

Addendum I

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

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

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

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

The following example illustrates the changes :-

September 2002

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NEIC 01 18:45:41.7±1.7,21.70S×179.55W,h600km,mb4.6/6,
Error ellipse: s-maj=75.5km s-min=25.7km az=151.0
IDC 01 18:45:46.3±2.6,21.76S×179.70W,h627km,37km,mb3.5/4,
mb1 3.7/4,mb1mx3.2/14,Error ellipse: s-maj=83.2km
s-min=20.6km az=159.0
ISC 01 18:45:41.7-1.4,22.1S;02-179.3W;02,h600km,n22,
c155/24,mb4.4/9,1C, South of Fiji Islands
Code Station Name Δ° AZ° Phase ID ISC Time Res
h m s ISC
HBZ Hicks Bay 15.60 187 eP Op 18 48 53.1 -2.1
URZ Urewera 16.41 190 P P 18 49 01.5 -1.1
MRZ Mangatoinoka R 19.02 192 eP P 18 49 26.7 +0.3
DIW D'Urville Isla 19.52 195 eP P 18 49 27.3 -3.6
CAW Cannon Point 19.55 193 eP P 18 49 31.7 +0.5
OTW Orongorongo Tu 19.73 193 eP P 18 49 33.0 +0.2
MCW Moikau 19.82 192 eP P 18 49 35.5 +1.9
THZ Tophouse 20.68 197 eP P 18 49 42.0 +0.5
KHZ Kahutara 21.14 195 P P 18 49 46.2 +0.8
ARMA Armidale 27.28 246 eP P 18 50 42.4 +2.3
4.9nm,0.5s
CTA Charters Tower 32.13 267 P P 18 51 22.3 +0.5
13nm,0.5s
STKA Stephens Creek 36.00 246 eP P 18 51 55.3 +1.5
3.1nm,0.4s
ASAR Alice Springs 42.97 259 P P 18 52 50.1 +0.4
9.8nm,0.5s,baz=92,slow=8.2,SNR=47
ASAR 1.0nm,0.8s,baz=95,slow=15,SNR=5.7
ASPA Alice Springs 42.97 259 eP P 18 52 50.1 +0.4
WRA Warramunga Arr 43.18 264 P P 18 52 51.0 -0.4
1.8nm,0.3s,baz=96,slow=7.8,SNR=93
WRA 0.3nm,0.9s,baz=99,slow=14,SNR=3.0
KAKA Kakadu 46.79 273 eP P 18 53 18.2 -0.7
14nm,0.4s
FITZ Fitzroy Crossi 51.61 264 eP P 18 53 54.3 +0.1
12nm,0.3s
MBWA Marble Bar 56.31 259 eP P 18 54 27.1 -0.1
11nm,0.6s
CMAR Chiang Mai Arr 89.48 290 P P 18 57 38.1 +1.7
1.3nm,0.8s,baz=135,slow=3.1,SNR=8.1
ARCES ARCESS Array B 130.23 349 PKKP PKIKP 19 03 43.7 -1.2
0.7nm,0.6s,baz=282,slow=4.2,SNR=3.5
FINES FINES Array B 136.91 342 PKKP PKIKP 19 03 57.3 -1.3
3.7nm,1.1s,baz=158,slow=3.2,SNR=5.4
MLR Muntele Rosu 148.83 325 PKKPbc PKIKP 19 04 22.7 -1.0
0.2nm,0.7s,baz=1.2,slow=23,SNR=2.3

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Epicentral Estimates

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

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

Error Ellipses - The keywords have been shortened.

Observational Data

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

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

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

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

Station magnitude estimate - computed by the ISC.

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

Addendum II

From data-month January 2006 the ISC hypocentres are computed using the AK135 earth velocity model (Kennett, B.L.N. Engdahl, E.R. & Buland R., 1995. Constraints on seismic velocities in the Earth from travel times, Geophys J Int, 122, 108-124; B.L.N. Kennett, 2005. Seismological tables: ak135. Research School of Earth Sciences, the Australian National University, Canberra) and then reviewed by the ISC seismologists. The ISC still produces the hypocentre solutions based on Jeffreys-Bullen travel time tables (agency code ISCJB), yet these solutions are no longer reviewed.

The ISC is planning to re-compute the entire ISC dataset using AK135 once new location procedures are designed, tested, discussed and approved by the ISC Governing Council. Until that time the automatic ISCJB locations will continue to be produced alongside the AK135 solutions to observe the long-time continuity of the ISC Bulletin.

Addendum III

From data month January 2009 the ISC hypocentres are computed using the new ISC location algorithm and all reported IASPEI seismic phases, for which ak135 predictions are available. This algorithm is described in: Bondár, I. and D.A. Storchak (2011), Improved location procedures at the International Seismological Centre, Geophys. J. Int., 186, 1220-1244, doi:10.1111/j.1365-246X.2011.05107.x

The alternative locations based on JB-tables are still produced with the original location algorithm for consistency with the past data. It is still the plan that by the middle of calendar year 2014 all ISC locations (1960-2008) are going to be re-computed with the new locatin algorithm and ak135 as part of the ISC Bulletin Re-Build project, sponsored by the US NSF and several agencies from Japan, China and India.

UCR 01 00:05:00.4±1.0, 8.89N, 84.07W, h0km, 5km, MW4.4
CATAC 01 00:05:00.9±0.5, 9.3N, 83.4W, h1km, M4.4/8, MLV4.4/8,
Error ellipse: s-maj=7.5km s-min=3.7km az=36.5,
confirmed

UPA 01 00:05:00.1±1.5, 8.81N, 84.17W, h5km, 6km, MW4.4
ISC 01 00:04:59.6±1.3, 8.84N, 0.04:84.17W, 0.04, h5km±10km,
n96, c094/115, 1D, Off coast of Costa Rica

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like OCHAL Ojochal, QUEP Quepos, SVQ2 Quepos, etc.

Table with columns: PNTR Pine Nut, PEAR Peavine Mountain, ELK Elko, WAKR Walker, etc. Includes station codes and coordinates.

TRN 01 00:14:25.8, 16.72N, 61.73W, h104km, MD4.2, South of Antigua, Felt in Guadeloupe, MMI IV, Leeward Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like ANBD Bethesda, ANWB Anwe, etc.

Table with columns: SVT Saint Vincent, SVT Saint Vincent, BBGH Gun Hill, etc. Includes station codes and coordinates.

SNET 01 00:22:30.2±1.1, 13.35N, 90.09W, h50km, 27km, ML2.9
CATAC 01 00:22:30.8±1.0, 13.36N, 90.09W, h29km, 5km, M3.1/6,
MLV3.1/6, Error ellipse: s-maj=13.8km s-min=5.1km
az=25.4, confirmed

ISC 01 00:22:32.0±1.7, 13.36N, 0.07:90.00W, 0.03, h31km±14km,
n44, c1919/54, Near coast of Guatemala

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like FAME Alcañal de Sa, NUBE Las Nubes, etc.

BGR 01 00:41:01.3, 20.85S, 175.71W, h201km, 1km
BUJ 01 00:41:20.0, 20.03S, 175.24W, h201km, mB5.0/14,
mb4.8/32

NOU 01 00:41:22.4, 20.20S, 175.57W, h206km, mb5.0/64, Tonga Islands

NEIC 01 00:41:22.3, 20.24S, 0.04:175.67W, 0.08,
h195km, 6km, mb4.8/312, Error ellipse: s-maj=12.3km
s-min=2.2km az=67.0

IDC 01 00:41:23.0, 20.6, 20.15S, 175.94W, h202km, 5km, mb4.2/23,
mtmp4.8/25, MS3.5/7, Error ellipse: s-maj=11.2km
s-min=10.4km az=134.0

GCMT 01 00:41:25.3, 0.2, 20.21S, 0.01:175.58W, 0.01,
h210km, 1km, MW5.2/140, Moment Tensor Solution.
s87, c113; s140, c196; Duration: 0 Moment tensor:
Scale 10^19Nm; Mr3.6±0.12; Mw-1.4±0.18; Mw-2.1±0.18;
Mw-2.5±0.11; Mw-1.4±0.15; Mw-5.5±0.11; Best double
couple: Mc6.96800x10^16 Np1.3±46.00000; δ15.00000,
λ109.00000. NP2.2±207.00000; δ75.00000; λ85.00000.

Principal axes: T 7.1850, Plg59.0000, Azm110.0000;
N -0.4350, Plg5.0000, Azm208.0000; P -6.7500,
Plg30.0000, Azm301.0000; nsta1 refers to body waves,
cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

Angular moment-rate function
ISC 01 00:41:22.4, 0.3, 20.35S, 0.04:175.69W, 0.04,
h204km, 2km, h204km, P-P, n844, c1962/788, mb4.8/213,
35C-30D, Tonga Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like LKBA Tubou, NIUE Niue, etc.

1d 0h

2019 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like DZM, DZM, DZM, etc., and various international stations like TAU Tasmania Unive, COEN Coen, etc.

2019 MAY

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Rows include K13K Kusilvak Mount, L15K Ungalak Mount, N19K Bonana Creek, M17K Holitna River, M16K Holitna River, L16K Ohwah River, SEW Seward, PGC Sidney, M18K Stony River, K15K Wolf Creek Mou, ZAIG Zacatecas, P23K Montague Isan, L17K Donlin, J14K Nanvaranlak, A04D Lummi Island, SPCR Spurr Chakacha, E07A Sunnyside, KLR Kul'dur, CN2 Changchun, HAWA Hanford, BNK BinXan, L18K Granite Mount, M19K Big River Lodg, WAH2 Wahluke Slope, RC01 Rabbit Creek A, PWL Port Wells, GAMB Gambell, L19K White Mountain, M20K Styx River, K17K Iditarod, SUA Susitna One, SUA Susitna One, V35K Ketchikan, GLI Glacier Island, EYAK Cordova Ski Ar, EYAK Cordova Ski Ar, J16K Anvik River, J16K Anvik River, U33K Whale Pass, SKT Skwentna, H03S2 Juan Fernandez, D08A Wollman Farm, H03S1 Juan Fernandez, H03S3 Juan Fernandez, M22K Willow, L20K Farewell AK, KNK Knik Glacier, KNK Knik Glacier, PMR Palmer, PMR Palmer, H03N2 Juan Fernandez, H03N3 Juan Fernandez, J17K VABM Dome, J17K VABM Dome, T1UT Trail Mountain, F10A Beach Ranch, S31K Pelican, DIV Divide, WRAPK Wrangell Isian, SML Sawmill, SML Sawmill, I17K Unalakleet, COYC Coyhaique, MESA MESA, WAX Waxell Ridge, BMRM Bremner River, BMRM Bremner River, J18K Innoko River, J18K Innoko River, M23K Glacier View, SRU San Rafael Swe, MNTX Cornudas Mount, CUT Chullina, SCM Sheep Creek Mo, KLU Klutina, CRQE Cirque, YAH Yaitse

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Rows include ANM Nome, PPLA Purkeypile, PPLA Purkeypile, LLLB Lilloet, PNL Peninsula, C09A Chrisman Ranch, K20K Telida, TX31 Lajillas Ar, TXAR Lajillas Array, PINM Pinnacle, P18A Preston Nutter, TCUT Toone Canyon, H16K Elim, N25K Chitina Valde, R32K Eaglecrest, M24K Tolson Glenn, J19K Poorman, P29M Windy Craggy, P29M Windy Craggy, CAST Castle Rocks, CAST Castle Rocks, G15K Niukuk, ANMO Albuquerque, ANMO Albuquerque, CTG China Glacier, ALPN Alpine, O28M Mount Upton, O28M Mount Upton, O28M Mount Kennedy, TNA Tin City, TNA Tin City, KTH Kantishna Hill, F14K Arctic Creek, TRF Thorofare Moun, H17K Gracie Mount, J20K Nowinta River, LLO2 Futaleufu, KULM Kulim, CHUM Lake Inchoy, T35M Bob Quinn, HARP HAARP, NEW Newport, GCSA Galena City Sc, G16K Koyuk River, RND Reindeer, SKAG Skagway, P30M Million Dollar, H18K Hotosa River, S34M Telegraph Cree, S34M Telegraph Cree, YUK8 Steele Glacier, HEH Heihe, HEH Heihe, BPAW Bear Paw Mtn, G17K Kwiakli Moun, M1CK McKinley, PAX Paxson, YUK6 Outpost Mounta, I20K Naaghdeneel, I20K Naaghdeneel, M26K Nabesna AK, M26K Nabesna AK, YUK3 Moose Creek, HYT Haines Juncto, RPSI Rantau Prapat, SAND Sanderson, PSI Prapat, YUK4 Talbot Arm, M27K Edge Creek, Q32M Nakina River, P32M Atlin, MENT Mentasta, MENT Mentasta, H19K Roundabout Mou, L26K Log Cabin Wild, L26K Log Cabin Wild, O30N Mendhall, O30N Mendhall, G18N Tagagawik, BVCY Beaver Creek

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Rows include LR05 Currie, ELIB Princess Elisa, ELIB Anolienega Mo, HNS HongShan, K24K Dease Lake, DLBC Dease Lake, NEA2 Nenana, N30M Aishikik Lake, WHY Whitehorse, WHY Whitehorse, RIDG Independent Ri, RIDG Independent Ri, F17K Baldwin Pennin, MLY Mlene, DOT Dot Lake, L27K Beaver Creek, L27K Beaver Creek, BCAR Beaver Creek A, BJI Beijing, BJI Beijing, LYN LuoYang, LYN LuoYang, HDA Harding Lake, HDA Harding Lake, G19K Purcell Mounta, G19K Purcell Mounta, PDAR Pinedale Array, PDAR Pinedale Array, GSI Gunungisitol, GSI Gunungisitol, GCB Clear Creek Bu, R33M Jennings River, R33M Jennings River, P33M Tesu Yukon, H21K Melozitna Rive, H21K Melozitna Rive, F18K Selawik, I23K Minto, Yukon-K, I23K Minto, Yukon-K, N31M Braeburn, Yuko, N31M Braeburn, Yuko, DRIO Del Rio, SCRK Sand Creek, COLA College, COLA College, COLA College, M29M Somme Creek, M29M Somme Creek, IL31 Eielson Array, ILAR Eielson Array, E17K Hotham Inlet, PLCA Paso Flores, PLCA Paso Flores, J25K Salcha River, TROLL Troll, POKR Poker Plat Res, POKR Poker Plat Res, H22K Ishlaltina Cre, F19K Shalercukik Mo, F19K Shalercukik Mo, SRIT Naksanitarama, K27K Chikena, K27K Chicken, SNAK Sanae, SNAK Sanae, SNAK Sanae, N32M Quiet Lake, VNA3 Neumayer Olymp, J26L Joseph Creek, J26L Joseph Creek, H23K Yuk River, M30M Minto, Yukon, G21K Allakaket, G21K Allakaket, E18K Tukpahleark C, E18K Tukpahleark C, NONG Nongkai, L29M L29M, D17K Noatak River, F20K Avarart Lake, F20K Avarart Lake, POST Post, H24K Noor Dome, M31M Drury Creek, Y

1d 0h

2019 MAY

Table with columns: VNA2, Neumayer-Watz, 88.61 176, P, 00 53 52.9 +1.0, etc. Lists various river stations and their data.

Table with columns: H31M, Peel River, 91.41 16, P, 00 54 05.5 +0.7, etc. Lists various river stations and their data.

Table with columns: EDMD, Edmundsbyers, 145.24 6, eP, PKPbc, 01 00 35.4 -0.2, etc. Lists various river stations and their data.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like Cesky Krumlov, GERE Array S, GERE Array B, WLF Walferdange, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like AZU Azuero, BCIP Isla Barro Colorado, TAMC Tame, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like CHMS Chumysh, SGDS Sogindy, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like RSNC 01 00:42:01.1, DBBC Dabeiba, MEDEC Medellin, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like CHKK Chushkaly, KTBS Karatobe, MTBS Maitube, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like CHKK Chushkaly, KTBS Karatobe, MTBS Maitube, etc.

2019 MAY

Table with columns: VWD, EHYH, EHYH, EHS, EHY, WCS, ECBN, NMLH, NMLH, YULB, JKRS, SSSLB, EYUL, SMLT, TWQ1, TWQ1, TWQ1, TYC, TYC, CHKH, CHKH, JIU, WHYT, FULB, FULB, CHKT, CHKT, WJS, WJS, WNT, WNT, JISG, JISG, EDH, EDH, EDH, EDH, WDK, WDK, WDLH, WDLH, WCKO, WCKO, LONT, LONT, STYH, STYH, LDUT, LDUT, CHN4, CHN4, TPUB, TPUB, TPUB, TPUB, WTP, WTP, TWGBT, TWGBT, TWGBT, TWG, TWG, CHY, CHY, JTJ, JTJ, TWK, TWK, THK, THK, SNST, SNST, WSF, WSF, SGST, SGST, ICHU, ICHU, ECL, ECL, SSS, SSS, MASBT, MASBT, SCZT, SCZT, VVUC, VVUC, PHUB, PHUB, PHUB, WDCIT, WDCIT, MATB, MATB, PTMZ, PTMZ, AXDP, AXDP, AXDP

Table with columns: KUA, RATU, RATU, RATU, RATU, RATU, SALU, SALU, SALU, SALU, KUVU, KUVU, KUVU, KUVU, SGF, SGF, HEF, HEF, HEF, HEF, HEF, HEF, RANF, RANF, BURU, BURU, BURU, BURU, OUL, OUL, OUL, OUL, OBF, OBF, OBF, OBF, KIF, KIF, KIF, KIF, KIF, KIF, KIF, KIF, KUF, KUF, OUF, OUF, KU2, KU2, MSF, MSF, MSF, MSF, FAUS, FAUS, FAUS, FAUS, MAU, MAU, JETT, JETT, JETT, JETT, STEI, STEI, STEI, STEI, VRF, VRF, ARAO, ARAO, ARAO, ARAO, ARCES, ARCES, ARCES, ARCES, TRO, TRO, KEV, KEV, KONS, KONS, STOK, STOK, STOK, STOK, HAMF, HAMF, FIAO, FIAO, FINES, FINES, FINES, FINES, NOA, NOA, NOA, NOA, HFS, HFS, HFS, HFS, SPA0, SPA0, SPA0, SPA0, TXNET, TXNET

Table with columns: TPB01, TPB01, MNHN, MNHN, PECS, PECS, TPB12, TPB12, ALPN, ALPN, ALPN, ALPN, ODSA, ODSA, NM01, NM01, TMB01, TMB01, CLNB, CLNB, VHRN, VHRN, VHRN, VHRN, SAND, SAND, MNTX, MNTX, TMB05, TMB05, TMB05, TMB05, TX31, TX31, TX31, TX31, OZNA, OZNA, OZNA, OZNA, SGCY, SGCY, SGCY, SGCY

1DC 01 02:18:52.6, 1.1, 5.33S; 153.01E, h0km, mb3.6/9, mbtmp3.710, ML1.8/1, Error ellipse: s-maj=41.4km

ISC 01 02:18:57.9, 1.1, 5.45S; 0.2, 153.0E, 0.2, h37km, n10, 1847/11, mb3.6/9, New Ireland region

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

WRA Warrunganga Arr 23.25 230 P 0.3nm, 0.5s, baz=54, slow=9.8, SNR=5.1

ASAR Alice Springs 25.90 223 P 0.4nm, 0.7s, baz=55, slow=9.5, SNR=1.9

PETK Petropavlovsk-58 39.3 P 1.3nm, 0.5s, baz=173, slow=8.5, SNR=6.0

VNDA Vanda 72.26 178 P 0.2nm, 0.4s, baz=343, slow=4.6, SNR=8.1

MKAR Makanchi Array 80.90 319 P 0.2nm, 0.5s, baz=117, slow=5.2, SNR=2.4

ZALV Zalesovo Beam 81.75 326 P 0.5nm, 0.6s, baz=108, slow=4.7, SNR=1.7

ILAR Eielson Array 82.59 22 P 0.5nm, 0.8s, baz=238, slow=5.2, SNR=4.1

KURBB Kurchatov Arra 84.39 322 P 0.4nm, 0.7s, baz=96, slow=5.7, SNR=2.1

BVAR Borovoye Array 89.83 323 P 0.6nm, 0.6s, baz=101, slow=7.5, SNR=3.7

1DC 01 02:26:45.7, 1.5, 3.75S; 144.63E, h0km, mb3.5/4, mbtmp3.5/5, ML2.6/1, MS2.6/2, Error ellipse: s-maj=32.9km

JMA 01 02:26:50.6, 0.2, 3.78N; 1.0, 14.4E, h28km, MV3.4/31, FAR E OFF NORTH HONSHU

ISC 01 02:26:51.1, 1.3, 3.769N; 0.07, 144.46E, 0.09, h35km, n21, e1913/27, mb3.5/4, Off east coast of Honshu

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

JIKH Ishinomakikobu 2.45 286 Op 0.2m, 0.5s

JIO Ouri 2.58 288 eP 0.2m, 0.5s

OFUJ Ofunato 2.60 303 eP 0.2m, 0.5s

JKMT Kesennumamotoy 2.61 296 eS 0.2m, 0.5s

JMK Ichinosaki 2.85 297 eP 0.2m, 0.5s

JJO Okura 3.08 284 eS 0.2m, 0.5s

JOM OKAMA OYAMA 3.28 289 eS 0.2m, 0.5s

JRG Rokugo 3.45 301 eS 0.2m, 0.5s

JYK Kaneyama 3.46 292 P 0.2m, 0.5s

JANG Nango 3.53 320 P 0.2m, 0.5s

JAH Hinai 3.89 311 eP 0.2m, 0.5s

JTM Tenmabayashi 4.07 321 eP 0.2m, 0.5s

JRY Ryogami san 4.76 251 eP 0.2m, 0.5s

MJARS Matsushiro Arr 5.13 259 P 0.2nm, 0.3s, baz=67, slow=12, SNR=5.1

PETK Petropavlovsk- 17.95 27 LR 0.2m, 0.5s, baz=113, slow=39

SHEM Shemya Is, Ala 25.49 44 LR 0.2m, 0.5s, baz=124, slow=33

MKAR Makanchi Array 45.83 302 P 0.2nm, 0.5s, baz=62, slow=6.7, SNR=2.9

KURBB Kurchatov Arra 47.52 308 P 0.3nm, 0.5s, baz=90, slow=9.7, SNR=1.8

ILAR Eielson Array 47.64 33 P 0.3nm, 0.8s, baz=263, slow=6.2, SNR=2.5

WRA Warrunganga Arr 58.11 191 P 1.5nm, 0.8s, baz=8.4, slow=7.2, SNR=8.3

ATH 01 02:33:29.5, 3.7, 63N; 20.67E, h12km, 2km, ML3.4/16, Manual Location by A. Moschou First location: 2019/05/01

02:34:23, This location: 2019/05/03 07:44:32 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 3 km;

Longitude uncertainty: 2 km

ISC 01 02:33:30.1, 1.1, 3.769N; 0.04, 20.66E, s-maj=111.4km

s-min=32.2km az=25.0

ISC 01 02:33:30.1, 1.1, 3.769N; 0.04, 20.66E, s-maj=111.4km

n74, e1942/97, mb3.4/6, Ionian Sea

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

LTHK Lithakia 0.15 83 P 0.2m, 0.5s

LTHK Lithakia 0.15 83 P 0.2m, 0.5s

ORTH Orthonisi, Zaky 0.16 12 P 0.2m, 0.5s

KYPS Kypris, Zakini 0.18 46 P 0.2m, 0.5s

PSDA Pissada-Kefalo 0.43 353 P 0.2m, 0.5s

CLEME Cleme 0.43 62 P 0.2m, 0.5s

VLS Valsamata 0.49 354 P 0.2m, 0.5s

VLS Valsamata 0.49 354 P 0.2m, 0.5s

LCHA Lechaina 0.54 63 P 0.2m, 0.5s

LCHA Lechaina 0.54 63 P 0.2m, 0.5s

DMLN Doulouliana-K 0.59 338 P 0.2m, 0.5s

DMLN Doulouliana-K 0.59 338 P 0.2m, 0.5s

YRMI Yrmiou Irmisni 0.69 53 P 0.2m, 0.5s

YRMI Yrmiou Irmisni 0.69 53 P 0.2m, 0.5s

RLS Rioliou of Patr 0.74 60 P 0.2m, 0.5s

RLS Rioliou of Patr 0.74 60 P 0.2m, 0.5s

Table with columns: AXS, Araxos, 0.76 48 P, P, 02 33 44.2 -0.9, ANBD, 02 36 32.1 -2.2, comp=E, 0.2nm, 0.6s, baz=46, slow=6.2, SNR=2.1

Table with columns: ANBD, Wally Bob, 6.83 333, S, Pn, 02 36 32.1 -2.2, comp=E, 0.2nm, 0.6s, baz=46, slow=6.2, SNR=2.1

Table with columns: GERESE, Arraxos, 74.83 9 P, P, 03 12 17.7 +1.0, comp=E, 0.1nm, 0.4s, baz=302, slow=5.6, SNR=3.6

1d 4h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like COLA College, F24K Squaw Lake, PAX Paxson, etc.

AUST 01 03:09:29.0±0.4, 33°S±12.0E±1.0, h10km, mb4.0/3, ML3.1/7, Error ellipse: s-maj=8.9km s-min=5.0km az=162.4, Western Australia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NWA0 Narragin (SRO), KLBRR Kellerberrin, etc.

IDC 01 03:17:54.8±1.3, 23°65'N, 121°66'E, h0km, mb3.7/8, mbtm3.8/9, ML4.0/1, MS2.9/3, Error ellipse: s-maj=39.8km s-min=25.6km az=47.7

JMA 01 03:17:57.3±0.1, 23°7N.0, 121°2'E±1.1, h0km, MV3.6/16, TAIWAN REGION

NEIC 01 03:17:58.0±1.4, 23°79'N.0, 121°45'E±0.2, h13km, 3km, mb4.3/11, Mw3.7/21, Error ellipse: s-maj=3.7km s-min=1.2km az=120.0, Moment Tensor Solution.

Moment tensor: Scale 1.01Nm; Mw=3.89; Mww=2.19; Mww=1.70; Mww=1.8; Mww=3.06; Mw=2.16; Fault plane solution: Ms=0.50000x10^14 NP1=0.701000; lambda1=790000; lambda2=240000; NP2=0.20505000; delta1=960000; delta2=960000; Principal axes: T 4.8549, Plg64.0000, Az64.0000; N 0.3620, Plg24.0000, Azm221.0000; P 5.2169, Plg9.0000, Azm315.0000;

TAP 01 03:17:58.7, 23°79'N.121°43'E, h19km, ML4.2, B, ASIES 01 03:17:58.7, 23°79'N.121°43'E, h19km, ML4.2, Mw3.7

Moment Tensor Solution. Moment tensor: Scale 10^11Nm; Mw=3.89; Mww=2.19; Mww=1.70; Mww=1.8; Mww=3.06; Mw=2.16; Fault plane solution: Ms=0.50000x10^14 NP1=0.701000; lambda1=790000; lambda2=240000; NP2=0.20505000; delta1=960000; delta2=960000; Principal axes: T 4.8549, Plg64.0000, Az64.0000; N 0.3620, Plg24.0000, Azm221.0000; P 5.2169, Plg9.0000, Azm315.0000;

ISC 01 03:17:58.3±0.7, 23°79'N.0, 121°44'E±0.1, h17km, 4km, n204, 0978/305, mb4.0/15, 26C-17D, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ESL Shilin, WARBT Fenglin Townsh, SHUL Shoufeng, etc.

2019 MAY

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWB1 Santiao Chiao, NWF Wu-fen Shan, WFSF Wu-fen Shan, etc.

IDC 01 04:04:05.7±4.2, 47°8'N, 152°39'E, h134km, 36km, mb3.2/11, mbtm3.6/12, Error ellipse: s-maj=29.3km s-min=25.4km az=175.0

ISC 01 04:04:03.8±1.1, 47°8'N.0, 152°3E±0.2, h117km, n20, 0576/14, mb3.5/11, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PETK Petropavlovsk, SEY Seymchan, H1N2 WAKE ISLAND Hy 30.38 152 T, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, BVAR Borovoye Array, FINES FINESS Array B, NB2 NORSAR Subarra, NOA NORSAR Array B, HFS Hagfors, WRA Warrungunga Arr, AKASG Malin Array Be, EKA Eskdalir Arr, TXAR Lajlitas Array.

NEIC 01 04:37:58.2,2.3, 19.924N,0.010:155.55W,0.01, h10km,2km, Error ellipse: s-maj=3.0km s-min=2.4km az=290.0

HVO 01 04:37:58.5,2.2, 19.96N,0.011:155.61W,0.02, h13km,4km, ML2.7/36(NEIC), Error ellipse: s-maj=2.7km s-min=1.6km az=89.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HPAH Hawaii Prepara, POHA Pohakuloa, HUH Hualalai, MHA Mahukona, ALEP Alea Permanent, MLOA Mauna Loa Obse, MWH Mokuaweoweo, MLH Mauna Loa, CPH Captain Cook, RSD Rainshed, UWE Uwekahuna, UWB Uwekahuna Blf, SBLHI Steaming Bluff, OBL Observatory Le, WRHHI West Rim, SDHHI Sand Hill, KKO Keanakakoi, PUH Puu, KNNH Kane Nui o Ham, KHU Kahuku, KHU Kahuku, HLP Hilina Pali, STCH Steam Cracks, NPOC North of Puu, JOKA Jonika Flow, JOKA Jonika Flow.

IDC 01 04:44:33.2,1.5, 3.43N, 125.84E, h0km, mb3.8/6, mbmp3.9/6, Error ellipse: s-maj=104.6km s-min=20.1km az=68.0

NEIC 01 04:44:36.3,1.2, 4.1N,0.1:125.7E,0.1, h77km,6km, mb4.4/21, Error ellipse: s-maj=25.4km s-min=11.2km az=61.0

DJA 01 04:44:52.8,1.0, 3.1N,7.1:12.6E, h94km,18km, M4.4/6, mb5.5/2, mb4.8/2, MLV4.2/6, Mw(MB)5.0/2

ISC 01 04:44:49.8,1.1, 2.3N,0.1:125.9E,0.2, h100km, n34, r177/20, mb4.2/15, Talaud Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SGSI Sangihe, TNTI Ternate, SANI Sanana, NLAI Namlea, MTN Mantion Dam, KNRA Kunurra, FITZ Fitzroy Crossi, WB0 Warrungunga Arr, WRAB Tennant Creek, WRA Warrungunga Arr, WR8 Warrungunga Arr, ASAR Alice Springs.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MORW Morawa, BBOO Buckleboe, STKA Stephens Creek, ARMA Armidale, USAOB Ussuriysk Arra, MKAR Makanchi Arra, MA2 Magadan, KURBB Kurchatov Arra, BKZ Black Stump Fm, KK31 Karatay Array, AB31 Akbulak array, ABKAR Akbulak array, S12K Black Hills.

IDC 01 04:46:58.5,0.9, 1.68S, 122.78E, h0km, mb3.7/9, mbmp3.8/10, ML4.4/1, Error ellipse: s-maj=39.7km s-min=17.2km az=63.0

NEIC 01 04:47:03.6,0.2, 1.81S, 0.0:122.7E,0.1, h35km,2km, mb4.6/15, Error ellipse: s-maj=21.0km s-min=10.0km az=281.0

DJA 01 04:47:03.6,0.2, 2.2S,2.1:12.2E, h10km, M4.4/14, mb4.5/2, MLV4.3/14

ISC 01 04:47:03.2,0.6, 1.81S, 0.0:122.7E,0.08, h35km, n41, r0594/40, mb4.3/18, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LUWI Luwuk, APSI Ampana, KMSI Cibinong, PCSI Palu, TOLIZ Tolitoli, SPSI Sidrap Palu, BNSI Bone, KAPI Kappang, KAPU Kappang, NLAJ Bau Bau, BSSI Bau Bau, TNTI Ternate, EDFI Ende, WRA Warrungunga Arr, WRB Warrungunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, BBOO Buckleboe, CAN Canberra, USRK Ussuriysk Arr, USAOB Ussuriysk Arra, INZ Inchbonnie, MKAR Makanchi Arra, MKAR Makanchi Arra, MKAR Garm, ZALV Zalesovo Ben, KURBB Kurchatov Arra, BVAR Borovoye Array, Vnda Vanda, M14K Bethel, K15K Wolf Creek Mou, G18K Tagagarak, J18K Innoko River, H19K Roundabout Mou, L19K White Mountain, QSPA South Pole Qui, ZALV Zalesovo Ben, KURBB Kurchatov Arra, BVAR Borovoye Array, KURK Kurchatov, KK31 Karatay Array, KKAR Karatay Array, BVAR Borovoye Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DAV Davao City (W), DAV Davao City (W), FAKI Fak Fak, LUWI Luwuk, TOLIZ Tolitoli, TOLIZ Tolitoli, MPSI Mapaga, BBSI Bau Bau, MYLDM Lahad Datu, BNSI Bone, SPSI Sidrap Palu, KAPI Kappang, BSSI Bau Bau, JAY Jayapura, MTN Mantion Dam, SBUM Sibuluan, KNRA Kunurra, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, PMG Port Moresby, DLV Lat, WBO Warrungunga Arr, TPUB Ta-pu, WRAB Tennant Creek, WRA Warrungunga Arr, WRB Warrungunga Arr, YHNB Yeheng, MYKOM Kota Tinggi, ASAR Alice Springs, ASAR Alice Springs, UBPT Ubung, CMAR Chiang Mai Arr, CHTO Chiang Mai, KSRB Korea Arra, PZH Panzhihua, PZH Panzhihua, MJAR Matsushiro Arr, MJAR Matsushiro Arr, STKA Stephens Creek, XAN Xi'an, LZH Lanzhou, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, HHC Hu-ho-hao-te, H11N1 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, USRK Ussuriysk Arr, SHL Shillong, GTA Gaotai, EVN Everest, ULN Ulaanbaatar, SONM Songino Array, MSVF Nonsau, PETK Petropavlovsk, YAK Yakutsk, MKAR Makanchi Arra, MAKZ Makanchi, ZALV Zalesovo Ben, KURBB Kurchatov Arra, KURK Kurchatov, KK31 Karatay Array, KKAR Karatay Array, BVAR Borovoye Array.

IDC 01 04:46:58.5,0.9, 1.68S, 122.78E, h0km, mb3.7/9, mbmp3.8/10, ML4.4/1, Error ellipse: s-maj=39.7km s-min=17.2km az=63.0

NEIC 01 04:47:03.6,0.2, 1.81S, 0.0:122.7E,0.1, h35km,2km, mb4.6/15, Error ellipse: s-maj=21.0km s-min=10.0km az=281.0

DJA 01 04:47:03.6,0.2, 2.2S,2.1:12.2E, h10km, M4.4/14, mb4.5/2, MLV4.3/14

ISC 01 04:47:03.2,0.6, 1.81S, 0.0:122.7E,0.08, h35km, n41, r0594/40, mb4.3/18, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LUWI Luwuk, APSI Ampana, KMSI Cibinong, PCSI Palu, TOLIZ Tolitoli, SPSI Sidrap Palu, BNSI Bone, KAPI Kappang, KAPU Kappang, NLAJ Bau Bau, BSSI Bau Bau, TNTI Ternate, EDFI Ende, WRA Warrungunga Arr, WRB Warrungunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, BBOO Buckleboe, CAN Canberra, USRK Ussuriysk Arr, USAOB Ussuriysk Arra, INZ Inchbonnie, MKAR Makanchi Arra, MKAR Makanchi Arra, MKAR Garm, ZALV Zalesovo Ben, KURBB Kurchatov Arra, BVAR Borovoye Array, Vnda Vanda, M14K Bethel, K15K Wolf Creek Mou, G18K Tagagarak, J18K Innoko River, H19K Roundabout Mou, L19K White Mountain, QSPA South Pole Qui, ZALV Zalesovo Ben, KURBB Kurchatov Arra, BVAR Borovoye Array, KURK Kurchatov, KK31 Karatay Array, KKAR Karatay Array, BVAR Borovoye Array.

1d 6h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters.

IDC 01 05:17:29.2-0.7, 31.26S;67.63W, h103km, 7km, mb3.6/3, mbmp3.7/7, Error ellipse: s-maj=27.5km s-min=16.3km az=121.0

SJA 01 05:17:29.9-0.7, 31.33S;67.57W, h102km, 2km, ML3.6, MW3.6

ISC 01 05:17:29.3-0.7, 31.34S;073.6757W, h106km, 6km, n70, az=03/107, mb3.9/3, San Juan Province

Main table of station data for the first column, including call signs like CFA, RFL, ACHE, SJA, ZON, APN, DCCA, DCCA, ACCO, RTLS, RFLS, ACDF, ARCO, MRA, ACLC, AGUA, AROD, AROD, AAGR, AVIZ, TCA, TCA, CO01, VCA, CO03, VA03, CO02, MT08, MT04, G004, MT10, PEL, CUYA, MT03, LMEL, ROC1, MT05, AC05, CO05, LCO, MT02, VA01, MT01, and MT01.

2019 MAY

Table of station data for the second column, including call signs like BO01, AC04, BO02, G003, AC02, FSA, PLCA, CPUP, CPUP, LPAZ, SIV, SVA, TXAR, DBIC, WRA, KURB, ZALV, MKAR, SHLS, SHLS, PDGK, PDGK, UZB, UZB, ZHN, ZHN, ZHN, ZHN, KNOS, KNOS, BLB, MDOK, TNS5, TNS5, CHKK, CHKK, KTBS, KTBS, MTBS, MK31, MK31, MAKZ, MAKZ, KUU, KUU, KUU, KUU, KST, KST, KST, KST, RSN, BARC, BRJC, BRJC, PAMC, PAMC, RUSC, RUSC, PTBC, PTBC, TAMC, TAMC, OCAC, OCAC, ZARC, ZARC, ZARC, ZARC, CHIC, CHIC, ROSC, ROSC, and CVER.

SOME 01 05:20:03.2, 42.15N-83.13E, h15km NNC 01 05:20:09.0, 2.5, 41.97N;82.63E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=20.8km s-min=12.9km az=170.0

ISC 01 05:21:11.8, 2.7, 42.22N;0.1, 82.55E, 0.09, h10km, n20, az=216/27, 3C-2D, Northern Xinjiang

Main table of station data for the second column, including call signs like SHLS, SHLS, PDGK, PDGK, UZB, UZB, ZHN, ZHN, ZHN, ZHN, KNOS, KNOS, BLB, MDOK, TNS5, TNS5, CHKK, CHKK, KTBS, KTBS, MTBS, MK31, MK31, MAKZ, MAKZ, KUU, KUU, KUU, KUU, KST, KST, KST, KST, RSN, BARC, BRJC, BRJC, PAMC, PAMC, RUSC, RUSC, PTBC, PTBC, TAMC, TAMC, OCAC, OCAC, ZARC, ZARC, ZARC, ZARC, CHIC, CHIC, ROSC, ROSC, and CVER.

RSNC 01 05:21:31.0, 0.7, N, 1.7, 73W, h151km, 2km, M2.6, mb3.5, ML2.4, Northern Colombia

Main table of station data for the second column, including call signs like BARC, BRJC, PAMC, RUSC, PTBC, TAMC, OCAC, ZARC, ZARC, ZARC, CHIC, ROSC, and CVER.

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Table of station data for the third column, including call signs like CVER, UREC, GUY2C, PTGC, CBOC, DBBC, ARGC, ANIL, ANIL, SDV, PRAC, PRAC, APAC, APAC, KDU, URMC, CRUC, CRUC, PTVC, GUVV, GUVV, MACC, MACC, POPC, FLOC, BNDI, BNDI, MSAI, FAKI, KMPI, SWI, DRS, MTN, BAKI, EDFI, FITZ, FITZ, WRA, WRA, COEN, COEN, ASAR, ASAR, AS01, AS01, WRKA, WRKA, OOD, MEK, INKA, INKA, LCRK, BBOO, KLBR, STKA, STKA, MKAR, MKAR, MKAR, VANDA, VANDA, GSPA, GSPA, and TXNET.

DJA 01 05:35:11.9, 0.4, 6, S, 5, 13, 0E, h159km, 12km, M4.5/8, mB4.9/3, mb4.3/6, MLV4.6/8, MW(m)E, h154km, 50km, mb3.4/4, mbmp4.1/7, Error ellipse: s-maj=71.3km s-min=28.4km az=63.0

ISC 01 05:35:12.1, 0.7, 6, 13S;0.07, 129.97E, 0.09, h146km, m33, az=194/33, mb3.6/5, Banda Sea

Main table of station data for the third column, including call signs like BNDI, MSAI, FAKI, KMPI, SWI, DRS, MTN, BAKI, EDFI, FITZ, FITZ, WRA, WRA, COEN, COEN, ASAR, ASAR, AS01, AS01, WRKA, WRKA, OOD, MEK, INKA, INKA, LCRK, BBOO, KLBR, STKA, STKA, MKAR, MKAR, MKAR, VANDA, VANDA, GSPA, GSPA, and TXNET.

TXNET 01 05:39:08.4, 31.2N;0.8, 103.3W;0.6, h4km, 1km, ML1.6/6, 1C, Error ellipse: s-maj=1.3km s-min=0.8km az=172.6, final, Western Texas

Main table of station data for the third column, including call signs like TPB04, TPB04, TPB03, TPB03, PCOS, TPB05, TPB05, TPB10, TPB10, MNHN, MNHN, TPB01, TPB12, ALPN, ALPN, TMB02, HTMS, VHRN, TMB04, TMB04, SAND, SAND, MINTX, MINTX, OZNA, OZNA, TX31, TX31, SGCV, SGCV, BEO, IDC, SIGU, BUC, CFUSG, PRU, and ISC.

13 2019 MAY 1d 8h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include UAGRB Rancho Ultima, SLBS Sierra La Lagu, CDOB Cd. Obregon, and various IDs for San Juan Province and other stations like Leoncito, Reserva Natura, Zonda, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include ACLC comp=Z,90nm,0.8s, BO01 Tunca, BO01 BO01, MRSA comp=Z,112nm,0.5s, BO02 Sierra Bellavi, AC04 Llanos de Chal, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include CGC 01 07:23:48.2,3.4, MEX 01 07:23:49.0,9, IS 01 07:23:42.5,1, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include LUWI Luwuk, AAK Ala-Archa, AAK bazz=339,slow=171, AAK 0.5nm,0.3s, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Rows include LOAL Lomas de Alarc, LOAL Lomas de Alarc, LOAL Lomas de Alarc, SLOZ Alcadia de Sa, SLOZ Alcadia de Sa, etc.

2019 MAY

Table with columns: HD, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC. Includes stations like Hagfors, NORSTAR Subarray B, NOA, NOA, EKA, ESCD, TORD, ILAR, YKA, ASAR.

NOU 01 08:13:33.2, 43.48S, 172.95E, h12km, MLv3.9/11, South Island, New Zealand
WEL 01 08:13:34.3, 0.5, 43.3, 2.2, 17.3E, h8km, 4km, M3.6/12, ML3.8/12, MLv3.6/12, Error ellipse: s-maj=3.7km s-min=2.6km az=72.4, confirmed

ISC 01 08:13:33.6, 0.8, 43.45S, 0.02, 172.89E, 0.03, h9km, 5km, n68, c088/86, South Island

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC. Lists numerous stations across the Pacific region.

GCG 01 08:21:54.0, 0.3, 13.03N, 90.57W, h2km, 21km, MD3.9
CATAC 01 08:21:56.9, 2.1, 13.1N, 89.9W, h26km, 28km, M2.7/13, MLv2.7/13, Error ellipse: s-maj=19.3km s-min=13.1km az=80.4, confirmed, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC. Lists stations for the GCG and CATAC events.

GCG 01 08:32:09.1, 0.9, 16.46N, 93.97W, h127km, 20km, MD3.8
MEX 01 08:32:10.2, 1.3, 16.72N, 94.01W, h139km, 13km, MD4.0

ISC 01 08:32:08.5, 1.6, 16.87N, 0.07, 94.04W, 0.04, h138km, 12km, n21, c154/40, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC. Lists stations for the ISC event in Oaxaca.

IDC 01 08:52:26.4, 0.7, 17.71S, 173.79W, h0km, mb4.2/9, mbmp4.2/9, MS3.6/27, Error ellipse: s-maj=32.4km s-min=19.4km az=125

NEIC 01 08:52:29.5, 0.7, 17.71S, 173.3W, 0.1, h35km, 2km, mb4.6/13, Error ellipse: s-maj=20.9km s-min=4.4km az=64.0

ISC 01 08:52:31.4, 0.6, 17.8S, 0.1x173.7W, 0.2, h35km, n77, c082/48, mb4.3/15, MS3.8/25, Tonga Islands

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC. Lists numerous stations across the Pacific region.

ISC 01 08:55:41.6, 1.6, 53.08N, 0.08, 166.75W, 0.04, h31km, 11km, n138, c195/94, mb3.6/13, MS3.4/40, Fox Islands

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC. Lists numerous stations across the Pacific region.

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC. Lists numerous stations across the Pacific region.

IDC 01 08:55:36.5, 0.9, 52.95N, 166.89W, h0km, mb3.6/12, mbmp3.6/13, ML3.0/1, MS3.4/42, Error ellipse: s-maj=28.4km s-min=16.1km az=170.0

AEIC 01 08:55:41.6, 2.7, 53.11N, 0.06, 166.76W, 0.05, h26km, 7km, AKM1, Error ellipse: s-maj=8.3km s-min=3.9km az=173.0

NEIC 01 08:55:43.2, 2.7, 53.15N, 0.07, 166.81W, 0.07, h40km, 5km, mb3.9/27, ML4.2/18, ML3.9(AEIC), Error ellipse: s-maj=11.4km s-min=4.9km az=156.0

ISC 01 08:55:41.6, 1.6, 53.08N, 0.08, 166.75W, 0.04, h31km, 11km, n138, c195/94, mb3.6/13, MS3.4/40, Fox Islands

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC. Lists numerous stations across the Pacific region.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, Time, Res, ISC. Includes stations like Kusilvak Mount, Kokiuk Hills, Kodiak Island, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, Time, Res, ISC. Includes stations like Malin Array Be, Hagfors, EKA, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, Time, Res, ISC. Includes stations like Malin Array Be, Hagfors, EKA, etc.

2019 MAY

1d 10h

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like KSRS Korea Array, FRB Froebisher Bay, YKA Yellowknife Ar.

IDC 01 10:15:05.8-1.3, 52.679N, h10km, mb3.6/3, mbmp3.5/5, ML2.9/2, Error ellipse: s-maj=44.8km, s-min=24.3km az=162.0

NEIC 01 10:15:07.8-2.1, 52.566N, 0.08:169.4W, 0.1, h11km, gkm, mb3.8/19, ML3.8/14, ML3.5(AEIC), Error ellipse: s-maj=13.9km s-min=6.0km az=139.0

ISC 01 10:15:11.1, 0.9, 52.72N, 0.1:169.34W, 0.08, h40km, n66, 1864/57, mb3.9/5, Fox Islands

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like NIKH Nikolski High, LVA Lava Point, AKUT Akutan, etc.

ATH 01 10:16:57.7, 37.59N, 20.58E, h12km, 1km, ML3.7/25, Manual Solution by G.Panopoulou First location: 2019/05/01 10:17:52, This location: 2020/10/08 14:26:20

PDG 01 10:17:00.8, 0.6, 37.69N, 20.63E, h10km, 1km, ML3.7/10, Error ellipse: s-maj=1.3km s-min=1.1km az=90.0

ISC 01 10:16:59.4, 0.9, 37.66N, 0.03:20.66E, 0.03, h14km, 5km, n100, 1816/137, mb3.7/10, MS3.2/5, Ionian Sea

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like LTHK Lithakia, ORTH Orthonies, KYPS Kipseli, etc.

Table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like AKASG Garm, GNI Garm, ESDC Garm, etc.

IDC 01 10:44:27.9, 0.7, 36.89N, 71.34E, h97km, 4km, mb3.7/19, mbmp4.1/22, MS2.9/10, Error ellipse: s-maj=15.6km

BUI 01 10:44:28.9, 37.43N, 71.08E, h117km, mb4.4/7, mb4.5/27, MOS 01 10:44:28.2, 0.1, 37.09N, 71.30E, h106km, mb4.1/14, Error ellipse: s-maj=7.9km s-min=4.1km az=76.9

NNC 01 10:44:29.1, 5, 37.21N, 71.09E, h124km, 16km, mb4.1, mpv4.7, Error ellipse: s-maj=14.5km s-min=8.7km az=30.0

NEIC 01 10:44:29.2, 0.9, 37.11N, 0.05:71.18E, 0.08, h92km, 4km, mb4.4/23, Error ellipse: s-maj=9.6km s-min=6.9km az=123.0

ISC 01 10:44:28.3, 0.4, 37.02N, 0.04:71.31E, 0.04, h100km, n342, 1872/358, mb4.3/41, 12C-5D, Afghanistan-Tajikistan border region

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like GAR Garm, SIMJ Simiganj, DRK Karamyk, etc.

17

2019 MAY

15 2d 10h

Table with columns for station ID, name, time, and status. Includes stations like Simla, Kotrys, Przewalsk, Karatobe, Kalpa, Chushkaly, Uzunbulak, Arharly, Dehra Dun, Shaikode, Podgornoye, Baldybastay, Joshimath, NPLP, Pithoragarh, Lohaghat, Ajmer, Ortayu, Makanchi, Kurchatov, Bhopal, Allahabad, Akbulak, Borovoye, Aktyubinsk, Zalesovo, Shillong, Gani, Sverdlouk, and Naichik.

Table with columns for station ID, name, time, and status. Includes stations like Gaotai, Khabaz, Belgomoye, Shidzhatmaz, Kislodovsk, Lanzhou, PanZhiHua, Songino Array, Ulanbat, Jabal al Asfar, Keskin Array, Obninsk, Chiang Mai, HHC, Malin Array, Noril'sk, HFS, Colim, NORSAR, NOA, KLR, Tiksi, EKA, MJAR, ESDC, TORD, C16K, B18K, A22K, B20K, C18K, D17K, GAMB, B22K, B21K, D19K, E17K, E18K, D20K, C21K, F15K, C23K, and C23K.

Table with columns for station ID, name, time, and status. Includes stations like Nigu River, Baldwin Pennin, Aiykakh River, Killik River, Redstone River, Selawik, Franklin Bluff, Kouyuk River, Nanushuk River, Naroshuk River, Shalercukio, Happy Valley, Camden Bay, Kivalik Mouna, Avarart Lake, Anaktuvuk Pass, Elim, Toolik Lake, Kavik River, Tagaewik, Jago River, Purcell Mouna, Sachs Harbour, Alatina River, John River, Granite Mouna, Chandalar, Your Creek, Hovung River, Allakakt, Roundabout Mou, Coldfoot, Arctic Village, Squaw Lake, Stokes Point, Anoltenega Mo, Galen City Sc, Banana Creek, Christian River, Melozitina Riv, VABM Dome, Babbage River, Sheenik River, shailitna Cre, Coleen River, Naadeneel, Hadweenzic Riv, Kuka Creek, Bearman Lake, Blow River, Poorman, Yukon River, Innoko River, Porcupine Rive, Doyon Strip, Telida, Lake Minchumin, Barrier River, Pokr Plat Res, Bear Paw Mtn, Porcupine Dome, Nenana, College, Pin Creek, Steamboat Moun, Castle Rocks, Tsiightechk, AOh Zrail NJ, Eielson Array, Holitna River, Farewell, AK, and Purkeypile.

Table with columns: IZ6K, TRF, G31M, I27K, H29M, MCK, M18K, J25K, EPYK, I28M, J26L, K24K, I29M, CUT, SKT, O16K, SCRK, RIDG, H31M, O17K, I30M, K27K, SPCR, SUA, PAX, DAWY, PMR, SML, L26K, M23K, SCM, HARP, RCO1, M24K, KNK, L27K, P19K, K29M, S12K, FALS, Q17K, HOM, M27K, L29M, S14M, BVCV, M29M, BMRM, YOKA, B0S3, BLKN, CTG, YK4, KAIM, MIMPY, BGCL, FARO, N30M, MESA, N31M, WRGLY, HYT, PINM, O30N, YKAW3, YKA, YKA, YKAW1, P33M, WTLY, WRA, Q32M, DLBC, ASAR

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LEM, CMAR, MJAR, ASAJ, ASAR, SONM, H1N1, H1N2, H1N3, MKAR, ZALV, AAK, KURB, BVAR, ARCS, AKAS, MEX 01, SLGB, PPXB, PPXB, PPXB, PPXB, SFX, SFX, SFX, SFX, SPIG, SPIG, SPIG, SPIG, SOX, SOX, SOX, SOX, RHX, CBX, CBX, TJUG, TJUG, HSIG, HSIG, TUC, TUC, IDC 01, NEIC 01, ISC 01, MDP, H05S1, MPOM, BIM, FDF, H05N1, ABD, GDHS, MAL2, BOAV, NBCL, NBPB, SJG, PRPB, ITTB, RCBR, RCBR, RCBR, MACA, SMTB, NBAR, TEFE, SDBA, SNDB, BBTB, JANB, BDFB, BDFB, BDFB, ROSC, SIV, BBSB, CZSB, CZSB, OTAV, OTAV, OTAV, OTAV, OTAV, V58A, V58A

Table with columns: LPAZ, LPAZ, LPAZ, LPAZ, H10N3, H10N2, H10N1, AMBA, ACCN, H10S3, H10S2, KSPA, KPSA, JTS, ATAH, NNA, TKL, DBIC, MAJO, CPUP, MDT, SADO, VLDO, VLDO, TOR, TOR, TOR, BRDY, L34A, WNOK, FRB, APMT, APMT, BGNE, SFJD, KEST, KEST, DKNS, DKNS, SAND, SUSD, ULM, ULM, MSTX, MSTX, TX31, TXAR, DAVOX, VHRN, VHRN, MNTX, TEOL, CTI, CTI, VAE, SDCO, ISCO, ANMO, PRED, PRED, PLCA, GERES, FFC, LAO, PV15, O20A, PV13, PV18, PV16, VRAC, LPIG, BW06, PD31, PDAR, PDAR, PDAR, RLMT, P18A, TUC, NOA, NOA, WUAZ, X16A, MOOW, TPAW, YMR, HFS

IDC 01 10:51:04.2-1.4, 11:61N;125:85E, h0km, mb4.0/9, mbmp4.0/9, MS3.0/5, Error ellipse: s-maj=61.7km s-min=26.0km az=68.0

IDC 01 11:31:17.5-0.4, 13:82N;106:45:54W;0.07,h10km,n171, o096/84, mb4.5/66, MS3.7/60, Northern Mid-Atlantic Ridge

IDC 01 11:31:15.3-0.6, 13:78N;45:53W, h0km, mb4.0/16, mbmp4.0/17, ML4.0/1, MS3.7/61, Error ellipse: s-maj=18.7km s-min=15.9km az=113.0

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

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like ILSW, ILS, SPIA, M11K, N19K.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BELA, EFi, SMAIL, SMAI.

CGG 01 14:28:50.7-0.8, 137.78N-90.33W, h120km, d1km, MD3.7, 1D, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FG16, MT03, STGO, STGB.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BRSE, L17K, K15K, K13K.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like GSPA, GSPA, GSPA.

IDC 01 14:42:34.1-3.3, 55.10N-159.99W, h0km, mb3.7b, mbmp3.7/9, ML3.6/1, MS3.7/2, Error ellipse: s-maj=89.3km

NEIC 01 14:42:42.8-1.5, 55.10N-0.06-159.97W, h0.06, h1km, 6km, mb3.6/8, ML3.7/41, ML3.5(AEIC), Error ellipse: s-maj=8.4km

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like L19K, L18K, M19K, SLKM.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like GSPA, GSPA, GSPA.

IDC 01 14:42:42.3-0.8, 55.13N-0.06-159.91W, h0.04, h64km, 7km, 149.1338/147, mb3.6/9, Alaska Peninsula

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

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like K17K, STLK, J14K, SVA.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like GSPA, GSPA, GSPA.

VNSW Veniaminof 7 0.97 12 Pn

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like VNSW, VNSW, VNSW.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like K17K, STLK, J14K, SVA.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like GSPA, GSPA, GSPA.

S12K Black Hills 1.35 296 Pn

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like S12K, ANPB, FALS.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like K17K, STLK, J14K, SVA.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like GSPA, GSPA, GSPA.

WESE West Dahl East 2.78 258 Pn

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like WESE, WECS, PLK1.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like K17K, STLK, J14K, SVA.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like GSPA, GSPA, GSPA.

CNTC Contact Creek 3.85 34 Pn

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like CNTC, ANCK, Q16K.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like K17K, STLK, J14K, SVA.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like GSPA, GSPA, GSPA.

OHAK Old Harbor 4.26 58 Pn

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like OHAK, KAHC, KAHC.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like K17K, STLK, J14K, SVA.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like GSPA, GSPA, GSPA.

KDAK Kodiak Island 4.86 54 Pn

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like KDAK, O17K, N14K.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like K17K, STLK, J14K, SVA.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like GSPA, GSPA, GSPA.

Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HOPE, VNA1, VNA3.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BELA, EFi, SMAIL, SMAI.

IDC 01 14:48:12.3-3.2, 58.72S-25.36W, h30km, mb4.4/13, mbmp4.6/14, ML4.9/1, MS3.6/2, Error ellipse: s-maj=17.7km

NEIC 01 14:48:12.0-1.3, 58.73S-0.10-25.4W, 0.2, h28km, 3km, mb4.9/42, Error ellipse: s-maj=14.4km

ISC 01 14:48:12.1-1.0, 58.77S-0.06-25.33W, h31km, 5km, n280, o076/243, mb4.8/29, MS3.6/20, 1C-6D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HOPE, VNA1, VNA3.

Table of astronomical observations for 1d 14h, listing object names, coordinates, magnitudes, and observation details.

Table of astronomical observations for 2019 MAY, listing object names, coordinates, magnitudes, and observation details.

Table of astronomical observations for 2019 MAY, listing object names, coordinates, magnitudes, and observation details.

DJA 01 14:54:41.6 ± 1.0, 3°N 5°E, h28km ± 1km, M3.77, mb4.5/1, mb3.9/2, MLV3.6/7, Phase ID 3.6/1, Northern Molucca Sea

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

NNC 01 14:57:44.2 ± 1.3, 38°44'N:72°23'E, h0km, mb4.3, mpv4.1, Error ellipse: s-maj=29.6km s-min=19.9km az=171.0

KRNET 01 14:57:55.1 ± 0.1, 39°43'N:72°92'E, h14km, mb3.9

SOME 01 14:57:56.8, 39°36'N:72°67'E, h15km

IDC 01 14:57:58.4 ± 2.7, 39°58'N:72°71'E, h0km, mb3.6/3, mbtmp3.5/7, ML2.6/4, MS3.3/5, Error ellipse: s-maj=41.2km s-min=20.0km az=150.0

ISC 01 14:57:58.4 ± 0.8, 39°56'N:0°05'x72°78'E, h10km, n63, z25°35'97, mb3.6/3, MS3.6/4, 31C-24D, Kyrgyzstan

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

Table with columns: Station, Station Name, Azimuth, Azimuth Error, Phase, P, S, M, L, R, T, Res, Res Error, ISC, Time, Res Time, ISC Time. Includes stations like ULHL, BCOM, USP, etc.

NNC 01 15:10:12.6±2.1, 54.20N; 86.45E, h0km, mb3.5, mpv2.8, 6C-2D, Error ellipse: s-maj=26.3km s-min=10.7km az=177.0, Suspected Mining explosion., Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, P, S, M, L, R, T, Res, Res Error, ISC, Time, Res Time, ISC Time. Includes stations like ZAAO, ZAAO, KURK, etc.

IDD 01 15:13:31.9±9.8, 11.40N; 125.19E, h141km, 97km, mb3.2/10, mbtmp3.0/10, MS3.2/9, Error ellipse: s-maj=50.5km s-min=16.3km az=73.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, P, S, M, L, R, T, Res, Res Error, ISC, Time, Res Time, ISC Time. Includes stations like JOW, KAPI, GUMO, etc.

Table with columns: Station, Station Name, Azimuth, Azimuth Error, Phase, P, S, M, L, R, T, Res, Res Error, ISC, Time, Res Time, ISC Time. Includes stations like ASAR, KLR, SONM, etc.

IDC 01 15:20:21.6±99.0, 53.74N; 2.89E, h0km, Error ellipse: s-maj=448.9km s-min=156.1km az=110.0, North Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, P, S, M, L, R, T, Res, Res Error, ISC, Time, Res Time, ISC Time. Includes stations like I26DE, I43RU, I31KZ, etc.

IDC 01 15:32:25.3±0.3, 17.12S; 172.05W, h0km, mb4.7/18, mbtmp4.7/18, MS4.0/38, Error ellipse: s-maj=19.5km s-min=14.7km az=135.0

NEIC 01 15:32:21.3±1.7, 16.94S; 0.06±171.71W, h10km, 1km, mb5.0/163, Error ellipse: s-maj=13.4km s-min=10.1km az=61.0

BUI 01 15:32:21.0, 16.50S; 171.75W, h11km, mb5.2/10, mb4.9/20, Ms4.8/4, Ms7 4.5/3

MOS 01 15:32:21.9±2.1, 16.85S; 172.21W, h10km, mb5.1/23, Error ellipse: s-maj=11.0km s-min=9.2km az=79.4

NOU 01 15:32:23.4, 16.81S; 171.67W, h43km, mb5.2/28, Samoa Islands Region

GCMT 01 15:32:25.3±0.3, 17.12S; 0.03±171.78W, 0.02, h23km, MW5.0/95, Moment Tensor Solution, s47, c61, s95, c123; Duration: 0. Moment tensor: Scaled 10^16Nm: Mw: 3.33±.16; Ms0.84±.10; Mw2.48±.10; Mw1.74±.06; Mw0.63±.13; Best double couple: M3.30700; 1016 Np1.3±39.00000; d44.00000; λ-71.00000; NP2: p±194.00000; s49.00000; λ-107.00000; Principal axes: T 3.0760, P1g3.0000, Azm296.0000; N 0.4520, P1g3.0000, Azm206.0000; P -3.5370, P1g77.0000, Azm377.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BGR 01 15:32:30.3, 16.29S; 172.05W, h10km, Ms4.4, ISC 01 15:32:21.0±3.7, 17.02S; 0.04±171.80W, 0.04, h20km, N750, 1.165/682, mb5.0/129, MS4.0/38, 54C-34D, Tonga Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, P, S, M, L, R, T, Res, Res Error, ISC, Time, Res Time, ISC Time. Includes stations like NIUE, NIUE, NIUE, etc.

Table with columns: Station, Station Name, Azimuth, Azimuth Error, Phase, P, S, M, L, R, T, Res, Res Error, ISC, Time, Res Time, ISC Time. Includes stations like TARZ, MUGZ, RTZ, etc.

2019 MAY

Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include locations like Kunigami, Sand Point, Isabella, Lake, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include locations like Ohwah River, Skliak Lake, Montague Island, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include locations like Palmer Station, Nowita River, Steele Glacier, etc.

Table with columns for station ID, name, frequency, mode, power, and location. Includes stations like POKR Poket Plat Res, M30M Minto, Yulon, and many others.

Table with columns for station ID, name, frequency, mode, power, and location. Includes stations like TOLK Toolik Lake Res, D25K Arctic Village, and many others.

Table with columns for station ID, name, frequency, mode, power, and location. Includes stations like KURK Kurchatov, KURB Kurchatov Arra, and many others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ZVC Zvikov, GRF Grafenberg Arr, JAVC Velka Javorina, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TGY Tagay City, KAMI Kappang, CM31 Chiang Mai Arr, etc.

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
JAY Jayapura 3.40 359 Pn 15 33 58 +1.8

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
LTHK Lithakia 0.39 55 P S 15 50 26.1 -0.3

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
LUWI Luwuk 0.86 10 S S 15 56 15.1 -0.9

Manual Solution by G.Panopoulos First location: 2019/05/01 15:21:23, This location: 2019/05/01 19:08:40

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
LWUW Luwuk 0.86 10 S S 15 56 15.1 -0.9

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
LWUW Luwuk 0.86 10 S S 15 56 15.1 -0.9

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
LWUW Luwuk 0.86 10 S S 15 56 15.1 -0.9

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
LWUW Luwuk 0.86 10 S S 15 56 15.1 -0.9

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
LWUW Luwuk 0.86 10 S S 15 56 15.1 -0.9

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
LWUW Luwuk 0.86 10 S S 15 56 15.1 -0.9

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
LWUW Luwuk 0.86 10 S S 15 56 15.1 -0.9

CMAR Chiang Mai Arr 30.86 312 P P 16 02 14.6 +0.9
Chichijima 34.44 32 LR LR 16 18 22.0
MKAR Makanchi Array 60.03 329 P P 16 06 03.4 -0.4

NEIC 01:16:33.18.8.1.7.39.86N.0.04:117.47W.0.06,h5km,2km, Error ellipse: s-maj=7.5km s-min=5.9km az=297.0

REN 01:16:33.20.3.1.1.39.85N.0.04:117.41W.0.06,h4km,6km, ML2.6/7,ML2.5/40(NEIC),Error ellipse: s-maj=6.2km s-min=5.6km az=126.0,Nevada

Code Station Name Az Az' Phase ID Time Res ISC
Q09A Carvers 1.02 170 Op Pn 16 33 39.7 -0.3
Q09A Carvers 1.02 170 Op Pn 16 33 53.2 0.0
RYN Ryan 1.49 216 IAML Pn 16 33 46.9 -1.1

DCD 01:16:41.38.8.3.0.9.58S:148.63E,h0km,mb3.1, mbtm3.5/3,ML3.1/2,Error ellipse: s-maj=57.5km s-min=20.9km az=17.0,Eastern New Guinea region

Code Station Name Az Az' Phase ID Time Res ISC
PMG Port Moresby 1.46 277 Op Pn 16 42 05.9 -0.5
WRA Warrungu Arr 17.22 247 Pn Pn 16 45 40.9 0.0
ASAR Alice Springs 19.85 223 P P 16 46 11.8 +0.3

CATAC 01:16:43.03.8.1.1.12.N.12.8.7W.1.2,h187km,7km, M2.5/15,ML2.5/15,Error ellipse: s-maj=34.0km s-min=12.6km az=43.1,confirmed

UCR 01:16:43.06.5.2.0.11.477N.67.65W,h20km,14km,MW3.7 ISC 01:16:43.06.8.2.3.12.3N.0.1:86.9W.0.1,h167km,15km,n46, c=111/66,2C,Nicaragua

Code Station Name Az Az' Phase ID Time Res ISC
ROCN Rota Cerro Neg 0.28 38 P Pn 16 43 27.8 -1.6
CNGA AI SSO del Vol 0.29 48 P Pn 16 43 29.0 -0.5
CNGN Cerro Negro 0.30 47 P Pn 16 43 29.0 -0.6

JCR1 Cabuya 3.24 146 eS Pn 16 44 30.6 -2.0
CBL1 Cabuya 3.24 146 eS Pn 16 43 58.1 +0.3
CBL1 Cabuya 3.24 146 eS Pn 16 44 34.5 -3.1

DJA 01:16:59.32.5.0.3.0.3.S.12.3E.,h46km,10km,M3.7/13, mb3.5/2,MLv3.7/13,Minahassa Peninsula,Sulawesi

Code Station Name Az Az' Phase ID Time Res ISC
LUWI Luwuk 1.68 194 Op Pn 16 59 53.4 +1.7
MRSI Marisa 1.30 311 S Pn 16 59 52.5 -1.8
APSI Ampana 1.39 248 P Pn 16 59 56.6 +1.2

DCD 01:17:33.11.3.3.5.47.70N:92.49W,h0km,mbtm2.8/3, ML2.0/2,Error ellipse: s-maj=41.3km s-min=18.9km az=74.0

NEIC 01:17:33.12.2.1.4.47.57N:0.03:92.64W:0.07,h0km,2km, mb_Lg2.9/23,Error ellipse: s-maj=9.0km s-min=3.6km az=62.6/2

ISC 01:17:33.10.3.0.9.47.65N:0.05:92.60W:0.05,h0km,n23, c=1546/16,Minnesota

Code Station Name Az Az' Phase ID Time Res ISC
EYMN Ely 0.80 67 P Pn 17 33 27.2 +0.1
E38A The Farm, Brul 1.26 145 P Pn 17 33 33.8 -0.8
E38A The Farm, Brul 1.26 145 P Pn 17 33 40.8 +0.4

NEIC 01:17:41:37.5.0.3.3.7.44N:0.02:118.67W:0.01,h14km,5km, Error ellipse: s-maj=2.6km s-min=0.6km az=207.0

REN 01:17:41:37.8.0.4.3.7.45N:0.01:118.66W:0.02,h12km,5km, Error ellipse: s-maj=2.6km s-min=0.9km az=223.0

NCEDC 01:17:41:37.6.0.4.3.7.45N:0.01:118.67W:0.01,h14km,4km, ML3.0/11,ML2.6/66(NEIC),ML3.1/7(REN),Error ellipse: s-maj=2.4km s-min=0.9km az=219.0,California-Nevada border region

Code Station Name Az Az' Phase ID Time Res ISC
MTUM Tungsten Hills 0.12 139 Op Pn 17 41 41.3 0.0
MFBM Five Bridges 0.19 95 Pn 17 41 42.3 +0.4
MFCM Convict Lake 0.19 318 Pn 17 41 42.3 -0.1

MMIM Miami Mountain 0.86 269 Pg Pn 17 41 53.6 -0.7
FRI Friant 0.95 242 Pn 17 41 55.0 -0.8
NFB Mina Array Sit 0.99 196 Pn 17 41 56.5 -0.3

NEIC 01:17:44:57.1.0.9.20.3S:0.1:177.6W:0.1,h517km,4km, mb4.3/49,Error ellipse: s-maj=19.8km s-min=17.0km az=89.0

DCD 01:17:44:59.5.1.4.20.29S:177.77W,h546km,15km, s-min=10.6km az=16.0,Error ellipse: s-maj=15.2km az=16.0

ISC 01:17:44:59.2.0.2.20.26S:0.07:177.72W:0.08, h513km,7km,h531km,PP-P,n135,c068/137,mb4.3/46, 4C-8D,Fiji Islands region

Code Station Name Az Az' Phase ID Time Res ISC
KARE Kearney Rect, C 1.08 219 Pn Pn 17 41 57.5 -0.6
CGO Cerro Gordo 1.13 142 Pn 17 41 58.3 -0.8
GMN Gold Mountain 1.13 97 Pn 17 41 58.8 -0.5

NEIC 01:17:44:59.5.1.4.20.29S:177.77W,h546km,15km, s-min=10.6km az=16.0,Error ellipse: s-maj=15.2km az=16.0

ISC 01:17:44:59.2.0.2.20.26S:0.07:177.72W:0.08, h513km,7km,h531km,PP-P,n135,c068/137,mb4.3/46, 4C-8D,Fiji Islands region

Code Station Name Az Az' Phase ID Time Res ISC
MSVF Nonsavu 4.78 302 P P 17 46 24.5 +0.7
MSVF Nonsavu 4.78 302 P P 17 46 26.4 +1.2
GLKZ Green Lake 8.86 181 S S 17 48 45.5 -1.8

Table with columns: ID, Name, Date, Time, Az, El, SNR, and other parameters. Includes entries like Stephens Creek, Buckleboe, Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase I, Time, Res, and other parameters. Includes entries like FINESS Array B, Malin Array B, etc.

Table with columns: Name, Date, Time, Az, El, SNR, and other parameters. Includes entries like Warramunga Arr, Alice Springs, etc.

Table with columns: Station Name, Station No, Az, Phase ID, Time, Res, ISC. Includes stations like E19K Redstone River, I26K Coal Creek, G23K Bananza Creek, etc.

GCMT 01 17:55:26.0-0.5, 7.46S; 0.03:13.21W; 0.02, h18km, 2km, MW4.6/73, Moment Tensor Solution. s15, c21; s73, c92; Duration: 0 Moment tensor: Scale 1016Nm; Mrr=0.06±0.06; Mtt=0.35±0.06; Mss=0.40±0.07; Mxx=1.1±1.3; Mxy=0.98±0.06; Mxz=0.16±0.14; Best double couple: M=1.06700x1016 NP1=80.00000°, 883.00000°, 7.700000°. NP2=349.00000°, 884.00000°, 1.7300000°. Principal axes: T=1.1120, P1=9.0000, Azm=305.0000; N=0.0920, P1g1=0.0000, Azm1=2.0000; P=1.0210, Azm=1.0000; N=0.0920, Azm3=0.0000; Azm3=0.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function Ascension Island region

GII 01 18:07:27.7-0.0, 34.861N; 0.001:27.872E; 0.001, h18km, Mw5.3, confirmed. NIC 01 18:07:28.2, 34.87N; 27.85E, h26km, 2km, MI3.0/11. ISK 01 18:07:29.4, 35.11N; 28.00E, h11km, ML3.1/13. ATH 01 18:07:31.4, 35.07N; 27.98E, h22km, 9km, ML3.1/3. Manual Solution by M.Charalambakis First location: 2019/05/01 18:09:02. This location: 2019/05/02 02:33:15 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 41 km; Longitude uncertainty: 74 km

Table with columns: Code, Station Name, Station No, Az, Phase ID, Time, Res, ISC. Includes stations like KARP Karpathos, ARG Arkhangelos, ZKR Zakros, etc.

Table with columns: Station Name, Station No, Az, Phase ID, Time, Res, ISC. Includes stations like ELL 0.3nm, 0.7s, CAEL Denizli-Camel, DNZT Denizli-Tavas, etc.

Table with columns: Station Name, Station No, Az, Phase ID, Time, Res, ISC. Includes stations like PEAOB Petropavlovsk, PETK Petropavlovsk, PETP Petropavlovsk, etc.

2019 MAY

Table listing stations such as OHAK, ANCK, CNTC, ACHA, FALS, KDAK, etc., with columns for Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s. Includes details like 'Old Harbor', 'Angle Creek', 'Contact Creek'.

Table listing stations such as LHV, WAKR, WAKR, WAKR, etc., with columns for Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s. Includes details like 'Little Huntton', 'Walker', 'Martis Peak', 'Pah Rah Range'.

Table listing stations such as DJA, NEIC, IDC, ISC, etc., with columns for Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s. Includes details like 'DJA 01 18:21:23.8...', 'NEIC 01 18:21:24.0...', 'IDC 01 18:48:32.5...', 'ISC 01 18:48:31.3...'. Also includes 'Banda Sea' and 'New Britain region'.

Table listing stations such as DJA, ISC, SAUI, BNDI, AAI, MSAI, FAKI, etc., with columns for Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s. Includes details like 'DJA 01 18:21:23.8...', 'ISC 01 18:21:24.0...', 'SAUI Saumlaki', 'BNDI Bandanaira', etc.

Table listing stations such as MTN, WRB, WRA, WRA, WRA, etc., with columns for Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s. Includes details like 'MTN Mantion Dam', 'WRB Warrunganga Arr', 'WRA Warrunganga Arr', etc.

Table listing stations such as IDC, ISC, DAV, GUMO, FITZ, etc., with columns for Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s. Includes details like 'IDC 01 18:50:22.6...', 'ISC 01 18:50:21.9...', 'DAV Davao City (W)', 'GUMO Guam', 'FITZ Fitzroy Crossi', etc.

1d 19h

Table with columns: Flight ID, Destination, Altitude, Frequency, Status, Time, and other flight details. Includes destinations like Shalercruk Mo, Nigu River, Altna River, Purcell Moun, etc.

2019 MAY

Table with columns: Flight ID, Destination, Altitude, Frequency, Status, Time, and other flight details. Includes destinations like Red Dog Mine, Bananza Creek, Galena City Sc, etc.

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Table with columns: Flight ID, Destination, Altitude, Frequency, Status, Time, and other flight details. Includes destinations like Arctic Village, Kavik River, Pokr Plat Res, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like H27K Steamboat Moun, RIDG Independent Ri, D27M Malcolm River, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like INK Inuvik, Q16K King Salmon, F31M Tsilighetich, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like GTA Gaotai, ABKAR Abkulaq array, AKASE Malin Array Be, etc.

1d 21h

Table with columns: ID, Station Name, Time, Res, and other parameters. Includes stations like D19K Kuna River, H21K Melozitna Rive, BPAW Bear Paw Mtn, etc.

2019 MAY

Table with columns: L29M, L29M, 25.95, 47, P, P, 21 35 55.1+0.4, etc. Includes stations like L29M L29M, I29M Ogilvie Camp, HYT Haines Junction, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AML Almayashu, EKS2 Erkin-Say, KK31 Karatay Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DJA 01 21:38:46.8-0.7,3'N, 126°16'E, etc.

IDC 01 21:41:25.3; 1.8, 9:05S; 124°24'E, h0km, mb3.4/1, mbtmp3.5/4, ML3.6/3, Error ellipse: s-maj=116.7km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SGOI Sangihe, MRSI Marisa, etc.

IDC 01 21:41:35.7; 0.9, 9:57S; 121°42'E, h64km, 16km, M3.9/7, mb4.3/1, MLV3.6/7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SOEI Soe, MMRI Maumere, etc.

NEIC 01 21:50:53.9; 1.2, 40:5'N; 0.1; 29:40W; 0.03, h10km, 1km, mb4.6/18, Error ellipse: s-maj=18.9km s-min=4.0km

IDC 01 21:50:54.1; 2.2, 40:5'N; 0.1; 29:40W; 0.03, h0km, mb3.8/12, mbtmp3.7/13, ML3.8/1, MS3.8/39, Error ellipse: s-maj=73.0km s-min=18.8km az=176.0

ISC 01 21:50:34.0; 0.6, 40:5'N; 0.1; 29:39W; 0.08, h14km, n70, 0:066/37, mb4.1/22, MS3.8/38, Azores Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMLA Cha da Macela, ESDC Sonseca Array, etc.

IDC 01 21:35:36.4; 8.4, 36:94N; 70:99E, h222km, 52km, mb3.4/3, mbtmp3.7/8, MS2.4/2, Error ellipse: s-maj=81.0km

NNC 01 21:35:40.3; 3.2, 37:18N; 71:09E, h250km, 58km, mb2.7, mpv3.9, Error ellipse: s-maj=36.7km s-min=21.6km az=6.0

ISC 01 21:35:39.7; 2.1, 37:1N; 0.2; 71:1E; 0.1, h250km, n24, 0:091/27, mb3.6/3, 4C-5D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, Op, h, m, s, Res, ISC. Rows include DBIC Dimbokro, ARCES ARCES Array B, MDP Montagnes des, AKASG Malin Gray B, AKASG, TKL Tuckaleechee C, RES Resolute Bay, ULM Lao du Bonnet, RCBR Riachuelo, ECSS EROS Data Cent, KIRV Kirov, BELG Belogornoye, KBZ Khabaz, EIL Eliat, YOSK Yellowknife Ar, ARTI Arti, JTS Las Juntas de, PD31 Pinedale Array, PDAR Pinedale Array, PDAR, AKTO Aktyubinsk, F30M Barrier River, HWUT Hardware Ranch, NEW Newport, TXAR Lajitas Array, PLID Pearl Lake, I29M Ogilvie Camp, PSUT Pine Spring, I26K Coal Creek Min, J08A Circle Bar Ran, BBB Bella Bella, BRVK Borovoye, BVAR Borovoye Array, BVAR, NVAR Milna Array Bea, YBH Yreka Blue Hor, LPAZ La Paz, LPAZ, TIXI Tiksi, PFO Pinyon Flats O, LPIG La Paz, KURBB Kurchatov Arra, KKAR Karatay Array, ZALV Zalesovo, TSUM Tsumeb, MKAR Makanchi Array, MKAR Makanchi Array, NRN Haryn, SEY Seymchan, LSZ Lusaka, LBTB Lobates, SONM Songoing Array, TAP 01, JMA 01, MV2 7/11, ISG 01, ISG 01.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, Op, h, m, s, Res, ISC. Rows include WFSB ENA Nanau, ENA, IRIF Iriomote-Funau, TNOU National Taiwa, TWE Neicheng, EAHA Aohua, EPHA, FUSH Fushanzhiweyua, ENTT Nioudou, TWA Mucha, LATG Datong, NLTG Nwltai, NWLT, NHDH Xindian Distri, YM01 YM01, TATO Taipei, HATJ Hateruma jima, HATJ, TZHU Zhuzhu, TWY Chenuha, NACB Ninganchiao, NACB Ninganchiao, ANP Anpu, TWD Chiawan, YHNB Yeheng, YHNB Yeheng, YHNB Kuro-shima, JKRS, ETLH Kiulo Townshi, ETLH, NSK Sanguang, NSK, NNSB Datong, NNSB, NNS Nan Shan, ETM Tongmen, LXIB Xiulin Townshi, LXIB, SHUL Shoufeng, SHUL, KSHI Guanxi Townshi, KSHI Fushou, FUSF Wufeng Townshi, NFF Shilin, ESL Shilin, TWT Tachien, TDCB Techii, TDCB, LIOB Emei, NSIT Nanjuang, WARB Fenglin Townsh, WARB, OWD Renai, OWD Renai, WWSB WWSB, WHP Taichung City, WHP, HGSD Ruisui, HGSD, NMLH Miaoii, NMLH, WCS Beigang Elemen, WQ1 Liyuant, WQ1, YULB Yu-i, YULB Yu-i, SMLT Sun Moon Lake, SMLT, SSSL Suanglung, SSSL, TWFI Yuli, TWFI, TYC Yuchr, TYC, CHKH Chenggong, CHKH, WHYT Xinyi Township, WHYT, FULB Fuli, FULB, EDH Donghe, EDH, ELDTW Lidau, ELDTW, WDLH Douliu, WDLH, WCKO Fanlu, WCKO, LDUT Ludao, LDUT, STYH Taoyuan, STYH, WTK Tuku, WTK, WTK Tsauhsan, WTK, TWGT Beinan, TWGT, TWGT Beinan, TWGT, TWG Pinlang, TWG, WTP Ta-pu, WTP, TWK Hsinying, TWK, SNST Tainan City, SNST, SGST Jiashian, SGST, ENCL Taimali, ENCL, MASBT Mashibuluo, MASBT, VMUC VMUC, VMUC, WATZ Wairara, WATZ.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, Op, h, m, s, Res, ISC. Rows include RTZ Raatahuna, MRHZ Matea Rd, MRHZ, KMK Moumakai, KAUZ Raogitua, RUTZ Kungtuan, KUZ Maoutung, MTHZ Kaungataniwha, MTHZ, MATAWAI Matawai, MATAWAI, RUGZ Raukumara Rang, RUGZ, RAGZ Rawiri, RAGZ, RITZ Rihia Road, RITZ, HAZ Te Kaha, HAZ, KATZ Kakaramea, KATZ, KATZ Arahi, SHNZ Shannon Statio, SHNZ, WAIZE Waiheke Island, WAIZE, ETAE East Tamaki Re, ETAE, KRWZ Kawerewa, KRWZ, TMVZ Te Maari, TMVZ, BKZ Black Stump Fm, BKZ, BKZ Black Stump Fm, BKZ, ETVZ East Tongariro, ETVZ, WTVZ West Tongariro, WTVZ, TAUWZ Tauwau, TAUWZ, NNWZ North Ngauruho, NNWZ, OTVZ Oturere, OTVZ, TKVZ Te Karaka, TKVZ, TWGZ Tauwhareparea, TWGZ, NGZ Ngauruhoe, NGZ, SNVZ South Ngauruho, SNVZ, SNVZ, WIAZ Waihi Peninsula, WIAZ, PKGZ Pakihiko, PKGZ, MBZ Motutapu North, MBZ, COVZ Chateau Observ, COVZ, WHZ Waihua, WHZ, RIGZ Rimuhau, RIGZ, TUVZ Tukino, TUVZ, FWVZ Far West T-bar, FWVZ, MAVZ Matarangi, MAVZ, WHTZ Whangahau Hut, WHTZ, ARHZ Araroa, ARHZ, WTAZ Waitara, WTAZ, TRVZ Turoa, TRVZ, WNVZ Wahianoa, WNVZ, KFWZ Kaweka Forest, KFWZ, PUKITZI Puketitzi, PUKITZI, PKVZ Pokaka, PKVZ, ABAZ Army Bay, ABAZ, MOVZ Moawhango, MOVZ, KNZ Kokohu, KNZ, MATAKAO Matakao Point, MATAKAO, MXZ Matakao Point, MXZ, GRZ Great Barrier, GRZ, MCNZ McNeill Hill, MCNZ, MGTZ Mangateitei, MGTZ, WMAZ Waitangi Statio, WMAZ, WMGZ Waioamatai S, WMGZ, VRZ Vera Road, VRZ, KRHZ Kereru, KRHZ, MHGZ Mahia Peninsula, MHGZ, KHZ Cape Kidnapper, KHZ, PNHZ Pukenui, PNHZ, WAZ Wanganui, WAZ, NEZ North Egmont, NEZ, PREZ Palmer Road, PREZ, WPHZ Waipukurau, WPHZ, PXZ Pawanui, PXZ, KHEZ Kahui Hut, KHEZ, NBEZ Newall Road No, NBEZ, CMVZ Cape Maudslowi, CMVZ, NMEZ Narmu Road, NMEZ, PRHZ Porangahau, PRHZ, DVHZ Dannevirke, DVHZ, OHVZ Ohakea, OHVZ, POWZ Post Office Ro, POWZ, ELDTW Lidau, ELDTW, WDLH Douliu, WDLH, WCKO Fanlu, WCKO, LDUT Ludao, LDUT, STYH Taoyuan, STYH, WTK Tuku, WTK, WTK Tsauhsan, WTK, TWGT Beinan, TWGT, TWGT Beinan, TWGT, TWG Pinlang, TWG, WTP Ta-pu, WTP, TWK Hsinying, TWK, SNST Tainan City, SNST, SGST Jiashian, SGST, ENCL Taimali, ENCL, MASBT Mashibuluo, MASBT, VMUC VMUC, VMUC, WATZ Wairara, WATZ.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, Op, h, m, s, Res, ISC. Rows include TAP 01 22:18:33.6, JMA 01 22:18:34.3, MV2 7/11, ISG 01 22:18:34.0, ISG 01 22:18:34.0, YJNG Yonagunijimaku, YJNG, YOJ Yonaguni jima, YOJ, YOJ Yonaguni jima, YOJ, YOJ Yonaguni jima, YOJ, EOS2 EOS2, EOS2, EOS3 EOS3, EOS3, EOSA EOSA, EOSA, EOB1 Santiaio Chiam, EOB1, EGS EGS, EGS, EGS Suao, EGS, TWC TWC, ESAO Su ao, ESAO, TIPB Shuangxi, TIPB, SKX1 Grass Mountain, SKX1, SX11 ILA, SX11, ILA, EWUT Wuta, EWUT, EWUT, NDS Dongshan, NDS, NWS Wu-fen Shan, NWS, NWS, WFSB Wu-fen Shan, WFSB.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, Op, h, m, s, Res, ISC. Rows include RTZ Raatahuna, MRHZ Matea Rd, MRHZ, KMK Moumakai, KAUZ Raogitua, RUTZ Kungtuan, KUZ Maoutung, MTHZ Kaungataniwha, MTHZ, MATAWAI Matawai, MATAWAI, RUGZ Raukumara Rang, RUGZ, RAGZ Rawiri, RAGZ, RITZ Rihia Road, RITZ, HAZ Te Kaha, HAZ, KATZ Kakaramea, KATZ, KATZ Arahi, SHNZ Shannon Statio, SHNZ, WAIZE Waiheke Island, WAIZE, ETAE East Tamaki Re, ETAE, KRWZ Kawerewa, KRWZ, TMVZ Te Maari, TMVZ, BKZ Black Stump Fm, BKZ, BKZ Black Stump Fm, BKZ, ETVZ East Tongariro, ETVZ, WTVZ West Tongariro, WTVZ, TAUWZ Tauwau, TAUWZ, NNWZ North Ngauruho, NNWZ, OTVZ Oturere, OTVZ, TKVZ Te Karaka, TKVZ, TWGZ Tauwhareparea, TWGZ, NGZ Ngauruhoe, NGZ, SNVZ South Ngauruho, SNVZ, SNVZ, WIAZ Waihi Peninsula, WIAZ, PKGZ Pakihiko, PKGZ, MBZ Motutapu North, MBZ, COVZ Chateau Observ, COVZ, WHZ Waihua, WHZ, RIGZ Rimuhau, RIGZ, TUVZ Tukino, TUVZ, FWVZ Far West T-bar, FWVZ, MAVZ Matarangi, MAVZ, WHTZ Whangahau Hut, WHTZ, ARHZ Araroa, ARHZ, WTAZ Waitara, WTAZ, TRVZ Turoa, TRVZ, WNVZ Wahianoa, WNVZ, KFWZ Kaweka Forest, KFWZ, PUKITZI Puketitzi, PUKITZI, PKVZ Pokaka, PKVZ, ABAZ Army Bay, ABAZ, MOVZ Moawhango, MOVZ, KNZ Kokohu, KNZ, MATAKAO Matakao Point, MATAKAO, MXZ Matakao Point, MXZ, GRZ Great Barrier, GRZ, MCNZ McNeill Hill, MCNZ, MGTZ Mangateitei, MGTZ, WMAZ Waitangi Statio, WMAZ, WMGZ Waioamatai S, WMGZ, VRZ Vera Road, VRZ, KRHZ Kereru, KRHZ, MHGZ Mahia Peninsula, MHGZ, KHZ Cape Kidnapper, KHZ, PNHZ Pukenui, PNHZ, WAZ Wanganui, WAZ, NEZ North Egmont, NEZ, PREZ Palmer Road, PREZ, WPHZ Waipukurau, WPHZ, PXZ Pawanui, PXZ, KHEZ Kahui Hut, KHEZ, NBEZ Newall Road No, NBEZ, CMVZ Cape Maudslowi, CMVZ, NMEZ Narmu Road, NMEZ, PRHZ Porangahau, PRHZ, DVHZ Dannevirke, DVHZ, OHVZ Ohakea, OHVZ, POWZ Post Office Ro, POWZ, ELDTW Lidau, ELDTW, WDLH Douliu, WDLH, WCKO Fanlu, WCKO, LDUT Ludao, LDUT, STYH Taoyuan, STYH, WTK Tuku, WTK, WTK Tsauhsan, WTK, TWGT Beinan, TWGT, TWGT Beinan, TWGT, TWG Pinlang, TWG, WTP Ta-pu, WTP, TWK Hsinying, TWK, SNST Tainan City, SNST, SGST Jiashian, SGST, ENCL Taimali, ENCL, MASBT Mashibuluo, MASBT, VMUC VMUC, VMUC, WATZ Wairara, WATZ.

1d 22h

Table with 5 columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Jackson Bay, Wanaka, Earnscleugh, etc.

IDC 01 22:24:25.8.2.5, 40.64N, 29.57W, h0km, mb3.8/7, mbmp3.7/8, ML3.6/1, MS3.5/44, Error ellipse: s-maj=87.0km s-min=22.8km az=177.0

ISC 01 22:24:27.8.2.3, 40.60N, 0.5:29.6W, 0.2, h14km, n49, o083/8, mb3.8/7, MS3.5/43, Azores Islands region

Main table for 1d 22h section, listing station codes, names, and various parameters like Azimuth, Elevation, and Residuals.

KRSC 01 22:38:20.9.1.0, 55.26N, 161.03E, h162km, 10km, Mc3.6, M4.5, Fell (III) at kordon Kronoki. MOS 01 22:38:21.0.0.8, 55.38N, 160.74E, h173km, mb4.1/13, Error ellipse: s-maj=10.8km s-min=4.7km az=81.1

Table for 1d 22h section, listing station codes, names, and various parameters like Azimuth, Elevation, and Residuals.

2019 MAY

Main table for 2019 MAY section, listing station codes, names, and various parameters like Azimuth, Elevation, and Residuals.

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Main table for 38 section, listing station codes, names, and various parameters like Azimuth, Elevation, and Residuals.

Table with columns for station ID, name, elevation, frequency, polarization, and coordinates. Includes stations like E20K Nigu River, B20K Meade River, L19K White Mountain, etc.

Table with columns for station ID, name, elevation, frequency, polarization, and coordinates. Includes stations like IL31 Eielson Array, ILAR Eielson Array, HDA Harding Lake, etc.

Table with columns for station ID, name, elevation, frequency, polarization, and coordinates. Includes stations like SPITS Spitsbergen Arr, WMQ Urumqi, KURK Kurchatov, etc.

MDD 01 22:41:40.8, 0.5, 35.55N; 3:77W, h0km, 3km, mb_Lg2.8/42, Error ellipse: s-maj=3.1km s-min=2.2km az=169.0 CNRM 01 22:41:41.1, 1.35, 60N; 3:77W, h20km, ML3.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Barranco-do-Ve, Espera, Vaqueiros, Vila Bispo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Rabaul, Manu Island, Port Moresby, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kunigami, Omania, Meekatharra, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Bering, Mys Kozlova, Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kakadu, Saumlaki, Sorong, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mangrove, Rata Peaks, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KODAK, TIXI, F17K, G18K, CAST, F19K, SML, E19K, MKAR, RND, MLY, ZALV, ILAR, DOT, KDJ, KSH, BCAR, KURBB, TKM2, NIL, KBK, CHMS, AAK, AAK, AAK, USP, AML, EKS2, QSPA, ARSB, MAW, NRK, NRK, BBB, GAR, KK31, YBH, BVAR, BVAR, BRVK, NVAR, PFO, SYO, ELK, YKA, ARTI, AKTO, PDAR, VYHS, CLL, GERES, KBA, LESA, EKA, ABTA, WATA, WTTA, MOTA, FETA, FETA, DAVA, LPAZ, KEST, CPUP, ESDC, TORD, BDFB, DBIC.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SFK, SALK, SALK, NARN, NARN, OHH, ARLS, ARLS, ARSB, ARSB, DRK, DRK, ULHL, UCH, KDJ, KDJ, AML, KBK, AAK, AAK, AAK, AAK, FRU1, FRU1, EKS2, TKM2, TKM2, TKM2, BTK, BTK, CHMS, CHMS, KST, KST, KST, KST, ANVS, ANVS, MRKS, MRKS, MRKS, MRKS, TNS5, TNS5, TNS5, TNS5, TNS5, MTBS, MTBS, MTBS, DGS, DGS, MDOK, MDOK, MDOK, MDOK, USP, AAA, AAA, AAA, AAA, KND, KND, KOTS, KOTS, KOTS, SGDS, SGDS, SATY, ZHN, ZHN, ZHN, ZHN, KTBS, KTBS, KURS, KURS, KUU, KUU, KUU.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KUU, KUU, UZB, UZB, CHKK, CHKK, CHKK, CHKK, KPKS, KPKS, SHLS, SHLS, SHLS, PDGK, PDGK, IUG, IUG, BLB, BLB, KK31, KK31, KK31, BRLS, BRLS, BRLS, BRLS, TDK, TDK, TDK, KAPS, KAPS, KK31, MKAR, MKAR, MKAR, KURBB, KURBB, BVAR, BVAR, BVAR, AB31, ZALV, ZALV, AKTO, AKTO, SONM, BRTR, FINES, FINES, ARCES, HFS, GERES, NB2, NOA, EKA, ESDC, ILAR, YKA, WRA.

IDC 01 23:37:08.5.1.1, 39:01N;75:50E, h0km, mb3.7/12, mbmp3.7/18, ML3.2/6, MS2.7/4, Error ellipse:

NVC 01 23:49:05.3.6.3, 74:7N;71:31E, h0km, mb4.2, mpv4.1, Error ellipse: s-maj=29.8km s-min=25.1km az=156.0

IDC 01 23:49:19.9.6.8, 39:56N;71:50E, h167km, mb3.3/7, mbmp3.8/13, MS2.8/1, Error ellipse: s-maj=64.3km s-min=22.1km az=7.0

ISC 01 23:49:13.3.1.1, 37:9N;01:17.5E, 0.1, h150km, n29, r129/31, mb3.5/7, 4C-6D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AML, UCH, EKS2, KK31, KK31, AAK, AAK.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like AAK, CHMS, GBPR, etc.

RSNC 01 23:51:09.9-0.8, 18°N, 3'6"9W, h0km, mb4.3, ML3.3
NEIC 01 23:51:13.7-1.4, 18°46'N, 0°06'68"78W, 0.04
1103km, 11km, mb3.9/1, ML3.7/36, Mt3.4/23(RSPR), Error ellipse: s-maj=9.1km s-min=5.9km az=186.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like HIDR, MIDR, DR12, SMDR, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like MLPR, GBPR, AOPR, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like LALI, JAYA, CEVE, etc.

IDC 02 00:44:36.2-6.0, 37°52'N, 72°18'E, h183km, 39km, mb3.3/9,
s-min=22.3km az=11.0
Error ellipse: s-maj=53.9km

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like AML, EKS2, AAK, etc.

CATAC 02 00:38:28.8-0.7, 13°N, 5'9"0W, h26km, 4km, M3.9/22,
MLV3.9/22, Error ellipse: s-maj=11.8km s-min=5.4km

2d 1h

Table with columns: AKTO, AKTYBINSK, ZALV, ARTI, SONM, BRTR, NRK, FINES, ARCES, HFS, NB2, NOA, ESDC, YKA. Includes station names, coordinates, and status.

TXNET 02:00:47:17.6, 30:9N, 0:7:103.5W, 0:6, h5km, 1km, 1M2, 1/2, Error ellipse: s-maj=1.1km s-min=0.9km az=178.1, final, Western Texas

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists stations like TPB05, TPB06, TPB07, etc.

IDC 02 01:10:22.7, 0.8, 17:86N, 65:72W, h0km, mb3.8/10, mbmp3.8/11, ML3.2/1, Error ellipse: s-maj=27.3km s-min=7.6km az=26.0

RSNC 02 01:10:24.7, 0.4, 18:12N, 6:6W, h14km, 3km, M3.5, mb5.2, mb4.5, ML3.5, Mw(mb)4.5

NEIC 02 01:05:25.1, 1.5, 17:97N, 0:06:65:78W, 0:02, h20km, 8km, mb4.0/3, ML4.3/38, ML4.1/23(RSPR), Error ellipse: s-maj=8.9km s-min=1.5km az=192.0

RSPR 02 01:10:26.8, 18:00N, 65:83W, h14km, MD3.4/23, ISC 02 01:10:24.1, 1.1, 17:89N, 0:04:65:79W, 0:03, h11km, 6km, n107, r1539/125, mb3.9/12, 21-C-1D, Puerto Rico region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists stations like PDRP, HUMP, IGPR, SJG, etc.

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Table with columns: EMPR, Esperanza - Ma, UUPR, Utuado, UPR, P, etc. Includes station names and coordinates.

IDC 02 01:10:51.4, 3.5, 17:62S, 178:69W, h592km, 25km, mb2.9/3, mbmp3.7/4, Error ellipse: s-maj=255.6km s-min=29.4km az=159.0, Fiji Islands region

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

NEIC 02 01:13:11.2, 1.2, 13:01S, 0:10:45:3E, 0:1, h10km, 1km, mb4.4/19, Error ellipse: s-maj=21.6km s-min=13.3km az=57.0

IDC 02 01:13:17.8, 2.1, 13:44S, 44:96E, h0km, mb3.7/3, mbmp3.7/5, ML4.3/3, MS3.1/5, Error ellipse: s-maj=57.1km s-min=21.6km az=168.0

ISC 02 01:13:10.6, 0.6, 13:01S, 0:06:45:23E, 0:07, h10km, n38, r205/33, mb4.4/11, MS3.1/5, Northwest of Madagascar

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

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Table with columns: FINES, STKA, IDC 02 01:10:51.4, 3.5, 17:62S, 178:69W, h592km, 25km, mb2.9/3, mbmp3.7/4, Error ellipse: s-maj=255.6km s-min=29.4km az=159.0, Fiji Islands region

IDC 02 01:13:17.8, 2.1, 13:44S, 44:96E, h0km, mb3.7/3, mbmp3.7/5, ML4.3/3, MS3.1/5, Error ellipse: s-maj=57.1km s-min=21.6km az=168.0

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

IDC 02 01:13:10.6, 0.6, 13:01S, 0:06:45:23E, 0:07, h10km, n38, r205/33, mb4.4/11, MS3.1/5, Northwest of Madagascar

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

Table containing detailed data for 45 different locations, including names like Zelenaya, Bezymyanni-Gr, Semkarok, and others, with columns for dates, times, and various identifiers.

2d 1h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like 33M Jennings River, 534M Telegraph Cree, DLBC Dease Lake, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BRVK Borovoye, SUMG Summit, WAKR Walker, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like WUAZ Wupatki, AKTO Aktyubinsk, AB31 Akbulak array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Alice Springs, Asahikawa, WAKE ISLAND, etc.

CGC 02:17:45.3-0.3, 13.75N:91.34W, h65km, 94km, MD3.6, Near coast of Guatemala

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

SKHL 02:26:16.0-0.1, 46.40N:151.30E, h75km, 3km, mb4.5/2

IDC 02:26:19.9-2.3, 47.12N:150.42E, h180km, 22km, mb3.2/7

mbmp3.7/9, Error ellipse: s-maj=32.9km s-min=18.8km baz=134.0

ISC 02:26:16.6-0.8, 46.39N:02:150.4E:0.2, h167km, n21, c219/19, mb3.6/7, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Kuril'sk, 80nm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like SHO, NMR, SKR, etc.

IDC 02:29:21.5-2.0, 6.38S:148.76E, h9km, 11km, mb4.3/19

mbmp4.4/21, ML4.8/1, MS4.2/47, Error ellipse: s-maj=23.2km s-min=11.9km az=89.0

NEIC 02:29:27.0-1.4, 6.51S:0.06x148.74E:0.06, h35km, 2km, mb4.9/88, Error ellipse: s-maj=10.6km s-min=10.3km az=310.0

GCMT 02:29:28.0-0.2, 6.62S:0.01x148.83E:0.02, h24km, 1km, MV5.0/99, Moment Tensor Solution. s59.c77; s99.c146; Duration: 0 Moment tensor: Scale 10^19Nm; M2.68z.17; Mw=3.8z.11; Mw=1.17z.10; Mw2.64z.18; Mw0.90z.08; Mw1.85z.20; Best double couple: M4.72800x10^16 Np1.9z.253.00000; s3.00000; 1.46.00000; NP2.0z.121.00000; 869.00000; A.112.00000; Principal axes: T 4.3290, P1g0.0000, Azm2.93.0000; P -5.1290, P1g21.0000; Azm195.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 02:29:35.9-0.9, 7.7S:6.14E, h94km, 5km, M4.9/29, mb4.8/29, mb5.5/7, MLV5.0/1, Mw(mB)5.0/7

ISC 02:29:26.2-0.3, 6.50S:0.04x148.85E:0.05, h35km, n274, c152/254, mb4.9/87, MS4.3/50, 2C-5D, New Britain region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like ASAR, INKA, DZM, etc.

Table with columns: Station Name, Time, Res, and other details. Includes stations like HTMT Tiapaneco, PBVM Pinon, THVM De Xico, etc.

Table with columns: Station Name, Time, Res, and other details. Includes stations like WHAR Ozark Folk Cent, FCAR Great Sand Dun, OXF Oxford, etc.

Table with columns: Station Name, Time, Res, and other details. Includes stations like TOZ Motutapu North, MBAZ Awihitu Peninsula, WAZ Waipuu Caves, etc.

Table of station data for the left column, including station names like CVS, Carment Viney, and various other locations with their respective coordinates and status.

Table of station data for the middle column, including station names like MDPB, MMLB, Mammoth Lakes, and various other locations with their respective coordinates and status.

Table of station data for the right column, including station names like WARRAMUNGA ARR, ASAR, STKA, and various other locations with their respective coordinates and status.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KHZ Kahutara, RPZ Rata Peaks, CMAR Chiang Mai Arr, etc.

IDC 02 06:34:39.0, 1.0, 14.43N, 55.69E, h0km, mb3.9/14, mbmp3.9/14, ML1.5/1, MS3.3/14, Owen Fracture Zone

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DMTO DMTO, RBK Rabkut, WHFO Wadi Hawf, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BVAR 0.5nm,0.4s, KURBB Kurchatov Arra, LSZ Lusaka, etc.

SOME 02 06:49:41.2, 42.13N, 80.40E, h20km, NNC 02 06:49:43.6, 2.1, 42.33N, 80.38E, h0km, mb3.6, mpv3.4, Error ellipse: s-maj=13.7km s-min=10.6km az=143.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS Shalkode, PDGK Podgorovje, ANVS Ananyev, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAKZ Makanchi, MK31 Makanchi Array, MRKS Merke, etc.

IDC 02 06:54:07.5, 3.0, 14.61N, 55.82E, h0km, mb3.7/5, mbmtmp3.7/5, MS3.2/6, Error ellipse: s-maj=73.1km s-min=33.2km az=179.0, Owen Fracture Zone region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASF Jabal al Asfar, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

NOU 02 06:55:34.5, 33.46S, 138.40E, h0km, MLV3.3/13, Near Coast of South Australia

AUST 02 06:55:35.0, 0.2, 33.5, 2, 13.8E, h3km, 1km, ML3.0/11, Error ellipse: s-maj=4.7km s-min=3.3km az=34.0

IDC 02 06:55:38.1, 6.4, 32.83S, 138.42E, h0km, mbmp2.9/3, ML3.0/3, Error ellipse: s-maj=76.2km s-min=21.5km az=10.0

ISC 02 06:55:35.2, 0.8, 33.39S, 0.04, 138.42E, 0.03, h10km, n37, r154/41, Near coast of South Australia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NAPP Napperby, PTSP Port Pirie, SHLS Shalkode, etc.

IDC 02 07:03:17.7, 1.5, 54.25N, 56.04E, h0km, mb3.8/7, mbmp3.8/7, MS3.3/12, Error ellipse: s-maj=38.0km s-min=29.4km az=72.0

NEIC 02 07:03:22.6, 1.1, 14.78N, 0.10, 56.0E, 0.2, h10km, 2km, mb4.5/11, Error ellipse: s-maj=28.1km s-min=16.7km az=93.0

ISC 02 07:03:22.0, 0.7, 14.73N, 0.09, 56.0E, 0.1, h18km, n40, r151/24, mb4.0/13, MS3.3/12, Owen Fracture Zone

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like UOSS Minazif, ATD Arta Tunnel, RAYN Ar Rayn, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AB31 Akbulak array, ABKAR Akbulak array, AKTO Aktyubinsk array, ALN Alexandroupoli, MAKZ Makanchi, MKAR Makanchi Array, MKAR Makanchi Array.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BVAR Borovoye Array, KURBB Kurchatov Arra, CMAR Chiang Mai Arr, AKASG Malin Array, ZAAO Zalesovo Array, ZAAO Zalesovo Array.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, GURCA Gualdo di Mace, NRMCA Norcia, BOSAS Boshof, BOSAS Boshof, BOSAS Boshof.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, WRA Warramunga Arr, WRA Warramunga Arr.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, ASAR Alice Springs, PETK Petropavlovsk, CASY Casey, IDC 02 07:05:47.71.9, 32.929Sx178.56W, h0km, mb4.0/3, s-min=33.2km az=59.0, Error ellipse: s-maj=46.8km.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, URZ Urewera, ASAR Alice Springs, WRA Warramunga Arr, GQSA South Pole Qui, FINES FINES Array B.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JYRO Yoronjima, JOKE Okinoerabujima, JOW Kunigami, JOW Kunigami, JOW Kunigami, JOW Kunigami.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JWK Tokunoshima, JNTH Nagotoyohara, JNTH Itheya, JAMN Amininshikomi, JAMN Kikaishima, JKDJ Kitadaitoujima.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JKDJ Minamidaito 2, JMTN Tamaagusuku 3, JMTN Amami Oshima, JAGN Aguni-jima, JKE Kume jima 2, JYAK Yakushimahirau.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JMTN Minamitane, JNU Nakatsue, KSR5 Korea Array, KSR5 Korea Array, USRK Ussuriysk Arr, KAPI Kappang, SEY Seychan.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, IDC 02 07:23:02.3.2.1, 32.925Sx178.50W, h0km, mb3.8/3, s-min=37.2km az=64.0, Error ellipse: s-maj=49.4km.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, URZ Urewera, URZ Urewera.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, GQSA South Pole Qui, H10N1 ASCENSION HYDR6.69 157 T, H10N2 ASCENSION HYDR6.70 157 T.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H10N2 ASCENSION HYDR6.71 157 T, FINES FINES Array B, IDC 02 07:25:18.8.1.0, 85.129N, 86.76E, h0km, mb3.4/8, mbtmp3.6/10, ML3.7/2, MS3.3/30, Error ellipse: s-maj=28.4km s-min=17.4km az=106.0.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NEIC 02 07:25:19.8.1.3, 85.2N, 0.1, 85.4E, h1.0km, 1km, mb4.1/20, Error ellipse: s-maj=21.7km s-min=13.3km az=174.0, FCJAR 02 07:25:24.0.85.19N, 90.85E, h10km, station OMEGA has station magnitude of 3.60 station SVZ has station magnitude of 3.50.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ISC 02 07:25:19.7.0.6, 85.29N, 0.06, 85.69E, h10km, n62, c=29.039, mb4.1/18, MS3.3/29, North of Severnaya Zemlya, Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ARCES ARCES Array B, RES Resolvo Bay, SUMG Summit, SCO Oresbyysk, A36M Sachs Harbour, A36M Teshekpuk Lake.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like B22K B22K, C24K Franklin Bluff, C24K Franklin Bluff, C27K Iago River, D24K Happy Valley, D24K Happy Valley.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like C36M Paulutuk, E23K Chandalar, E23K Chandalar, E24K Your Creek, E24K Your Creek, E29M Blow River.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like INK Inuvik, F20K Avaraart Lake, F20K Avaraart Lake, F30M Barrier River, F31M Tsigheitchik, SFJD Kangerlussuaq.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like G31M Satah River, NOA NORSAR Array B, ILAR Eielson Array, ILAR Eielson Array, HFS Hagfors, V17K VABM Dome, ARTI Arti.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BCAR Beaver Creek A, BCAR Beaver Creek A, BCAR Beaver Creek A, BCAR Beaver Creek A, ZALV Zalesovo Beam, YKA Yellowknife Arr.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like YKA Yellowknife Arr, BVAR Borovoye Array, BVAR Borovoye Array, KURBB Kurchatov Arra, KURBB Kurchatov Arra, KDAD Kodiak Island.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AKTO Aktyunsk, DLBC Dease Lake, PETK Petropavlovsk, KLR Kul'dur, SONM Songjo Array, SONM Songjo Array, MKAR Makanchi Array, VRAC Vranov, BBB Bella Bella.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HHC Hu-ho-hao-te, NEW Newport, GNI Ganni, PDAR Pinedale Array, TKL Takahele C.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PFO Pinyon Flats O, BRDH Bariatadale, TXAR Lajitas Array, TXAR Lajitas Array, LPIG La Paz.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NEIC 02 07:41:43.4.1.9, 19.3S, 0.1, 177.3W, 0.2, h56.5km, 6km, mb4.2/11, Error ellipse: s-maj=25.0km s-min=12.6km az=127.0, IDC 02 07:41:44.8.2.1, 19.29Sx177.54W, h573km, 20km, mb3.0/6, mbtmp4.0/8, Error ellipse: s-maj=24.5km s-min=19.8km az=78.0.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ISC 02 07:41:42.4.0.7, 19.4S, 0.1, 177.4W, 0.1, h550km, n27, c=1905.279, mb4.0/12, Fiji Islands Region, MSVF Nonsavu, AFI Afimalau, MRZ Urengai, URZ Warramunga Arr.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TOO Toolangi, STKA Stephens Creek, BBOO Bucklebo, WBO Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Cross, JGF Kuroka, GQSA South Pole Qui, GQSA South Pole Qui.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BELA Belgrano, L16K Ohwat River, L18K Granite Mounta, L18K Granite Mounta, SCM Sheep Creek Mts.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ILAR Eielson Array, BVAR Borovoye Array, ARCES ARCES Array B, BRTR Keskin Arr, MMAI Mount Meron Arr, GERES GERES Array B.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NEIC 02 07:57:58.9.1.2, 30.47N, 0.08, 103.16E, 0.08, h10km, 1km, mb4.7/10, Error ellipse: s-maj=12.9km s-min=11.9km az=196.0, BUI 02 07:57:59.2, 30.39N, 102.99E, h14km, mb4.8/16, mb4.5/46, ML4.6/25, Ms4.4/58, Ms7.4/256, MOS 02 07:58:00.4, 1.1, 30.39N, 103.15E, h41km, mb4.8/42, Error ellipse: s-maj=7.1km s-min=4.7km az=123.0.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IDC 02 07:58:02.7, 1.6, 30.38N, 103.03E, h49km, 14km, mb4.0/25, mbtmp4.2/27, ML4.2, MS3.7/26, Error ellipse: s-maj=7.1km s-min=10.5km az=52.0, ISC 02 07:57:58.3.0.3, 30.47N, 0.03, 103.12E, 0.03, h10km, n541, c=1832/553, mb4.6/12, MS3.8/35, 122, Sichuan, Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CD2 Chengdu, PZH PanZhihua, PZH PanZhihua, PZH PanZhihua, PZH PanZhihua, PZH PanZhihua, PZH PanZhihua.

Table with columns: ARTI, Arti, comp, 40.50, 323c, iP, P, 08 05 40.5, +3.3, 08 07 13.0, etc.

Table with columns: AS31, Alice Springs, 61.40, 148, P, 08 08 14.1, -0.7, 08 08 14.5, -0.3, etc.

Table with columns: GCSA, Galena City Sc, 66.96, 27, P, 08 08 50.7, -0.1, L16K, Owhat River, 67.01, 31, P, etc.

2d 8h

2019 MAY

Table with columns: ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Azimuth Error, Elevation Error. Includes stations like Koktuh Hills, Styx River, Christian River, etc.

Table with columns: ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Azimuth Error, Elevation Error. Includes stations like Pine Creek, HAARP, Glacier Island, etc.

Table with columns: ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Azimuth Error, Elevation Error. Includes stations like Bob Quinn, Yellowknife Ar, etc.

ISC 02 08:00:26.9 ± 1.4, 49.65N, 0.10 × 17.85E, 0.06, h10km, n5, 2566G, Czech and Slovak Republics

IDC 02 08:10:05.6 ± 2.2, 19.44S × 177.51W, h567km, 21km, mb2.9/4, mtdmp4.0/6, Error ellipse: s-maj=30.4km s-min=21.6km

ISC 02 08:10:03.6 ± 1.2, 19.45S, 0.2 × 177.2W, 0.2, h550km, n7, 1847J, P, mb3.5/4, Fijil Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Azimuth Error, Elevation Error. Includes stations like Nonsavu, Urewera, Warramunga Arr, etc.

ISK 02 08:10:25.5, 38.36N, 42.51E, h12km, ML2.5/9

AFAD 02 08:10:25.8, 38.27N, 42.50E, h10km, 3km, ML2.8

ISC 02 08:10:25.6 ± 1.0, 38.32N, 0.03 × 42.52E, 0.02, h12km, gkm, n21, c057/36, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Azimuth Error, Elevation Error. Includes stations like Bitlis-Merkez, Siirt/Pervari, etc.

GCG 02 08:14:11.5 ± 0.4, 14.26N, 91.14W, h79km, 5km, MD3.5, Guatemala

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Azimuth Error, Elevation Error. Includes stations like El Palmar, Qui, etc.

CATAC 02 08:15:45.7 ± 0.5, 13.13N, 87.7W, h11km, 5km, M2.6/11, MLV2.6/11, Error ellipse: s-maj=12.6km s-min=4.0km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MORF Marnelete, PTEO Sao Teonito, PFVI Vila Bisbo, etc.

KRNET 02 08:37:39.0, 1.42, 202N, 79.45E, h26km, mb2.2
NNC 02 08:37:39.8, 2.2, 42.61N, 79.14E, h0km, mb2.8, mpv2.6

SOME 02 08:37:39.1, 42.57N, 79.08E, h10km
ISC 02 08:37:36.5, 2.2, 42.24N, 0.08, 79.56E, 0.09, h29km, 13km, n21, c211/36, 8C-4D, Lake Issyk-Kul region

Main table of station data for the 2d 9h period, including codes, station names, and various parameters.

ISC 02 08:55:04.8, 1.0, 36.53N, 70.87E, h0km, mb3.9/7, mbmp3.9/13, ML3.5/6, MS2.8/4, Error ellipse: s-maj=20.8km s-min=17.2km az=127.0

NNC 02 08:55:12.4, 7.2, 37.07N, 70.45E, h0km, mb4.2, mpv4.1, Error ellipse: s-maj=62.0km s-min=42.0km az=159.0

ISC 02 08:55:13.9, 1.0, 36.79N, 0.10, 70.6E, 0.1, h64km, n27, c172/29, mb3.7/7, 2C-4D, Hindu Kush region

Table of station data for the 2d 9h period, including codes, station names, and various parameters.

Table of station data for the 2019 MAY period, including codes, station names, and various parameters.

AFAD 02 08:59:24.0, 38.12N, 26.57E, h7km, 2km, ML1.8, Aegean Sea

Table of station data for the AFAD 02 08:59:24.0 event, including codes, station names, and various parameters.

ISK 02 08:59:49.3, 39.76N, 26.22E, h0km, ML1.5/6, Suspected Mining explosion, Turkey

Table of station data for the ISK 02 08:59:49.3 event, including codes, station names, and various parameters.

NNC 02 09:21:34.0, 8.2, 36.93N, 70.44E, h220km, 118km, mb2.7, mpv3.8, 4C-4D, Error ellipse: s-maj=83.1km s-min=58.3km az=2.0, Hindu Kush region

Table of station data for the NNC 02 09:21:34.0 event, including codes, station names, and various parameters.

JMA 02 09:36:56.9, 0.1, 25.1N, 122.8E, 0.8, h25km, 3km, 0.1, 8/6, NW OFF ISHIGAKIJIMA IS

TAP 02 09:36:57.4, 24.69N, 122.72E, h16km, 1km, ML2.5, D

ISC 02 09:38:55.6, 1.2, 24.75N, 0.04, 122.74E, 0.103, h10km, 9km, n45, c058/88, Taiwan region

Table of station data for the JMA 02 09:36:56.9 event, including codes, station names, and various parameters.

Table of station data for the 2019 MAY period, including codes, station names, and various parameters.

AFAD 02 09:37:17.4, 40.83N, 28.72E, h7km, 5km, ML1.5, Turkey

Table of station data for the AFAD 02 09:37:17.4 event, including codes, station names, and various parameters.

ISC 02 09:54:54.6, 1.0, 19.18N, 69.65W, h87km, 4km, MD3.4, ML3.1, MW3.2

OSPL 02 09:54:57.4, 2.4, 18.89N, 69.67W, h85km, 14km, ML2.7

ISC 02 09:54:54.5, 1.5, 19.00N, 0.07, 69.61W, 0.03, h86km, 8km, n18, c123/34, Dominican Republic region

Table of station data for the OSPL 02 09:54:57.4 event, including codes, station names, and various parameters.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ABDR, SC01, PCDDR, etc.

Table with columns: NDS, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Heping Village, ILA, EGS, etc.

Table with columns: SSSLB, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Yuchir, Dajia District, Taichung, etc.

RSNC 02 10:03:08.3:0.0, 10°N, 4°W, h20km, M2.9, mB4.9, mB4.2, ML2.9, Mw(mB)4.2

UPA 02 10:03:09.6:0.0, 9.43N, 78.20W, h14km, m3.4km, ML3.4

ISC 02 10:03:05.5:1.6, 9.622N, 0.07:78.10W, 0.02, h19km, 4.0km, n16, 0.98/31, 1D, Panama

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CNA3, CHPO, CAPC, etc.

Table with columns: NNS, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Mucha, Wu-fen Shan, Wu-fen Shan, etc.

Table with columns: WTK, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Tuku, Ta-cheng, Minshung, etc.

CGC 02 10:17:53.2:1.4, 15.30N, 91.62W, h236km, 10km, MD4.4, Mexico-Guatemala border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Huehuetenango, SOKI, THIG, etc.

Table with columns: TWS1, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Wufeng Townshi, Taoyuan, Shoufeng, etc.

Table with columns: TTT, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Taitung, Jiashian, Tawu, etc.

NIED 02 10:44:42.4:24.24N, 121.91E, h60km, MW4.4, Moment Tensor Solution, s3 Moment tensor: Scale 10^15Nm;

MOS 02 10:44:42.6:0.9, 24.46N, 122.11E, h68km, mB4.7/22 Error ellipse: s-maj=11.5km s-min=6.6km az=106.6

NEIC 02 10:44:42.2:3, 24.47N, 0.04:121.99E, 0.02, h35km, 2km, mB4.5/26, Error ellipse: s-maj=7.6km s-min=3.4km az=191.0

JMA 02 10:44:42.0:2, 24.4N, 0.5:121.9E, 0.6, h60km, 2km, MD4.4/17, MV4.4/17, TAIWAN REGION

ASIES 02 10:44:43.0, 24.49N, 121.94E, h41km, ML4.9, Mw4.4, Moment Tensor Solution, Moment tensor: Scale 10^22Nm;

BUI 02 10:44:43.1, 24.50N, 122.00E, h42km, mB4.4/11, mB4.3/31, ML4.4/8, Ms3.9/19, Ms7.3/721

TAP 02 10:44:43.0, 24.49N, 121.94E, h41km, ML4.9/B, h5N

ISC 02 10:44:42.8:0.5, 24.49N, 0.02:121.97E, 0.02, h45km, 3km, n590, c1941/660, mB4.4/87, MS3.5/17, 29C-36D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ESAO, TWC, EWUT, etc.

Table with columns: WHP, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Taichung City, Guangfu, Hsinchu, etc.

Table with columns: LYLUB, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Lan-yu, Shizu, Hengshuancun, etc.

2d 10h

Table with columns for station code, name, coordinates, elevation, and various performance metrics (LR, Pn, P, S, Smax, etc.). Includes stations like QZH, KNM, ASXP, JOW, NJ2, JIMZ, WHN, TGU, JNY, JNU, QIZ, QIAZ, JMN, KSRs, KSRs, HNS, HNS, CD2, DAV, PZH, PZH, MJB9, MAJO, MAJO, MJAR, MJAR, HHC, HHC, HHC, HHC, BTO, BTO, BTO, LZH, LZH, LZH, MSHR, MSHR, USRK, USRK, USRK, CMAR, CMAR, SBUM, GTA, GTA, GTA, GTA, JKA, KLR, KLR, KLR, HEH, HEH, GOMU, GOMU, ULN, ULN, ULN, ULN.

2019 MAY

Table with columns for station code, name, coordinates, elevation, and various performance metrics (SONM, IAMB, P, Pmax, etc.). Includes stations like SONM, SONM, SONM, KAPI, ZEA, WMO, YAK, YAK, YAK, MK31, MKAR, MKAR, MAZK, MAZK, MAZK, PETK, ZAAO, ZAAO, ZALV, ZALV, ZALV, MA2, KURK, KURK, KURK, KURB, AAK, AAK, AAK, PALK, WRAB, WRAB, WRA, WRA, KK31, KK31, KK31, TIXI, TIXI, TIXI, BVAR, BRVK, BRVK, BRVK, ASAR, NRIK, NRIK, NRIK, NRIK, BILL, BILL, ABKAR, ABKAR, SVE, SVE, ARTI, ARTI, ARTI, SPIA, GAMB, P08K, NIKH, TNA, UNV, M11K, KIRV, F14K, ANM, K13K, C16K, F15K, G15K, J14K, L14K, D17K, RDOG, G16K, H16K, M14K, S12K, E17K, K15K, B18K, F17K, O14K, C18K, I17K, G17K.

Table with columns for station code, name, coordinates, elevation, and various performance metrics (J16K, M15K, E18K, E18K, H17K, N15K, F18K, SDPT, DZM, DZM, J17K, G18K, M16K, S14K, H18K, N16K, D19K, K17K, L17K, F19K, E19K, E19K, O16K, G19K, G19K, CHGN, D20K, D20K, M17K, GCSA, E20K, H19K, J18K, N17K, R16K, L18K, O17K, F20K, A22K, C21K, J19K, J19K, Q16K, B21K, P17K, M18K, N18K, H20K, GNI, E21K, B22K, I20K, NCK, NCK, L19K, F21K, O18K, J20K, G21K, G21K, K20K, K20K, D22K, M19K, N19K, KBZ, KBZ, CHIR, L20K, KIV, KIV, O19K, H21K, H21K, SHA1, F22K, E22K, E22K, M20K, C23K, G22K, CHUM, D23K, D23K, Q19K.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes entries like H22K Ishtalinta Cre, CAST Castle Rocks, PPLA Purkeypille, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes entries like G27K Doyon Strip, N25K Chitina, Valde, MENT Mentasta, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes entries like H31M Peel River, M30M Minto, Yukon, M30M Minto, Yukon, etc.

HEL Q2 10:55:35.1±0.1,64:12N:28:13E,h0km,ML1,4, Explosion,Finland

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, and other parameters. Includes entries like NIF Nilsia, RMF Romuvaara, OUL Oulu, etc.

Table of meteorological data for station YBh (Yreka Blue Hor) and others in the first column, including time, res, and other parameters.

HELI 02 11:31:12.2, 0.1, 63.98N:28.06E, h0km, ML1.7, Suspected explosion
IDC 02 11:31:13.2, 1.1, 63.95N:28.41E, h0km, mlbtp3.0/3, ML1.9/3, Error ellipse: s-maj=30.5km s-min=6.3km sz=10.0

Table of meteorological data for stations including NIF Nilsia, RNF Romuvaara, and others in the second column.

NEIC 02 11:34:01.9, 1.3, 9.74N:0.07:126.58E:0.08, h19km, 5km, bz=52.0, Error ellipse: s-maj=14.4km s-min=6.6km sz=52.0

Table of meteorological data for stations including DAV Davao City (W), DAV Davao City (E), and others in the third column.

NSNC 02 11:34:01.9, 1.3, 9.74N:0.07:126.58E:0.08, h19km, 5km, bz=52.0, Error ellipse: s-maj=14.4km s-min=6.6km sz=52.0
DJA 02 11:34:11.0, 0.9, 10.1°N, 6.12°E, h85km, 8km, M4, 7/14, mb4.5/14, mb5.8/1, MLv4, 8.2, Mw(mb)5.4/1

Table of meteorological data for stations including WRA Warramunga Arr, WRA Warramunga Arr, and others in the fourth column.

UPA 02 12:13:34.6:0.5, 8.97N:77.76W, h44km, 939km, MW4.0
RSNC 02 12:13:35.0:0.9, 9.1°N, 7.8°W, h62km, 6km, M3.2, mb5.1, mb4.0, ML3.0, Mw(mb)4.4

IDC 02 12:13:38.1:4.0, 9.00N:0.04:77.77W:0.03, h31km, 14km, n33, c131/61, Panama-Columbia border region
Code Station Name Az AZZ Phase ID Time Res

2d 12ch

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CACAO, CBOC, ARGC, etc.

NEIC 02 12:20:54.9-1.2, 21:3S:0.2x176.9W:0.1, h165km, gkm, mb4.5/29, Error ellipse: s-maj=21.9km s-min=14.4km az=170.0

IDC 02 12:21:04.7-3.1, 21:63S:1.76x197W, h267km, 2.7km, mb3.5/7, mbmp4.1/9, Error ellipse: s-maj=25.3km s-min=18.1km az=115.0

ISC 02 12:21:04.7-0.7, 21:63S:1.1x176.9W:0.1, h267km, n48, o=85/46, mb4.3/21, Fiji Islands region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSVF, NIUE, DZM, etc.

STR 02 12:23:41.9-0.5, 45°N, 3°E, h0km, MLV1.0, Error ellipse: s-maj=0.0km s-min=0.0km az=10.4, preliminary, France

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GRN, ORIF, OGS, etc.

IDC 02 12:31:30.8-2.0, 48°19'N x 154°00'E, h0km, mb3.6/3, mbmp3.6/5, ML3.1/2, Error ellipse: s-maj=45.9km s-min=31.6km az=115.0, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PETK, ASAJ, H1N2, etc.

IDC 02 12:34:05.8-1.3, 35°27'S x 72°50'W, h0km, mb3.9/2, mbmp3.8/5, ML3.8/3, Error ellipse: s-maj=32.7km s-min=17.2km az=97.0

SJA 02 12:34:09.2-0.7, 35°33'S x 72°31'W, h65km, 4km, ML3.8, MW3.8

GUC 02 12:34:11.9-0.8, 35°33'S x 72°18'W, h55km, 5km, ML3.8

ISC 02 12:34:12.0-1.0, 35°32'S x 72°24'W, h50km, 10km, n51, o=102/72, SC, Near coast of central Chile

Main station list table for the 2019 MAY section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GO05, ML02, BO03, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CO03, CFA, CFA, etc.

IDC 02 12:40:13.9-1.8, 18°05'N x 0°03'69.29'W, h11km, 4km, mb4.4/52, Error ellipse: s-maj=5.3km s-min=1.9km az=204.0

SDD 02 12:40:13.4-4.7, 17°98'N x 69°33'W, h21km, 62km, MD4.1, ML4.5, MW4.5

OSP 02 12:40:15.7-2.7, 18°02'N x 69°32'W, h25km, 17km, ML4.3

IDC 02 12:40:17.9-2.4, 17°83'N x 69°45'W, h75km, 22km, mb3.6/17, mbmp4.0/20, MS3.5/32, Error ellipse: s-maj=17.8km s-min=12.6km az=74.0

ISC 02 12:40:17.1-1.0, 17°99'N x 0°03'69.27'W, h30km, 7km, n199, o=175/211, mb4.3/35, MS3.5/29, 16C-7D, Dominican Republic region

Main station list table for the 70 section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPM1, SDD, SDD, etc.

2d 15h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, P, H, I, M, L, S, I, S, C. Includes stations like PLNA, VITOSHA, SOF, PANAGYURISHTA, etc.

NEIC 02 13:37.36-0.5, 19.29N-0.07-155.42W-0.06, h35km, 12km, Error ellipse: s-maj=11.4km s-min=7.1km az=204.0

HVO 02 13:37.39-0.6, 19.24N-0.07-155.39W-0.07, h30km, 2km, M-L2.6/35, ML2.8/42(NEIC), Error ellipse: s-maj=10.5km s-min=8.7km az=146.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, P, H, I, M, L, S, I, S, C. Includes stations like HTC, HLP, HIINA PALI, etc.

2019 MAY

Table with columns: P, H, I, M, L, S, I, S, C, Time, Res, P, H, I, M, L, S, I, S, C. Includes stations like HPO, HATHI, HATHI, etc.

STR 02 14:05.47-1.7, 45.1N-7.45E, h0km, MLV1.3/7, Error ellipse: s-maj=0.0km s-min=0.0km az=110.4, preliminary, France

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, P, H, I, M, L, S, I, S, C. Includes stations like GRENOBLE, ORIS-EN-RATTIE, etc.

ISC 02 14:14:56.6-4.3, 19.42N-146.82E, h56km, 40km, mb3.6/13, mbmp3.9/16, ML3.9/3, MS2.9/1, Error ellipse: s-maj=28.6km s-min=17.0km az=78.0

ISC 02 14:14:55.1-0.8, 19.46N-146.9E-0.2, h39km, n19, -0.92/16, mb3.8/13, Mariana Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, P, H, I, M, L, S, I, S, C. Includes stations like GUMO, MJAR, H1S3, etc.

SONM Songoing Array 43.27 320 P 14 22 54.1 +1.1

ASAR Alice Springs 44.70 197 P 14 23 02.9 -1.6

ZALV Zalesovo Beam 58.11 322 P 14 24 44.5 0.0

MKAR Makanchi Array 58.76 313 P 14 24 48.8 -0.4

NRK1 Noril'sk 61.29 340 P 14 25 05.9 -0.2

KURBB Kurchatov Arra 61.52 318 P 14 25 07.5 -0.5

ILAR Gleason Array 62.47 26 P 14 25 12.8 -1.3

BVAR Borovoye Array 66.62 320 P 14 25 41.1 -0.3

YKA Yellowstone Ar 76.79 28 P 14 26 42.4 +0.4

NVAR Mina Array Bea 81.78 52 P 14 27 11.7 +1.2

FINES FINES Array B 86.67 336 P 14 27 34.1 -0.4

TXNET 02 14:21:01.3, 31.6N-0.8-104.6W-0.7, h4km, 1km, ML2.1/5, 1C, Error ellipse: s-maj=1.2km s-min=1.0km az=168.6, final, Western Texas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, P, H, I, M, L, S, I, S, C. Includes stations like TPB11, GDL2, PECS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, P, H, I, M, L, S, I, S, C. Includes stations like MNTX, TPB10, CLNB, etc.

IDC 02 14:42:35.4-39.0, 7.815S-164.44E, h0km, mb4.1/4, mbmp4.1/4, MS2.5/1, Error ellipse: s-maj=1334.0km s-min=51.9km az=161.0, Santa Cruz Islands region

HNR Honiara 4.73 250 LR 14 45 39.7

CMAR Chian Mei Arr 69.66 239 P 14 53 47.4 0.0

ILAR Eielson Array 80.88 19 P 14 54 51.0 0.0

ZALV Zalesovo Beam 90.19 324 P 14 55 37.7 +0.1

MKAR Makanchi Array 90.29 317 P 14 55 38.2 -0.1

NEIC 02 14:43:16.5-2.3, 47.59N-0.01-122.69W-0.02, h5km, 1km, Error ellipse: s-maj=2.9km s-min=2.2km az=266.0

SEA 02 14:43:16.9-2.6, 47.59N-0.01-122.70W-0.02, h2km, 6km, ML2.0/15, ML1.8/12(NEIC), Error ellipse: s-maj=2.0km s-min=1.4km az=57.0, Washington

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, P, H, I, M, L, S, I, S, C. Includes stations like GMW, KTM, GNW, etc.

ISC 02 14:45:51.0-0.8, 19.46N-146.9E-0.2, h39km, n19, -0.92/16, mb3.8/13, Mariana Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, P, H, I, M, L, S, I, S, C. Includes stations like D05A, H43, TTW, etc.

MEX 02 14:59:03.5-0.6, 14.68N-92.47W, h81km, 34km, MD3.6

CGC 02 14:59:03.9-0.3, 15.08N-92.40W, h46km, 25km, MD3.6

ISC 02 14:59:59.6-2.5, 14.77N-93.92W-0.2, h103km, 22km, n8, -156/14, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, P, H, I, M, L, S, I, S, C. Includes stations like PATR, PAV, PAVE, etc.

HEL 02 15:05:07.8-0.1, 66.39N-22.85E, h0km, ML1.3, Explosion

IDC 02 15:05:07.4-1.9, 66.33N-22.94E, h0km, mbmp2.8/2, ML1.7/2, Error ellipse: s-maj=45.4km s-min=10.4km az=89.0

ISC 02 15:05:06.9-0.8, 66.37N-0.02-22.88E-0.03, h0km, m24, -1905/36, Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, P, H, I, M, L, S, I, S, C. Includes stations like ERTU, ERTO, KALU, etc.

PAJU Pajala 0.66 8 PG 15 05 18.8 -0.7

PAJU KLF 0.97 26 PG 15 05 24.8 -0.6

KLF comp=Z, 1.9nm, 0.2s MSG 15 05 37.1

RNF Rovaniemi 1.28 78 PG 15 05 37.2 -0.7

RNF Ranu 1.63 101 PG 15 05 38.8 +0.1

RANF Ranu 1.80 135 SG 15 05 58.1 -0.3

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

IDC 02 15:07:04.7z.3.5, 8:00S:117.20E, h270km, mb2.8/3, mbtmp3.5/4, Error ellipse: s-maj=138.4km, s-min=18.7km az=47.0, Baili Sea

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

IDC 02 15:10:04.3z.4.4, 29.78N:141.56E, h0km, mb3.4/3, mbtmp3.3/4, ML2.5/1, Error ellipse: s-maj=183.2km, s-min=24.0km az=74.0, Southeast of Honshu

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

IDC 02 15:19:37.4z.5.1, 18.66S:175.49W, h0km, mb4.0/4, mbtmp4.0/4, Error ellipse: s-maj=107.4km, s-min=47.9km az=76.0, Tonga Islands

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

IDC 02 15:39:26.3z.1.1, 29.96N:50.71E, h0km, mb3.8/9, mbtmp3.7/12, ML3.5/3, MS3.0/3, Error ellipse: s-maj=24.2km, s-min=20.3km az=139.0, TEH 02 15:39:29.3z.0.9, 29.91N:50.96E, h12km, mb4.0/4, THR 02 15:39:29.4z.0.0, 29.95N:50.88E, h10km, mb4.0/4, OMAN 02 15:39:30.0z.0.9, 29.76N:50.99E, h10km, mb4.5/10, mb3.5/1, Error ellipse: s-maj=8.8km, s-min=5.3km az=4.0, ISC 02 15:39:29.6z.0.6, 29.90N:50.94E:0.04, h22km, n97, z=28199, mb3.8/9, Southern Iran

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

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IQOM, KRBR, VARAMIN, etc.

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

UCR 02 15:52:11.3z.1.3, 9.24N:82.52W, h1km, 11km, MW3.9, UPA 02 15:52:12.8z.1.8, 9.13N:82.50W, h0km, 5km, ML3.7, MW3.5, ISC 02 15:52:09.0z.1.3, 9.31N:82.39W:0.04, h8km, 11km, n42, z=69523, 3C-7D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LNBO3, BCP3P, BCP3, etc.

SJA 02 16:38:21.8z.0.6, 25.93S:71.07W, h37km, 2km, ML3.6, MW4.0, GUC 02 16:38:25.7z.0.4, 26.01S:70.69W, h43km, 1km, ML3.5, IDC 02 16:38:33.4z.3.4, 19.64S:68.46W, h490km, 22km, mb3.6/1, mbtmp3.8/5, Error ellipse: s-maj=70.8km, s-min=38.9km, az=25.0, ISC 02 16:38:23.9z.1.1, 25.93S:70.02z.70:85W:0.06, h33km, 3km, n36, z=195952, 2C, Near coast of Northern Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AC01, AC01, AC01, etc.

Table with columns: PTH, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Time/Res. Includes stations like Pithoragarh, Makanchi, and Kurchatov.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Time/Res. Includes stations like TIKSI, Grafenberg, and Spitsbergen.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Time/Res. Includes stations like Diego Aracena, IPOC Station, and Huaiquique.

2d 18h

Table with columns for code, station name, time, phase, ID, time, and response. Includes stations like Curacav, San Alfonso, Talagante, etc.

Table with columns for code, station name, time, phase, ID, time, and response. Includes stations like HarIRAQ, Makgori, Lobatse, etc.

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Table with columns for code, station name, time, phase, ID, time, and response. Includes stations like SKOMA, LHPEP, LPHPEP, etc.

NEIC 02 17:59:52.1±0.8, 60.97N/0.04±151.07W, 0.09, h0km, 1km, Error ellipse: s-maj=6.0km s-min=5.7km az=87.0

AEIC 02 17:59:52.2±1.0, 60.97N/0.04±151.11W, 0.08, h69km, 3km, ML2.8, ML3.0, 1.475(NEIC), Error ellipse: s-maj=5.4km s-min=5.3km az=87.0, Kenai Peninsula

Table with columns for code, station name, time, phase, ID, time, and response. Includes stations like CAPN, FIS, SUA, STLK, etc.

Table with columns for code, station name, time, phase, ID, time, and response. Includes stations like M19K, GLI, PPLA, etc.

ISC 02 18:02:24.0±2.4, 31.83N/139.11E, h0km, mb3.2/2, mbtmp3.3/3, ML2.6/1, Error ellipse: s-maj=193.9km s-min=26.6km az=86.0

JMA 02 18:02:27.9±0.6, 32°N/2°14'1"E, h31km, MV3.0/1, E OFF HACHUJIMA ISLAND

ISC 02 18:02:26.2±1.4, 32.13N/108.140E, 0.1, h35km, n10, s15/15, Southeast of Honshu

Table with columns for code, station name, time, phase, ID, time, and response. Includes stations like JAOM, HJ26, BOSO, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array, etc.

IDC 02 18:24:16.2, 1.4, 2.38N, 127.43E, h0km, mb3.5/6, mbtmp3.6/6, Error ellipse: s-maj=103.3km s-min=19.0km az=60.0

DJA 02 18:24:23.2, 1.3, 2.2N, 3.12E, h12km, 1.1km, M3.9/12, mb4.9/1, mb4.2/3, MLv3.8/12, Mw(m)4.2/1

ISC 02 18:24:23.2, 1.1, 2.27N, 0.08, 127.3E, 0.1, h50km, n12, r16/14, mb3.5/5, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include TNTI Ternate, SGTI Sangihe, SANI Sanana, etc.

IDC 02 18:43:19.5, 14.0, 29.61N, 143.81E, h0km, mb3.3/2, mbtmp3.3/3, ML2.4/1, MS3.8/1, Error ellipse: s-maj=527.0km s-min=33.9km az=72.0, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include MJAR Matsushiro Arr, BRDH Briardhala, MKAR Makanchi Array, etc.

DJA 02 18:56:48.3, 0.4, 7.5S, 3.12E, h430km, 8km, M4.2/19, mb4.5/5, mb4.2/14, MLv4.5/19, Mw(m)3.7/5

NEIC 02 18:56:50.3, 2.0, 6.75S, 0.1, 127.2E, 0.1, h424km, 10km, mb4.4/11, Error ellipse: s-maj=17.2km s-min=15.5km az=86.0

IDC 02 18:56:50.6, 2.5, 6.68S, 127.25E, h419km, 32km, mb3.5/13, mbtmp4.4/18, Error ellipse: s-maj=18.9km s-min=12.5km az=65.0

ISC 02 18:56:48.9, 0.4, 6.70S, 0.05, 127.31E, 0.06, h408km, n81, r143/87, mb4.0/19, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include AAI Ambon, BNDI Bandanaira, NDLI Bandanaira, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

comp=Z, 2.6nm, 1.4s

comp=Z, 3.9nm, 0.8s, baz=339, slow=19, SNR=14

comp=Z, 3.9nm, 0.6s, baz=195, 268 P

comp=Z, 4.8nm, 0.6s, baz=182, slow=10, SNR=12

comp=Z, 3.9nm, 0.8s, baz=329, slow=9.2, SNR=13

comp=Z, 4.7nm, 0.4s, baz=131, slow=7.8, SNR=4.1

comp=Z, 2.4nm, 0.8s, baz=182, slow=10, SNR=12

comp=Z, 4.7nm, 0.7s, baz=194, slow=6.1, SNR=8.1

comp=Z, 4.7nm, 0.7s, baz=194, slow=6.1, SNR=8.1

comp=Z, 3.9nm, 0.6s, baz=132, slow=4.7, SNR=18

comp=Z, 3.7nm, 0.7s, baz=132, slow=5.1, SNR=38

comp=Z, 5.5nm, 0.6s, baz=124, 329 P

comp=Z, 0.9nm, 0.5s, baz=76, slow=8.6, SNR=10.0

comp=Z, 3.1nm, 0.7s, baz=80, 347 P

comp=Z, 1.0nm, 0.3s, baz=155, slow=7.3, SNR=4.0

comp=Z, 1.7nm, 0.8s, baz=332, slow=1.2, SNR=7.1

comp=Z, 0.6nm, 0.6s, baz=348, slow=25, SNR=6.9

comp=Z, 0.6nm, 0.4s, baz=147, slow=7.8, SNR=2.0

comp=Z, 0.5nm, 1.0s, baz=116, slow=3.4, SNR=2.3

HEL 02 19:17:41.3, 0.2, 65.45N, 20.73E, h0km, ML1.5, Explosion

IDC 02 19:17:43.2, 9.65, 41N, 20.92E, h0km, mbtmp3.2, ML1.5/2, Error ellipse: s-maj=46.9km s-min=11.3km az=84.0

ISC 02 19:17:42.0, 1.0, 65.45N, 0.02, 20.89E, 0.05, h0km, n26, r124/42, Sweden

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include BURU Burvik, BURU Kalix, KALU Kalix, etc.

19 2d 19h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include ARCES, FIAO FINESS Array B, FINES, etc.

comp=Z, 0.2nm, 0.3s, baz=206, slow=22, SNR=1.2

comp=Z, 0.2nm, 0.3s, baz=198, slow=26, SNR=8.0

comp=Z, 0.2nm, 0.3s, baz=337, slow=17, SNR=6.6

comp=Z, 0.2nm, 0.3s, baz=337, slow=17, SNR=6.6

comp=Z, 0.2nm, 0.3s, baz=335, slow=26, SNR=3.4

comp=Z, 0.2nm, 0.3s, baz=345, slow=42, SNR=12

comp=Z, 0.8nm, 0.7s, baz=187, slow=8.7, SNR=2.2

comp=Z, 0.3nm, 0.8s, baz=147, slow=8.2, SNR=9.6

comp=Z, 0.5nm, 0.8s, baz=321, slow=7.5, SNR=5.0

GRAL 02 19:38:25.0, 5.0, 34.89N, 35.65E, h2km, 10km, MD3.0

ISC 02 19:38:25.0, 35.19N, 34.99E, h5km, ML2.2/7

ISC 02 19:38:19.6, 1.2, 35.03N, 0.04, 35.34E, 0.06, h14km, 12km, n14, r054/21, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include BEIL Beino, BEIL Hawqa, BEIL Hawqa, etc.

IDC 02 19:26:8.4, 4.2, 77.8N, 86.89E, h0km, mb3.4/4, mbtmp3.6/6, ML3.4/2, Error ellipse: s-maj=113.8km s-min=33.8km az=43.0

ISC 02 19:30:4.3, 2.79N, 0.4, 87.0E, 0.5, h18km, n7, r0574/7, mb3.4/5, Nepal

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include CMAR Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arr, etc.

NOU 02 19:41:40.9, 22.71S, 179.35W, h580km, mb5.0/59, South of Fiji Islands

NEIC 02 19:41:41.7, 1.9, 22.7S, 0.1, 179.6W, 0.1, h577km, 7km, mb4.6/162, Error ellipse: s-maj=17.4km s-min=14.9km az=164.0

IDC 02 19:41:41.3, 1.0, 22.66S, 179.66W, h572km, 10km, mb4.0/18, mbtmp4.9/20, Error ellipse: s-maj=12.1km s-min=10.9km az=132.0

ISC 02 19:41:41.4, 0.3, 22.74S, 0.05, 179.56W, 0.06, h579km, n338, r148/300, mb4.7/117, 6D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include MSVF Tubou, MSVF Nonsavu, MSVF Nonsavu, etc.

Table with columns for station name, frequency, and other details. Includes stations like TWGZ, TOZ, KMRZ, URZ, etc.

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

Table with columns for station name, frequency, and other details. Includes stations like BNX, L04D, BLYC, etc.

Table of seismic data for stations in the Taiwan region, including codes like HFS, MARD, AKASG, and station names like Wardsin, Malin Array B, etc.

JMA 02 19:42:12.7:0.3,25°N,121.22°E,0.7,h99km,3km, MV2.3/1.4, TAIWAN REGION

ISC 02 19:42:12.3:24.88N,122.06E,h104km,ML3.2,C

TAP 02 19:42:12.4:1.3,24.89N,122.06E,0.03,h104km,5km, n120,0.0776/205,Taiwan region

Main table of seismic data for stations in the Taiwan region, including codes like EGS, TWB1, TIBP, etc., and station names like Santiao Chiao, Shuangxi, etc.

Table of seismic data for stations in the Beigang Elemen region, including codes like WCS, EGFW, and station names like Beigang Elemen, Guangfu, etc.

ISC 02 19:44:22.8:1.4,7.48S,148.21E,h0km,mb3.8/5, mbtmp3.8/7,ML3.1/2,MS3.2/2,Error ellipse: s-maj=52.8km s-min=24.5km az=105.0

ISC 02 19:44:28.2:1.3,7.65S,148.2E,0.3,h35km,n7,0.056/8, mb3.8/5, Eastern New Guinea region

Main table of seismic data for stations in the Beigang Elemen region, including codes like PMG, WRA, MKAR, etc., and station names like Port Moresby, Warramunga Arr, etc.

Table of seismic data for stations in the Banda Sea region, including codes like TPB01, TPB05, and station names like Permian Basin, Hovey Rd, etc.

ISC 02 20:56:04.9:1.8,6.64S,129.99E,h0km,mb3.7/2, mbtmp3.8/5,ML4.0/3,Error ellipse: s-maj=75.3km s-min=26.5km az=72.0

ISC 02 20:56:19.3:1.2,7.13S,10.08E,0.1,h100km,n17, s-09107/17,Banda Sea

Main table of seismic data for stations in the Banda Sea region, including codes like FAKI, DRS, etc., and station names like Fak Fak, Darwin Rock St, etc.

ROM 02 21:01:36.1:0.1,38.122N,10.004E,15.173E,0.007, h7km,ML3.2/67,19C,Error ellipse: s-maj=0.6km s-min=0.2km az=301.0,Sicily

Main table of seismic data for stations in the Sicily region, including codes like NOV, MPNC, and station names like Novara, Port Mandanici, etc.

Table with columns for station name, elevation, coordinates, and various data points. Includes stations like ET LH, HGSD, ESAAO, etc.

Table with columns for station name, elevation, coordinates, and various data points. Includes stations like HSN, WCKST, NTCSO, etc.

Table with columns for station name, elevation, coordinates, and various data points. Includes stations like INKA, HTT, BBOO, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, Time, Residual. Includes stations like RATZ, KATZ, NTVZ, HRHZ, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, Time, Residual. Includes stations like DMTO, DMTO, DMTO, Rabkut, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, Time, Residual. Includes stations like NAX, GEVA, MARD, SIMJ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BJI, IDC, MOS, NEIC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Time, Residual. Includes stations like KBL, KBL, KBL, KMB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Time, Residual. Includes stations like TOKA, KK31, KKAR, KBZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like DSN, OMAN, ISC, DMTO, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Time, Residual. Includes stations like KMB, KIBK, KIBK, KIBK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Time, Residual. Includes stations like BR104, BRTR, BR105, BR106, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Strength. Includes stations like FRU1 Bishkek, LABN Labinsk, BOOM Boomskeye usch, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Strength. Includes stations like MLR Muntele Rosu, WMO Banda Aceh, WMO Urumqi, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Strength. Includes stations like OBN comp=Z,64nm,2.1s, CUC Castruccio, SRIT Nakonsritamara, etc.

2d 21h

2019 MAY

Table with columns: Name, Comp, Time, and other details. Includes entries like LJU Ljubljana, SOKA Soboth, CD2 Chengdu, etc.

Table with columns: RETA, Reutte, Time, and other details. Includes entries like KGCAGE Kacgae, DAVOX Davos/Dischmat, NOVY Kostel, etc.

Table with columns: XLT, Name, Time, and other details. Includes entries like XLT comp=Z,150nm,5.4s, XLT comp=Z,200nm,19.2s, NJ2 Nanjing, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Date, Time, Residual, Status. Includes stations like SFJD, EUNU, BILL, SYO, WRB, WRA, WRW, WRB, WRB, ASAR, ASAR, ASK1, PETK, GUMO, ELIB, RES, NVL, NVL, FRB, PMG, A36M, A36M, D19K, D20K, STKA, SNA, F19K, F19K, INK, ILAR, DZM, PDAR, NVAR, NVAR, TXAR, PPT2, PPT2, TAOE.

Main table with columns: Code, Station Name, Azimuth, Elevation, Date, Time, Residual, Status. Lists numerous stations from CHY to JOW.

JMA 02 21:47:43.4, 0.2, 24.78N, 121.9E; 0.5, h102km, 1km, MV3.9/17, TAIWAN REGION

TAP 02 21:47:43.5, 24.83N, 121.92E, h101km, ML4.4, B

ISC 02 21:47:42.7, 2.24, 84N, 0.03, 121.91E; 0.02, h108km, 4km, n194, 0.90/352, 67C-10D, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Date, Time, Residual, Status. Lists stations from EGS to NTY.

GCG 02 21:48:00.7, 2.2, 13.46N, 91.13W, h13km, 26km, MD4.5, ML3.9, MW3.9

SNET 02 21:48:01.7, 1.0, 13.49N, 90.92W, h15km, 10km, ML4.5

CATAC 02 21:48:03.9, 0.6, 14.3N, 3.9W, h28km, 5km, M4, 4/16, ML4.4/16, Error ellipse: s-maj=8.1km s-min=3.0km az=38.1, confirmed

NEIC 02 21:48:04.4, 2.9, 13.54N, 0.08, 91.00W, 0.07, h35km, 2km, mb4.3/57, Error ellipse: s-maj=15.7km s-min=8.9km az=215.0

IDD 02 21:48:01.7, 7.3, 13.94N, 90.47W, h12km, 26km, mb3.7/5, mbmp4.1/7, MS3.2/1, Error ellipse: s-maj=51.0km s-min=16.3km az=47.0

ISC 02 21:48:02.0, 0.6, 13.47N, 0.05, 91.09W, 0.04, h29km, n165, 0.150/166, mb4.3/28, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth, Elevation, Date, Time, Residual, Status. Lists stations from FG8 to CEVE.

2019 MAY

Table of astronomical observations for 2019 May, including columns for date, time, magnitude, position, and object name. Objects include CV2, CEVE, SBLS, SNJE, UNIC, etc.

Table of astronomical observations for 2019 May, including columns for date, time, magnitude, position, and object name. Objects include LPAZ, J08A, J08A, etc.

Table of astronomical observations for 2019 May, including columns for date, time, magnitude, position, and object name. Objects include MLPR, Magueyes Islan, etc.

IDC 02 23:02:29.0, 0.31'32N, 77.06E, h0km, mb3.8/16, mtimp3.6/19, ML3.0/4, MS3.5/4, Error ellipse: s-maj=23.5km s-min=15.9km s=43.0

NDI 02 23:02:34.4, 0.5, 31'34N, 77.08E, h10km, 1km, ML4.2, MV4.2

ISC 02 23:02:32.9, 1.0, 31'14N, 074.77'18E, 0.05, h24km, 8km, n35, e21340, mb3.8/17, MS3.6/4, Northern India

Code Station Name A° AZ° Phase ID Time Res h m s ISC

Main table of astronomical observations for 2019 May, including columns for Code, Station Name, Azimuth, Phase, ID, Time, Resolution, and ISC. Objects include Simla, Bhakra, Dharamshal, etc.

IDC 02 23:27:27.5, 1.8, 30'81N, 132.14E, h0km, mb3.7/9, mtimp3.6/19, ML3.0/4, MS3.7, Error ellipse: s-maj=35.9km s-min=22.8km s=111.0

JMA 02 23:27:37.4, 0.2, 31'22N, 05.131E, 1.0, h28km, 2km, MD3.9/36, MV3.6/36, SE OFF OSUMY PEN

NIED 02 23:27:37.4, 31'18N, 131.92E, h28km, MV4.0, Moment Tensor Solution. s3 Moment tensor: Mw=1.019N

Mm:0.85; Mss:0.15; Mss:0.70; Mss:0.58; Mss:0.57; Mss:0.07; Fault plane solution: M01.1300x1015 NPI1

0.187,00000°, 8.44,00000°, 1.48,00000°. NP2;0.58,00000°, 8.59,00000°, 1.23,00000°

ISC 02 23:27:37.5, 2.0, 31.14N, 0.05:131.9E, 0.1, h47km, 14km, m32, r185/31, m33.6/6, MS3.3/6, 4D, Kyushu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like JNAR, JNJR, JNKR, etc.

IDC 02 23:58:59.6-0.6, 18.16N, 120.07E, h0km, mb4.0/15, mbmp4.1/17, ML3.9/2, MS3.4/16, Error ellipse: s-maj=25.4km s-min=14.1km az=70.0

BUJ 02 23:59:00.0, 18.20N, 120.10E, h10km, mb4.7/6, mb4.3/17, Ms4.2/13, Ms7.3/9/14

NEIC 02 23:59:01.8, 1.2, 18.19N, 120.09E, h10km, 1km, mb4.5/52, Error ellipse: s-maj=20.0km s-min=14.7km az=270.0

ISC 02 23:59:00.3, 3.3, 18.17N, 120.06E, h4km, 21km, n102, r094/98, mb4.5/37, MS3.6/16, Luzon

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like TGTY, TWG, TPUB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like KSRS, JCJ, INU, LZH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like G29M, H29M, F30M, etc.

IDC 02 23:59:44.1, 1.5, 28.17N, 143.340E, h0km, mb3.8/4, mbmp3.7/5, ML2.5/1, Error ellipse: s-maj=37.9km s-min=22.6km az=102.0

ISC 02 23:59:46.6, 1.3, 28.18N, 143.33E, h15km, n12, r124/6, mb3.9/4, Bonin Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like JCJ, MJAR, H112, etc.

IDC 03 00:08:13.0, 0.7, 22.54S, 178.51W, h0km, mb4.2/4, mbmp4.2/4, Error ellipse: s-maj=198.5km s-min=36.7km az=32.0, South of Fiji Islands

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

3d 3h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Cerro Coronel, El Transito, Cuesta del Vie, etc.

3d 3h 3d 3h

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

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like South Pole Qui, Boshof, La Paz, etc.

ISD 03 00:37:35.0t1.8, 20:84S:178:76W, h593km, 20km, mb3.0/9, mbtmP4.0/11, Error ellipse: s-maj=22.0km s-min=16.5km az=105.0

NEIC 03 00:37:35.3t2.0, 20:8S:0:1x178:7W:0:2, h608km, 12km, mb4.6/18, Error ellipse: s-maj=21.8km s-min=18.2km az=110.0

ISC 03 03:37:33.5t0.5, 20:90S:0:09x178:7W:0:1, h579km, n38, r151/36, mb4.0/18, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NSVSV, NIUE, URZ, BFZ, DSZ, etc.

ISD 03 00:40:16.6t0.3, 30:70N:114:30W, h9km, ML3.3

MEX 03 00:40:17.6t0.8, 30:65N:114:59W, h5km, MD2.8

ISC 03 00:40:13.7t1.8, 30:72N:0:05-114:33W:0:08, h16km, n11, r0978/22, 1C-2D, Gulf of California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like San Felipe, San Luis Gonzaga, San Pedro Mart, etc.

ISD 03 01:13:06.3t1.5, 5:44S:151:35E, h54km, 53km, mb3.7/8, mbtmP3.9/9, ML1.9/1, MS3.4/1, Error ellipse: s-maj=44.8km s-min=26.9km az=104.0

ISC 03 01:13:06.7t1.0, 5:45S:0:2-151:4E:0:2, h57km, n10, r0959/10, mb3.8/8, New Britain region

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

ISD 03 01:43:09.3t2.4, 33:08S:178:35W, h0km, mb3.9/2, mbtmP3.9/3, ML3.8/1, Error ellipse: s-maj=63.3km s-min=35.1km az=122.0

WEL 03 01:43:09.6t0.9, 33:37S:17:8W:1:6, h12km, M4.2/7, mb4.7/7, ML4.7/13, MLV4.4/5, Mw(m)3.9/7, Error ellipse: s-maj=22.1km s-min=4.7km az=109.6, confirmed

ISC 03 01:43:07.4t1.4, 33:27S:0:08-177:8W:0:2, h10km, n22, r1545/37, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Green Lake, Waioamatatini S, Te Kaha, etc.

FUNV 03 02:20:05.1, 8:12N:72:07W, h12km, MW3.1

RSNC 03 02:20:06.1t0.3, 8:8N:2:72W:1, h4km, M2.1, ML1.7

ISC 03 02:03:09.1t1.8, 20:0N:0:03-72:07W:0:03, h10km, n10, r15, r139/30, 2C, Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Capacho, Pampolona, Ocana, etc.

DJA 03 02:24:29.3t0.3, 3:2S:3:123E:1, h10km, M3.7/11, mb4.7/1, mb3.8/2, MLV3.7/11, Mw(m)4.0/1, Sulawesi

DJA 03 03:05:23.2t0.3, 11:3S:111:8E:1, h10km, M4.0/8, mb4.1/6, MLV3.9/8, South of Sumbawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Waikabubak, Plampang, Taliwang, etc.

Table with columns: GMJI, Gumukmas, 5.22 307, P, Pn, 03 06 40.4, -0.9

GUC 03 03:17:03.7, 0.7, 17.68S, 69.85W, h9km, 7km, ML3.8

IDC 03 03:17:04.2, 1.5, 17.63S, 70.09W, h0km, mb3.6/3,

mbmp3.7/5, ML3.4/2, MS3.0/4, Error ellipse: s-maj=30.8km

s-min=29.9km az=152.0

ISC 03 03:17:04.0, 0.9, 17.78S, 69.97W, 0.06, h10km, n18,

+25.0/20, mb3.8/3, 1C-2D, Peru-Bolivia border region

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

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

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

NEIC 03 03:17:43.5, 0.5, 36.86S, 150.00W, 0.01, h5km, 1km,

mb_Lg2.3/9, ML2.3/28, ML2.4/52, Error ellipse:

s-maj=2.6km s-min=1.6km az=53.0

NEIC 03 03:17:43.6, 0.4, 36.87N, 0.01, 97.44W, 0.01, h7km, 1km,

Error ellipse: s-maj=2.8km s-min=2.0km az=50.0,

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

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

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

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

Table with columns: RLO, Rose Lookout, 2.07 109, Pn, 03 18 19.8, +1.0

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

IDC 03 03:24:35.0, 0.25, 0.23, 79S, 179.79W, h52km, 202km,

mb3.2/3, mbmp4.2/4, Error ellipse: s-maj=652.7km

s-min=100.7km az=93.0, South of Fiji Islands

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

MOS 03 03:42:39.9, 1.0, 29.86S, 177.99W, h11km, mb5.2/17,

Error ellipse: s-maj=16.9km s-min=13.7km az=43.2

BUI 03 03:42:39.4, 29.64S, 177.46W, h8km, mb5.4/4, mb5.1/23

NEIC 03 03:42:41.4, 1.7, 29.95S, 0.09, 177.99W, 0.1, h10km, 1km,

mb5.1/45, Error ellipse: s-maj=19.6km s-min=15.4km

az=81.0

IDC 03 03:42:49.2, 2.0, 29.84S, 177.98W, h75km, 16km, mb4.4/17,

mbmp4.6/19, MS3.6/32, Error ellipse: s-maj=15.2km

s-min=12.6km az=179.0

GCMT 03 03:42:50.4, 0.4, 29.88S, 177.68W, 0.02, h25km, 1km,

MW5.0/68, Moment Tensor Solution. s25,c29; s68,c82;

Duration: 0 Moment tensor: Scale 10^16N; Mr=0.11; 1.13;

Mw=0.38; 1.1; Mw=0.26; 1.0; Mw=2.04; 2.7; Mw=0.54; 0.8;

Mw=4.25; 4.2; Best double couple: M=4.72100x10^16

NF1=56.0000, 62.0000, 130.0000, -NF2;

q=205.0000, 380.0000, 69.0000; Principal axes: T

4.3810, P1g46.0000; Azm11.0000; N 0.6800;

P1g1.0000; Azm205.0000; P -0.0600, P1g44.0000;

Azm297.0000; nsta1 refers to body waves, cutoff=40s.

nsta2 refers to surface waves, cutoff=50s. Triangular

moment-rate function

NOU 03 03:42:52.4, 29.97S, 177.29W, h140km, mb4.9/12,

Kermadec Islands, New Zealand

ISC 03 03:42:44.6, 0.3, 30.11S, 177.90W, 0.07, h35km,

n295, s148/275, mb5.0/59, MS3.7/31, 14C-19D, Kermadec

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

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

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

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

Table with columns: STKA, Stephens Creek, 34.63 257, P, P, 03 49 32.5, +2.0

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

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

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

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

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

3d 4h

Table of station data for the left column, including call signs like PLCA, SHEM, KSRS, etc., and their associated frequencies and parameters.

2019 MAY

Table of station data for the middle column, including call signs like LSZ, SPITS, ARTI, etc., and their associated frequencies and parameters.

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Table of station data for the top right column, including call signs like MOX, ROTZ, WET, etc., and their associated frequencies and parameters.

Table titled 'RSNC 03:05:06.3-0.4 N:1.7-6 W:1.1 h121km,3km,M2.3,mb4.0' showing station details for the RSNC region, including station names, frequencies, and phases.

Table titled 'MEX 03:04:08.49.4.0.8, 14.79N:93.10W, h66km,28km,MD3.8' showing station details for the MEX region, including station names, frequencies, and phases.

Table titled 'NEIC 03:04:11:17.9.1.9, 33.81N:0.01:119:31W:0.02, h10km,2km, Error ellipse: s-maj=3.1km s-min=2.4km az=272.0' showing station details for the NEIC region, including station names, frequencies, and phases.

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, h, m, s, ISC. Includes stations like HLLC, PDE, USC, WTT2, GR2C, BSM, BSM, DECC, OSI, PASC, MPI, GVRC, NQJ, RHC, BCW, THIC, CCAC, ISA, PFO, EW2, GSC, PMPB, PMPB, PCHM, YUH, GWY, SAO, WCT, TPNV, V12A, V12A, SHPR, W13A, W13A, PRN, PRN.

ISK 03 04:33:15.5, 33°69N, 26°04E, h86km, ML3, 3/14
GII 03 04:33:15.3, 0.0, 33°85N, 0°04, 26°16E, 0.01, h8km,
Mvs3.6, confirmed
IDC 03 04:33:16.3, 2.5, 34°09N, 26°10E, h0km, mb4, 17r,
mbmp3.9/13, ML2, 9/5, Error ellipse: s-maj=47.27km
s-min=18.3km az=25.0

ATH 03 04:33:19.7, 33°90N, 25°99E, h33km, 8km, ML3, 0/4
Manual Solution by A.Fokas First location: 2019/05/03
04:35:11, This location: 2019/05/03 09:27:23 ML
Amplitudes are expressed in micrometers. All distances
are expressed in degrees Latitude uncertainty: 16 km;
Longitude uncertainty: 7 km

HLW 03 04:33:20.7, 33°72N, 26°10E, h9km, 8km, ML3, 6
AFAD 03 04:33:28.6, 34°68N, 26°48E, h6km, 4km, ML2, 8
ISC 03 04:33:18.3, 0.8, 33°88N, 0°04, 26°13E, 0.05, h26km, n88,
c186/99, mb4.0/7, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, h, m, s, ISC. Includes stations like ZKR, ZKR, ZKR, IDI, IDI, ANOYIA, KARP, KARP, KARP, GVD, GVD, GVD, IMWV, SLUM, YAZI, ANKY, DAT, DAT, DAT, BDRM, TURN, TURN, DALY, IZZE, IZZE, IZZE, KSL, FETHY, FETHY, MLBS, YER, AKAS, AKAS, SABU, MUGLA, CAME, AYDN, KNIK, DNZT, CAEL, CAEL, ELMI, AKUM, TAVA, TAVA.

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, h, m, s, ISC. Includes stations like AYDB, ESEN, GOLH, DNIZ, DNIZ, DNIZ, KORT, KORT, SWAZ, KIRA, PASA, KEPZ, RYAN, CS, CSS, HFRF, KZIT, KZIT, MMAI, MMLI, MMLI, YTR, YTR, HMDT, HMDT, DSI, MSBI, MSBI, KRMI, KRMI, PRNI, PRNI, GHAJ, GHAJ, BRTR, HRFI, HRFI, MBRI, MBRI, EIL, EIL, VAE, AKAS, GERS, HFS, FINES, ARCES, BVAR, KURBS, MKAR, ZALV.

IDC 03 04:52:49.4, 0.4, 29°83N, 68°61E, h0km, mb3, 5/5,
mbmp3.5/6, ML3, 6/1, MS3, 1/1, Error ellipse: s-maj=82.1km
s-min=68.2km az=160.0

ISC 03 04:52:53.2, 4.3, 30°00N, 0°55, 68°7E, 0.4, h20km, n7, c182/76,
mb3.5/5, Pakistan

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, h, m, s, ISC. Includes stations like MKAR, KURBS, AKTO, BVAR, KBZ, ZALV, YKA, NEIC, IDC, DJA, ISC, Code, Station Name, Az, Phase, ID, Op, Time, Res, h, m, s, ISC. Includes stations like DAV, DAV, DAV, DAV, DAV, DAV, SGSI, SGSI, TMTI, KMSI, MRSI, TOLIZ, LUWU, LUWU, SANI, SANI, MYLMD, APSI.

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, h, m, s, ISC. Includes stations like MPSI, SWI, NLAI, MSAI, AAI, KKM, FAKI, FAKI, SPSI, BNSI, KAPI, SBUM, EDPI, SOEI, SOEI, SOEI, KSM, KSM, PLAI, JAYI, TWSI, JAGI, JAGI, GRJI, GMJI, TPI, GUMI, KNRA, KNRA, PPBI, JOW, LEM, MYKOM, MYKOM, UBPT, FITZ, MDSI, KASI, LWLI, KSI, KULM, KULM, COEN, PMG, WBO, WBO, WRA, WRA, WRB, WRB, MBWA, MBWA, NJ2, NJ2, NJ2, GSI, GSI, CMAR, CMAR, ASAR, ASAR, ASAR, PZH, PZH, KSRs, XAN, XAN, MJAR, MJAR, LZH, LZH, LZH, HHC, HHC, SHL, USRK, XLT, XLT, XLT, STKA, BNX, BNX, GTA, GTA, GTA, H1N1, H1N1, H1N1, EVN, EVN, KLR, SONM.

Table with columns: MDPB, Devils Postpil, 2.50 33, IAML, 05 24 00.6, etc. Includes various station names and coordinates.

SJA 03 05:28:09.7z 1.0, 36:31S:74:41W, h137km, 13km, ML3.9, MW3.8

GUC 03 05:28:23.8z 0.8, 35:85S:73:27W, h35km, 2km, ML3.7

ISC 03 05:28:20.5z 1.7, 35:79S:04:73.54W, 0.09, h17km, 11km, n27, f1531/41, Off coast of central Chile

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Lists various stations like Punta Hualpin, Panimavida, etc.

Table with columns: AAGR, Agrelo, 4.73 57, I P, IAML, 05 29 33.0 +1.8, etc.

TEH 03 06:34:15.5, 37:43N:48:85E, h6km, 40km

THR 03 06:34:16.2, 0.0, 37:46N:48:96E, h6km, 6km, ML4.0

TIF 03 06:34:17.5, 37:56N:49:10E, h21km

ISC 03 06:34:17.1z 1.4, 37:47N:04:48.90E, 0.05, h19km, 4km, n58, f2529/57, 3C, Northwestern Iran

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Lists stations like CSN1, GASI, GIDE, etc.

ISC 03 06:42:06.4z 4.7, 53:59N:90:66E, h0km, mbtmp2.8/2, ML2.4/2, Error ellipse: s-maj=44.5km s-min=27.9km az=52.0

ASRS 03 06:41:58.0z 1.7, 53:73N:91:02E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Lists stations like H46RU, ZALV, MKAR, etc.

ISC 03 06:44:12.6z 1.7, 24:13S:115:54W, h0km, mb3.8/3, mbtmp3.8/3, Error ellipse: s-maj=108.5km s-min=49.4km az=106.0

ISC 03 06:44:13.0z 2.0, 24:3S:05:115:8W, 0.7, h10km, n18, f1508/9, mb4.0/3, Southern East Pacific Rise

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Lists stations like H03N2, H03N3, H03N1, etc.

Table with columns: ZALV, Zalesovo Beam, 146.63 338, PKPbc, PKPab, 07 03 55.0 -6, etc.

DJA 03 06:48:01.4z 0.4, 8:5S:4:11:16E, h12km, 4km, M4.1/16, MW4.3/4, ML4.0/16, MW4.6/16, MW4.7/16

ISC 03 06:48:01.2z 3.4, 8:63S:1:16:08E, h0km, mb3.7/3, mbtmp3.9/4, ML4.2/1, Error ellipse: s-maj=238.2km s-min=26.5km az=50.0

ISC 03 06:47:59.8z 0.6, 8:36S:0:06:116E, 0.04, h10km, n42, f156/45, mb4.1/5, Sumbawa region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Lists stations like TWSI, SRBI, DNP, etc.

ISC 03 06:55:24.3z 0.5, 24:24S:115:93W, h0km, mb4.3/13, mbtmp4.3/13, MS4=20.9, Error ellipse: s-maj=24.4km az=80.0

MOS 03 06:55:25.1z 1.0, 24:22S:115:92W, h10km, mb5.2/16, Error ellipse: s-maj=15.9km s-min=11.2km az=83.3

NEIC 03 06:55:27.4z 1.2, 24:3S:0:1:116:0W, 0.1, h10km, 1km, mb5.0/66, Error ellipse: s-maj=19.7km s-min=15.6km az=189.0

GCMT 03 06:55:28.4z 0.3, 24:35S:0:03:115:83W, 0.02, h12km, MW5.0/67, Moment Tensor Solution. s31, c33; s67, c10; Duration: 0 Moment tensor: Scale 10^18N; Mr-3.18z; 12; Mw=0.44z; 13; Mw=3.14z; 10; Mw=0.74z; 50; Mw=0.34z; 11; Mw=0.68z; 37; Best double couple: M3.32900x10^16 Np1.9z199.0000z; 0.41.00000z; 1.70.00000z; NP2: q3.353.0000z; 352.0000z; 1.107.0000z; Principal axes: P1=2320, P2=3000, Az=95.0000, N=0.1930, Plg13.0000, Azm3.0000, P=-3.4250, Plg76.0000, Azm200.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-tensor function

ISC 03 06:55:26.3z 0.3, 24:27S:0:08:116:01W, 0.06, h12km, n185, f1909/167, mb5.0/49, MS4=2.0/20, Southern East Pacific Rise

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Lists stations like VA02, PTCN, RKT, etc.

3d 7h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PLCA Paso Flores, ZON Zonda, and various other frequencies.

2019 MAY

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like V48A Casper Brothers, HVU Hansel Valley, and various other frequencies.

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BVAR, GOMU GeErMu, and various other frequencies.

TXNET 03 07:57:07.3, 31.7N-0.5, 104.3W-0.6, h4km2, 2km, ML2.5/9, 7C, Error ellipse: s-maj=0.9km s-min=0.7km az=59.2, final, Western Texas

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TPB11 China Draw, PECS Pecos, and various other frequencies.

GCG 03 06:58:13.2±0.5, 14:32N:90:53W, h12km3, 3km, MD3.5

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like FG16 Alotenango, STG5 El Palmar, and various other frequencies.

WEL 03 07:01:56.4±1.0, 31°S±19'±18'W, 04°3', h413km, 24km, mB4.7/6, MLV4.3/5, Mw(mB)3.9/6, Error ellipse: s-maj=60.5km s-min=8.7km az=112.4, confirmed, Kermaedc Islands region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WMGZ Waomatatini S, HAZ Ta Kaha, and various other frequencies.

IDC 03 07:18:24.8±0.7, 12:86S±45:38E, h0km, mb4.0/12, mbtmp4.1/14, ML5.4/2, MS3.6/2, Error ellipse: s-maj=21.9km s-min=17.5km az=108.0

NEIC 03 07:18:26.1±1.6, 12:83S±08:45:43E±0.08, h10km, 1km, mb4.8/22, Error ellipse: s-maj=15.4km s-min=12.0km az=277.0

ISC 03 07:18:25.0±0.4, 12:96S±0:05:45:48E±0:06, h10km, n65, ±189/72, mb4.5/27, 1-C-1D, Northwest of Madagascar

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SBV Sambava, SBV, and various other frequencies.

Table with columns for station code, name, time, and other parameters. Includes stations like AVY, DGRM, ABM, VOT, FOM, RER, MISEY, KIBK, LSZ, etc.

Table with columns for station code, name, time, and other parameters. Includes stations like TATA, ALEG, SAVO, HNR, HURO, etc.

Table with columns for station code, name, time, and other parameters. Includes stations like QLP, GUMU, GUMG, GUMQ, etc.

Multiple text blocks containing technical data, coordinates, and station information. Includes lines like 'IDD 03 07:25:26.7... 6.88S...', 'NEIC 03 07:25:29.2... 6.93S...', 'MOS 03 07:25:31.1... 6.83S...', etc.

3d 7h

Table of radio stations with columns for call sign, frequency, power, and other technical details. Includes stations like Buckleboo, Hauiti, Wether Hill, etc.

2019 MAY

Table of radio stations with columns for call sign, frequency, power, and other technical details. Includes stations like Bau Bau, Wether Hill, Wainapu, etc.

Table of radio stations with columns for call sign, frequency, power, and other technical details. Includes stations like MJAR, MAJO, Matushiro, etc.

Table with columns for station name, frequency, power, and signal quality. Includes stations like Beijing, Rantau Prapat, Son La, and various locations in Vietnam and Indonesia.

Table with columns for station name, frequency, power, and signal quality. Includes stations like Huo-ho-hao-te, Nikolski High, and various locations in Vietnam and Indonesia.

Table with columns for station name, frequency, power, and signal quality. Includes stations like Saint George I, P08K, and various locations in Vietnam and Indonesia.

Table with columns: Station ID, Name, Azimuth, Elevation, Mode, Signal, SNR, and other metrics. Includes stations like Tiguquaiwet M, Pilot Point, Dall Lake, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Mode, Signal, SNR, and other metrics. Includes stations like M16K, BILL, KODAK, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Mode, Signal, SNR, and other metrics. Includes stations like L18K, Granite Mounta, Unalakleet, etc.

3d 7h

Table with columns: PPLA, Purkeypile, 78.44, 20, P, P, 07 37 29.1, -0.4, etc. Includes entries like Purkeypile, Bokoro, Port Wells, etc.

2019 MAY

Table with columns: KLU, Klutina, 79.87, 23, P, P, 07 37 38.1, +0.8, etc. Includes entries like Klutina, Reider, Sucking Hills, etc.

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Table with columns: COLA, College, 81.19, 20, S, S, 07 47 49.7, -2.8, etc. Includes entries like College, Harding Lake, Yukon River, etc.

3d 7h

Table with columns for call sign, name, frequency, and other details. Includes entries like MAKZ Makanchi, ZALV Zalesovo Beam, and JMIU JMIU.

2019 MAY

Table with columns for call sign, name, frequency, and other details. Includes entries like KSH comp=2.1um,6.2s, KSH comp=2.3um,18.4s, and KSH comp=2.6um,20.6s.

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Table with columns for call sign, name, frequency, and other details. Includes entries like MVCO Mesa Verde, MVCO Mesa Verde, and MVCO Red Lodge.

Table with columns: CCM, Cathedral Cave, 108.89, 52, IAMS_20, IAMS_20, 08 22 31.8, ERBR, ERBR, ERBR, comp=Z,45nm,1.2s, Labinsk, 115.53, 316, i/PKIKP, PKIKP, 07 44 08.5 -2.5, etc.

Table with columns: ERBR, ERBR, ERBR, comp=Z,45nm,1.2s, Labinsk, 115.53, 316, i/PKIKP, PKIKP, 07 44 08.5 -2.5, etc.

Table with columns: CIDE, Kastamonu/Cide, 121.80, 316, I/P, PKPdf, 07 44 22.8 -0.3, etc.

3d 7h

Table with columns for station name, frequency, and signal strength. Includes stations like OSTAS, MAUSK, CHVAC, etc.

2019 MAY

Table with columns for station name, frequency, and signal strength. Includes stations like TEKS, CKRC, CKRC, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like BFO, DOU, DAVA, etc.

Table with columns: Station ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like D23K, G23K, O22K, H23K, E23K, I23K, TOLK, NEA2, NEA2, NEA2, PMR, MCK, D24K, D24K, C24K, E24K, KNK, SML, PWL, H24K, H24K, F24K, G24K, POKR, M23K, SCM, HDA, ILAR, ASAR, D25K, F25K, E25K, M24K, K24K, PRP, KLU, J25K, PAX, HARP, RIDG, F26K, SCRK, SCRK, BMRM, J26L, J26L, L26K, M26K, E27K, G27K, MCAR, BGCL, CRQE, H27K, K27K, I27K, M27K, E28K, MESA, I28M, CTG, YUK3, E29M, DAWY, H29M, G29M, O28M, I29M, AB31, AB31, ABKAR, M29M, L29M, PNYK, E29M, YUK4, G30M, F30M, K29M, YUK6.

Table with columns: Station ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like O29M, I30M, M30M, HYT, N30M, INK, G31M, P29M, F31M, H31M, P30M, N31M, O30M, M31M, WHY, FARO, A36M, N32M, C36M, STKA, TGTN, T35M, WRGLY, LIRD, TOAD, ARCES, YKA, FINES, KBZ, AKASG, RAYN, BRTR, NVAR, PDAR, TXAR, QSPA, IDC, RSNC, ISC, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like BARC, BRJC, PAMC, RUSC, PTCB, OCAC, TAMC, ZARC, NORC, CHIC, ROSC, ROSC, ROSC, CVER, UREC, UREC, GUY2C, PTGC, NIZA, CBOC, DBBC, ARGC, SDV, SDV, ANIL, ANIL, PRAC, APAC, SJCC, SJCC, LCBC, LCBC, URM, URM, CRJC, CRJC, YOTC, YOTC, GUV, GUV, SMRC, CAPC, CAPC, PTAC, PTAC.

Table with columns: Station ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like MACC, MACC, BETC, URIB, JAMC, GARC, POPC, FLOF, FLOF, GR1C, BBAC, BBAC, BCIP, YKA, ASAR, WRA, NEIC, AEIC, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like FIS, RC01, RC01, RC01, RC01, SUA, M22K, PMR, PMR, PMR, PMR, GHO, GHO, GHO, SML, SML, SML, PWL, SPCR, SPCR, CUT, M23K, M23K, SEW, RDT, SCM, SCM, GLI, GLI, RDUJ, RDUJ, RDUJ, M20K, M20K, RED, RED, RED, BRLK, BRLK, BRLK, BRSE, PPLA, PPLA, PPLA, FID, FID, FID, P23K, P23K, P23K, CNPM, CNPM, CNPM, HIN, HIN, HIN, KLU, KLU, KLU, M24K, M24K, ILS, ILS, ILS, DIV, DIV, DIV, TRF, TRF, TRF, N19K, KTH, EYAK, EYAK.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EYAK, CAST, O19K, etc.

IDC 03 08:54:29.1±1.0, 42.32°N-138.61°E, h237km, 12km, mb3.4/6, mbtmp3.9/10, Error ellipse: s-maj=16.7km s-min=13.2km az=147.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JOSH, JHST, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JOG3, JANG, Nango, etc.

ISK 03 09:41:18.9±35.85°N-29.73°E, h7km, ML2.9/17 AFAD 03 09:41:19.9±35.83°N-29.69°E, h14km, MW3.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AKAS, DEMR, AKUM, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MULA, DNIZ, etc.

KRSZO 03 09:53:38.8±1.1, 47.41°N-18.72°E, h0km, ML1.8/5, Error ellipse: s-maj=4.6km s-min=4.0km az=3.0, Explosion. Locality : Etyek Hungary, Hungary

IDC 03 10:03:59.8±2.2, 55.53°S-29.90°W, h0km, mb3.8/2, mbtmp3.8/3, ML4.0/1, Error ellipse: s-maj=121.5km s-min=28.1km az=62.0

NEIC 03 10:04:00.8±2.3, 55.65°S:0.1x30:1W:0.2, h10km, 1km, mb4.5/11, Error ellipse: s-maj=23.2km s-min=17.5km az=204.0

ISC 03 10:04:00.5±0.6, 55.65°S:0.1x30:1W:0.1, h10km, n33, e086/33, mb4.4/6, South Sandwich Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HOPE, PMSA, SNAA, etc.

NEIC 03 10:05:46.5±1.2, 35.54°N:0.006:120:79W:0.01, h5km, 1km, Error ellipse: s-maj=2.1km s-min=1.4km az=245.0

NCEDC 03 10:05:46.6±1.0, 35.548°N:0.006:120:805W:0.009, h5km, 1km, MEd3.0/82, ML2.6/63(NEIC), Error ellipse: s-maj=1.0km s-min=0.9km az=69.0, Central California

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RAMR, LCUV, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SMCM Simmler, LRV Little Rabbit, CRGC Crocker Grade, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SMDR Samana, DR, SMDR Samana, DR, SDD Santo Domingo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IGPR InterUniversit, PDPR Patillas Dam, PDPR Patillas Dam, etc.

ellipse: s-maj=22.6km s-min=7.1km az=97.3, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Matakaoa Point, Te Kaha, Waioamatatini S, etc.

Table with columns: UMAU, Code, Station Name, Az, Phase ID, Time, Res. Lists stations like RAF Baum, RAF Raua, etc.

IDC 03 10:33:21.9, 1.5, 12.89Sx166.08E, h0km, mb3.5/3, s-min=30.4km az=128.0, Error ellipse: s-maj=52.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like DZM Mont Dzumac, DZM 1.3nm,0.3s,baz=14,slow=21,SNR=10, etc.

ASAR 4.1nm,0.3s,baz=142,slow=22,SNR=1.8 6.8nm,0.5s WRA Warramunga Arr 31.21 253 P P 10 39 43.4 0.0

ILAR 0.4nm,0.6s,baz=84,slow=9.3,SNR=1.9 0.2nm,0.6s ASAR 4.1nm,0.3s,baz=142,slow=22,SNR=1.8 0.3nm,0.6s

ARCES ARCES Array B 118.149 54 PKP PKIKP 10 52 11.0 +0.4 1.3nm,0.6s,baz=60,slow=2.2,SNR=6.4

SNET 03 10:56:30.8, 1.2, 12.82N, 91.24W, h26km, 208km, ML 3.8 GCG 03 10:56:32.6, 1.6, 12.93N, 90.92W, h0km, 136km, MD 4.8

IDC 03 10:32:21.8, 2.2, 62.93N, 28.73E, h0km, mbmp3.0/3, ML2.0/3, Error ellipse: s-maj=31.1km s-min=7.6km az=112.0

HEL 03 10:32:24.1, 0.1, 63.14N, 27.79E, h0km, ML1.9, Suspected explosion

IDC 03 10:32:23.9, 0.8, 63.12N, 0.02, 27.79E, 0.04, h0km, n32, az=156/45, Finland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like NIF Nilsia, NIF baz=177, NIF SUF, etc.

IDC 03 10:56:40.9, 1.6, 13.28N, 0.08, 90.56W, 0.07, h35km, 2km, mb4.3/68, Error ellipse: s-maj=14.9km s-min=9.2km az=210.0

IDC 03 10:56:43.5, 4.2, 13.49N, 90.26W, h58km, 40km, mb3.6/7, mbmp3.9/9, ML3.2/2.7, MS3.0/2, Error ellipse: s-maj=51.2km

ISG 03 10:56:38.7, 0.7, 13.03N, 0.06, 90.82W, 0.05, h33km, n151, az=121/146, mb4.3/38, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like FG8 Yepocapa, Chim, FG16 Alotenango, Sa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like MNHN Monahans, Y52A Libburn, SN05 Snyder S, etc.

SOME 03 11:14:42.5, 44.70N, 82.05E, h15km NNC 03 11:14:44.0, 1.0, 44.70N, 81.93E, h0km, mb3.5, mpv3.6, Error ellipse: s-maj=12.4km s-min=3.3km az=121.0, Suspected Mining explosion.

ISG 03 11:14:43.2, 2.2, 44.64N, 0.10, 81.9E, 0.2, h0km, n10, az=043/14, 1C-5D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like KAPS Kapalarasan, KAPS 6.7nm,0.1s, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries like PDGK Podgromoye, MAKZ Makanchi, SHLS Shaikode, etc.

TXNET 03 11:16:19.6,31.6N,0.5,104.3W,0.6,h5km,1km,ML1.8/6, 2C, Error ellipse: s-maj=1.0km s-min=0.7km az=56.2, final, Western Texas

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries like TPB11 China Draw, PECS Pecos, TPB07 Mentone, etc.

SNET 03 11:20:38.1+1.2, 13.05N,90.99W, h20km, ML3.4, CGG 03 11:20:45.9, 0.6, 13.42N,90.69W, h30km, ML3.4

ISC 03 11:20:43.2+1.3, 13.1N,0.1,90.66W,0.08,h24km,114, s=160/17, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries like FG8 Yecopaca, NUBE Las Nubes, CEVE Cerro Verde, etc.

IDC 03 11:22:55.7,3.6,25.56N,126.38E, h58km,36km, mb3.5/9, mbmp3.7/12, ML3.0/3, Error ellipse: s-maj=26.9km

JMA 03 11:22:55.0,0.1,26.1N,112.6E, h72km,2km, MV3.3/24, NEAR OKINAWA/JIMA ISLAND

ISC 03 11:22:55.3,0.9,25.42N,0.06,126.48E,0.05, h60km,10km, n32, c131/45, mb3.7/9, Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries like JKE Kume jima 2, JOGS Gusukube, JIKM Ikemajima, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries like KURBB Kurchatov Arra, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 03 11:34:33.0, 1.1, 57.27N,155.48W, h53km,11km, mb3.5/7, mbmp3.7/9, Error ellipse: s-maj=21.7km s-min=11.2km az=162.0

AEIC 03 11:34:33.8, 1.3, 57.09N,0.04,155.01W,0.06, h48km,6km, ML3.4, mb3.74(NEIC), ML3.690(NEIC), Error ellipse: s-maj=5.6km s-min=4.4km az=213.0

NEIC 03 11:34:33.2, 1.4, 57.08N,0.02,155.03W,0.06, h54km,7km, Error ellipse: s-maj=5.1km s-min=1.7km az=70.0

ISC 03 11:34:33.3, 0.6, 57.10N,0.04,155.04W,0.04, h58km,6km, n168, c099/185, mb3.9/7, Alaska Peninsula

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries like R18K Karluk, S11 Sitkinak Islan, O14K Old Harbor, etc.

IDC 03 11:22:55.7,3.6,25.56N,126.38E, h58km,36km, mb3.5/9, mbmp3.7/12, ML3.0/3, Error ellipse: s-maj=26.9km

JMA 03 11:22:55.0,0.1,26.1N,112.6E, h72km,2km, MV3.3/24, NEAR OKINAWA/JIMA ISLAND

ISC 03 11:22:55.3,0.9,25.42N,0.06,126.48E,0.05, h60km,10km, n32, c131/45, mb3.7/9, Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries like KAHK Katmai Hardscr, K17K Katmai Hook Gl, K16K Pilot Point, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries like M18K Stony River, M16K Timber Creek, M16K comp=E,40nm,0.6s, etc.

IDC 03 11:22:55.7,3.6,25.56N,126.38E, h58km,36km, mb3.5/9, mbmp3.7/12, ML3.0/3, Error ellipse: s-maj=26.9km

JMA 03 11:22:55.0,0.1,26.1N,112.6E, h72km,2km, MV3.3/24, NEAR OKINAWA/JIMA ISLAND

ISC 03 11:22:55.3,0.9,25.42N,0.06,126.48E,0.05, h60km,10km, n32, c131/45, mb3.7/9, Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries like M20K Suisun Inlet, P23K Montague Island, P23K comp=E,45nm,1.1s, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for KSRS, HFS, BVAR, AB31, ABKAR, KJAR, CMAR, and QSPA.

GUC 03 11:50:45.0, 7.2, 22.24S:67.80W, h205km, 7km, ML3.3
SCB 03 11:50:46.1, 0.9, 22.12S:67.55W, h164km, 10km, ML3.3/3,
MW3.1, Error ellipse: s-maj=7.4km s-min=2.2km az=0.0

Main table listing station codes (PB09, PB06, YJA, etc.), station names (IPOC Station P, Yavi, etc.), and various parameters like Az, Phase ID, Time, and Res.

NEIC 03 11:51:55.4, 1.1, 66.23N:0.01:157.16W:0.04, h5km, 2km,
Error ellipse: s-maj=2.5km s-min=2.5km az=0.0
AEIC 03 11:51:55.6, 0.9, 66.23N:0.01:157.19W:0.04, h7km, 6km,
ML3.2, ML3.5/14(NEIC), Error ellipse: s-maj=2.5km
s-min=2.0km az=98.0, Northern Alaska

Main table listing station codes (G19K, G19K, F19K, etc.), station names (Purcell Mountain, Shalericuk Mo, etc.), and various parameters like Az, Phase ID, Time, and Res.

Table listing station codes (KTH, B20K, B20K, etc.), station names (Kantishna Hill, Meade River, etc.), and various parameters like Az, Phase ID, Time, and Res.

AEIC 03 11:52:25.4, 1.7, 66.23N:0.01:157.18W:0.05, h6km, 4km,
ML4.0, mb4.2/12(NEIC), ML4.2/11(NEIC),
Mw4.1, 1/93(NEIC), Error ellipse: s-maj=2.9km s-min=1.7km
az=79.0

NEIC 03 11:52:25.4, 1.8, 66.24N:0.02:157.14W:0.04, h7km, 4km,
Error ellipse: s-maj=2.6km s-min=2.1km az=61.0, Moment
Tensor Solution. Moment tensor: Scale 10^19Nm

Mn: 1.0; M2: 0.78; M3: 0.19; M4: 0.37; M5: 1.57; M6: 0.34;
Fault plane solution: Mo: 1.8500x10^15 NPa; N: 74.94000°,
87.677000°, 1.17091000°, NP2: 3.16704000°, 3.516000°,
1.339000°. Principal axes: T: 1.8643, Pg16.0000°,
Az: 31.0000°, N: -0.0303, Plg74.0000°, Azm200.0000°; P:
-1.8340, Plg3.0000°, Azm307.0000°

NEIC 03 11:52:25.8, 66.24N:157.19W, h1km
IDC 03 11:52:28.0, 66.61N:156.87W, h0km, mb3.8/9,
mbmp3.8/14, ML3.7/5, MS3.3/20, Error ellipse:
s-maj=21.2km s-min=11.8km az=35.0

ISC 03 11:52:25.3, 1.2, 66.26N:0.02:157.11W:0.03, h2km, 6km,
n142, s116/134, mb4.0/14, MS3.2/16, Northern Alaska

Main table listing station codes (G19K, G19K, F19K, etc.), station names (Purcell Mountain, Shalericuk Mo, etc.), and various parameters like Az, Phase ID, Time, and Res.

Table listing station codes (K20K, J16K, BPW, etc.), station names (Anvik River, Bear Paw Mtn, etc.), and various parameters like Az, Phase ID, Time, and Res.

BWN Browne 3.84 120 Pn Pn 11 53 26.7 +1.4
G24K G24K 3.89 79 Pn Pn 11 53 26.8 +0.6
PPLA Purkeypile 3.99 146 Pn Pn 11 53 27.8 +0.3

L20K Farewell, AK 4.05 158 Pn Pn 11 53 28.5 +0.3
TRF Thorofore Moun 4.05 131 Pn IAML 11 54 40.5

L18K Granite Mounta 4.06 177 Pn IAML 11 53 29.1 +0.8
L18K Granite Mounta 4.06 177 Pn IAML 11 54 42.5

COLA College 4.09 106 Pn Pn 11 53 29.1 +0.4
PWR Poker Plat Res 4.16 102 Pn Pn 11 53 30.3 +0.5
WRH Wood River Hill 4.18 111 Pn IAML 11 54 41.2

CCB Clear Creek Bu 4.21 108 Pn Pn 11 53 30.6 +0.3
CCB Clear Creek Bu 4.21 108 Pn IAML 11 54 42.2

G19K Purcell Mountain 0.12 176 Pn Pn 11 52 27.6 +0.1
G19K Purcell Mountain 0.12 176 Pn Pn 11 52 29.5 +0.4

H19K Roundabout Mou 0.78 160 Pn Pn 11 52 40.2 -0.1
H19K Roundabout Mou 0.78 160 Pn Pn 11 52 50.3 -0.1

F20K Avaraart Lake 0.96 34 Pn Pn 11 52 45.0 +0.3
F20K Avaraart Lake 0.96 34 Pn Pn 11 52 57.4 -0.5

G21K Allakaket 1.47 78 Pn Pn 11 52 51.8 -1.0
G21K Allakaket 1.47 78 Pn Pn 11 52 54.8 -0.8

H18K Honhosha River 1.23 206 Pn Pn 11 52 47.7 -1.1
H18K Honhosha River 1.23 206 Pn Pn 11 53 07.3 -0.8

G21K Allakaket 1.47 78 Pn Pn 11 52 51.8 -1.0
G21K Allakaket 1.47 78 Pn Pn 11 52 54.8 -0.8

H18K Honhosha River 1.23 206 Pn Pn 11 52 47.7 -1.1
H18K Honhosha River 1.23 206 Pn Pn 11 53 07.3 -0.8

G21K Allakaket 1.47 78 Pn Pn 11 52 51.8 -1.0
G21K Allakaket 1.47 78 Pn Pn 11 52 54.8 -0.8

H18K Honhosha River 1.23 206 Pn Pn 11 52 47.7 -1.1
H18K Honhosha River 1.23 206 Pn Pn 11 53 07.3 -0.8

G21K Allakaket 1.47 78 Pn Pn 11 52 51.8 -1.0
G21K Allakaket 1.47 78 Pn Pn 11 52 54.8 -0.8

H18K Honhosha River 1.23 206 Pn Pn 11 52 47.7 -1.1
H18K Honhosha River 1.23 206 Pn Pn 11 53 07.3 -0.8

G21K Allakaket 1.47 78 Pn Pn 11 52 51.8 -1.0
G21K Allakaket 1.47 78 Pn Pn 11 52 54.8 -0.8

H18K Honhosha River 1.23 206 Pn Pn 11 52 47.7 -1.1
H18K Honhosha River 1.23 206 Pn Pn 11 53 07.3 -0.8

G21K Allakaket 1.47 78 Pn Pn 11 52 51.8 -1.0
G21K Allakaket 1.47 78 Pn Pn 11 52 54.8 -0.8

H18K Honhosha River 1.23 206 Pn Pn 11 52 47.7 -1.1
H18K Honhosha River 1.23 206 Pn Pn 11 53 07.3 -0.8

G21K Allakaket 1.47 78 Pn Pn 11 52 51.8 -1.0
G21K Allakaket 1.47 78 Pn Pn 11 52 54.8 -0.8

H18K Honhosha River 1.23 206 Pn Pn 11 52 47.7 -1.1
H18K Honhosha River 1.23 206 Pn Pn 11 53 07.3 -0.8

G21K Allakaket 1.47 78 Pn Pn 11 52 51.8 -1.0
G21K Allakaket 1.47 78 Pn Pn 11 52 54.8 -0.8

H18K Honhosha River 1.23 206 Pn Pn 11 52 47.7 -1.1
H18K Honhosha River 1.23 206 Pn Pn 11 53 07.3 -0.8

G21K Allakaket 1.47 78 Pn Pn 11 52 51.8 -1.0
G21K Allakaket 1.47 78 Pn Pn 11 52 54.8 -0.8

3d 12h

Table with columns: SEY, Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Seymchan, Baker Lake, Petropavlovsk, etc.

NEIC 03 12:02:38.4±1.5, 37.02N±0.03, 100.24W±0.03, h5km±2km, mb_Lg2.2/22, ML2.7/9, ML2.9/36, Error ellipse: s-maj=6.0km s-min=2.9km az=328.0

NEIC 03 12:02:39.2±2.6, 36.96N±0.03, 100.21W±0.02, h6km±1km, Error ellipse: s-maj=6.6km s-min=3.2km az=7.0, Northwestern Texas-Oklahoma border region

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

2019 MAY

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MK31, MK31, MKAR, etc.

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Table with columns: OTUK, Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KK31, BVAR, USRK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Paradox Valley, comp=E,54nm,0.6s.

DJA 03 12:12:35.8:0.5,4.7S:5.14'E, h10km, MLv0.7, LVLv0.7

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

IDC 03 12:24:02.0:0.6,5.79S:153.63E, h99km, 63km, mb3.5/4,

ISC 03 12:24:01.8:1.5,5.85:0.3:153.7E:0.2, h100km, n9, s-min=38.9km az=77.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG, WRA, ASAR, H11S3, etc.

UCR 03 12:34:56.8:1.2,8.64N:83.24W, h26km, 2km, MW4.0

UPA 03 12:34:57.1:1.4,8.64N:83.20W, h12km, 5km, MW3.9

ISC 03 12:34:56.6:0.9,8.63N:0.03:83.25W:0.03, h23km, 5km, n67, r:0.95/78, ID, Costa Rica

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EDAD, FITO, PTJ1, etc.

NOU 03 12:39:58.1, 17:14S:167.71E, h12km, MLv4.2/15, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DVP, Devils Point.

Table with columns: VLAKA, INH, MARNC, KOUNC, YATNC, DZM, ONTNC, PINNC. Includes station names and coordinates.

IDC 03 12:41:56.8:5.8,20.05N:146.25E, h0km, mb3.7/6, mbt3.7/6, Error ellipse: s-maj=165.6km

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

STR 03 12:44:23.4:0.6,44.4N:4.4E, h0km, MLv1.4/7, Error ellipse: s-maj=0.0km s-min=0.0km az=125.4, preliminary

ROM 03 12:44:22.6:0.2,44.37N:0.01:8.18E:0.01, h0km, ML0.2, Error ellipse: s-maj=1.3km s-min=0.8km az=332.0, Northern Italy

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

ZUR 03 12:45:13.8,46.32N:8.40E, h3km, 8km, MLH0.3/2, C-1D, Error ellipse: s-maj=1000.0km s-min=1796.9km

ISC 03 12:51:51.9,35.06N:32.87E, h39km, 1km, ML2.0/14

AFAD 03 12:51:54.5,35.37N:32.83E, h9km, 5km, ML1.8

ISC 03 12:51:51.9,1.2,35.07N:32.84E, h48km, 2km, M2/3.9

ISC 03 12:51:52.6:0.0,34.91N:0.03:32.863E:0.009, h40km, n54, r:0.57/79, 4C-2D, Cyprus region

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TROD, LEF, ALFC, etc.

Table with columns: GULN, MERSIN, GAZI, GAZI. Includes station names and coordinates.

ISC 03 12:52:14.2:0.1, 25.27N:133.81E, h14km, 4km, ML2.6

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

WEL 03 13:01:00.8:0.9,32.5S:5.17W, h12km, M4.3/8, s-maj=22.5km s-min=3.3km az=104.1, confirmed

IDC 03 13:01:01.1:1.4,31.82S:177.91W, h0km, mb4.0/4, mbt3.4/0.5, ML3.3/1.7, Error ellipse: s-maj=39.8km s-min=31.8km az=58.0

ISC 03 13:01:04.1:1.0,31.82S:0.08:178.1W:0.2, h24km, n28, r:181/42, mb4.0/4, Kermadec Islands region

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

WRA Warramunga Arr 44.07 274 P 13 09 12.3 +1.9

QSPA South Pole Qui 58.30 180 P 13 10 57.4 +0.7

SNAAS Sanae 76.74 178 P 13 12 54.5 +1.5

KURBB Kurchatov Arra 121.99 313 PKP PKIKP 13 19 56.0 -0.1

BVAR Borovoye Array 127.34 315 PKP PKIKP 13 20 06.2 -0.5

FINES Fines Array B 146.48 339 PKP PKPbc PKIKP 13 20 44.0 -1.3

IDC 03 13:02:20.6:14.0, 13:09'N:88'80'W, h0km, mb3.2/3, mbt3.2/3, Error ellipse: s-maj=298.8km s-min=114.5km

GCG 03 13:02:29.8:0.5,12.95N:90.87W, h76km, 166km, MD4.4

SNEIT 03 13:02:31.9:0.3,13.07N:90.74W, h14km, 4km, ML2.6

ISC 03 13:02:30.4:2.1,12.9N:0.1:90.66W:0.07, h13km, n12km, n16, r:0.98/21, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NUBE, F8B, CEVE, etc.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like NVAR Mina Array Bea and YKA Yellowknife Ar.

ICD 03 13:26:44.7z.1.2.6.0BS.151.23E.h0km, mb3.8/7, mbtmp3.9/8, ML 1.9/1, MS3.3/8, Error ellipse: s-maj=46.6km

ISC 03 13:26:51.5z.1.1.61S.0.2.151.0E.0.2.h43km, n13, a1934/10, mb3.8/7, MS3.2/7, New Britain region

Main data table for the 3d 14h section, listing various stations, their codes, and associated seismic event details.

ICD 03 13:38:51.2z.7.8.2.43N.128.13E, h157km, 69km, mb3.5/9, mbtmp4.0/9, MS3.4/1, Error ellipse: s-maj=84.5km

DJA 03 13:38:55.4z.0.5.2.M4.4.12.18E.1. h165km, 5km, M4.2/13, mb5.1/1, mb4.3/5, MLv4.1/13, Mw(mb)4.4/1

ISC 03 13:38:50.2z.0.9.2.59N.0.10.128.5E.0.1, h150km, n18, a1552/18, mb3.7/8, Halmahera

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like TNTI Ternate, SGTI Sangihe, and MSVF Nonsavu.

ICD 03 13:48:09.3z.1.5.9.62S.125.92E, h0km, mb3.4/1, mbtmp3.4/4, ML3.4/3, MS2.9/1, Error ellipse: s-maj=78.8km

DJA 03 13:48:17.9z.1.5.9.5S.10x12.5E.1, h54km, 12km, M3.0/3, MLv3.0/3

ISC 03 13:48:13.4z.1.1.9.8S.0.11.125.69E.0.10, h35km, n8, a1578/12, Timor region

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like SOEI Soe, EDFI Ende, FITZ Fitzroy Crossi, and WRA Warramunga Arr.

STR 03 14:02:45.0z.0.6.45N.0.4.4z.1. h0km, MLv1.4/7, Error ellipse: s-maj=0.0km s-min=0.0km az=0.4, preliminary, France

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like GRN Grenoble, ORIF Oris-en-Rattie, and SSB Saint Sauveur.

2019 MAY

KOLA 03 14:19:56.4, 69.09N.33.58E, h0km, ML1.9, Error ellipse: s-maj=15.1km s-min=7.9km az=30.0, Murrans region, Closed territories, Baltic States-Belarus-Northwestern Russia

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like TERR Teriberka, APAO Apattyty Array, VADS Vadso, and ARCES ARCESS Array B.

BER 03 14:20:28.3z.1.9.66.45N.13.34E, h0km, gkm, ML1.2, 1C-3D, Confirmed Earthquake, Northern Norway

Main data table for the 2019 MAY section, listing various stations and their associated seismic event details.

SSNC 03 14:23:16.4z.1.4.19.82N.70.89W, h10km, 11km, MD3.4, ML3.3, MW2.8

OSPL 03 14:23:19.9z.1.8.19.76N.71.28W, h0km, 24km, ML2.6

SDD 03 14:23:20.1z.2.0.19.74N.71.30W, h20km, 11km, MD3.4, ML3.0, MW3.3

ISC 03 14:23:19.7z.1.0.19.73N.0.03.71.27W.0.02, h10km, 8km, n18, a0985/36, 9C-3D, Dominican Republic region

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like MADR Mao Valverde, LUDR Luperon, MCDR Montecristi, and SDRR Presa de Saban.

BANI BANI 1.59 147f eP Pb 14 23 48.0 +0.1

GRTK Grand Turk 1.77 4 eP Pb 14 23 50.1 +0.3

HATOM Hato Mayor del 2.02 117f eP Pb 14 23 55.8 +0.7

MIDR Miches 2.23 109 eP Pb 14 24 28.1 +0.5

MASC Masc 2.82 279 eS Pb 14 24 04.2 +0.6

QMBU Quimbuélo 3.36 279 eS Pb 14 24 52.7 +0.4

RCC Rio Carpintero 4.17 274 eP Pb 14 24 23.0 +0.4

NEIC 03 14:28:32.9z.1.6.19.34N.0.01.155.11W.0.01, h5km, 1km, Error ellipse: s-maj=2.8km s-min=2.5km az=110.0

HVO 03 14:28:32.4z.1.2.19.36N.0.01.155.09W.0.01, h7km, 2km, ML3.3/46, ML3.4/42(NEIC), Error ellipse: s-maj=2.1km s-min=1.1km az=142.0, Hawaiian Islands

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HATOM Hato Mayor del, MIDR Miches, MASC Masc, QMBU Quimbuélo, and RCC Rio Carpintero.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like KANH Kane Nui o Ham, JOKA Jonika Flow, and PUAH Pauahi.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like BYLN Byron's Ledge, KKO Keanakakoi, and HATHI Halema'uma'u T.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like RIM Rim, SBLHI Steaming Bluff, and UWB Uwekahuna Bluf.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like OBSL Observatorio Le, SDHHI Sand Hill, and UWE Uwekahuna.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like WRMHI West Rim, RSD Rainshed, and HLP Hilina Pali.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HLP Hilina Pali, MLH Mauna Loa, and MLH Mauna Loa.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HTP Hot Caves, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

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Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

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Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

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Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

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Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with 6 columns: Station, Time, Res, Azimuth, Distance, Magnitude. Includes stations like HMM Hualai'u Shee, HMM Hualai'u Shee, and HMM Hualai'u Shee.

Table with columns: Station Name, Elevation (eS), Station Type (Sn), Time, and Residual (Res). Includes stations like PB11, PB06, AF01, PB05, etc.

Table with columns: Station Name, Elevation (eS), Station Type (Sn), Time, and Residual (Res). Includes stations like MAL2, JANB, BOA6, RIB01, etc.

Table with columns: Station Name, Elevation (eS), Station Type (Sn), Time, and Residual (Res). Includes stations like WRA, ASAR, ASAR, ASAR, etc.

WEL 03 15:14:33.7±1.0, 32°S 5°17'7E±1'8, h12km, M3.9/12, mB4.3/4.0, ML4.4/1.5, MLv4.0/1.2, Mw(mB)3.5/4.0, Error ellipse: s-maj=23.9km s-min=7.1km az=93.0, confirmed, North of New Zealand

IDC 03 15:04:13.1±1.9, 7°07'N:127°24'E, h0km, mb3.3/3, mbtmpt3.3/3, Error ellipse: s-maj=44.5km s-min=23.0km az=37.0, Philippine Islands region

NEIC 03 15:07:37.4±1.2, 14°38'S:0°08'168"E:0.1, h62km, 15km, mb4.5/1.0, Error ellipse: s-maj=22.3km s-min=4.6km az=61.0

NOU 03 15:07:37.8, 15°05'S:167°41'E, h1km, mb5.1/26, Vanuatu Islands

IDC 03 15:07:38.7±3.6, 15°02'S:167°86'E, h52km, 32km, mb3.7/9, mbtmpt4.1/1.1, ML4.6/2, MS3.3/9, Error ellipse: s-maj=29.0km s-min=20.1km az=86.0

ISC 03 15:07:38.9±0.7, 14°95'S:0°06'167.7"E:0.09, h50km, n54, r150/49, mb4.0/1.4, MS3.2/6, Vanuatu Islands

AFAD 03 15:32:59.7, 38°19'N:26°06'E, h7km, 2km, ML2.5, ATH 03 15:33:00.4, 38°19'N:26°05'E, h13km, 4km, ML2.3/5, Manual Solution by A. Plessa First location: 2019/05/03 15:34:17, This location: 2019/05/03 16:37:33 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 4 km; Longitude uncertainty: 4 km

ISC 03 15:33:00.4, 38°02'N:26°06'E, h9km, ML2.5/23, ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

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ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

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ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

ISC 03 15:33:00.5±0.9, 39°00'N:02°26'04"E:0.03, h11km, gkm, n42, c056/58, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URZ Urewera, STKA Stephens Creek, QSPA South Pole Qui, etc.

OSPL 03 17:26:18.4-1.9, 79.73N; 71.29W, h0km, 25km, ML2.3
SDD 03 17:26:18.5-1.7, 79.73N; 71.20W, h14km, 42km, MD3.1,
ML2.5, MW2.8

ISC 03 17:26:15.6-1.1, 19.77N; 0.03-71.21W; 0.04, h1km, 11km,
n13, c0.63/21, 6C-2D, Dominican Republic region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LUDR Luperon, MCDR Montecristi, LODA1 TESIL, Dajabo, etc.

ISC 03 17:28:53.3-1.9, 4.20N; 126.82E, h0km, mb3.7/4,
mbmp3.7/4, Error ellipse: s-maj=189.4km s-min=21.1km
az=67.0
DJA 03 17:28:59.3-0.9, 4.7N; 127.7E, h27km, 3km, M3.9/9,
mb4.0/6, ML3.8/9
ISC 03 17:28:58.9-1.1, 4.2N; 0.1; 126.71E; 0.09, h35km, n9,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SGSI Sangihe, SANSI Sanana, SANSI Sorong, etc.

UPA 03 17:31:28.9-0.8, 8.49N; 84.93W, h26km, 999km, ML3.9
UCR 03 17:31:30.0-1.0, 10.26N; 84.30W, h92km, 2km, MW3.9
ISC 03 17:31:30.5-1.6, 10.17N; 0.06; 84.33W; 0.04, h92km, 2km, n67, c0.56/91, 1D, Costa Rica

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NARAN Naranjo de Ala, VPS8 V Posas, TCS1 Tacares, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SGSI Sangihe, MRSI Marisa, JAY Jayapura, etc.

s-maj=25.2km s-min=14.5km az=74.0
DJA 03 17:41:55.6-0.2, 4.5S; 2.13E, h10km, M4.7/4,
mb4.7/3, mb5.2/12, MLV5.0/12, Mw(mB)4.6/12,
MwMwp4.4/1, Mwp4.8/1
NEIC 03 17:41:57.3-1.6, 4.16S; 0.03; 136.36E; 0.08, h28km, 6km,
mb4.7/3, Error ellipse: s-maj=12.2km s-min=2.6km
az=76.0
BUJ 03 17:41:57.5-4.1, 13S; 136.30E, h37km, mb5.0/8, mb4.7/41,
Ms4.4/6, Msr7.4/14
ISC 03 17:41:57.2-0.4, 4.22S; 0.04; 136.31E; 0.04, h27km, n173,
c1.753/165, mb4.6/68, MS3.7/15, 2D, Irian Jaya region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SRPI Serui, Papua, BKAI Biak, SMPI SMPi, etc.

Table with columns: Station, Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like NWA0, QIZ, JNU, etc.

Table with columns: Station, Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like AB31, ABKR, J19K, etc.

Table with columns: Station, Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like DZM, WRA, WRB, etc.

ADC 03 18:01:37.1, 1.2, 5.9, 0.6S x 149.35E, h0km, mb4.3/6, mbmp4.3/7, ML3.5/1, MS3.9/29, Error ellipse: s-maj=67.0km s-min=16.4km az=85.0

NEIC 03 18:01:39.0, 1.2, 5.9, 0.9S x 149.140E, 0.2, h10km, 1km, mb4.7/31, Error ellipse: s-maj=20.9km s-min=4.9km az=135.0

GCMT 03 18:01:41.0, 0.2, 5.9, 1.0S x 149.22E, 0.03, h12km, MW6.9/94, Moment Tensor Solution. s33,c43; s94,c140; Duration: 0 Moment tensor: Scale 10^19Nm; Mir-0.02s; 08; Mw0.133; 07; Mbb-1.31; 08; Mlo-1.53; 21; Mbb-2.11; 06; Mw0.01; 21; Best double couple: M2.90200 x 10^16

NP1.0s346.00000, s60.00000, A.150.00000. Principal axes: T 3.0980, P1g24.0000, Azm206.0000, N -0.3890, P1g60.0000, Azm266.0000, P -2.7070, P1g17.0000, Azm304.0000; nst2 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 03 18:01:39.0, 0.5, 5.9, 11.5S x 149.1E, 0.1, h10km, n99, c1808/63, mb4.7/20, MS4.0/28, 4D, West of Macquarie Island

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like TAU, WHZ, MLZ, etc.

WEL 03 18:02:21.0, 0.8, 3.3, 3.7 x 17.7W, 1.6, h12km, mb4.7/7, ML4.8/16, MLv4.5/12, Mw(mb)4.0/7, Error ellipse: s-maj=22.3km s-min=6.0km az=110.8, confirmed

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Raoul Island, Matakaoa Point, Waiomatatini S, Pakihiroa, Te Kaha, Puketiti, Raukumara Rang, Tawharepareae, Carnagh Statio, Kuaotunu, Matawai, Urewera, Rimuhau, Paritu Road, Shannon Statio, Murupara, Rautahuna, Waipu Caves, Maungataniwha, Omahuta, Marea Rd, Naumai, Black Stump Fm, Kaweka Forest, North Tongarir, Kahurangi, Haurangi, Rata Peaks, Alice Springs, Warramunga Arr, Vanda, Kurchatov Arr, ARCES Array B, FINES Array B, MMAI Mount Meron Ar, HFS Hagfors, BRTR Keskin Array B.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Nanjuang, Renai, WWD, WNSB, WHP, HGS, JKRS, EHY, WCS, NMLH, JLU, WHT, TWQ1, SMLT, SSSLB, YULB, TYC, EYUL, TWYF, JISG, CHKX, WHYT, FULB, FULT, WNT, MINGJIAN, ALS, CHNS, EDHS, EDH, WTK, WCKO, CHNS, JIRB.

ISK 03 18:04:49.9, 39:05N-26:07E, h8km, ML3.1/41
AFAD 03 18:04:49.2, 39:00N-26:07E, h7km, ikm, ML3.2
ATH 03 18:04:49.3, 38:98N-26:06E, h11km, 4km, ML2.9/16,
Manual Solution by A. Plessa First location: 2019/05/03
18:06:00; This location: 2019/05/03 19:36:53 ML
Amplitudes are expressed in micrometers. All distances
are expressed in degrees Latitude uncertainty: 3 km;
Longitude uncertainty: 4 km

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SIGR, EAG2, EAG3, GPNR, KCCA, KCCA, FOCM, DKL, DKL, EME, EZNE, BAYC, BOZC, BOZC, FZN, ELCB, EFSA, YAYO, ECEA, CNKL, GAD, GAD, CANM, VENE, GELI, LPK, SMTH, KYMI, KARN, ENZZ, GONZ, GORD, CAVK, CAVK, CAVK, ERIK, ODEM, ENEZ, AYDB, SUSR, ALEX, RKY, ALN, THAS, EDC, PTI, NAZL, PAIG, PAIG, PAIG, BAND, BAND, GURD, OUR, OUR.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULA, VLY, BODT, MLSP, UKOP, KCXY, RDO, RDO, SIMA, VIL2, KAVA, KOKK, ORLH, MET4, CRTL, MET5, LTK, ARMT, KDZ, SOH, HORT, HORT, AGG, AGG, LIT, TYRN, TYRN, MAKR, THL, KNT, CHX, RAZG, BOVS, HERR, VOIR, MLR, MDRV, GZR, VRI, SURR, TERS, MARR, BURAR.

IDC 03 18:23:15.0:1.1, 0:24S; 124:48E, h0km, mb3.7/5,
mbmp3.8/6, ML3.6/1, MS3.4/5, Error ellipse:
s-maj=114.6km s-min=19.2km az=65.0
DJA 03 18:23:19.8:1.0, 0:2S; 12:5E, h19km, 9km, M4.1/14,
mb5.0/1, mb4.5/3, ML3.9/14, Mw(mb)4.4/1
ISC 03 18:23:20:7.0, 0.25S; 0:06E, 124:57E:0.04, h35km, n20,
mb3.7/5, mb3.7/5, MS3.7/4, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KMSI, LUWI, SANI, MRSI, TMTI, NTLI, AAI, MASO, BNSI, DAV, FITZ, WRA, ASAR, STKA, MKAR, AAK, KURB, AKTO, KBZ, AKASG.

SDD 03 18:36:20.9:2.2, 19:75N:71:19W, h20km, 13km, MD3.3,
ML3.0, MV3.4
OSPL 03 18:36:21.7:2.2, 19:72N:71:25W, h0km, 16km, ML2.8
SSNC 03 18:36:22.1:1.8, 19:66N:71:19W, h5km, MD3.4, ML3.1,
MV3.5
ISC 03 18:36:18.2:1.1, 19:78N:0:02:71:22W:0:03, h13km, 9km,
n24, i123/38, 3C, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MADR, LUDR, LUDR, MCDR, MCDR, LODA1, LODA1, SC01, SC01, REDR, REDR, SDDR, SDDR, SDDR, SDDR, ABDR, ABDR, NEDR, NEDR.

3d 20h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NEDR, JIDR, BANI, PODR, GRK, etc.

ATH 03 18:48:58.9, 38°98'N, 26°06'E, h12km, 3km, ML2.8/6, Manual Solution by S.Kourakis First location: 2019/05/03 18:50:10. This location: 2019/05/06 07:28:10 M

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

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

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

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

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

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

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

2019 MAY

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

IDC 03 18:56:38.0, 1.6, 6.6765, 159.99E, h0km, mb3.8/4, mbTmP3.8/5, ML3.5/1, MS3.2, Error ellipse: s-maj=42.3km s-min=18.2km az=94.0, Bougainville-Solomon Islands region

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H1S3, H1S2, H1S1, etc.

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

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

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

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

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

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

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

IDC 03 19:34:03.6, 0.6, 34°42'N, 136°27'E, h365km, 6km, mb3.2/15, mbTmP4.0/23, Error ellipse: s-maj=10.4km s-min=9.7km az=103.0

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

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

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

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

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

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

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

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

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

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

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like SGI, KMSI, MRSI, SANI.

FLUNV 03:20:18:34.3, 8.62N, 71.13W, h5km, MW3.0
RSNC 03:20:18:37:3.0, 9.0N, 8.7W, 11W, h29km, 15km, M2.6, ML2.4

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like SOCV, SDV, CAPV, PAMC, OCAC, etc.

LDG 03:20:25:55.0, 4.0, 47.80N, 4.00W, h1km, M3.2/2, M3.0/24, Error ellipse: s-maj=1.8km, s-min=1.1km

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like OLIV, PLOF, QUIF, CAMF, ROSF, etc.

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like BEGF, PLEF, JSA, LOUF, etc.

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like FLN, DYA, LDF, MFF, etc.

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like LFF, TCF, RJJF, etc.

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like BGF, SJPF, CAF, etc.

2019 MAY

Table with columns: Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like JAGF, LASF, VIVF, etc.

CATAC 03:20:27:10.2, 0.5, 11N, 3.8W, h79km, 5km, M2.7/13, ML2.7/13, Error ellipse: s-maj=9.4km, s-min=3.9km

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like ARIN, JAPN, CARN, etc.

DJA 03:20:36:48.7, 0.6, 2S, 6.13E, h15km, 8km, M3.8/6, mb4.3/1, MLV3.5/6, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like SMPI, GENI, JAY, etc.

IDC 03:20:48:27.3, 1.7, 38.62N, 109.97E, h0km, mb3.3/5, mbtmp3.3/5, MS3.3/1, Error ellipse: s-maj=59.9km

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like MKAR, CMAR, BVAR, GNI, etc.

TRN 03:20:05:2, 13.71N, 60.50W, h42km, MD3.7, ID, East of Saint Lucia, Windward Islands

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like SLAC, SLBC, SLBI, etc.

IDC 03:21:08:02.8, 2.3, 1.43N, 91.71E, h0km, mb3.5/5, mbtmp3.5/5, MS3.0/1, Error ellipse: s-maj=106.4km

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like MLSI, BSI, GSI, etc.

3d 21h

Table with columns: Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like H08S2, H08S3, H08S1, etc.

RSNC 03:21:23:07.1, 0.0, 7N, 1.7W, h153km, 2km, M3.0, mb3.6, ML2.8, Northern Colombia

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like BARC, BRJC, PAMC, etc.

NEIC 03:21:30:09.9, 1.7, 44.51N, 0.05, 105.4W, 0.1, h0km, 1km, az=73.0, Error ellipse: s-maj=13.7km, s-min=8.1km

IDC 03:21:30:10.9, 1.1, 44.35N, 105.55W, h0km, mb3.9/4, mbtmp3.6/11, ML3.4/7, Error ellipse: s-maj=23.2km

ISC 03:21:11.3, 0.8, 44.49N, 0.06, 105.36W, 0.06, h0km, n39, r1505/36, mb4.0/4, Wyoming

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like K22A, LAO, RLMT, etc.

3d 21h

Table with columns: YMR, SNOW, TPWAU, YHL, YHL, AHID, AHID, BOZ, O20A, O20A, RDMU, RDMU, DLMT, DLMT, HWUT, HWUT, ELK, ELK, IHOCA, ULM, ULM, ULM, NEW, NEW, NVAR, YBH, YKA, ILAR, PETK, ZALV, MKAR. Each row contains station name, coordinates, and other data.

IDC 03 21:30:38.5:1.2, 9:03N-83:02W, h0km, mb4.2/9, mbmp4.2/9, MS3.38, Error ellipse: s-maj=42.6km s-min=25.9km az=54.0

UCR 03 21:30:41.2:1.2, 9:33N-83:27W, h8km, km, MW4.8, Fault plane solution: NP1#258.46000°, 884.28000°, -34.59000°

CATAC 03 21:30:41.5:0.3, 9:33N-83:27W, h1km, km, M4.9/19, mb5.2/5, mb5.7/2, MLV4.8/19, Mw(mb)5.3/2, Error ellipse: s-maj=8.2km s-min=5.2km az=31.8, confirmed

UPA 03 21:30:41.2:3.3, 9:33N-83:16W, h4km, 13km, ML4.6, MW4.7

NEIC 03 21:30:43.1:2.6, 9:30N:03:83:22W:0.07, h10km, 1km, mb4.6/51, Error ellipse: s-maj=12.2km s-min=3.5km az=68.0

ISC 03 21:30:41.3:0.8, 9:33N:02:83:23W:0.02, h10km, 5km, n379, e290/396, mb4.5/39, MS3.3, 52C-4D, Costa Rica

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

2019 MAY

Main table with columns: Station Name, Az, Phase ID, Time, Res. Lists seismic events with station names and coordinates.

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Table with columns: Station Name, Az, Phase ID, Time, Res. Lists seismic events with station names and coordinates.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like J26L Joseph Creek, P23K Montaez Islan, I26K Coal Creek Min, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like G21K Allakaket, F21K Alatina River, F21K Alatina River, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RIGZ Rimuhau, RIGZ Murupara, RIGZ Ruatahuna, etc.

NNC 03 21:50:03.5:0.7, 43.19N:78.30E, h6km, gkm, mpv3.0, Error ellipse: s-maj=7.1km s-min=3.4km az=137.0

SOME 03 21:50:04.6:43.22N:78.28E, h5km, Error ellipse: s-maj=7.1km s-min=3.4km az=137.0

ISC 03 21:50:04.3:1.5, 43.20N:0.05:78.29E:0.04, h9km, g15km, n8, e02:16, Lake Issyk-Kul region

IDC 03 22:04:28.1:6.4, 30.28S:179.75W, h377km, 53km, mb3.4/4, mbmp4.2/5, Error ellipse: s-maj=65.5km s-min=23.1km az=39.0

WEL 03 22:04:35.7:1.2, 31.57S:177.8E:1.2, h12km, M4.3/7, mb4.8/6, ML4.9/8, MLV4.5/7, Mw(mb)4.0/6, Error ellipse: s-maj=17.7km s-min=4.2km az=118.6, confirmed

ISC 03 22:04:31.9:0.9, 30.71S:179.00E:0.08, 180E:0.1, h400km, n28, e25:20/44, mb3.5/4, Kermadec Islands region

LDG 03 22:07:29.8:0.1, 45.41N:6.27E, h2km, Md1.9/3, Ml2.0/17, Error ellipse: s-maj=1.3km s-min=1.1km az=73.0

STR 03 22:07:29.9:0.2, 45.41N:6.27E, h5km, MlV1.4/11, Error ellipse: s-maj=0.0km s-min=0.0km az=69.1, preliminary, France

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like LPL La Plagne, LPL La Plagne, LPL La Plagne, etc.

M:6.84000x10^16 NPI:5.182.00000, delta.00000, ... Principal axes: T 6.4670, Plg73.0000, Azm265.0000; N 0.7440, Plg1.0000, Azm359.0000; P -7.2130, Plg17.0000, Azm90.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

DJA 03 22:22:39.0, 0.4, 4 N, 3 x 12 7E+, h40km, 3km, M5, 0.73, mb5.2/73, mB5.5/39, MLV5.3/16, Mw(mB)4.9/39, MwwMp4.9/19, Mwps5.2/19

ISC 03 22:22:37.2, 0.3, 4.08N, 0.03x126.72E, 0.04, h41km, 2km, h41km, P: P, n: 876, r: 1242/879, mb5.0/12, MS4.4/91, 4C6-16D, Talaud Islands

Table with columns: Code, Station Name, Az, Phase, ISC, Time, Res. Lists stations like SANGHE, DAVAO CITY (W), DAVAO CITY (E), etc.

Table with columns: FITZ, Station Name, Az, Phase, ISC, Time, Res. Lists stations like FITZROY CROSSI, FITZROY CROSSI, FITZROY CROSSI, etc.

Table with columns: ENH, Station Name, Az, Phase, ISC, Time, Res. Lists stations like ENSHI, CHIANG MAI, CHIANG MAI, etc.

Table with columns for station code, name, frequency, power, and coordinates. Includes stations like LCRK, KLBR, BJT, etc.

Table with columns for station code, name, frequency, power, and coordinates. Includes stations like GTA, GTO, ARPS, etc.

Table with columns for station code, name, frequency, power, and coordinates. Includes stations like KSH, YAK, MA2, etc.

3rd 22h

Table with columns for station name, coordinates, elevation, and various data points. Includes stations like BRVK Borovoye, TIKSI Tiksi, and many others.

2019 MAY

Table with columns for station name, coordinates, elevation, and various data points. Includes stations like MAK MAK, L17K Donlin, K17K Iditarod, and many others.

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Table with columns for station name, coordinates, elevation, and various data points. Includes stations like G21K Allakaket, B21K Ikpikpuk River, and many others.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like MCK McKinley, E23K Chandalar, RND Reindeer, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like C26K Camden Bay, RIDG Independent Ri, B26K Burt Mountain, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like BR131 Keskin Array S, BRTR Keskin Array B, G31M Satah River, etc.

0.2nm,0.6s,baz=99,slow=9.3,SNR=2.0
0.2nm,0.6s

BUI 03 22:46:10.5, 4.17N;126.65E, h15km, mB5.1/8, mb4.7/41
DJA 03 22:46:13.9, 0.8, 4 N;8.12 7E, h10km, M4.9/15, mB5.4/8,
mB4.9/15, MLv4.9/14, M/m(B)4.8/8
NEIC 03 22:46:14.1, 1.4, 4.3N;0.08;127.00E;0.08,h35km;2km,
mb4.7/36, Error ellipse: s-maj=14.7km s-min=9.2km
az=248.0
IDC 03 22:46:16.8, 2.4, 4.12N;126.60E, h53km;20km, mb4.1/20,
mbmp4.3/21, ML4.3/1, MS3.5/7, Error ellipse:
s-maj=28.2km s-min=10.4km az=70.0
ISC 03 22:46:14.0, 4.27N;0.05;126.91E;0.07, h35km, n107,
o157/104, mb4.6/45, MS3.5/6, 2D, Talaud Islands

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

2019 MAY

Main seismic data table for May 2019. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC. Contains numerous entries for stations like HHC, BTO, SHL, etc., with associated seismic event details.

Continuation of seismic data table for May 2019. Columns include Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SERG, VLX, MTHA, etc., and includes event details.

Table with columns for station name, time, and other parameters. Includes stations like APQ2 Apoyeque, CUI Cuipiapa, HUGN San Francisco L, etc.

TXNET 03 23:40:06.5,31.1N,0.7:103.3W,0.7,h3km,ML3,0/13, Error ellipse: s-maj=1.0km s-min=1.0km az=110.3,final

NEIC 03 23:40:06.9,31.11N,0.01:103.248W,0.07, h5km,3km,mb_Lg2.9,6km,ML3.0/86, Error ellipse: s-maj=2.0km s-min=1.7km az=178.0,Western Texas

Main table of station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like TPB16 Coyonosa, TPB04 Verhalen, TPB05 Hovey Rd, etc.

Table with columns for station name, time, and other parameters. Includes stations like DKNS Dickens, ABTX Abilene, Hawle, etc.

DJA 03 23:40:47.7,0.7,0.3S,3.12E, h35km,16km, M4.2/13, mB5.8/2, mb5.2/1, MLV3.7/13, Mw(mB)5.4/2, Minahassa Peninsula, Sulawesi

Table with columns for station name, time, and other parameters. Includes stations like LUWI Luwuk, MRSI Marisa, etc.

DJA 03 23:47:40.3,0.6,1.4N,4.12E, h125km,11km, M3.7/10, mB5.3/1, mb3.7/3, MLV3.7/10, Mw(mB)4.7/1, Northern Molucca Sea

Table with columns for station name, time, and other parameters. Includes stations like SANI Sanana, LUWI Luvuk, etc.

DJA 03 23:56:31.0,0.6,8.5S,4.107E, h25km,5km, M4.0/13, mB5.2/1, mb4.2/3, MLV3.9/13, Mw(mB)4.5/1, Jawa

Table with columns for station name, time, and other parameters. Includes stations like CNJI Cibinong, LEIM Lembang, etc.

DJA 04 00:02:34.5,0.8,6.6N,4.12E, h175km,9km, M4.1/8, mB4.9/2, mb4.0/6, MLV4.1/8, Mw(mB)4.1/2, Mindanao

Table with columns for station name, time, and other parameters. Includes stations like SGGI Sangihe, TMTI Ternate, etc.

IDC 04 00:07:44.3,0.5,2.4S,4.40S, 115:98W, h0km, mb4.2/21, mDmp4.2/21, MS4.7/43, Error ellipse: s-maj=0.5km s-min=1.4,4km az=67.0

MOS 04 00:07:46.0,1.5,24.3S,115:68W, h10km, mb5.1/29, Error ellipse: s-maj=12.1km s-min=8.4km az=81.8

NEIC 04 00:07:47.1,24.48S,115:84W, h22km NEIC 04 00:07:47.1,23.78S,115:73W, h22km, Moment Tensor Solution. Duration: 30 Moment tensor: Scale 10^17Nm; M=0.20; Mxx=-1.71; Myy=1.51; Mzz=3.3; Mxy=1.57; Myz=0.71; Mxz=0.19; Mxy=1.51; Mzz=3.3; Mxy=1.57; Myz=0.71; Mxz=0.19; Mxy=1.51; Mzz=3.3; Mxy=1.57; Myz=0.71; Mxz=0.19

Main table of station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like RKT Rikitea, RKT 40um,27.2s, etc.

Table with columns for ZAK, location, time, and various codes. Includes entries like Hyderabad, Zeya, Morawa, Tymoovskoe, etc.

Table with columns for SATY, ZHN, ZHH, WHY, KSH, KSH, KSH, KSH, etc. Includes entries like Zhnishke, Zhnishke, Whyalia, Kashi, etc.

Table with columns for KURK, ARMA, ARMA, ARMA, ARMA, KBL, KBL, KBL, MA2, MA2, MA2, MA2, etc. Includes entries like Kurchatov, Kurchatov, Kurchatov, Kurchatov, etc.

Table with columns for station ID, name, elevation, and various performance metrics (e.g., Iamb, IAMS_20, IAMS_200).

Table with columns for station ID, name, elevation, and various performance metrics (e.g., Iamb, IAMS_20, IAMS_200).

Table with columns for station ID, name, elevation, and various performance metrics (e.g., Iamb, IAMS_20, IAMS_200).

Table of radio station data for call letters NC201 through BRG. Each entry includes station name, frequency, power, and other technical details.

Table of radio station data for call letters BRG through YKA. Each entry includes station name, frequency, power, and other technical details.

Table of radio station data for call letters YKAWI through NVAR. Each entry includes station name, frequency, power, and other technical details.

Table with columns: CODE, STATION NAME, AZ, AZ', PHASE ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like FINES, ESDC, WRA, NVAR.

NOU 04 02:04:28.3, 38.32S; 174.22E, h4km, MLV3.3/10, North Island, New Zealand

WEL 04 02:04:29.3, 0.6, 38.32S; 174.4E; h12km, M3.4/14, MLV3.7/14, MLV3.4/14, Error ellipse: s-maj=6.4km

s-min=2.8km az=137.3, confirmed

ISC 04 02:04:28.7-1.2, 38.38S; 02:04:27.26E; 0.03, h11km, 10km, n97, c0569/111, North Island

Main station list table with columns: Code, Station Name, AZ, AZ', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Lists numerous stations across various regions.

RNSC 04 02:36:55.3; 0.0, 5'N; 177.6'W; h107km, 2km, M2.3, mb3.8, ML2.2, Colombia

Table with columns: Code, Station Name, AZ, AZ', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Lists stations in Colombia.

Table with columns: CODE, STATION NAME, AZ, AZ', PHASE ID, Op, ISC, h, m, s, ISC, Time, Res. Lists stations in Chile and Argentina.

NEIC 04 02:41:30.9; 1.9, 38.28N; 0.06; 141.87E; 0.08, h35km, 2km, mb4.6/75, Error ellipse: s-maj=12.1km s-min=7.6km az=136.0

BGR 04 02:41:30.2, 38.72N; 142.12E, h10km, mb4.5

NIED 04 02:41:31.4, 38.30N; 141.88E, h46km, MW4.5, Moment Tensor Solution, s3 Moment tensor: Scale 10^19Nm

Mm=4.57, Mw=0.61, Mm3=3.96, Mw2=5.8, Mw3=2.17, Mw4=9.8; Fault plane solution: M2=7.38000x10^15 N/m^2

p=205.00000; s=320.00000; t=188.00000. NP2: p=27.00000; t=370.00000; s=91.00000

JMA 04 02:41:31.4; 0.0, 38.3N; 0.3; 141.9E; 0.6, h46km, MD4.5/40, MW4.6/40, E OFF MIYAGI PREF

JMA Felt J1 at E OFF MIYAGI PREF

IDC 04 02:41:32.0; 0.4, 38.29N; 141.92E, h52km, 3km, mb4.2/40, mbmp4.4/48, MS3.7/28, Error ellipse: s-maj=10.2km s-min=6.9km az=122.0

ISC 04 02:41:31.6; 0.4, 38.25N; 0.03; 141.96E; 0.04, h49km, 3km, h50km; p-P, n466, c191/1436, mb4.6/123, MS3.8/27, 12C-30D, Near east coast of eastern Honshu

Main station list table with columns: Code, Station Name, AZ, AZ', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Lists stations in Chile, Argentina, and other regions.

Main station list table with columns: CODE, STATION NAME, AZ, AZ', PHASE ID, Op, ISC, h, m, s, ISC, Time, Res. Lists stations in Chile, Argentina, and other regions.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, and various station identifiers like GLVR, YUK, YUK, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, and various station identifiers like NIKH, NIKH, NIKH, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, and various station identifiers like O19K, Q20K, J16K, etc.

IDD 04 02:56:23.6:0.9,52:32N:170:68W,h0km,mb4.1/25, mbmp4,1/28,ML3.2/2,MS3.4,Error ellipse: s-maj=26.9km s-min=14.8km az=175.0 NEIC 04 02:56:29.3:2.6,52:0N:0.1:170:45W:0.09,h35km,1km, mb3.9/61,ML4.2/16,ML4.0(AEIC),Error ellipse: s-maj=19.2km s-min=6.3km az=159.0 AEIC 04 02:56:30.2:3.4,52:2N:0.1:170:54W:0.08,h20km,6km, Error ellipse: s-maj=18.9km s-min=4.3km az=160.0 ISC 04 02:56:28.5:1.5,52:55N:0.1:170:59W:0.05,h24km,10km, n364,r15/6/350,mb4.1/37,Fox Islands

4d 3h

2019 MAY

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, and other technical details for stations 4d 3h.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, and other technical details for stations 2019 MAY.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, and other technical details for stations 148.

IDC 04:03:20:49.4.5.1, 14:34Sx167.40E, h202km, 46km, mb3.4/6, mbtmp3.9/7, Error ellipse: s-maj=37.6km s-min=26.9km az=168.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, Time, Res, and other technical details for stations 148.

IDC 04:03:44:48.5.4.7, 5:33S:132.01E, h0km, mb3.8/1, mbtmp3.6/3, ML3.6/2, Error ellipse: s-maj=317.8km s-min=31.2km az=74.0, Au Islands region

IDC 04:33:42.0.0.6.24.20S:115.89W,h0km,mb4.21km
mtbpm4.2/12,MS4,139,Error ellipse: s-maj=24.2km
s-min=18.3km az=71.0
NEIC 04:33:43.1.1.8.24.2S:01.115.9W:0.1,h10km,1km,
mb5.0/198,Error ellipse: s-maj=22.2km s-min=20.3km
az=299.0
GCMT 04:33:44.1.0.2.24.53S:0.01.115.93W:0.01,h12km,
MW4.9/103,Moment Tensor Solution. s38,c47;
t303,c149; Duration: 0 Moment tensor: Scale 10^16Nm;
M=0.18z-0.7; Mxx=1.87z-0.7; Myy=2.05z-0.7; Mzz=0.83z-2.0;
Mxy=2.10z-0.6; Mxz=0.08z-2.0; Best double couple:
Mz=2.99400z+1016 NP1=0.159 0.0000z, 0.874 0.0000z,
lambda=1.75 0.0000z. NP2=0.68 0.0000z, 0.85 0.0000z,
lambda=1.6 0.0000z. Principal axes: T 3.0150, Plg7.0000z,
Azml114.0000z; N -0.0420, Plg73.0000z, Azm230.0000z;
P -2.9730, Plg15.0000z, Azm22.0000z; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

ISC 04:33:42.7.0.4.24.1S:01.115.97W:0.06,h10km,n243,
p156/128,mb5.0/100,MS4,1/41,3D,Southern East

Table with columns: Code, Station Name, Az, AzP, Op, Phase ID, ISC, Time, Res, ISC. Contains station data for stations like Rikitea, Nuku Hiva Isla, Tubaui, etc.

Table with columns: HSIG, Station Name, Az, AzP, Op, Phase ID, ISC, Time, Res, ISC. Contains station data for stations like Porto Martinho, Tefe, Pontes e Lacer, etc.

Table with columns: Station Name, Az, AzP, Op, Phase ID, ISC, Time, Res, ISC. Contains station data for stations like Boulder Array, Pinedale Array, etc.

4d 5h

2019 MAY

Table with columns: Station, Frequency, Power, and other technical details for stations like MKAR, AKTO, KURBB, etc.

Table with columns: Station, Frequency, Power, and other technical details for stations like LABN, SHL, ERBR, SOC, RAYN, etc.

Table with columns: Station, Frequency, Power, and other technical details for stations like HHC, NRIK, KOLS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PB09, PB09, SALTA, SALTA, IPOC Station P, etc.

NMC 04 07:21:15.6:0.6,50.82N:73.52E,h0km,mb3.6,mpv3.3, Error ellipse: s-maj=7.0km s-min=5.0km az=40.0, Suspected Mining explosion. IDC 04 07:21:17.9:0.7,50.90N:73.69E,h0km,mb3.3/2, mbtmp3.8/ML,7/6, Error ellipse: s-maj=12.7km s-min=6.3km az=24.0

ISC 04 07:21:16.8:0.5,50.86N:0.06:73.63E,0.05,h0km,n17, r153/20,10C-5D,Central Kazakhstan

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

NEIC 04 07:33:04.4:2.0,37.50N:0.04:20.60E:0.07,h10km,1km, ML3.3/20, Error ellipse: s-maj=11.5km s-min=4.6km az=24.0. ATH 04 07:33:05.3,37.63N:20.70E,h11km,3km,ML3.5/27, Manual Solution by A. Fokaefs First location: 2019/05/07 07:33:56, This location: 2019/05/06 10:46:17 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 4 km; Longitude uncertainty: 4 km. IDC 04 07:33:07.4:2.3,37.47N:20.48E,h61km,26km,mb3.4/6, mbtmp3.5/10,ML3.5/1,MS3.2/4, Error ellipse: s-maj=72.7km s-min=15.8km az=47.0. ISC 04 07:33:03.8:1.3,37.750N:0.04:20.62E:0.04,h16km,7km, n72,r153/85,mb3.6/6,MS3.1/3,Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LTHX, LTHX, ORTHONIS,Zaky, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VLS Valsamata, VLS Valsamata, LCHA Lechaina, etc.

NEIC 04 07:34:47.3:1.4,4.64S:0.08:-153.46E:0.09,h54km,7km, mb4.4/15, Error ellipse: s-maj=15.0km s-min=9.3km az=53.0. IDC 04 07:34:48.4:2.8,4.67S:153.26E,h70km,23km,mb3.7/11, mbtmp4.1/12,MS3.1/3, Error ellipse: s-maj=22.0km s-min=15.0km az=126.0. ISC 04 07:34:49.9:0.6,4.66S:0.08:-153.28E:0.08,h85km,n35, r150/37,mb4.2/18, New Ireland region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like META, META, LIT, LIT, SCTE, etc.

NEIC 04 07:58:09.5:0.4,1.35S:0.05:-69.68E:0.07,h11km,n100, r1927/81,mb4.5/44,MS3.7/27,5C-3D,Carlsberg Ridge

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

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

SLM 04 07:38:35.1:0.4,36.434N:0.008:89.62W:0.02, h13km,1km, Error ellipse: s-maj=2.0km s-min=1.1km az=75.0. NEIC 04 07:38:35.5:0.2,36.431N:0.007:89.61W:0.02, h13km,2km,ML1.6/22,MD2.0/23(SLM), Error ellipse: s-maj=2.1km s-min=0.7km az=66.0, New Madrid region, Missouri

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

Table listing station names, frequencies, and technical data for the 155 MHz band.

Table listing station names, frequencies, and technical data for the 2019 MHz band.

Table listing station names, frequencies, and technical data for the 4d 8h MHz band.

21 MAY

4d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB14, AC02, PB16, AC01, PB18, AC06, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like A173A, RSP, RNO, etc.

ISN 04 09:58:27.3±1.2, 34.68N; 46.34E, h4km±12km, ML2.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDHR, IGHG, KGS1, etc.

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

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

WEL 04 10:01:45.1±1.0, 36°S; 5°17'9"E, h12km, M3.4/9, ML3.6/18, MLV3.4/9, Error ellipse: s-maj=12.9km

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

GCG 04 10:15:37.5±1.1, 14.13N; 93.72W, h48km±161km, MD4.7

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

MEX 04 10:21:01.6±1.2, 14.30N; 93.76W, h13km±63km, MD4.0

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

BGR 04 11:03:57.5, 25°19'N; 95°82E, h100km±4km, mb5.3

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

mbtmp5.0/37, MS3.9/56, Error ellipse: s-maj=9.8km

GCMT 04 11:04:02.4±0.1, 26°02'N; 0°01:95:81E±0.01, h96km±1km

ISC 04 11:04:01.2±0.2, 26°19'N; 0°03:95:78E±0.02, h98km±1km

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

ISC 04 11:04:01.2±0.2, 26°19'N; 0°03:95:78E±0.02, h98km±1km

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

ISC 04 10:15:37.5±1.1, 14.13N; 93.72W, h48km±161km, MD4.7

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

MEX 04 10:21:01.6±1.2, 14.30N; 93.76W, h13km±63km, MD4.0

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

BGR 04 11:03:57.5, 25°19'N; 95°82E, h100km±4km, mb5.3

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

4sd 11h

Table with columns for station name, frequency, power, and signal strength. Includes stations like Korea Array, KRSRS, KSRSS, etc.

2019 MAY

Table with columns for station name, frequency, power, and signal strength. Includes stations like ZEA, KLR, KLR, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like YSS, YSS, YSS, etc.

4d 11h

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like KMBL Kambalda, VYHS Vyhne, MORB Mior Rana, etc.

2019 MAY

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like BRG Berggiesshubel, TJOU Tjorg, SOKA Soka, etc.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like DAVOX Davos/Dischmat, INKA Innaminka, TNA Tin City, etc.

Table with columns: Station ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Offset, Elevation Offset, Station Type, Status, and Date/Time. Includes stations like Honhosa River, Purcell Moun, Kilkil River, etc.

Table with columns: Station ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Offset, Elevation Offset, Station Type, Status, and Date/Time. Includes stations like White Mountain, Nushagak River, Yukon River, etc.

Table with columns: Station ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Offset, Elevation Offset, Station Type, Status, and Date/Time. Includes stations like Chulitna, Redoubt Volcan, Ilsw, etc.

4d 11h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like EPYK Eagle Plains, KLU Klutina, L26K Log Cabin Wild, etc.

2019 MAY

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like PNL Peninsula, KHWE KHWEE, N31M Braeburn, etc.

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Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like SUR Sutherland, CASY Casey, BBB Bella Bella, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSRS, KS19, BJT, CHTO, CMAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KBZ, SDPT, D19K, RAYN, etc.

IDC 04 11:51:37.3±1.4, 2.60S:140.02E, h0km, mb3.5/3, mbtmp3.7/4, ML3.9/1, Error ellipse: s-maj=31.2km s-min=9.8km az=165.0, Near north coast of Irian Jaya

IDC 04 12:20:06.5±16.0, 0.92S:123.19E, h0km, mb4.0/3, mbtmp4.0/3, Error ellipse: s-maj=264.1km s-min=206.0km az=179.0, Minahasa Peninsula, Sulawesi

IDC 04 12:23:34.6±5.5, 10.66S:165.87E, h180km, 49km, mb3.4/7, mbtmp3.9/8, Error ellipse: s-maj=33.4km s-min=25.8km az=65.0

IDC 04 12:25:32.4±1.0, 3.66S:142.07E, h0km, mb3.7/9, mbtmp3.7/14, ML3.5/5, MS2.8/2, Error ellipse: s-maj=21.6km s-min=19.2km az=120.0

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

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

BUI 04 12:34:53.6, 42.77N:141.74E, h136km, mb4.7/9, mb4.7/38 IDC 04 12:34:54.8±0.6, 42.76N:141.77E, h133km, 4km, mb4.1/30, mbtmp4.5/36, MS2.7/2, Error ellipse: s-maj=10.6km s-min=8.2km az=138.0

MOS 04 12:34:54.0±0.8, 42.77N:141.78E, h142km, mb4.4/20, Error ellipse: s-maj=6.4km s-min=5.3km az=94.3 NEIC 04 12:34:55.1±1.6, 42.74N:0.06±14.1E, h134km, 7km, mb4.4/13, Error ellipse: s-maj=11.7km s-min=7.7km az=108.0

SKHL 04 12:34:55.0±0.6, 42.80N:141.90E, h138km, 5km, mb5.4/5, msh6.3/4 JMA 04 12:34:55.1±0.2, 42.77N:0.6±141.7E±0.7, h133km, 1km, MD4.2/40, MW4.3/40, ISHIKARI DEPRESSION

JMA Felt II J1 at ISHIKARI DEPRESSION NIED 04 12:34:55.1, 42.73N:141.74E, h133km, MW4.2, Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mw=1.00, Ms=1.47, Mss=0.47, Mo=0.66, Mo=1.07, Mr=1.58; Fault plane solution: M2-4000x10^15; NP1: phi101.00000; 337.00000; A-26.00000; NP2: phi212.00000; 875.00000; A-124.00000

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

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like Ashorobuto, Aomoriokkasho, Oshimamatsumae, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like Tymooskoe, Kul'dur, HeiHei, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like H11S3 WAKE ISLAND, H11S2 WAKE ISLAND, SPIA, etc.

4d 12h

2019 MAY

Table with columns: ID, Name, Az, El, P, Az, El, P, Az, El, P. Includes entries like N17K Nushagak Hills, N19K Nushagak Hills, D19K Kuna River, etc.

Table with columns: ID, Name, Az, El, P, Az, El, P, Az, El, P. Includes entries like KURBB, D23K Nanushuk River, C23K Kitlik River, etc.

Table with columns: ID, Name, Az, El, P, Az, El, P, Az, El, P. Includes entries like L26K Log Cabin Wild, L26K Log Cabin Wild, G27K Doyon Strip, etc.

Table with columns: Call Sign, Frequency, Mode, Direction, Azimuth, Elevation, and other parameters. Includes stations like R32K Eaglecrest, SIT Sitka, P33M Teslin, Yukon, etc.

Table with columns: Call Sign, Frequency, Mode, Direction, Azimuth, Elevation, and other parameters. Includes stations like KIEV, CMB Columbia Colle, YHL Hebgan Lake, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like TNS5 Tian-Shan, TNS6 Tian-Shan, etc.

IDC 04 12:45:28.2,3.6,8.84S,161.86E,h151km,20km,mb3.3/6, mbmp3,7/6,MS3.2/1, Error ellipse: s-maj=61.9km

IDC 04 12:45:28.3,2.2,8.85S,0.4,161.8E,0.3,h150km,113, c1909.8,mb3.56,Bougainville-Solomon Islands region

4d 13h

Table with columns: BLB, Baldybasty, 1.78 45 P, Pb, 12 49 32.0 +0.6, etc.

IDC 04 12:53:41.1, 1.9, 6.92S, 128.73E, h0km, mb3.6/2, m1btp3.7/5, ML3.8/3, Error ellipse: s-maj=97.5km s-min=26.0km az=75.0

ISC 04 12:53:43.1, 1.3, 7.05S, 128.60E, h10km, n13, a124/10, Banda Sea

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

IDC 04 13:00:35.3, 8.3, 6.47S, 148.90E, h56km, 66km, mb3.2/1, m1btp3.6/3, ML3.8/1, MS3.4/1, Error ellipse: s-maj=121.4km s-min=53.2km az=118.0, New Britain region

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

GCMT 04 13:17:03.0, 4.4, 17.30S, 0.03, 176.64W, 0.02, h13km, 2km, MW4.7/71, Moment Tensor Solution. s8,c8; s71,c99; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=0.26±.10; Mw=0.79±.07; Mo=1.05±.08; Mi=0.57±.24; Mo=0.84±.07; Mo=0.08±.15; Best double couple: Mo1.39200±.016 Np1.0±21.00000±.065,00000±.1, -11.00000±. NP2: ±116.00000±.80,00000±.1, -154.00000±. Principal axes: T: 1.4290, Plg 10.0000±. Azm247.0000±. P: -1.3540, Plg25.0000±. Azm342.0000±. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

IDC 04 13:17:09.4, 4.4, 17.14S, 177.13W, h63km, 99km, mb3.5/10, m1btp3.8/11, ML4.9/1, MS3.7/28 Error ellipse: s-maj=28.9km s-min=22.0km az=126.0

ISC 04 13:17:06.3, 0.8, 17.1S, 0.2, 177.0W, 0.1, h35km, n36, a1506/13, mb3.8/10, MS3.7/25, Fiji Islands region

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

2019 MAY

Table with columns: GUMO Guam, 48.47 307 LR, 13 44 43.4, etc.

SKHL 04 13:29:42.5, 0.2, 48.00N, 154.400E, h75km, 6km, mb4.5/5, msh5.2/5

MOS 04 13:29:42.0, 1.7, 3.48, 09N, 154.405E, h66km, mb3.9/1, Error ellipse: s-maj=24.6km s-min=5.5km az=65.6

KRSC 04 13:29:44.2, 2.0, 48.08N, 156.37E, h6km, 38km, M1.3, IDC 04 13:29:46.2, 2.9, 48.25N, 153.86E, h8km, 27km, mb3.2/7, m1btp3.6/9, Error ellipse: s-maj=33.4km s-min=17.6km

ISC 04 13:28:42.6, 0.8, 48.0N, 0.1, 154.1E, 0.1, h64km, n61, a1571/70, mb3.5/7, Kuril Islands

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

Table with columns: AKK Asahikawa, 8.91 248 eS, Sn, 13 33 06.3 -3.9, etc.

GII 04 13:39:29.0, 5.0, 35.314N, 0.002, 26.537E, 0.001, h20km, MWS3.6 confirmed

IDC 04 13:39:36.1, 1.1, 35.38N, 26.53E, h65km, 13km, mb3.9/9, m1btp3.7/14, MS3.0/2, Error ellipse: s-maj=24.5km s-min=9.6km az=177.0

ISK 04 13:39:36.7, 35.43N, 26.40E, h71km, ML3.5/31, ATH 04 13:39:38.7, 35.40N, 26.42E, h51km, 9km, ML3.5/25, Manual Solution by E.Daskalaki First location: 2019/05/04 13:40:44, This location: 2019/05/06 11:22:18 LR Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 4 km; Longitude uncertainty: 2 km

AFAD 04 13:39:39.5, 35.50N, 26.85E, h26km, 2km, MW3.5, HLW 04 13:39:41.2, 34.76N, 26.74E, h16km, 1km, M1.3, ISC 04 13:39:35.9, 0.7, 35.21N, 0.0, 26.57E, 0.04, h73km, 7km, n182, a1591/221, mb3.4/10, Crete

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

SJA 04 14:14:06.7±0.7,24.775±69.76W,h77km,2km,ML3.6, MW3.6

GUC 04 14:14:08.0±0.8,24.765±69.70W,h75km,4km,ML3.6

ISC 04 14:14:08.7±1.2,24.745±69.70W,0.05,h69km,9km, n31,±1975/54,1C-5D,Northern Chile

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

JMA 04 14:15:59.5±0.3,45°N±2.14°E, h182km,3km, MV3.0/30, NEAR KUNASHIRI ISLAND

SKHL 04 14:16:00.6±0.6,44.40N±146.50E, h162km,4km, mb4.0/3, msh4.6/3

ISC 04 14:15:59.7±2.5,44.42N±10.146°E,0.09, h188km,16km, n18,±082/31, Kuril Islands

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

JNPK eS S 14 17 34.8 -1.9

ICC 04 14:20:12.7±2.1,8.18S:116.59E,h0km,mb3.5/3, mbmp3.6/4,ML3.7/1, Error ellipse: s-maj=106.0km s-min=20.3km az=45.0

DJA 04 14:20:15.6±0.4,8.54S:111.6E, h17km,3km, M4.1/19, mb4.7/4,mb4.3/7,MLV4.0/19,Mw(mB)3.9/4,MwMwp4.5/1, MwP4.8/1

ISC 04 14:20:17.5±0.9,8.51S±0.09:116.05E±0.05,h50km,n23, ±1948/21,mb3.5/3,Sumbawa region

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

NEIC 04 14:35:08.7±0.3,36.69N:0.009±97.69W,0.01,h7km,4km, mb_Lg2.4/22,ML2.6/54, Error ellipse: s-maj=1.6km s-min=1.0km az=45.0

NEIC 04 14:35:08.6±0.2,36.69N:0.007±97.69W,0.009, h5km,1km,ML2.4/36, Error ellipse: s-maj=2.6km s-min=1.6km az=230.0, Oklahoma

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

JMA 04 14:15:59.5±0.3,45°N±2.14°E, h182km,3km, MV3.0/30, NEAR KUNASHIRI ISLAND

SKHL 04 14:16:00.6±0.6,44.40N±146.50E, h162km,4km, mb4.0/3, msh4.6/3

ISC 04 14:15:59.7±2.5,44.42N±10.146°E,0.09, h188km,16km, n18,±082/31, Kuril Islands

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

WMOK Wichita Mounta 2.15 205 Pn 14 35 45.3 +0.2

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

ISC 04 14:52:05.6±1.1,21.40S±169.05E,h0km,mb3.7/8, mbmp3.7/9,ML3.7/1,MS3.3/2, Error ellipse: s-maj=36.6km s-min=22.2km az=143

NOU 04 14:52:05.4±1.7,22S:169°08E,h0km,MLV4.3/11, Southeast of Loyalty Islands

ISC 04 14:52:10.0±0.7,21.60S±0.08:168.94E±0.08,h28km,n37, ±083/36,mb3.6/8,1D,Loyalty Islands

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

NEIC 04 15:01:57.3±2.0,4.25S:0.08:143.42E±0.09,h91km,8km, mb4.4/27, Error ellipse: s-maj=13.5km s-min=10.9km az=126.0

ISC 04 15:01:59.2±0.5,4.35S:143°56E,h104km,3km,mb3.8/20, mbmp4.2/24,MS3.2/6, Error ellipse: s-maj=13.5km s-min=8.8km az=75.0

DJA 04 15:02:00.5±0.7,4.36S:143°56E, h87km,6km, M4.7/17, mb4.6/4,mb4.25/17,MLV4.9/6,Mw(mB)4.7/17

ISC 04 15:01:59.1±0.3,4.38S:0.05:143.52E±0.05,h103km,n145, ±1875/156,mb4.3/32,New Guinea

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

2019 MAY

Table with columns: ITC4, Escuela Especi, 0.68 99 eP, Pn, 16 14 21.1 +0.2, etc.

Table with columns: NOA, NORSAR Array B, 83.39 29 P, 16 26 19.8 -1.6, etc.

Table with columns: baz=244, ANM Nome, 61.01 22 P, P, 16 28 57.8 -0.4, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like E19K Redstone River, H20K Anotleneega Mo, A19K Wainwright, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like HARP HAARP, K24K Donnelly Dome, G24K Hadezenzic Riv, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like I30M Mount Dempster, N31M Braeburn, Yuko, SIT Sitt, etc.

JMA 04 16:19:40.5:0.2,24:8N:0.8:125:4E:0.7, h51km,1km, MV3/2/10, NEAR MIYAKOJIMA ISLAND
ISC 04 16:19:40.9:1.7,24:77N:0.1:125:41E:0:08, h46km,8km, n17, c15/15/25, Southwestern Ryukyu Islands
Code Station Name Az Az' Az'' Phase ID Time Res
JOGS Gusukube 0.04 1 P Op S Pn 16 19 48.3 +0.1
JOGS Jago River 1.9 1 S Pn 16 19 54.2 +0.9
JM2J Miyako jima3 0.07 290 P S Pn 16 19 48.3 +0.1
JM2J Miyako jima 2 0.14 314 P S Pn 16 19 48.3 -0.2
JIRB Irajubima 0.24 298 P S Pn 16 19 48.5 -0.6
JIKM Ikemajima 0.25 325 P S Pn 16 19 48.8 -0.5
JIKM Tarama 0.64 264 P S Pn 16 19 53.5 -0.3
JTJ Ishigakijimah 1.00 263 P eS Pn 16 19 57.9 -0.8
JISG Ishigaki jima 1.02 253 eP S Pn 16 20 12.2 +0.6
JIJ Ishigaki jima 1.20 253 eP S Pn 16 20 01.1 -0.2
JIJ Ishigaki jima 1.20 253 eP S Pn 16 20 17.4 +0.9
JKRS Kuro-shima 1.36 250 P S Pn 16 20 03.7 +0.2
JKRS Kuro-shima 1.36 250 P S Pn 16 20 23.2 +2.9
IRIF Iriomote-Funau 1.57 256 P Pn 16 20 06.0 -0.3
YOJ Yonaguni jima 2.19 264 P Pn 16 20 14.4 -0.5
JOW Kunigami 3.34 50 P Pn 16 20 30.4 -0.2
NACB Ninganchiao 5.51 262 P Pn 16 20 32.7 -0.3
YHNB Yehung 3.67 270 P Pn 16 20 36.9 +1.7
YULB Yulbi 4.33 252 P Pn 16 20 37.3 -2.2
SSLB Suilung 4.17 258 P Pn 16 20 41.9 -0.1
TWGBT Beinan 4.39 245 P Pn 16 20 42.5 -2.6
BUJ 04 16:40:23.0, 43:38N:146:38E, h35km, mB5/4/49, mb5.5/85, Ms4.5/85, Ms7.4/5/83
MOS 04 16:40:24.0:0.9, 43:18N:146:46E, h48km, mb6.0/58, Ms4.9/28, Error ellipse: s-maj=5.9km s-min=3.7km
MOS Felt (V) at Golovnino, Goryachiy Plyazh, Malokuil'skoye, Yuzhno-Kuil'sk. (II) at Krabozavodskoye.
NEIC 04 16:40:24.3:2.2, 43:35N:0.09:146:4E:0.1, h36km, 5km, mb5.8/253, Mmw5.1/25, Error ellipse: s-maj=15.9km s-min=10.0km az=129.0
JMA 04 16:40:25.8:1.2, 43:34N:146:38E, h44km, 10km, mb5.3/28, mBmp5.5/33, ML4.2/5, Ms4.5/78, Error ellipse: s-maj=11.2km s-min=5.9km az=121.0
NEIC 04 16:40:25.7:43:18N:146:43E, h50km, SKHL 04 16:40:25.4:0.1, 43:20N:146:60E, h59km, 6km, mb5.9/4, Ms5.1/4, msh5.1/4
SKHL Felt (V) at Yuzhno-Kuil'sk, Goryachiy Plyazh, Golovnino, Malokuil'skoe. (II) at Krabozavodskoe.
NEIC 04 16:40:25.7:42:98N:147:00E, h50km, Moment Tensor Solution. Duration: 1s8 Moment tensor: Scale 1016Nm; Mr=0.91; Mw=0.08; Ms=0.99; Mw5.1/26; Mw2.1/27; Fault plane solution: Ms0.840000x1016 NP1: 0.357:56000; 0.13:30000; 0.77:59000. NP2: 0.246:59000; 0.85:16000; 0.77:59000. Principal axes: T: 5.8912; P: 9.9999; N: 10.1034. P12: 0.0000; Azm: 66.0000; P: -5.7878; P14: 48.0000; Azm: 170.0000.
NIED 04 16:40:25.8:43:18N:146:43E, h52km, MW5.2, Moment Tensor Solution. s3 Moment tensor: Scale 1016Nm; Mw:0.4; Mw=0.65; Mw0.24; Mw0.91; Mw0.94; Mw3.72; Fault plane solution: Ms7.90000x1016 NP1: 0.331:00000; 0.7:00000; 0.178:00000. NP2: 0.63:00000; 0.89:00000; 0.83:00000.
GCMT 04 16:40:27.3:0.1, 43:24N:0.0:146:47E:0.01, h33km, MW5.3/24, Moment Tensor Solution. s92, c149; s124, c220; Duration: 1s1 Moment tensor: Scale 1017

Nm; M=0.03±.01; M0=0.06±.01; M00.02±.01; M01.04±.04; M00.03±.01; M00.53±.02; Best double couple: Mo1.16800.1017 NP1.39319.00000.83.00000.0.166.00000. NP2.063.00000.889.00000.87.00000. Principal axes: T 1.1740, Plg4.0000. Azm31.0000; N -0.0110, Plg3.0000. Azm63.0000; P -1.1630, Plg44.0000. Azm156.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BGR 04 16:40:29.1, 43.40N, 146.01E, h45km, 1km, mb5.8, Ms4.8 ISC 04 16:40:25.3±0.3, 43.30N±0.03, 146.48E±0.03, h47km, 1km, h47km; P-P, n1517, r1599/1512, mb5.7/399, MS4.7/120, 186C-40D, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their associated data points.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their associated data points.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their associated data points.

Table with columns for station name, frequency, and signal quality. Includes stations like BinXian, KSR9, KSAR, etc.

Table with columns for station name, frequency, and signal quality. Includes stations like XLT, JOW, BJI, etc.

Table with columns for station name, frequency, and signal quality. Includes stations like H11N3, IRK, GUMO, etc.

4d 16h

Table with columns for station name, elevation, wind speed, direction, and other meteorological data. Includes stations like Sand Point, Chengdu, Kwethluk, Noatak, Anvik, etc.

2019 MAY

Table with columns for station name, elevation, wind speed, direction, and other meteorological data. Includes stations like Chirikof Island, Katmai, Etlivuk, White Mountain, etc.

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Table with columns for station name, elevation, wind speed, direction, and other meteorological data. Includes stations like Teshekpuk Lake, Atkasook, Atkasook, etc.

4d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like AAK Ala-Archua, DLBC Dease Lake, KSH Kashi, etc.

2019 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like NIL Ende, Flores, YKAW Yellowknife Wh, SOEI Soe, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like WRA Warramunga Arr, FITZ Fitzroy Crossi, MOS Moscow, etc.

Table with columns: AKT, Akhty, 68.44 307, eP, P, 16 51 23.4 +1.0, etc. Lists various stations and their frequencies.

Table with columns: KONO, Kongsberg, 71.46 339, eP, P, 16 51 40.8 +0.3, etc. Lists various stations and their frequencies.

Table with columns: GKP, Gorka Klasztor, 74.40 331, eP, P, 16 51 58.6 +0.7, etc. Lists various stations and their frequencies.

2019 MAY

4d 16h

4d 16h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ISR Istita, KPL Plockton, MESSR CBBR, etc.

2019 MAY

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ESK Eskdalemuir, BLDU Ballidu, SURR Surr, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like FOEL comp=Z,182nm,0.7s, BCLA Clavier, FUR comp=Z,32nm,1.1s, etc.

Table with columns: URZ, Urewera, 85.80 156 LR, LR, 17 23 47.8, etc. Includes stations like Urewera, Valguarnera, Tubuai, etc.

Table with columns: USHA, Ushuaia, 154.66 129 PKPbc, PKIKP, 17 00 23.0 +2.9, etc. Includes stations like Ushuaia, Canela, TXNET, etc.

Table with columns: AMTX, Amarillo, 3.89 33, Pn, 17 24 47.5 -0.2, etc. Includes stations like Amarillo, Aspermont, Junction City, etc.

4d 17h

Table with columns: PPT2, comp-Z, elevation, date, time, status, and other details. Includes entries like PPT2 comp-Z,379nm,29.5eS, PPT2 comp-Z,273nm,23.2s, PPT2 comp-Z,392nm,23.8s, etc.

2019 MAY

Table with columns: Q17K, PINE, KODAK, KODAK, O14K, O15K, X16A, P16K, P16K, Q18K, P17K, Q20K, U15A, N14K, Q19K, O16K, M11K, P18K, O17K, M13K, N15K, KSM, KSM, ELK, O18K, P19K, KSR5, KSR5, M14K, KSRAR, N16K, M15K, N17K, MVU, BRSE, L14K, M16K, M16K, M16K, N18K, N19K, L15K, K13K, Q23K, SEW, M17K, L16K, P23K, M18K, K15K, K15K, VHRN, VHRN, L17K, V35K, U33K, J14K, BELA, SIT, KAIM, RCO1, TXAR, STLK, M19K, PWL, L18K, L18K, L18K, L18K, L19K, EYAK, K17K, WRAK, PV18, PV18, PV20, PV20, ALPN, ALPN, PV23, PV23, KNK, SKT, SKT, ANMO, M22K, PV04, PMR, PV02, PV02, L20K, J16K, etc.

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Table with columns: GAMB, MESA, BMRM, SML, J17K, PNL, M23K, CRQE, KLU, SCM, PINM, R32K, NEW, J18K, I17K, PPLA, H03S2, H03S1, N25K, H03S3, K20K, K20K, T35M, M24K, MCARA, CTG, ANNG, S22A, S22A, O28M, O29M, USHA, CAST, CAST, NJ2, NJ2, H16K, S34M, P30M, HARP, TRF, TRF, G15K, MA2, CHUM, J20K, J20K, YUK6, RND, YUK6, H17K, PDAR, PDAR, Q32M, HYT, GCSA, F14K, M26K, M26K, PAX, P32M, TNA, YUK3, MCK, MCK, BPAW, YUK4, G16K, H18K, M27K, M27K, DLBC, I20K, O30N, O30N, F15K, MENT, G17K, L26K, BVCY, WHY, N30M, K24K, R33M, etc.

Table with columns: ID, Name, Time, Az, El, Azimuth, Elevation, etc. Includes stations like H19K Roundabout Mou, P33M Teslin, YUKON, RIDG Independent Ri, etc.

Table with columns: ID, Name, Time, Az, El, Azimuth, Elevation, etc. Includes stations like H27K Steamboat Moun, H27K Steamboat Moun, F24K Squaw Lake, etc.

Table with columns: ID, Name, Time, Az, El, Azimuth, Elevation, etc. Includes stations like WATA Walderalm, MOTA Moosalm, MOTA Moosalm, etc.

HEL 04 18:04:10.3:0.4,67.16N:20:58E, h0km,ML1.6, Suspected explosion
IDC 04 18:04:10.7:0.9,67.23N:21:39E, h0km,mbtm3.1/3, ML1.9/3, Error ellipse: s-maj=16.4km s-min=6.5km

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

NOU 04 18:11:05.9,14:80S:167:42E, h115km,MLV4.6/2,1, Vanuatu Islands, Vanuatu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, h, m, s, ISC. Includes stations like VLAKA Lakatoro, VLAKA Lakatoro, DVL Devils Point, etc.

IDC 04 18:14:27.6:2.8,38:22N:143:17E, h70km,25km,mb3.2/4, mbtm3.67,MS3.0/2, Error ellipse: s-maj=29.6km
JMA 04 18:14:30.8:0.1,38:4N:0:4:142:2E:0.8, h35km,1km, MV3.4/32, E OFF MIYAGI PREF

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, h, m, s, ISC. Includes stations like JIKH Ishinomakikobu, JIKH Ouri, JIKM Kesenumototy, etc.

Table with 7 columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Res (ISC), and various numerical values. Includes entries like K22A Casper, BRIGG Boulder Array, etc.

Table with 7 columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Res (ISC), and various numerical values. Includes entries like NNC 04 19:31:43.6, KK31 Karatay Array, etc.

2019 MAY

Table with 7 columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Res (ISC), and various numerical values. Includes entries like T29M Tokmak 2, AEIC 04 19:44:47.9, etc.

Table with 7 columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Res (ISC), and various numerical values. Includes entries like SJA 04 19:51:04.3, NEIC 04 19:51:05.4, etc.

Table with 7 columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Res (ISC), and various numerical values. Includes entries like AC05 Juntas del Tor, AC01 Juntas del Tor, etc.

Table with 7 columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Res (ISC), and various numerical values. Includes entries like VA06 Catapilco, ZON Zonda, VA03 San Esteban, etc.

BUI 04 19:51:42.8, MOS 04 19:51:42.2, NIED 04 19:51:43.7, JMA 04 19:51:43.7, JDC 04 19:51:44.7, NEIC 04 19:51:44.2, GUC 04 19:51:05.5, ISC 04 19:51:04.0, etc.

Table with 7 columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Res (ISC), and various numerical values. Includes entries like OFUJ Ofunato, JKMT Kesenumamotoy, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like JYW, JYAR, JYVZ, etc.

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

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

Table with columns: Station Name, Azimuth, Elevation, Time, Residual, and other parameters. Includes stations like MARDIN, SORM, PDAR, VLDR, etc.

Table with columns: Station Name, Azimuth, Elevation, Time, Residual, and other parameters. Includes stations like KHC, UBBA, ROTZ, MORH, etc.

Table with columns: Station Name, Azimuth, Elevation, Time, Residual, and other parameters. Includes stations like KARY, GUR, KRD, etc.

4d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like TKL Tuckaleechee C, NVAR Mina Array Bea, DUG Dugway, PPT Papeete, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like ESCD Sonsea Array, HFS, NOA NORRAR Array B, TORO Torodi Ar. Bea, etc.

IDC 04 20:55:03.3-3.0, 17.47N; 147.03E, h0km, mb3.7/6, m1mp3.7/6, MS4.4/5, Error ellipse: s-maj=88.2km

ISC 04 20:55:09.2-2.9, 17.5N; 02-147.2E: 0.6, h48km, n16, o#61/6, mb4.0/5, MS4.5/3, Mariana Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like GUMO Guam, H1S3 WAKE ISLAND Hy 18.61, H1S1 WAKE ISLAND Hy 18.62, etc.

BUJ 04 21:02:06.6, 1.56N; 123.98E, h352km, mb5.0/54, mb5.1/96

NEIC 04 21:02:10.6, 2.3, 1.99N; 0.07; 123.66E: 0.07, h327km, 1km, mb5.4/190, Mw5.6/38, Mw5.7/57, Error ellipse:

s-maj=1.3km s-min=10.9km az=222.0, Moment Tensor: Scale 1017Nm; Mm=0.27;

Mw=2.4; Ms=1.97; Mm=0.32; Mw=1.67; Fault plane solution: Ms3.160000; 1017; NP1=29.480000;

674.360000; A=155.480000; NP2=292.470000;

666.450000; A=17.110000; Principal axes: T 2.8037,

Plg5.0000; Azm160.0000; N 0.6149, Plg61.0000;

Azm60.0000; P -3.4186, Plg28.0000; Azm253.0000;

GCMT 04 21:02:10.6, 0.1, 2.07N; 0.01; 123.58E: 0.02, h340km,

MW5.7/143, Moment Tensor Solution. s143c281;

Duration: 1s7, Moment tensor: Scale 1017Nm;

Mm=0.64; 0.4; Mm=3.19; 0.6; Mw=2.55; 0.7; Mw=0.31; 0.6;

Mw=2.21; 0.6; Mw=2.13; 0.5; Best double couple:

Mw=2.4700; 1017; NP1=293.000000; 861.000000;

A=12.000000; NP2=29.000000; 880.000000;

A=150.000000; Principal axes: T 4.1650, Plg13.0000;

Azm158.0000; N 0.1660, Plg59.0000; Azm46.0000; P

-4.3300, Plg28.0000; Azm255.0000; nsta1 refers to

body waves, cutoff=40s. Triangular moment-rate function

NEIC 04 21:02:11.8, 1.99N; 123.69E, h341km

DJA 04 21:02:11.7, 0.1, 2.1N; 1.12; 123.4E, h345km, 1km, M5.6/136,

mb5.9/136, mb6.0/117, MLV6.3/26, Mw(MB)5.7/117,

MwMwp5.3/57, Mwp5.5/57

IPGP 04 21:02:11.0, 1.96N; 123.68E, h338km, Mw5.8, Fault plane

solution: NP1=23.000000; 873.000000; A=143.000000;

NP2=2081.000000; 855.000000; A=21.000000;

NEIC 04 21:02:11.6, 1.99N; 123.68E, h350km

NEIC 04 21:02:11.6, 1.89N; 124.00E, h350km, Moment Tensor

Solution. Duration: 3s5, Moment tensor: Scale 1017Nm;

Mm=0.51; Mw=3.36; Mw=2.85; Mw=0.39; Mw=1.75; Mw=2.12;

Fault plane solution: Mw4.180000; 1017; NP1:

8297.120000; 861.030000; A=11.330000; NP2=32.660000;

80.100000; A=150.550000; Principal axes: T 4.0269,

Plg13.0000; Azm162.0000; N 0.3037, Plg59.0000;

Azm50.0000; P -4.3306, Plg28.0000; Azm259.0000;

IPG 04 21:02:12.0, 0.4, 2.01N; 123.67E, h352km, 3km, mb4.9/36,

m1mp5.5/39, Error ellipse: s-maj=8.4km s-min=5.9km

az=82.0

MOS 04 02:12:30.9, 2.04N; 123.61E, h369km, mb5.3/70,

MS4.6/4, Error ellipse: s-maj=6.6km s-min=3.6km

az=118.0

ISC 04 21:02:10.8, 0.2, 2.01N; 0.02; 123.69E: 0.03, h343km, 1km,

h344km; p-P, n1540, c1960/1833, mb5.4/355, 87C-41D,

Celebes Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like KMSI Cibinong, MRSI Marisa, MGSI Sangihe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like MYLDM Lahad Datu, NLAI Nagas, TTSI Tana Toraja, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like PPBI Pangkal Pinang, KNRA Kununurra, LEM Lembang, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like WRA comp=Z,735nm,0.6s, RPSI Rantau Prapat, PSI Prapat, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like COCO West Island, NJ2 Nanjing, KMI Kunming, etc.

Table with columns: YSS, comp-Z, elevation, frequency, mode, and other parameters. Includes stations like Ulanbaatar, Port Laguerre, Songoing Array, etc.

Table with columns: MSVF, Nonsavu, Uzynbulak, Taragay, etc. Includes stations like Nonsavu, Uzynbulak, Taragay, Przheval'sk, etc.

Table with columns: YAK, eS, S, etc. Includes stations like YAK, Erkin-Say, KBL, etc.

4d 21h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like OXZ Oxford, TUZ Tuapeka, WAZ Wanganui, etc.

2019 MAY

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like ALNE Al Ain, ALNE Al Ain, DMTO DMTO, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like RAYN Ar Rayn, M1K Mekoryuk, MAK Makhachkala, etc.

Table with columns for station ID, name, elevation, frequency, power, and signal strength. Includes stations like E17K Hotham Inlet, F17K Baldwin Pennin, G17K Kwaikwa Mountain, etc.

Table with columns for station ID, name, elevation, frequency, power, and signal strength. Includes stations like J20K Nowinta River, VORD Divnogorie, KDKA Kodiak Island, etc.

Table with columns for station ID, name, elevation, frequency, power, and signal strength. Includes stations like I23K Minto, Yukon-K, E23K Chandalar, TOLK Toolik Lake, etc.

4d 21h

Table with columns for call sign, name, frequency, mode, and other technical details. Includes call signs like CSS, G26K, KAIMI, SCRRK, etc.

2019 MAY

Table with columns for call sign, name, frequency, mode, and other technical details. Includes call signs like QSPA, L29M, YUKA, etc.

baz=282

Table with columns for call sign, name, frequency, mode, and other technical details. Includes call signs like VOIR, COPA, HMR, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like E29M Blow River, H29M Whitestone, G29M Pine Creek, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like ARTI Arti, YKA Yellowknife Ar, YKA Yellowknife Ar, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like GERES GRESS Array B, CONA Conrad Observa, RONA Rosalia, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, and other technical details. Includes stations like PCDR Punta Cana, DR, IDE Isla Desecho, etc.

IDC 04 22:07:32.0,2.0,9.36S,112.92E,h0km,mb3.8/6, mbmp3.8/7,ML3.7/1, Error ellipse: s-maj=75.6km s-min=19.3km az=51.0 NEIC 04 22:07:36.4,1.9,9.66S,108.112,89E,0.06,h35km,22km, mb4.2/11, Error ellipse: s-maj=13.4km s-min=9.7km az=161.0 DJA 04 22:07:39.0,3.9,3.3E,111.3E,h10km,M4.1/18,mB5.0/1, mb4.2/6,MLV4.1/18,Mw(mB)3.4/1 ISC 04 22:07:36.3,0.6,9.71S,105.112,86E,0.05,h36km,n56, c#208/51,mb4.1/10, South of Jawa

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

NEIC 04 22:16:47.4,2.1,4.82S,109.144,74E,0.08,h10km,1km, mb4.4/10, Error ellipse: s-maj=15.9km s-min=12.8km az=209.0 IDC 04 22:16:51.9,2.4,4.87S,144.71E,h57km,22km,mb3.5/5, mbmp3.8/8,ML3.6/2,MS2.5/1, Error ellipse: s-maj=30.0km s-min=12.1km az=53.0 ISC 04 22:16:54.4,0.8,4.98S,109.144,6E,0.1,h2km,n24, c#134/26,mb4.1/11, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: J20K, Novinta River, 82.40, 23, P, Iamb, P, 22 29 08.6 +1.4, 22 29 09.9. Lists seismic events with station names and magnitudes.

IDC 04 22:19:59.2,2.2,2.27S,129.13E,h0km,mb3.4/1, mbmp3.3/3,ML3.3/2, Error ellipse: s-maj=134.3km s-min=32.8km az=68.0, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

NEIC 04 22:32:12.9,1.5,8.74N,0.08x126.72E,0.10,h42km,7km, mb4.6/54, Error ellipse: s-maj=14.0km s-min=12.2km az=84.0 DJA 04 22:32:12.8,1.4,9.1N,10x127E,h55km,13km,M4.9/11, mb4.8/11,mb5.5/4,MLV5.0/6,Mw(mB)4.9/4 ISC 04 22:32:17.8,2.1,8.69N,126.73E,h97km,20km,mb3.8/19, mbmp4.1/19,MS3.5/9, Error ellipse: s-maj=25.3km s-min=13.7km az=72.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

NEIC 04 22:16:47.4,2.1,4.82S,109.144,74E,0.08,h10km,1km, mb4.4/10, Error ellipse: s-maj=15.9km s-min=12.8km az=209.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

IDC 04 22:45:12.3,4.3,28.80N,141.59E,h0km,mb3.8/5, mbmp3.7/6,ML2.6/1, Error ellipse: s-maj=171.1km s-min=25.6km az=75.0 ISC 04 22:45:15.4,3.29S,103.03,142E,h35km,n6,c#979/6, mb3.9/5, Bonin Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

4d 23h

1.4nm, 0.3s, baz=89, slow=7.6, SNR=7.1
1.4nm, 0.3s
BVAR Borovoye Array 56.63 317 P P 22 54 55.4 +0.5

NEIC 04 23:04:53.7±1.9, 6.69S:0.07:154.7E±0.1, h10km±2km, mb4.2/6, Error ellipse: s-maj=19.9km s-min=6.9km az=62.0

IDC 04 23:05:00.6±4.8, 6.73S:154.58E, h75km±41km, mb3.5/7, mbtmp4.0/9, MS3.0/2, MS3.1/2, Error ellipse: s-maj=29.2km s-min=25.8km az=53.0

ISC 04 23:04:57.1±0.7, 6.66S:0.07:154.72E±0.09, h48km, n19, c0591/21, mb4.0/10, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Rabaul, Honiara, Port Moresby, Warramunga Arr, etc.

IDC 04 23:06:21.0±2.4, 0.61N:126.58E, h0km, mb3.5/6, mbtmp3.6/4, MS3.0/2, Error ellipse: s-maj=26.9km s-min=23.0km az=66.0, Northern Molucca Sea

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

IDC 04 23:10:19.6±1.3, 10.71N:139.05E, h0km, mb3.8/6, mbtmp3.8/6, MS3.3/2, Error ellipse: s-maj=53.2km s-min=25.0km az=86.0

ISC 04 23:10:24.8±1.3, 10.7N:0.2:139.1E±0.4, h35km, n8, c0530/6, mb3.9/6, Western Caroline Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Chichijima, Alice Springs, Honiara, Kurchatov Arra, etc.

IDC 04 23:20:18.9±1.2, 6.785N:20.34E, h0km, mbtmp3.0/4, ML2.0/4, Error ellipse: s-maj=20.3km s-min=6.8km az=122.0

ISC 04 23:20:17.3±1.1, 6.790N:0.07:20.08E±0.09, h10km, n6, c1565/9, Sweden

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Saito, Kif, ARCES, FINES, NOA, HFS, etc.

2019 MAY

IDC 04 23:39:18.8±0.7, 5.18N:146.57E, h0km, mb4.2/15, mbtmp4.2/15, MS3.6/3, Error ellipse: s-maj=26.1km s-min=16.2km az=86.0

NEIC 04 23:39:21.0±0.9, 5.15N:0.09:146.4E±0.1, h10km±1km, mb4.6/43, Error ellipse: s-maj=18.8km s-min=15.0km az=87.0

ISC 04 23:39:20.6±0.4, 5.05N:0.06:146.36E±0.09, h10km, n328, c1508/331, mb4.6/45, MS4.0/4, 1C-16, Eastern Caroline Islands region

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like Manu Island, Jayapura, Port Moresby, Faki Fak, etc.

Table with columns: Code, Station Name, Time, Res. Includes stations like P16K Nushagak River, ANM Nome, K15K Wolf Creek Mou, etc.

202

Table of satellite ground stations with columns for code, station name, elevation, latitude, longitude, and other parameters. Includes stations like Anotleneega Mo, Suisuna One, Redstone River, etc.

Table of satellite ground stations with columns for code, station name, elevation, latitude, longitude, and other parameters. Includes stations like Birch Creek, Bearman Lake, Sand Creek, etc.

Table of satellite ground stations with columns for code, station name, elevation, latitude, longitude, and other parameters. Includes stations like Hyder, Dease Lake, Vanda, etc.

DJA 04 23:51:02.0, 0.5, 4, N, 5, 12, 7E, h10km, M4, 9/26, mb4, 7/26, mb5, 4/9, MLV5, 0/14, MW(mB)4, 8/9
IDC 04 23:51:04, 7, 2, 9, 3, 98N, 126, 27E, h44km, 28km, mb, 0/0, 2/7, mbmp4, 3/28, MS3, 6/8, Error ellipse: s-maj=24.8km s-min=11.3km az=77.0

NEIC 04 23:51:05.3, 1.7, 4, 10N, 0.05x126, 73E, 0.08, h46km, 3km, mb4, 7/55, Error ellipse: s-maj=11.5km s-min=7.6km az=74.0

ISC 04 23:51:04.9, 0.3, 4, 07N, 0.05x126, 68E, 0.06, h45km, n149, e139/133, mb4, 6/61, MS4, 0/15, 1C-2D, Talaud Islands

Table with columns for Code, Station Name, Elevation, Latitude, Longitude, Phase ID, Time, Res. Lists various ground stations and their tracking data.

5d 0h

Table with columns: NUJ2, comp, pmax, pmax, 23 57 00.4, -1.6, 23 57 20.5, etc. Lists various stations and their associated data.

2019 MAY

Table with columns: SEY, comp, LR, LR, 00 24 34.4, etc. Lists various stations and their associated data.

204

Table with columns: KURK, KURK, 61.31 327, P, I, 00 02 10.7, +0.5, etc. Lists various stations and their associated data.

IDD 05 00:02:08.7±1.4, 4.05N, 126.36E, h0km, mb3.77, mbmp3.87, Error ellipse: s-maj=106.3km s-min=18.1km az=68.0

IDD 05 00:05:35.7±0.7, 4.08N, 126.75E, h0km, mb3.9/15, mbmp3.9/15, MS3.0/1, Error ellipse: s-maj=46.9km s-min=13.6km az=72.0

IDD 05 00:05:43.0±2.4, 3.98N, 126.76E, 0.10, h44km, 8km, mb4.4/21, Error ellipse: s-maj=15.2km s-min=10.5km az=57.0

IDD 05 00:05:53.1±0.8, 4.14N, 126.33E, h0km, mb4.3/10, mbmp4.3/11, ML3.9/1, MS3.7/7, Error ellipse: s-maj=35.8km s-min=17.0km az=73.0

IDD 05 00:05:59.0±2.1, 4.3N, 126.7E, 0.1, h35km, 2km, mb4.6/18, Error ellipse: s-maj=20.3km s-min=14.0km az=222.0

IDD 05 00:05:59.3±0.6, 4.17N, 126.61E, 0.09, h45km, n40, r1541/34, mb4.5/18, MS3.5/6, Talaud Islands

IDD 05 00:05:59.3±0.6, 4.17N, 126.61E, 0.09, h45km, n40, r1541/34, mb4.5/18, MS3.5/6, Talaud Islands

IDD 05 00:05:59.3±0.6, 4.17N, 126.61E, 0.09, h45km, n40, r1541/34, mb4.5/18, MS3.5/6, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, KURK Kurchatov, KKAR Karatay Array, etc.

AFAD 05 00:07:19.5, 39.39N-26.31E, h7km, 3km, ML2.7
ATH 05 00:07:19.8, 39.39N-26.29E, h20km, 3km, ML2.4/5.
Manual Solution by G.Panopoulou First location:
2019/05/05 00:07:59, This location: 2019/05/02 02:20:00
ML Amplitudes are expressed in micrometers, All
distances are expressed in degrees Latitude uncertainty: 3
km, Longitude uncertainty: 4 km

Main table for station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KOKA Canakkale, AYYA Ayvalik, EZNE Ezine-Canakkale, etc.

VLY Voula, Athens 2.48 232 P Pn 00 07 59.3 +0.1
KNT Kendrikon 3.12 305 P Pn 00 08 08.9 +0.9
RSPR 05 00:10:33.9, 18.99N-68.79W, h5km, 1km, MD3.0/7
SDD 05 00:10:33.8, 1.5, 19.08N-68.75W, h23km, 25km, MD3.5,
ML2.9, MWV3.3
NEIC 05 00:10:35.4, 2.9, 18.90N-0.08-68.79W, 0.02, h10km, 2km,
ML3.0/3.4, MD3.0/17(RSPR), Error ellipse: s-maj=13.7km
s-min=3.0km az=10.0

Main table for station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MIDR Miches, SMDR Samana, PCDR Punta Cana, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SJG San Juan, SJJG San Juan, GCPR Guaynabo City, etc.

TAP 05 00:22:58.6, 23.89N-122.04E, h35km, ML1.6, C, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like E0S4 E0S4, Hwalien, Chiawan, Shoufeng, etc.

JMA 05 00:23:44.5, 0.3, 24N-124E, h20km, 2km, MV0.9/5,
NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IRIF Iriomote-Funau, Kuro-shima, Ishigaki jima, etc.

AEIC 05 00:33:02.5, 1.3, 52N-174.5W, 0.1, h82km, 5km,
Error ellipse: s-maj=36.6km s-min=6.8km az=166.0

NEIC 05 00:33:03.9, 1.5, 52.0N-0.3, 174.5W, 0.1, h73km, 10km,
ML3.5/6.5, ML3.2(AEIC), Error ellipse: s-maj=38.8km
s-min=6.6km az=170.0, Androsou Islands

Main table for station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ATKA Atka Island, GSTR Great Sitkin T, ADK Adak, etc.

GCG 05 01:21:09.8, 1.1, 14.00N-90.70W, h110km, 45km, MD3.5
Near coast of Guatemala
ESSG Sabana Grande 0.41 342 P Pn 00 11 26.3 +0.1
STGO El Palmar, Qui 0.76 305 P Pn 00 11 33.2 +0.4
STGO El Palmar, Qui 0.76 306 P Pn 00 11 33.2 +0.4
STGO El Palmar, Qui 1.28 306 P Pn 00 11 33.2 +0.4
STGO El Palmar, Qui 1.28 306 P Pn 00 11 33.2 +0.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Hachijo jima 2, TONANKAI O.B.S, ADawara 2, Yashoku, JNY Shimob, BSO1 Bosso 1, etc.

VAO 05 01:41:01.8, 1.5, 2.4:67S:68.68W, h69km, 7km, mb5.0
SJA 05 01:41:26.4, 0.6, 2.4:25S:66.97W, h218km, ML4.7, MW4.3
IDC 05 01:41:27.9, 2.2, 2.4:26S:67.14W, h184km, 19km, mb4.1/12,
mbTmP=5.15, Error ellipse: s-maj=22.4km s-min=10.5km
bz=7.0.

NEIC 05 01:41:27.8, 2.2, 2.4:25S:0.04-66.87W, h178km, 6km,
mb4.4/141, Error ellipse: s-maj=11.0km s-min=5.6km
bz=102.0.

GUC 05 01:41:28.8, 0.7, 2.4:22S:67.29W, h229km, 6km, ML4.7
ISC 05 01:41:26.1, 0.5, 2.4:27S:0.03-66.99W, 0.04, h191km, 5km,
n231, az02/178, mb4.4/76, 5D, Salta Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SALTA, SLA, AF01, FSA, YJA, GO02, etc.

Table with columns: TA01, Diego Aracena, 4.72 321, eP, Pn, etc. Includes stations like Chuzmisza, IPOC Station P, CERRO LA CRUZ, GUANDACOL, etc.

Table with columns: ALPN, Alpine, 64.71 325, Iamb, Iamb, etc. Includes stations like Aspermont, Mountain Grove, French Village, etc.

KSRS Korea Array 161.69 319 PKPab PKPab 02 01 53.3 +2.8
HHC Hu-ho-hao-te 163.42 4 eP PKPdf PKPdf 02 01 09.8 +3.7
PZH PanZhiHua 169.57 75 PKP PKPdf 02 01 11.9 +0.6

MOS 05 01:56:01.5s, 1.0, 8.85N, 126.62E, h10km, mb5, 1/44, MS4.4/4, Error ellipse: s-maj=10.5km s-min=4.9km az=116.1
BUJ 05 01:56:02.5, 8.53N, 126.92E, h35km, mb5, 1/39, mb4.8/63, MS4.7/66, MS7.4/5/65
MAN 05 01:56:02.9, 8.86N, 127.06E, h8km, mb5.6, ML4.6, MS4.9
NEIC 05 01:56:04.2, 2.5, 8.96N, 0.08, 126.95E, 0.09, h10km, 1km, mb5.0/197, Error ellipse: s-maj=15.2km s-min=13.4km az=90.0

Code Station Name Az A' AZ' Phase ID Time Res Op
DAV Davao City (W) 2.18 217 Pn Pn 01 56 43.9 +1.1
DAV Davao City (W) 2.18 217 Pn Pn 01 56 43.0 +0.3
DAV 130nm,0.3s,baz=104,slow=22,SNR=6.2 Sn Sn 01 57 14.4 +5.9
DAV comp=Z,7um,18.6s,baz=54,slow=41 Pn Pn 01 57 31.7

NJ2 comp=Z,740nm,14.5s LR LR
NJ2 comp=Z,970nm,18.7s LR LR
JNU Nakatsue 24.46 8 Iamb Iamb 02 01 36.6
JNU Nakatsue 24.46 8 P P 02 01 21.9 -1.1
SLVN Son La 25.41 302 Iamb Iamb 02 01 43.3
JMN Monobe 25.61 14 P P 02 01 31.9 -1.5
GYA GYA 26.00 315 S S 02 01 37.7 +0.5
GYA GYA 26.78 183 S S 02 06 07.6 +2.9
GYA GYA 26.29 264 P P 02 01 39.8 0.0
GYA FITZ 26.78 183 P P 02 01 43.4 -0.7

BJT comp=Z,28nm,1.1s pmax pmax
BJI Beijing 32.53 345 P S P S 02 02 34.3 -0.6
BJI Beijing 32.53 345 P S P S 02 07 49.9 +3.4
BJI comp=Z,11nm,1.1s pmax pmax
BJI comp=Z,28nm,3.5s LR LR
BJI comp=Z,190nm,18.7s LR LR
BJI comp=Z,96nm,18.8s LR LR
BJI comp=Z,320nm,15.6s LR LR
SNY Shenyang 33.00 355 P S P S 02 02 40.0 +1.0
SNY Shenyang 33.00 355 P S P S 02 07 59.1 +5.3
SNY comp=Z,34nm,1.2s LR LR
SNY comp=Z,310nm,16.7s LR LR
SNY comp=Z,330nm,14.1s LR LR
SNY comp=Z,460nm,20.3s 33.01 168 P P 02 02 39.8 +0.5
ASAR Alice Springs 33.01 168 P P 02 02 38.1 -1.1
ASAR Alice Springs 33.01 168 P P 02 07 54.8 +0.4
ASAR comp=Z,1.7nm,0.9s,baz=351,slow=18,SNR=4.6 ScP ScP 02 09 03.9 +1.5
ASAR comp=Z,1.38nm,18.7s,baz=346,slow=43 LR LR 02 19 34.8
ASAR Alice Springs 33.01 168 P P 02 02 39.8 +0.5
HHC Hu-ho-hao-te 34.69 339 eP S S 02 02 55.0 +1.2
HHC Hu-ho-hao-te 34.69 339 eP S S 02 08 24.1 +3.9
HHC Hu-ho-hao-te 34.69 339 eP S S 02 08 38.0 -1.9
HHC comp=Z,27nm,0.5s pmax pmax
HHC comp=Z,140nm,5.6s LR LR
HHC comp=Z,370nm,13.7s LR LR
HHC comp=Z,340nm,11.5s LR LR
HHC comp=Z,520nm,13.7s 34.87 358 eP P 02 02 55.9 +0.8
CN2 Changchun 34.87 358 eP S S 02 08 22.2 -0.5
CN2 comp=Z,10.0nm,0.7s pmax pmax
CN2 comp=Z,200nm,6.0s LR LR
CN2 comp=Z,400nm,16.6s LR LR
CN2 comp=Z,400nm,16.6s LR LR
CN2 comp=Z,500nm,17.1s 35.52 6 P Iamb P Iamb 02 03 00.5 -0.2
USA0B USSuriyik Arra 35.52 6 P Iamb P Iamb 02 03 24.8
USA0B USSuriyik Arra 35.52 6 P Iamb P Iamb 02 03 00.5 -0.2
USA0B USSuriyik Arra 35.52 6 P Iamb P Iamb 02 03 01.1 +0.4
USRK USSuriyik Ar. 35.52 6 P P 02 02 58.9 -1.9
USRK USSuriyik Ar. 35.52 6 P P 02 02 58.9 -1.9
USRK comp=Z,1.7nm,1.0s,baz=196,slow=8.0,SNR=11 LR LR 02 17 19.5
USRK comp=Z,320nm,19.7s,baz=183,slow=36 LR LR 02 03 01.2 +0.4
MDJ Mudanjiang 35.74 3 P Iamb P Iamb 02 03 04.8
MDJ Mudanjiang 35.74 3 P Iamb P Iamb 02 03 03.6 +1.0
MDJ Mudanjiang 35.74 3 P Iamb P Iamb 02 03 14.7 +1.5
MDJ Mudanjiang 35.74 3 P Iamb P Iamb 02 08 42.4 +6.4
MDJ comp=Z,38nm,1.1s pmax pmax
MDJ comp=Z,220nm,3.5s LR LR
MDJ comp=Z,420nm,11.8s LR LR
MDJ comp=Z,340nm,11.3s LR LR
MDJ comp=Z,510nm,17.9s 36.20 347 eP P 02 03 06.7 0.0
XLT XiLinHaoTe 36.20 347 eP S S 02 03 17.6 -0.1
XLT XiLinHaoTe 36.20 347 eP S S 02 08 44.8 +1.6
XLT comp=Z,32nm,0.9s pmax pmax
XLT comp=Z,240nm,5.6s LR LR
XLT comp=Z,34nm,19.4s LR LR
XLT comp=Z,330nm,13.9s LR LR
XLT comp=Z,460nm,17.2s 36.52 296 LR LR 02 20 17.0
BRDH Bariadhala 36.52 296 LR LR 02 03 11.8 +0.3
BNX BinXian 36.79 1 P P 02 03 20.9 -2.0
BNX BinXian 36.79 1 P P 02 03 24.4 -3.7
BNX BinXian 36.79 1 P P 02 04 36.6 +0.5
BNX BinXian 36.79 1 P P 02 08 54.2 +2.2
BNX BinXian 36.79 1 P P 02 09 09.7 -5.9
BNX comp=Z,8.0nm,0.9s pmax pmax
BNX comp=Z,170nm,6.5s LR LR
BNX comp=Z,410nm,18.4s LR LR
BNX comp=Z,330nm,15.2s LR LR
BNX comp=Z,500nm,17.3s 37.21 301 Iamb Iamb 02 03 27.8
SHL Shillong 37.21 301 Iamb Iamb 02 03 13.9 -1.8
SHL Shillong 37.21 301 P P 02 03 13.9 -1.8
SHL Shillong 37.21 301 P P 02 12 46.6
HNR Honiara 37.56 118 LR LR 02 18 31.9
ASAJ Asahikawa 37.72 19 LR LR 02 03 29.9 0.0
GTA Gaotai 38.92 326 eP P 02 03 38.4 -3.1
GTA Gaotai 38.92 326 eP P 02 05 40.5 +0.7
GTA comp=Z,7.0nm,0.9s LR LR
GTA comp=Z,480nm,16.4s LR LR
GTA comp=Z,560nm,16.4s LR LR
GTA comp=Z,870nm,16.0s LR LR
LSA Lhasa 39.38 307 P P 02 03 31.6 -2.7
LSA Lha 39.38 307 P P 02 03 31.6 -2.7
GOMU GeErMu 39.93 318 P P 02 03 38.4 -0.2
GOMU GeErMu 39.93 318 P P 02 03 46.2 -4.4
GOMU GeErMu 39.93 318 P P 02 03 51.4 -5.6
GOMU GeErMu 39.93 318 P P 02 09 43.6 +3.1
GOMU comp=Z,20nm,1.2s pmax pmax
GOMU comp=Z,870nm,16.7s LR LR
GOMU comp=Z,550nm,18.9s LR LR
GOMU comp=Z,1um,17.7s 40.33 17 eP S 02 03 40.6 -0.7
YSS Yuzhno-Sakhali 40.33 17 eP S 02 09 43.6 -1.8
YSS Yuzhno-Sakhali 40.33 17 eP S 02 09 43.6 -1.8
YSS comp=Z,500nm,15.0s MLR MLR
YSS comp=Z,500nm,15.0s MLR MLR
KLR comp=E,500nm,18.0s 40.48 5 P P 02 03 41.3 -1.1
KLR comp=E,5.5nm,1.0s,baz=242,slow=4.7,SNR=7.0 P P 02 03 42.9 +0.4
KLR comp=E,5.5nm,1.0s P P 02 03 42.9 +0.4
HIA comp=Z,23nm,2.5s 40.76 353 Iamb Iamb 02 03 50.3

5d 1h

2019 MAY

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Table with columns for station name, frequency, power, and other technical details. Includes stations like HEH HeiHe, EVN Everest, ULN Ulanbaatar, NWAO Narogin (SRO), SONM Songino Array, STKA Stephens Creek, CIT Chita, ZEA Zeya, PALK Pallekele, MOY Mondy, HYB Hyderabad, WMQ Urumqi, DZM Mont Dzumac, PETK Petropavlovsk, YAK Yakutsk, MK31 Makanchi Array, MKAR Makanchi Array, SHLS Shalkode, MA2 Magadan, UZB Uzynbulak, SATY Saty, ZHN Zhinshike, KSH Kashi.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NIL Nilore, TDK Taldyqorghan, ARXS Arharly, TNSN Tian-Shan, ZALV Zalesovo Beam, AAK Ala-Archa, MSVF Nonsavu, SEY Seymchan, KURK Kurchatov, SHEM Shemys Is, KBL Kabul, GAR Garm, DZA Taraz, SIMJ Simiganj, KKAR Karatay Array, IUG Iuzhnyy, BRLS Borolday, BRZS Berezni, TIKI Tiksi, BVAR Borovoye Array, BRVK Borovoye, HRA Herat, BILL Bilibino, NRIK Noril'sk, URZ Urewera, RTZ Ruatahuna, DQM DQM, BSY Bisy, P08K Saii George I, AB31 Akbulak array, ABKAR Akbulak array, MASF Masafi, ASHO Ashiyah, UNV Unalaska Valle, ALNE Al Ain, NAZ Nazwa, FAQ Al Faqa, ASUD Al Asudh, SVE Sverdlovsk, AKTO Aktyubinsk, UMZA Um Al Zomool, DMTO DMTO, ARTI Arti.

Table with columns for station name, frequency, power, and other technical details. Includes stations like RBK Rabkut, DOK Doka, MZWR Madinat Zayed, M11K Mekoryuk, MZR Muzera, ABTO Abuto, TNA Tin City, JRN Garnin Island, GHWR Ruwais, K13K Kusilvak Mount, M13K Dail Lake, F14K Arctic Creek, ANM Nome, J14K Navarinak Lak, SDPT Sand Point, L14K Kuka Creek, SLWR Sila, N14K Kosukwak Cree, M14K Bethel, O14K Tiguykaivit M, F15K North Star Dit, G15K Niukluk, CHNA Chernabura Isl, TRNA Turayna, L15K Ungalak Mounta, S14K Fog Glacier, SHMA Al-Shabemyia, K15K Wolf Creek Mou, K15K Wolf Creek Mou, C16K Lisburne Hills, C16K Lisburne Hills, M15K Kasigluk River, SMRA Abu-Samra, O15K Ungalikthiuk R, H16K Elin, N15K Kwethluk River, SAKB Bahrain, G16K Koyur River, J16K Anvik River, D17K Nootak River, I17K Unalakleet, RDOG Red Dog Mine, L16K Owhat River, L16K Owhat River, M16K Timber Creek, N16K Nishlik Lake, E17K Hotham Inlet, F17K Baldwin Pennin, G17K Kwailk Mouta, P16K Nushagak River, R16K Point Barrow, O16K Kokwok River B, H17K Granite Mouta, J17K VABM Dome, J17K VABM Dome, L17K Donlin, E18K Tukpahleark C, E18K Tukpahleark C, B18K Kokolik River, K17K Iditarod, K17K Iditarod, C18K Urukuk River, O17K Koliganek Bris, F18K Selwisk, N17K Nushagak Hills, M17K Holitna River, M17K Holitna River, H18K Honhosa River, P17K Kvichak River, G18K Tagagawik, A19K Wainwright, CHIR Chirikof Islan, Q17K Contact Creek, L18K Granite Mouta, KIRV Kirov, KIRV Kirov, J18K Innoko River, N18K Kilae Creek, AKT Akhty, AKT Akhty, F19K Shalrueckik Mo, GCSA Galena City Sc, M18K Stony River.

5d 3h

Table of station data for 5d 3h, including station names, coordinates, and various parameters like SNR and error rates.

2019 MAY

Main table of station data for 2019 MAY, listing stations like PDAR, TXAR, TOR, and PLCA with their respective coordinates and parameters.

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Table of station data for 210, including stations like C23K, KURB, ILAR, and GRNC with their coordinates and parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Koktuh Hills, Castle Rocks, Elison Array, etc.

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

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

TEH 05 03:06:49.4, 34°18'N, 145°62'E, h14km, 41km, ML3.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GLG1, KGS1, IGHG, etc.

IDC 05 03:19:13.5, 1.9, 4°11'N, 126°59'E, h0km, mb3.4/4, mb2.0, Error ellipse: s-maj=180.8km s-min=23.2km

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

DZM Mont Dzumak 17.73 313 LR LR 03 28 58.6

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

IDC 05 03:07:10.4, 0.6, 3.98N, 126°19'E, h0km, mb4.0/14, mbmp4.1/15, ML3.5/1, MS3.4/6, Error ellipse: s-maj=39.5km s-min=13.3km

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

WEL 05 03:19:24.7, 0.7, 35°51'S, 178°34'W, h20km, ML4.8/10, South of Kermadec Islands

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

SOEI Soe 56.77 282 P P 03 28 02.3 -2.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like G009, G009, H032, H032, etc.

IDC 05 03:07:16.8, 0.5, 4°12'N, 126°72'E, 0.09, h45km, n52, 01459/50, mb4.3/23, MS3.6/6, 1E, Talau Islands

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

IDC 05 03:23.8, 0.7, 35°03'S, 179°69'W, 0.09, h35km, n127, 01955/124, mb4.5/8, MS3.6/6, East of North Island

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

IDC 05 03:21:46.0, 0.7, 46°58'N, 155°84'E, h0km, mb3.9/21, mbmp3.9/24, ML3.2/3, MS3.1/4, Error ellipse: s-maj=19.0km s-min=14.7km az=165.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URZ, Urewhera, GRZ, Great Barrier, etc.

IDC 05 03:21:49.1, 2.0, 47°0'N, 155°84'E, 0.2, h10km, 2km, mb4.3/15, Error ellipse: s-maj=24.0km s-min=13.8km

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

IDC 05 03:21:50.2, 0.7, 47°04'N, 155°80'E, 0.09, h18km, n92, 0151/69, mb4.2/32, MS3.2/3, 1E, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URZ, Urewhera, GRZ, Great Barrier, etc.

IDC 05 03:21:51.1, 2.9, 46°84'N, 155°53'E, h51km, mb4.6/3, Error ellipse: s-maj=10.4km s-min=8.1km az=70.3

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

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like SHO, YUK, RUSJ, NMR, AKK, TYV, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like VRAC, BRTR, SOKA, KBA, WATA, etc.

AUST 05:03:25:14.3:1.0, 17°S 111°12'E, h10km, mb4.0/3, ML2.9/2, Error ellipse: s-maj=26.7km s-min=8.9km az=154.2, Western Australia

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like FITZ, MBWA, PSAD1, etc.

IDC 05:03:54:05:4:14.0, 15°05S-166°28E, h0km, mb4.0/3, s-maj=240.6km s-min=38.0km az=59.0, Vanuatu Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like DZM, STKA, WRA, ASAR, etc.

IDC 05:04:07:29:3:2.2, 4°04'N, 126°17'E, h0km, mb3.5/4, mbmp3.5/4, MS2.6/1, Error ellipse: s-maj=204.3km s-min=26.2km az=64.0, DJA

ISC 05:04:07:35:0:1.5, 4°2'N, 126°6'E, h145km, n6, 0°97/6, mb4.4/4, Talaud Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like SGSI, SSGI, JOW, WRA, ASAR, STKA, MKAR, etc.

NEIC 05:04:17:20:1:1.3, 40°55'N, 127°8'W, h10km, 2km, ML3.1/36, Error ellipse: s-maj=22.9km s-min=12.3km az=256.0, IDC

IDC 05:04:17:29:8:1.7, 40°57'N, 127°0'W, h116km, n29, KARB1, mb2.9/3, Off coast of northern California

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like KMPM, JCC, KRPM, KRMF, KHHM, KMRM, KBO, KCPM, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like MCCM, I03D, I03D, I02E, etc.

JMA 05:04:32:47:6:0.4, 35°N, 1°14'3"E, h63km, MV3.3/2, FAR E OFF CENTRAL HONSHU

IDC 05:04:32:52:8:1.2, 35°20'N, 141°73'E, h0km, mb3.5/5, mbmp3.4/7, ML2.8/2, Error ellipse: s-maj=30.4km s-min=20.9km az=95.0, ISC

ISC 05:04:32:46:1:2.5, 35°27'N, 105°142'7E, h163km, n52km, n20, 0°19/24, mb3.6/5, Off east coast of Honshu

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like BSO1, BSO3, JIHU, etc.

JYN Shimob, JYN Matsushiro Arr, MJAR, MJAR

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like MAT, JJK, ISD, MKAR, etc.

ILAR Eielson Array, AFAD 05:04:39:01:9, 39°00'N, 26°05'E, h7km, 3km, ML2.6

ATH 05:04:39:02:3, 38°99'N, 26°06'E, h14km, 1km, ML2.5/3, Manual Solution by S. Liakopoulos First location: 2019/05/05 07:51:46

ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 1 km; Longitude uncertainty: 1 km; ISC 05:04:39:02:3, 38°99'N, 26°06'E, h10km, ML2.7/3

ISC 05:04:39:01:4, 1.38°99'N, 102°26'04E, h10km, 10km, n60, 0°97/18, Aegean Sea

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like SIGR, SIGR, SIGR, KARB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like YAYO, CNKL, DGB, COMU, GOAD, SOMA, GAMA, CANM, YENI, STEP, BALKESIR, BALY, GELI, HHC, LK, SMTH, KYMI, KARY, GCAM, GONE, KRBG, ERIK, ENEZ, ODEM, AYDB, SUSR, ALN, RKY, THAS, EDC, APE, MRMT, NAZL, KUL, MLBS, UKOP, KCTC, SIMA, MDNY, ARMT, TVSB.

IDC 05 04:41:57.2 0.6 4.11N:126.46E, h0km, mb4, 1/16, mbtmp4.1/16, MS3.5/41, Error ellipse: s-maj=40.9km s-min=13.6km az=70.0

DJA 05 04:41:59.8 1.3 4.19N:127.7E, h12km, 5km, M4.7/13, m85.2/6, mb4.7/9, MLV4.8/13, Mw(19)4.5/6

NEIC 05 04:42:02.7 1.6 4.12N:100.07E:126.72E:0.10, h35km, 2km, mb4.6/22, Error ellipse: s-maj=16.9km s-min=11.0km az=247.0

ISC 05 04:42:03.0 0.5 4.07N:106.6E:126.71E:0.08, h45km, n96, o160/66, mb4.5/31, MS3.7/42, 2D, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like SGI, DAV, TNTI, TNTI, MRSI, SANI, LUWI, TOLJ, APSI, NLAI, MPSI, MYLDM, FAKI, TG, SBUM, JAY, KSM, JAGI, YULB, GUMO, QIZ, QIZ, QIZ, PMG, WB0, WRA, PSI, ASAR, ASAR, NJ2, CMAR, CMAR, CMAR, JHU, PZH, PZH, TIA, KSR, KSR, MJAR, XAN, XAN, HNS.

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like HNS, HNS, HNS, HNR, EIDS, BBOO, LZH, LZH, LZH, STKA, STKA, STKA, BRDH, HHC, HHC, SHL, ARMA, ARMA, ASAJ, EVN, EVN, KLR, PALK, HEH, SONM, SONM, WMQ, WMQ, PETK, AAK, ZALV, ZALV, KURBB, KURBB, KURK, SEY, SHEM, KKAR, BVAR, BVAR, NRIK, NRIK, AB31, AKTO, ARTI, BELG, E19K, GNI, KDAD, B21K, KBZ, G23K, H23K, Vnda, E23K, ILAR, ARCES, ARCES, SPITS, FINES, FINES, AKASO, DLBC, MLR, HFS, NOA, NOA, IDC 05 04:43:06.1, WRA, WRA, WRA, ASAR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like MKAR, IDC 05 04:42:37.9, LPIG, TXAR, ANMO, PFO, NVAR, YKA, ILAR, H03N2, H03N1, H03N3, TRN, FUNV, TRN, GRRF, GRRF, PCRV, CACV, GACV, BENV, BAUV, BAUV, NNC, IDC 05 05:09:52.3, IDC 05 05:09:53.0, IDC 05 05:09:55.6, Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station identifiers. Includes stations like AML, KK31, EK2S, AAK, AAK, AAK, CHMS, CHMS, USP, TKM2, TKM2, MK31, MKAR, AB31, KURBB, AKTO, BVAO, BVAO, ZALV, FINES, ARCES, HFS, NB2, NOA, DAV, TORD, DBIC, JMA, IDC 05 05:30:40.4, SKHL, NIED, Tensor Solution, JMA 05 05:30:41.4, IDC 05 05:30:41.7, IDC 05 05:30:41.7, IDC 05 05:30:41.7.

5d 6h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Kuril'sk, Nemuro, Golovnino, Misakicho, Rausu, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Inuvik, Kurchatov, Chiang Mai Arr, Bella Bella, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Logunova, Zelenaya, Krestovskiy, Kurchatov, etc.

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

OSPL 05 06:25:17.4z-2.4, 18.72N-73.52W, h5km, 12km, ML3.3
SDD 05 06:25:18.2z-2.9, 18.83N-73.48W, h15km, 11km, MD3.5,
ML3.5, MW3.7

ISC 05 06:25:15.3z-1.5, 18.80N-075.73z-46W-0.03, h8km, 12km,
n44, s128/57, Haiti region

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PAPH, MASC, JIDR, etc.

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

IDC 05 06:29:17.9z-8.3, 22.36Sx147.64E, h0km, mbtmp2.9/2,
ML2.7/2, Error ellipse: s-maj=66.4km s-min=60.3km

ISC 05 06:29:33.0z-0.9, 40.76N-127.32W, h0km, mb3.7/1.1,
mbtmp3.6/17, ML3.2/5, Error ellipse: s-maj=23.6km
s-min=11.7km az=26.0

NEIC 05 06:29:34.6z-1.4, 40.59N-107.06z-127.2W-0.2, h10km, 2km,
ML3.3/62, Error ellipse: s-maj=20.2km s-min=10.2km
az=257.0

ISC 05 06:29:34.0z-0.8, 40.62N-107.07z-127.3W-0.1, h10km, n66,
s110/60, mb3.9/11, Off coast of northern California

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KMPM, ASAR, I22FR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ULM, ILAR, H11N3, etc.

NEIC 05 06:32:10.5z-1.4, 40.56N-104.127z-6W-0.2, h10km, 2km,
mb4.3/87, ML3.4/46, Error ellipse: s-maj=22.9km
s-min=3.1km az=252.0

IDC 05 06:32:13.4z-1.5, 40.93N-127.735W, h0km, mb3.6/6,
mbtmp3.6/11, ML3.0/4, MS3.4/9, Error ellipse:
s-maj=32.7km s-min=14.2km az=20.0

ISC 05 06:32:13.5z-1.1, 40.67N-107.127z-43W-0.10, h10km,
n101, s154/49, mb4.3/41, Off coast of northern California

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRPM, L02F, K02D, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kaye Shedlock, Rita Blanca, Muleshoe, etc.

KRNET 05 06:32:49.9.0.1, 41.90N:78.55E, h17km, mb2.4
SOME 05 06:32:50.6, 41.92N:78.50E, h10km
NNC 05 06:32:52.4, 41.02:05N:78.50E, h1km, mb3.0, mpv2.9, Error ellipse: s-maj=6.7km s-min=3.4km az=167.0, Suspected Mining explosion.

ISC 05 06:32:52.2.1.2, 41.97N:0.04:78.35E, 0.03, h17km, 9km, n26, c1906/46, 13C-5D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Taragay, Przheval'sk, Kajisy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURS Kuram, MDOOK Mledet, ULHL Ulahoi, etc.

ISC 05 06:40:20.7.2.5, 4.32N:127.12E, h0km, mb3.4/3, mbmp3.4/3, Error ellipse: s-maj=189.2km s-min=28.5km az=66.0, Talaud Islands

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

SDD 05 06:46:19.3.2.0, 20.78N:69.46W, h117km, 25km, MD3.4, ML3.1, MW3.2
SSNC 05 06:46:20.4.1.6, 22.01N:70.04W, h20km, 24km, MD3.9, ML2.6
OSPL 05 06:46:20.5.1.6, 20.70N:69.59W, h0km, 15km, ML2.5
ISC 05 06:46:17.6.1.3, 20.76N:0.05:69.68W, 0.05, h10km, n17, c175/33, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUDR Luperon, SMDR Samana, DR, GRTK Grand Turk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ABDR Alto Bandera, REDR Restauracion, SDDR Presa de Saban, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 05 06:46:55.7.0.5, 40.69N:127.34W, etc.

Table with columns: COR, H04D, H04D, AFDM, J05D, HEB0, G03D, H04A, MPK, I05D, G04A, CMB, CMB, F03A, SAO, SAO, PNTR, PAHR, F04D, BBGB, EG3A, G06A, PMPB, WVOR, WVOR, WSH, NVAR, NVAR, LON, LON, NV11, GNW, DSIP, E07A, HAWA, LTY, E08A, PC3, ISA, ISA, D08A, MFD, F10A, CCAC, ELK, ELK, ELK, TPNV, TPNV, PLID, GWY, B08A, GSC, GSC, HLID, SHPR, NEW, NEW, NEW, PFO, PFO, PFO, DLMT, KNB, KWB, HW13, W13A, TCUA, BLYC, TMJT, FXWY, U15A, BOZ, BOZ, TPWA, GLA, GLA, Q16A, ESHJ, YXB, YHL, SNOW, MOOW, YNR, M0BC, SRU, P16A, HMU, Y14A, P13A, PD31, PDAR, PDAR, WUAZ, SFX, V35K, MVCO, U35K, TUC, TUC, TUC, K22A, K22A, U33K, U33K, S22A, WRAK, WRAK, LAO, T35M, T35M, DUN6, Q24A, Q24A, ANMO, ANMO, ANMO

Table with columns: ANMO, ANMO, BRIG0, Y22D, S34M, S32K, S32K, BNM, HSG, DLBC, DLBC, DLBC, T25A, SRIG, DGMT, R32K, S31K, TOAD, R31K, Q32M, LIRD, R33M, R33M, OGNE, P32M, P32M, SKAG, SKAG, WTLY, WTLY, KOTAN, P33M, P33M, P29M, P29M, P30M, PHLN, MXTX, WHY, K30B, N32M, N32M, O30N, O29M, O29M, TGTN, PECS, PIMS, PCA, HYT, HYT, HYT, YUK6, N31M, N31M, MESA, MESA, ODSA, O28M, YAH, N30M, ALPN, LPIG, LPIG, YUK4, LOGN, LOGN, POST, POST, FFC, FFC, BGNE, SUCK, SUCK, GRNC, M31M, SMWV, YUK6, WAX, WAX, KAIM, CTG, R32A, MERP, B69, Q23K, ELIS, TGL, TX31

Table with columns: TXAR, TXAR, HMT, CRQE, SN07, NOKA, SN05, RAGM, YUK3, M30M, WRGLY, WRGLY, SGCV, APMT, APMT, M29M, M29M, MCARA, EYAK, EYAK, BMRM, P23K, F33A, KAN1, YKA, YKA, YKAW1, YKAW1, KAN01, L34A, L34A, YKAW3, YKAW3, WMOK, BVCY, KAN09, L29M, L29M, L29M, DIV, M27K, M27K, N25K, ABTX, KSU1, OHAK, OHAK, OHAK, KODAK, KODAK, KODAK, KODAK, GLI, SII, M26K, KLU, SEW, SEW, ULM, ULM, ULM, ULM, ULM, ULM, CHIR, CHIR, S20K, S20K, K29M, PWL, PWL, X34A, X34A, L27K, BRSE, CNPM, BRK, O22K, HARP, R18K, M24K, M24K, HOM, L26K, L26K, MENT, SLKM, SLKM, SCM, JCT, KNK, KNK, DAWY

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like ZAK, PB16, GUMO, SONM, BMRD, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like OBN, PESTR, EVO, OSTC, HNS, BTO, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like ABTA, CONA, MODS, H03N3, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like YBHQ, YBHQ, YBH, J01E, J01E, L04D, L04D, BBOR, BBOR, I03D, I03D, M03D, M03D, H04A, H04A, H04A, H04A, Y04A, Y04A, P04A, P04A, G04A, G04A, SAO, SAO, PMPB, PMPB, NVAR, NVAR, PDAR, PDAR, ANMO, ANMO, TXAR, TXAR, YKA, YKA, ILAR, ILAR, H1N3, H1N3, H1N2, H1N2, H1N1, H1N1, H1S1, H1S1, H1S2, H1S2, H1S3, H1S3.

NEIC 05 07:12:01.2±0.2, 0.40°61'N; 127°5'W; 0.2, h10km±2km, ML3.2/56, Error ellipse: s-maj=21.4km s-min=14.0km az=256.0

IDC 05 07:12:05.2±6.1, 01°05'N; 126°8'W; h0km, mb3.0/3, mbtm3.1/7, ML3.6/2, MS2.8/4, Error ellipse: s-maj=43.4km s-min=20.1km az=39.0

ISC 05 07:12:05.8±1.6, 40.72°N; 0°07'12.1'W; 0.1, h10km±n50, r1561/44, mb3.0/3, Ofz=0.07 east of northern California

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like KMPM, KMPM, JCC, JCC, KRPM, KRPM, KRPM, KRPM, KHMM, KHMM, KBO, KBO, KBO, KBO, KMRM, KMRM, KMRM, KMRM, KCPM, KCPM, KCPM, KCPM, K02D, K02D, C02D, C02D, J01E, J01E, J01E, J01E, YBH, YBH, YBH, YBH, YBH, YBH, DBO, DBO, DBO, DBO, GDXM, GDXM, L04D, L04D, L04D, L04D, BBOR, BBOR, BBOR, BBOR, I03D, I03D.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like I03D, I03D, I02E, I02E, M03D, M03D, M03D, M03D, H04A, H04A, H04A, H04A, K04D, K04D, B04A, B04A, J05D, J05D, J05D, J05D, H04A, H04A, PINE, PINE, CMB, CMB, SAO, SAO, BBG, BBG, I07A, I07A, W04A, W04A, PMPB, PMPB, J08A, J08A, NVAR, NVAR, NEW, NEW, PDAR, PDAR, PDAR, PDAR, ANMO, ANMO, ANMO, ANMO, TXAR, TXAR, TXAR, TXAR, YKA, YKA, YKA, YKA, ILAR, ILAR, H1N3, H1N3, H1N2, H1N2, H1N1, H1N1, H1S1, H1S1, H1S2, H1S2, H1S3, H1S3.

NNC 05 07:29:42.0±0.9, 41°94'N; 78°61'E; h0km, mb2.9, mpv2.7, Error ellipse: s-maj=6.0km s-min=2.9km az=162.0, Suspected Mining explosion.

KRNET 05 07:29:41.2±0.1, 41°90'N; 78°56'E; h14km, mb2.4, SOME 05 07:29:42.0, 42°00'N; 076°78'55'E, ISC 05 07:29:39.3±1.8, 41°84'N; 076°78'61'E; 0.06, h13km±11km, n25, 0°86/40, 19C-5D, Kyrgyzstan-Xinjiang border

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like TARG, TARG, PRZ, PRZ, KHZ, KHZ, KDJ, KDJ, ANVS, ANVS, SATY, SATY, PDGK, PDGK, KURS, KURS, TNS5, TNS5, MDOK, MDOK, MDOK, MDOK, KOTS, KOTS, ULHL, ULHL, NRR, NRR, NRR, NRR, MTBS, MTBS, BOOM, BOOM, BLB, BLB, KST, KST, KST, KST, CHKK, CHKK, CHKK, CHKK, KTBS, KTBS, KTBS, KTBS, TKM2, TKM2, TKM2, TKM2, DGS, DGS, DGS, DGS, KNOS, KNOS, KNOS, KNOS, KUU, KUU, KUU, KUU, UCH, UCH, UCH, UCH, ARLS, ARLS, ARLS, ARLS.

NIED 05 07:38:38.6±37.86°N; 138°16'E; h14km, MW3.4, Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm; M1: 1.40; M2: 1.09; M3: 0.30; M4: 0.44; M5: 0.46; M6: 0.47; Fault plane solution: M1: 5.0000x10^14 NP1: 0.73.0000°, 834.0000°, 104.0000°. NP2: 0.236.0000°, 858.0000°, 81.00000°

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like JSD, JSD, JIZZ, JIZZ, JSZ, JSZ, JNN, JNN, JNS, JNS, JNS, JNS, JUNG, JUNG, JHG, JHG, JAW, JAW.

IDC 05 07:47:01.0±9.4, 15°66'S; 173°71'W; h0km, mb3.7/2, mbtm3.7/2, Error ellipse: s-maj=421.6km s-min=64.2km az=140.0, Tonga Islands

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

NOU 05 07:58:33.1, 41°20'S; 173°54'E; h95km, MLv3.7/12, South Island, New Zealand, WEL 05 07:58:34.6±0.6, 41°S; 17°3'E; h71km, 6km, M3.2/18, ML3.5/19, MLv3.2/18, Error ellipse: s-maj=6.4km s-min=4.4km az=0.3, confirmed

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like NNZ, NNZ, BTWS, BTWS, BWRS, BWRS, TUWZ, TUWZ, TKNZ, TKNZ, DUWZ, DUWZ, TCW, TCW, MRNZ, MRNZ, BSWZ, BSWZ, THZ, THZ, CMWZ, CMWZ, QNZ, QNZ, QNZ, QNZ, SNZO, SNZO, WEL, WEL, BHW, BHW, KIWI, KIWI, CAW, CAW, KHZ, KHZ, KHZ, KHZ, MSWZ, MSWZ, PLWZ, PLWZ, DSZ, DSZ, PAWZ, PAWZ, CMWZ, CMWZ, HOWZ, HOWZ, MRZ, MRZ, TRWZ, TRWZ, OHWZ, OHWZ, PKWZ, PKWZ, TMWZ, TMWZ, GVZ, GVZ, WAZ, WAZ, LTZ, LTZ, LREZ, LREZ, THWZ, THWZ, POWZ, POWZ, PREZ, PREZ, KHEZ, KHEZ, KHEZ, KHEZ, NIEZ, NIEZ, PRWZ, PRWZ, DREZ, DREZ, AMZ, AMZ, BFZ, BFZ, GFZ, GFZ, ICHW, ICHW, TSZ, TSZ, DVHZ, DVHZ, VRZ, VRZ, MTWZ, MTWZ, PKWZ, PKWZ, ANWZ, ANWZ, OXZ, OXZ, PNHZ, PNHZ, TRVZ, TRVZ, WNVZ, WNVZ, MOVZ, MOVZ, MAVZ, MAVZ, WHVZ, WHVZ, FWVZ, FWVZ, WPHZ, WPHZ, TUWZ, TUWZ, PRHZ, PRHZ, OKCZ, OKCZ, TWVZ, TWVZ, SNVZ, SNVZ, MGZ, MGZ, OTVZ, OTVZ, WTVZ, WTVZ, NTVZ, NTVZ, KRHZ, KRHZ, MHZC, MHZC, PKZ, PKZ, HAZ, HAZ, KAHZ, KAHZ, BKZ, BKZ, RPZ, RPZ, ODZ, ODZ, JCSZ, JCSZ, KUZ, KUZ.

KRNET 05 08:25:30.6±0.1, 41°82'N; 78°67'E; h26km, mb2.2, NNC 05 08:25:33.5±0.1, 41°93'N; 78°59'E; h2km±6km, mb2.7, mpv2.5, Error ellipse: s-maj=7.4km s-min=3.7km az=160.0, Suspected Mining explosion.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Taragal, Kyrgy, Prizheval'sk, Kajsaiya, Anan'yevov, Saty, Uzynbulak, Uzb, PDGK, TNS, UHLH, Naryn, Booms koye usch, Kaste, Karatobe, KTBS, TKM2, etc.

MOS 05:08:42.46.2.1.0.6:20S:145:71E, h114km, mb5.5/46, Error ellipse: s-maj=9.0km s-min=5.2km az=112.2
NEIC 05:08:42.47.9.6:31S:145:78E, h120km, Moment Tensor
NEIC 05:08:42.47.9.6:31S:146:00E, h120km, Moment Tensor
Duration: 159 Moment tensor: Scale 10^18Nm:
Mw=5.89; Mw6.02; Mw=0.13; Mw=1.31; Mw=1.18; Mw=0.27;
Fault plane solution: M6.21000x10^16 NP1:
phi=280.24000; delta=838.79000; lambda=90.43000; NP2:
phi=100.79000; delta=122000; lambda=89.66000; Principal axes:
T=6.3887, Plg6.0000; Azm191.0000; N=0.3482,
Plg0.0000; Azm281.0000; P=0.0404, Plg84.0000;
Azm13.0000;
IDC 05:08:42.47.2.1.0.6:32S:145:76E, h115km, mb5.1/29,
mbmp5.4/33, MS3.9/27 Error ellipse: s-maj=11.2km
s-min=6.6km az=80.2
NEIC 05:08:42.48.1.9:6:29S:0:06:145:77E:0:07: h116km,4km,
mb5.3/353, Mw6.5/33, Error ellipse: s-maj=10.0km
s-min=7.8km az=63.0
DJA 05:08:42.49.4.0.4.6:5:3:14:6E:1, h127km,4km, M5.2/69,
mB5.6/50, mb5.4/69, MLV5.6/5, Mw(mB)5.2/50,
MwMwp4.8/5, MwMps.2/5
GCMT 05:08:42.50.1.0.1.6:25S:0:01:145:76E:0:01: h132km,1km,
MW5.2/130, Moment Tensor Solution. s95,c127,
s130,c223; Duration: 150 Moment tensor: Scale 10^17
Nm; Mw=0.69; M1=0.64; M2=0.04; M3=0.04; M4=0.04;
M5=0.22; M6=0.34; M7=0.1; M8=0.04; M9=0.1; Best double
couple: M0.78000x10^17 NP1: phi=306.0000; delta=339.00000;
lambda=72.00000; NP2: phi=103.00000; delta=853.00000;
lambda=104.00000; Principal axes: T=0.8210, Plg7.0000;
Azm203.0000; N=0.0830, Plg11.0000; Azm112.0000;
P=0.7390, Plg77.0000; Azm324.0000; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

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

Table with columns: WRA, Warramunga Arr, 17.51 218, P, 08 46 43.5 -0.5, etc. Includes stations like WRA, WRA, WRA, WRA, WRA, etc.

Table with columns: FORT, Forrest, 29.46 212, P, P, 08 48 40.7 +0.3, etc. Includes stations like FORT, FORT, FORT, FORT, FORT, etc.

Table with columns for location (e.g., Nanjing, Kulim, Korea Array), time (e.g., 46.02 328), and status (e.g., P, S, Pmax). Includes sub-headers like 'C2N2' and 'C2N1'.

Table with columns for location (e.g., Beijing, Taiyuan, Chengdu), time (e.g., 53.62 332), and status (e.g., P, S, Pmax). Includes sub-headers like 'C2N2', 'C2N1', and 'C2N3'.

Table with columns for location (e.g., Songino Array, Magadan, Yakutsk), time (e.g., 64.14 332), and status (e.g., P, S, Pmax). Includes sub-headers like 'C2N2', 'C2N1', and 'C2N3'.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, D22K Aiyikyak River, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like G26K Porcupine River, F26K Sheehik River, O29M Mount Kennedy, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like AB31 Akbulak array, ABKAR Akbulak array, F31M Tsigientchic, etc.

2019 MAY

Table with 7 columns: Station name, Code, Station Name, Az°, Phase, I, Time, Res. Rows include stations like Kasperke Hory, Niedersach Rie, GERESS Array S, etc.

Table with 7 columns: Station name, Code, Station Name, Az°, Phase, I, Time, Res. Rows include stations like Mesesja, Vaqueiros, Castro Verde, Barranco-do-Ve, Sao Teoninio, Vila Bisbo, etc.

Table with 7 columns: Station name, Code, Station Name, Az°, Phase, I, Time, Res. Rows include stations like Ofunato, Ishinomakikubo, Inohosono, Ohasama, Cibinong, Luwuk, etc.

Table of astronomical observations for 5D 9h, listing object names (e.g., COEN Coen, GRJ1 Gresik), coordinates, and observation parameters.

Table of astronomical observations for 2019 MAY, listing object names (e.g., SRIT comp=Z,71nm,0.7s), coordinates, and observation parameters.

Table of astronomical observations for 2019 MAY, listing object names (e.g., HHC Lhasa, BTO Baotou), coordinates, and observation parameters.

Table of astronomical observations for 2019 MAY. Columns include station names (e.g., YAK, MDH, UOSS), coordinates, dates, and various data points.

2019 MAY

Table of astronomical observations for 2019 MAY. Columns include station names (e.g., MDH, UOSS, HATD, ASHO), coordinates, dates, and various data points.

Table of astronomical observations for 2019 MAY. Columns include station names (e.g., AK07, AK11, MNK), coordinates, dates, and various data points.

UPP 05 09:45:05.2±0.1, 67:63N±21.02E, h0km, ML 1.9, Unknown
HEL 05 09:45:05.7±0.2, 67:62N±21.00E, h0km, ML 1.8, Suspected
IDC 05 09:45:06.7±1.0, 67:58N±21.53E, h0km, mbmp3.1/4,
ML2.0/4, Error ellipse: s-maj=16.3km s-min=8.4km
az=107.0
ISC 05 09:45:05.2±0.7, 67.63N±0.02±21.04E±0.02, h0km, m38,
c1905/63, Sweden

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like Cerro Verde, SBL, SBL, LALI, SANJOSE, etc.

NOU 05 11:23:58.7, 141.81S; 167.25E, h105km, MLV4.3/7, Vanuatu Islands
IDC 05 11:23:59.4, 105.0, 15.34S; 165.09E, h0km, mb3.9/3, mbmp3.9/3, Error ellipse: s-maj=1756.0km s-min=111.4km az=64.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like VLAKA, KOUNC, DZM, PINNC, STKA, etc.

IDC 05 11:56:29.9, 2.0, 5.67S; 130.74E, h0km, mb3.8/2, mbmp3.8/5, ML3.7/3, MS2.9/1, Error ellipse: s-maj=93.8km s-min=25.8km az=78.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like BNDI, FAKI, FAKI, FAKI, etc.

JMA 05 12:29:06.9, 0.3, 29.9N; 0.7x14.2E, h52km, MV3.3/10, NEAR TORIJIWA IS
IDC 05 12:29:06.4, 4.4, 29.72N; 141.82E, h0km, mb3.6/5, mbmp3.6/7, ML3.0/2, Error ellipse: s-maj=183.4km s-min=18.5km az=73.0

ISC 05 12:29:08.8, 1.8, 30.22N; 0.2x142.8E, 0.4, h35km, n10, c1876/11, mb3.7/5, Southeast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like JCJ, JCJ, JHU2, JRY, etc.

IDC 05 12:33:21.4, 2.4, 1.77N; 125.39E, h105km, 21km, mb3.9/16, mbmp4.3/18, Error ellipse: s-maj=29.8km s-min=9.4km az=75.0
NEIC 05 12:33:22.2, 2.1, 1.80N; 0.06x125.61E, 0.07, h111km, 8km, mb4.4/19, Error ellipse: s-maj=12.1km s-min=6.2km az=47.0
DJA 05 12:33:23.1, 0.2, 2.1N; 3x12.6E, h75km, 5km, M4.7/19, mb5.2/6, mb4.6/3, ML4.8/19, Mw(M4.6)/6

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like SSGSI, TNTI, TNTI, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like MTN, MTN, MTN, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like QIS, AS31, ASAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like HHC, HHC, USRK, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like BMAR, GSPA, etc.

KRNET 05 12:52:24.4, 0.1, 41.92N; 78.51E, h14km, mb2.4
SOME 05 12:52:25.2, 41.93N; 78.48E, h5km
NMC 05 12:52:25.7, 0.8, 41.97N; 78.55E, h0km, mb3.1, mpv3.1, Error ellipse: s-maj=5.9km s-min=3.0km az=161.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like PRZ, PRZ, TARG, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like ZHN, ZHN, ZHN, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like PSA00, QIS, ASAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like HHC, HHC, USRK, etc.

SJA 05 13:01:54.4-0.6, 21.05S:68.98W, h116km, 3km, ML3.6, MW3.6

GUC 05 13:01:55.9-0.8, 21.05S:68.92W, h112km, 4km, ML3.7

ISC 05 13:01:56.3-1.6, 21.07S:0.03:68.99W, 0.07, h108km, 11km, n23, c0876/39, 6C, Chile-Bolivia border

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, Diego Aracena, Huaiquique, Chusmiza, San Pedro de A, and Yavi.

SJA 05 13:24:59.0-0.7, 23.49S:68.11W, h125km, 11km, ML3.4, MW3.6

GUC 05 13:25:02.3-0.8, 23.55S:68.31W, h126km, 5km, ML3.6

ISC 05 13:25:00.2-1.5, 23.49S:0.04:68.22W, 0.05, h136km, 12km, n26, c219/41, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like San Pedro de A, IPOC Station P, Yavi, and Pan de Azucar.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Maricunga, Diego Aracena, Copiapo, and Vinchina.

ISC 05 13:28:33.6-1.0, 18.76N:146.57E, h82km, 5km, mb3.7/17, mbtmp4.0/19, MS2.4/2, Error ellipse: s-maj=26.7km s-min=10.0km az=89.0

NEIC 05 13:28:35.1-1.1, 18.90N:0.07:146.5E:0.1, h88km, 7km, mb3/07, Error ellipse: s-maj=18.8km s-min=10.0km az=88.0

ISC 05 13:28:34.0-0.5, 18.82N:0.05:146.5E:0.1, h83km, n70, c0927/4, mb4.4/34, Mariana Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GUMO, GUMU, JUNG, KURSA, and WARRAMUNGA ARR.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Kavik River, Borovoye Array, Barlow Dome, and Karatay Array.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ARCES, FINES, and BRTR.

SOME 05 13:31:34.6-1.4, 41.45N:83.52E, h5km, NNC 05 13:31:36.8-1.3, 41.34N:83.32E, h10km, 7km, mb3.9, mpv3.5, Error ellipse: s-maj=9.9km s-min=7.0km az=165.0

ISC 05 13:31:34.9-2.8, 41.44N:0.1:83.32E:0.09, h10km, n24, c216/33, 3C-5D, Southern Xinjiang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SHLS, SHLS, SHLS, and various other stations.

ISC 05 13:43:12.9-1.7, 19.80S:178.44W, h551km, 18km, mb3.0/9, mbtmp3.9/11, Error ellipse: s-maj=25.4km s-min=17.6km az=134.0

NEIC 05 13:43:14.7-1.3, 19.8S:0.2:178.5W:0.2, h574km, 11km, mb4.4/17, Error ellipse: s-maj=33.6km s-min=20.5km az=140.0

ISC 05 13:43:11.0-0.8, 20.3S:0.1:178.1W:0.1, h550km, n33, c1918/33, mb3.7/15, Fiji Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NONSUV, NONSUV, PINNC, and RTZ.

Table with columns: Code, Station Name, Az, El, P, Res, Time, ISC, h, m, s, ISC. Includes stations like MRZ Mangatainoka R, ORZ Quartz Range, ARMA Armadale, etc.

IDC 05 13:55:26.9, 0.5, 4.14N, 126.65E, h0km, mb4.2/26, mbmp4.2/28, ML3.8/2, MS3.5/25, Error ellipse: s-maj=24.3km s-min=11.0km az=76.0

Table with columns: Code, Station Name, Az, El, P, Res, Time, ISC, h, m, s, ISC. Includes stations like SGSI Sangihe, DAV Davao City (W), etc.

Main table with columns: Code, Station Name, Az, El, P, Res, Time, ISC, h, m, s, ISC. Includes stations like PSI Prapat, AS31 Alice Springs, ASAR ASAR, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, ISC, h, m, s, ISC. Includes stations like AAK, ZALV Zalesovo Beam, ZALV ZALV, etc.

DJA 05 14:40.0, 0.2, 3.1N, 3.12E, h539km, 3km, M4.2/32, mb4.4/32, mb4.7/17, MLv4.8/19, Mw(mb)3.9/17

5d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TOLI2, MRSI, KMSI, SGSI, etc.

2019 MAY

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

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

Table with columns: GUMO, BBOO, BBOC, BLDU, STKA, HTT, CMSA, KULM, ARPS, BSI, CMAR, CHTO, WJN, NJ2, PZH, MJAR, MAJO, MAJO, MJB9, KSR5, HHC, USRK, GQA, EVN, ULN, ULN, SONM, PETK, KSH, MK31, MKAR, MAKZ, YAK, BOOM, TKM2, AAK, AAK, AAK, AAK, AML, USP, EK52, ZALV, SEY, SIMJ, KURBB, KURK, KURK, VONA, KK31, MAW, MAW, BRVK, BRVK, TXI, TXI, VOI, NR1K, ABKAR, ARTI, ARTI

Table with columns: ARTI, RAYN, ELIB, KBT, YKA, VYHS, ULM, TORD, DBUC, CPUP, LPAZ, UCR, CATAC, SNET, ISOC, Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC

Table with columns: PLVR, CMARA, JTS, VARE2, PARI1A, PICOV, ABEZ, LCR2, SAJKE, DRKO, NEIC, SDCO, SDCO, T2SA, T2SA, S22A, S22A, Q24A, Q24A, ISCO, ISCO, RTBA, JMA, SKHL, ISOC, Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC

mbmp3.9/6,MS3.6/1,Error ellipse: s-maj=38.2km s-min=20.6km az=126.0

ISC 05 16:07:06.1-0.6,3.79S;0.05x136.38E;0.05,h50km,n43,

c219/47,mb4.2/13,Irian Jaya

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

DJA 05 16:12:18.7-0.6,4.14N;4.127E;h17km,3km,M3.7/9,

mb3.7/3,MLv3.7/9,Talud Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Talud Islands event.

TEH 05 16:21:13.2,34.40N;45.66E,h10km,96km

ISC 05 16:21:14.1-1.4,34.43N;45.62E,h20km,10km,ML2.8

ISC 05 16:21:13.7-0.9,34.41N;0.04x45.64E;0.04,h9km,8km,

n11,0.63/17,Iran-Iraq border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Iran-Iraq border region event.

IDC 05 16:23:08.3-7.7,18.76S;176.94W,h0km,mb3.8/2,

mbmp3.8/2,Error ellipse: s-maj=339.7km

s-min=120.8km az=153.0,Fiji Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Fiji Islands region event.

IDC 05 16:25:51.3-0.6,1.98S;122.65E,h0km,mb4.1/15,

mbmp4.2/16,ML3.8/1,MS3.0/6,Error ellipse:

s-maj=32.4km s-min=12.8km az=76.0

NEIC 05 16:25:52.9-1.4,1.99S;0.05x122.53E;0.07,h10km,1km,

mb4.7/20,Error ellipse: s-maj=12.0km s-min=8.8km

az=284.0

DJA 05 16:25:53.0-2.2,S;2.12E;h10km,M4.5/26,mB5.0/9,

mb5.0/13,MLv4.7/26,Mw(mB)4.3/9

ISC 05 16:25:52.8-0.4,2.02S;0.04x122.51E;0.05,h10km,n106,

c1504/104,mb4.5/30,MS3.0/5,Sulawesi

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Sulawesi event.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Sulawesi event.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Sulawesi event.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Sulawesi event.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Sulawesi event.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Sulawesi event.

Table with columns: RER SEY, Riviere de l'E, 67.63 248 P P, 16 36 49.3 +1.3, 16 36 56.0 +0.5, etc. Lists seismic events with station codes and times.

IDC 05 17:08:43.5-1.0,46.75N;153.22E,h0km,mb3.5/7,

mbmp3.6/13,ML3.3/5,MS2.8/5,Error ellipse:

s-maj=26.8km s-min=16.8km az=126.0

MOS 05 17:08:46.6-1.2,46.68N;153.25E,h34km,mb4.4/1,Error

ellipse: s-maj=14.9km s-min=7.7km az=53.9

SKHL 05 17:08:47.8-0.8,46.70N;153.30E,h60km,5km,mb4.9/5

ISC 05 17:08:48.4-0.6,16.10N;153.20E;0.09,h35km,n47,

c169/45,mb3.5/6,1C-1D,Kuril Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Kuril Islands event.

comp=Z,0.6nm,0.6s,baz=60,slow=9.8,SNR=1.5

Table with columns: H11N2, H11N1, H11N3, H11S1, H11S3, H11S2, ILAR, ZALV, YKA, FINES, ULM, ASAR, TXAR, H03N2, H03N1, H03N3. Includes station names, times, and coordinates.

IDC 05 17:15:11.4-0.9, 29.84N:129.59E, h140km, 10km, mb2.9/5, mbmp3.3/8, Error ellipse: s-maj=28.0km s-min=8.4km az=107.0

JMA 05 17:15:12.3-0.1, 29.9N:0.5:129.8E:0.9, h137km, 1km, MV3.0/38, NEAR TOKARA ISLANDS

ISC 05 17:15:11.7-0.8, 29.87N:0.05:129.67E:0.09, h142km, 7km, n22, r111/30, mb3.2/5, Ryukyu Islands

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like JNN, JKC, JYAK, etc.

DJA 05 17:19:32.3-0.2, 2.5:2.2:12.3E, h10km, M3.9/15, mB4.4/1, mb4.2/2, MLV3.8/15, Mw(MB)3.6/1, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like LUWI, KDI, MRSI, etc.

NEIC 05 17:26:27.0-0.8, 18.98N:0.07:155.60W:0.08, h44km, 6km, Error ellipse: s-maj=13.9km s-min=5.2km az=136.0

HVO 05 17:26:28.9-0.7, 18.95N:0.07:155.59W:0.03, h38km, 4km, M2.0/14, ML2.6/30(NEIC), Error ellipse: s-maj=10.0km s-min=4.2km az=168.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KHU, HTP, SDHH, etc.

Table with columns: MLH, KNHH, STCH, JCUZ, INPOC, HHM, JOKA, JOKA. Includes station names, times, and coordinates.

NNC 05 17:45:25.0-12.0, 36.64N:70.35E, h91km, 319km, mb3.1, mpv3.7, 2C-1D, Error ellipse: s-maj=197.9km s-min=85.3km az=69.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KK31, AAK, AB31.

IDC 05 17:53:33.0-4.3, 6.47S:142.92E, h0km, mb3.5/2, mbmp3.6/5, ML3.5/3, Error ellipse: s-maj=106.3km s-min=28.1km az=96.0, New Guinea

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

KRSC 05 17:58:20.7-1.6, 51.38N:157.58E, h126km, 12km, M4.1, MOS 05 17:58:21.3-1.1, 51.54N:157.09E, h130km, mb3.7/1, Error ellipse: s-maj=18.3km s-min=4.4km az=71.7

IDC 05 17:58:24.4-1.5, 51.73N:156.91E, h136km, 11km, mb3.1/10, mbmp3.6/12, Error ellipse: s-maj=25.4km s-min=13.6km az=155.0

ISC 05 17:58:22.0-0.7, 51.146N:0.06:157.41E:0.07, h124km, 5km, n83, r128/109, mb3.9/9, Near east coast of Kamchatka

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

CATAC 05 17:58:54.6-0.4, 12.2N:8.8W, h32km, 4km, M4.4/29, MLV4.4/29, Error ellipse: s-maj=5.6km s-min=1.8km az=28.5, confirmed

SNET 05 17:58:56.5-2.4, 12.54N:87.88W, h26km, ML4.3, UCR 05 17:58:56.1-1.7, 12.80N:87.61W, h64km, MW4.3, NEIC 05 17:58:57.3-2.0, 12.76N:0.07:87.59W:0.08, h64km, 8km, mb4.3/26, Error ellipse: s-maj=14.0km s-min=7.2km

IDC 17:59:01.0-0.3, 12.96N:87.35W, h90km, 38km, mb3.3/4, mbmp3.8/6, MS3.0/5, Error ellipse: s-maj=75.6km s-min=27.0km az=43.0

ISC 05 17:58:55.8-0.9, 12.50N:0.05:87.82W:0.04, h60km, 8km, n142, r137/147, mb4.2/16, 3D, Near coast of Nicaragua

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like CSGN, POTN, POTN, etc.

Table with columns: TUMD, KMNR, KMNR, KPT, KIRR, KIRR, BZMR, BZMR, BZGR, BZGR, ZLN, ZLN, CIRR, CIRR, KRSR, KRSR, SMKR, SMKR, KBTR, KBTR, KBG, KBG, MA2, MA2, KLR, KLR, MJAR, MJAR, ILAR, ILAR, H11N2, H11N3, H11N1, H11S1, H11S3, H11S2, YKA, YKA, KURK, KURK, MKAR, MKAR, BVAR, BVAR, CMAR, CMAR, PDAR, PDAR, TXAR, TXAR, ASAR, ASAR.

CATAC 05 17:58:54.6-0.4, 12.2N:8.8W, h32km, 4km, M4.4/29, MLV4.4/29, Error ellipse: s-maj=5.6km s-min=1.8km az=28.5, confirmed

SNET 05 17:58:56.5-2.4, 12.54N:87.88W, h26km, ML4.3, UCR 05 17:58:56.1-1.7, 12.80N:87.61W, h64km, MW4.3, NEIC 05 17:58:57.3-2.0, 12.76N:0.07:87.59W:0.08, h64km, 8km, mb4.3/26, Error ellipse: s-maj=14.0km s-min=7.2km

IDC 17:59:01.0-0.3, 12.96N:87.35W, h90km, 38km, mb3.3/4, mbmp3.8/6, MS3.0/5, Error ellipse: s-maj=75.6km s-min=27.0km az=43.0

ISC 05 17:58:55.8-0.9, 12.50N:0.05:87.82W:0.04, h60km, 8km, n142, r137/147, mb4.2/16, 3D, Near coast of Nicaragua

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

5d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAS3, MASN, YUSH, LOMA, etc.

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

2019 MAY

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NMR, NEM2, JTKR, etc.

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

VIE 05 19:18:37.3±1.5, 44.01N; 18:57E, h8km, mb2.6/4, ml2.2/5, ms3.7/1, Error ellipse: s-maj=31.1km s-min=9.8km az=24.0 23 km NNE of Sarajevo

BEO 05 19:18:41.3±0.6, 43.71N; 17:08E, h0km, ML2.3/6 RHSSO 05 19:18:41.9±0.3, 43.74N; 17.14E, h4km, mb2.2m, ML2.3/11 PDG 05 19:18:42.3±0.3, 43.65N; 17.15E, h0km, ML2.5/9, Error ellipse: s-maj=0.7km s-min=1.8km az=0.0

ISC 05 19:18:41.6±1.1, 43.75N; 02:17.17E, 0.02, h1km, 10km, n52, c184/94, 8C-2D, Northwestern Balkan Peninsula

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

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

GCG 05 19:26:48.9±1.8, 14.03N; 91.53W, h38km, 94km, MD4.1, ML3.5, MW3.3 CATA 05 19:26:48.5±0.7, 14°N, 4°W, h34km, 10km, M4.1/13, MLV4.1/13, Error ellipse: s-maj=10.0km s-min=4.7km az=38.5, confirmed

SNET 05 19:26:49.6±1.6, 14.18N; 91.45W, h40km, ML3.5 ISC 05 19:26:48.2±1.8, 14.02N; 91.56W, 0.08, h76km, 13km, n43, c1918/56, Guatemala

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

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

5d 20h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, h, s, ISC. Includes stations like CCIG Comitan, LCR2 La Lucha 2, OCHAL Ojochal, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, h, s, ISC. Includes stations like ECSD EROS Data Center, Pinyon Flats 0, COWI Conover, etc.

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

RSNC 05.20.38:39.8-0.0,7N:1.7,73W:1.7, h152km,2.2km, M2.8, mB4.5, ML2.5, Mw(mb)3.7, Northern Colombia

IDC 05:20:41:20.4, 1.2, 51.97N:175.00E, h0km, mb3.7/10, mbimp3.7/12, ML2.3, MS2.8/1, Error ellipse: s-maj=25.2km s-min=19.1km az=10.0

ISC 05:20:41:26.2, 0.8, 52.02N:0.1:174.77E:0.06, h35km, n36, a=16/33, mb3.9/15, Near Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, h, s, ISC. Includes stations like SHEM Shemya Is, Al, SHEM Shemya Is, Al, SMY Shemya, etc.

Table with columns: Station Name, Time, Res, ISC. Includes stations like HFS Hagfors, BRTR Keskin Array B, ASAR Alice Springs.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like SLGB San Luis Gonzaga, SFX San Felipe, PPXB Puerto Peasico.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS.

SNET 05 20:49:49.4, 0.9, 13.05N:89.64W, h45km, 29km, ML2.9
CATAC 05 20:49:49.4, 0.8, 13.14N x 9.02W, h21km, 5km, M3.1,9

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like LALI Alcalda de L, JAYA Jayaque - finc, JAYA Jayaque - finc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like JAYA Jayaque - finc, PMON Piamonte, LOMA Loma Larga.

IDC 05 20:52:31.7, 7.2, 36.78N:142.58E, h0km, mb3.4/3,
mbtm3.3/4, ML2.2/1, Error ellipse: s-maj=135.7km

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like JFK Kawauchi, JFJK Fukuji, JMST Minamisomatomac.

Table with columns: Station Name, Time, Res, ISC. Includes stations like SONM Songoing Array, MKAR Makanchi Array, KURBB Kurchatov Arra.

IDC 05 20:55:03.2, 9.6, 4.69S:153.19E, h0km, mb3.5/3,
mbtm3.5/3, Error ellipse: s-maj=157.6km

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek.

ISN 05 20:56:55.2, 0.9, 32.90N:46.70E, h8km, 4km, ML2.9
TEH 05 20:56:55.2, 0.9, 32.93N:46.65E, h9km, 4.5km

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like IBDR Badra, IKFM Kifar-mosalman, IGLGI Gilan-e-Gharb.

IDC 05 21:01:39.2, 2.0, 2.78N:126.39E, h0km, mb3.2/4,
mbtm3.2/4, Error ellipse: s-maj=197.8km

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

NEIC 05 21:09:43.2, 2.0, 37.036N:0008-104.93W, 0.01,
h5km, 1km, ML2.0/10, Error ellipse: s-maj=2.9km

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like T25A Trinidad, SDDCO Great Sand Dun, RTBA Rita Blanca.

IDC 05 21:13:52.4, 3.0, 7.40N:93.36E, h0km, mb3.9/5,
mbtm3.9/5, Error ellipse: s-maj=149.9km

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like H08S3 Diego Garcia H, H08S2 Diego Garcia H, H08S1 Diego Garcia H.

IDC 05 21:18:19.1, 3.0, 33.41S:178.76W, h0km, mb3.7/2,
mbtm3.8/3, ML3.8/1, MS3.3/1, Error ellipse: s-maj=71.2km

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like URZ Urewera, URZ Urewera, DZM Mont Dzumac.

Table with columns: Station Name, Time, Res, ISC. Includes stations like FINES FINESS Array B, IDC 05 21:27:10.7.

IDC 05 21:27:10.7, 0.8, 15.464N:119.92E, h0km, mb3.7/12,
mbtm3.8/12, Error ellipse: s-maj=44.7km

NEIC 05 21:27:16.9, 1.2, 15.53N:0.10:119.82E:0.06, h35km, 1km,
mb4.4/22, Error ellipse: s-maj=17.2km

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TGy Tagayay City, MYLDM Lahad Datu, CMAR Chiang Mai Arr.

IDC 05 21:27:18.2, 0.5, 15.49N:0.08:119.83E:0.1, h53km, n38,
i103/41, mb4.2/22, Luzon

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PSA00 Pilbara Seismi, WBO Warramunga Arr, WRA Warramunga Arr.

IDC 05 21:39:22.0, 2.0, 2.78N:126.39E, h0km, mb3.2/4,
mbtm3.2/4, Error ellipse: s-maj=197.8km

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 05 21:49:49.4, 0.9, 13.05N:89.64W, h45km, 29km, ML2.9
CATAC 05 20:49:49.4, 0.8, 13.14N x 9.02W, h21km, 5km, M3.1,9

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like BURAR Buocovina Arr, BUR08 Buocovina Arr, BUR08 Buocovina Arr.

IDC 05 21:30:02.6, 2.0, 80.8S:178.01W, h486km, 24km, mb3.2/6,
mbtm4.1/7, Error ellipse: s-maj=32.7km

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like MSVF Nonsavu, STKA Stephens Creek, ASAR Alice Springs.

IDC 05 21:34:15.9, 3.3, 24.57S:177.91W, h0km, mb3.8/3,
mbtm3.8/3, MS2.3/1, Error ellipse: s-maj=195.4km

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like KRVT Keravat, STKA Stephens Creek, ASAR Alice Springs.

Table with columns: ID, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other details for stations like NORSTAR Subarray 42.94 353 PKP, etc.

IDC 05 21:37:39.9.7.9.1.26N.100.76W, h0km, mb3.6/5, mblmp3.6/5, MS3.5/2, Error ellipse: s-maj=197.9km s-min=141.7km az=102.0, Galapagos Triple Junction region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other details for stations like JTS Las Juntas de, TXAR Lajitas Array, etc.

IDC 05 21:41:06.2.1.1.0.1.34N.100.42W, h0km, mb3.6/4, mblmp3.6/4, Error ellipse: s-maj=419.9km s-min=146.2km az=103.0, Galapagos Triple Junction region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other details for stations like TXAR Lajitas Array, PDAR Pinedale Array, etc.

NEIC 05 21:43:41.7.2.0.3709N.0.02.104.88W, h0km, mb3.2km, ML1.5/8, Error ellipse: s-maj=3.4km s-min=2.8km az=174.0, Colorado

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other details for stations like T25A Trinidad, SDCO Great Sand Dun, etc.

IDC 05 22:07:40.6.1.3.2.66N.95.59E, h0km, mb4.2/12, mblmp4.2/14, ML3.9/2, MS3.4/6, Error ellipse: s-maj=41.1km s-min=17.3km az=50.0

NEIC 05 22:07:42.9.1.0.2.65N.0.06.95.67E, h0km, mb4.1km, mb4.4/26, Error ellipse: s-maj=17.0km s-min=8.6km az=246.0

DJA 05 22:07:43.9.0.9.3.1.3N.3.9.6E, h20km, mb4.5/14, mb5.4/2, mb4.7/6, MLV4.5/14, Mw(mb)4.8/2

ISC 05 22:07:44.9.0.6.2.65N.0.06.95.64E, h25km, n87, r1514/81, mb4.4/35, MS3.6/5, 1C-2D, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other details for stations like MLSI Meulaboh, GSI Gunungsitoli, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other details for stations like SHL, KMI, PZH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other details for stations like mB5.0/3, mB4.2/6, mLV4.3/9, Mw(mb)4.3/3, etc.

OSPL 05 22:32:58.5.1.6.19.64N.69.74W, h0km, mb4.0/8km, ML2.8 SDD 05 22:32:58.0.1.8.19.61N.69.75W, h22km, 12km, MD3.4, ML2.7, MW3.1

ISC 05 22:32:55.4.1.3.19.71N.0.05.69.64W, h0.03, h21km, mb3.9km, n18, r186/31, 15C-3D, Dominican Republic region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other details for stations like CADR Cabrera, SMDR Samana, etc.

IDC 05 22:46:06.8.1.6.51.26N.0.06.177.77W, h0km, mb3.7/15, mblmp3.8/17, ML3.7/2, MS2.9/6, Error ellipse: s-maj=29.4km s-min=15.7km az=175.0

mb4.0/41, ML4.0(AEIC), Error ellipse: s-maj=10.0km s-min=5.8km az=193.0 AEIC 05 22:46:07.5:1.8, 51.1:36N,0:06:177.74W,0:07:h39km,6km, Error ellipse: s-maj=9.0km s-min=5.9km az=191.0 ISC 05 22:46:07.5:1.4, 51.4N,0:01:177.82W,0:04:h51km,9km, n103, r1901/99, mb3.9/31, MS2.9/4, Andreadon Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Tanaga Flats, Tanaga South, Kanaga Island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Paradox Valley, Radium Mtn., Paradox Valley, etc.

IDC 05 23:14:23.6:1.3, 175N, 127.19E, h0km, mb4.2/5, mbmp4.2/6, ML4.0/1, MS2.5/1, Error ellipse: s-maj=101.6km s-min=17.3km az=68.0 DJA 05 23:14:36.8:1.1, 2N,3x12'7E, h17km, 11km, M4.4/2, mb4.8/2, mb4.6/3, MLV4.2/12, Mw(MB)4.1/2 NEIC 05 23:14:37.2:0.5, 17N,0:1:127.5E,0:1, h115km, 7km, mb4.2/12, Error ellipse: s-maj=18.1km s-min=14.1km az=70.0

ISC 05 23:14:38.0:0.9, 169N, 0:09:127.42E, 0:09, h128km, n34, r131/314, mb4.2/11, Halmahera

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

IDC 05 23:59:48.9:0.5, 1.41N, 126.12E, h0km, mb4.3/21, mbmp4.3/22, ML4.6/1, MS3.2/19, Error ellipse: s-maj=34.7km s-min=11.8km az=76.0 DJA 05 23:59:55.7:0.2, 1N,2x12'6E, h10km, M4.6/21, mb4.8/21, mb5.1/8, MLV4.6/18, Mw(MB)4.5/8 NEIC 05 23:59:57.1:2.2, 1.44N, 0:08:126.41E, 0:06, h50km, 7km, mb4.7/71, Error ellipse: s-maj=12.0km s-min=8.0km

ISC 05 23:59:56.0:0.3, 1.44N, 0:04:126.38E, 0:06, h47km, n151, r150/143, mb4.7/58, MS3.2/18, Northern Molucca Sea

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DAV Sao City (W), MPSI Mapaga, PCI, etc.

6d 2h

Table with columns: LBZ, MA2, BKZ, RTZ, ARSB, ZALV, GAR, BTK, KURBB, KURK, BVAR, BRVK, TIXI, NRK, NRK, NRK, AB31, ABKAR, LVA, ARTI, RAYN, VAND, L16K, K17K, E18K, H18K, J18K, G19K, D19K, H19K, E19K, GEVA, D20K, F20K, K20K, B20K, K20K, SUA, E22K, E22K, K20K, D23K, COLD, KLU, D25K, BMAR, C27K, L27K, BCAR, D27M, MMAI, I28M, BRTR, QSPA, QSPA, ARCES, SPITS, FINES, FINES, MLR, HG4B, BUR08, BUR08, SEMO

Table with columns: QJEMZ, UDBS, UDBS, UDBS, LOMA, LOMA, LOMA, UES, UES, UES, AEIL, PICO, ITCA, ITCA, BOQS, PMON, PMON, LFRS, LFRS, KVAR, CEDA, LALI, LALI, LALI, LALI, PAVA, PAVA, PAVA, JAYA, JAYA, JAYA, COEG, COEG, UESV, UESV, TECO, TECO, CEVE, SCLA, SCLA, SCLA, PAVA, PAVA, PAVA, SLOZ, SLOZ, SLOZ, ALJI, MTO3, MTO3, PACA, PACA, ESQI, ESQI, RANC, RANC, CNCH, CNCH, CSNG, CSNG, TGUH, TGUH, CSNG, CSNG

TXNET 06 00:07:23.31,2M:0.8:103:5W:0.8,h5km,ML1.8/10, Error ellipse: s-maj=1.3km s-min=1.0km az=43.9, final, Western Texas

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

IDC 06 00:14:36.9:6.4,23:775:179:61W,h460km,63km,mb3.5/7, mbmp4.4/8, Error ellipse: s-maj=21.6km s-min=20.1km az=53.0

NEIC 06 00:14:41.9:1.4,23:82S:0.07:179:8W:0.2,h512km,11km, mb4.3/17, Error ellipse: s-maj=22.8km s-min=9.0km az=102.0

ISC 06 00:14:41.2:0.6,23:91S:0.08:179:99W:0.10,h500km, n41,-1845/43,mb4.1/4, South of Fiji Islands

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

Table with columns: ASAR, ASAR, ASAR, WRR8, WRR8, WBO, WBO, WRA, WRA, FORT, MTN, MTN, KNRA, KNRA, TOL2, TOL2, GSPA, GSPA, PETK, PETK, USRK, USRK, CMAR, CMAR, MKAR, MKAR, KURBB, KURBB, BVAR, BVAR, ARCES, ARCES, FINES, FINES, HFS, HFS, AKAS, AKAS, BRTR, BRTR, MMAI, MMAI, EKA, EKA

IDC 06 01:30:08.1,9.6:19S:129:37E,h0km,mb3.6/2, mbmp3.9/4,ML4.1/2, Error ellipse: s-maj=120.4km s-min=29.7km az=69.0, Banda Sea

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

ASAR Alice Springs 42.05 261 P P 00 21 49.5 +0.6

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

TEH 06 01:58:51.5,34:22N:45:60E,h11km,144km, ISN 06 01:58:53.1,2,34:21N:45:56E,h26km,55km,ML2.7, ISC 06 01:58:51.9,0.4,34:23N:0.05:45:60E:0.04,h10km,n8,

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

NNC 06 02:00:06.0:3.8,36:73N:70:65E,h154km,90km,mb2.9, mpv3.6-2C-5D, Error ellipse: s-maj=36.0km s-min=26.7km az=9.0, Hindu Kush region

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

ISK 06 02:03:41.9,37:02N:31:17E,h91km,1km,ML2.7/32, IDC 06 02:03:41.9,3:36,36:94N:31:32E,h98km,31km,mb3.4/3, mbmp3.6/4, Error ellipse: s-maj=43.3km s-min=12.4km az=81.0

AFAD 06 02:03:43.0,37:12N:31:12E,h85km,6km,ML2.7, ISC 06 02:03:42.9,37:04N:0.03:31:20E:0.02,h97km,5km, n72,-1918/107,mb3.5/3,Turkey

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

CATAC 06 00:03:19.7:0.2,14°N1'x89:2W:0.8,h5km,M3.6/23, MLV3.6/23, Error ellipse: s-maj=2.6km s-min=1.5km az=17.3, confirmed

SNET 06 00:03:19.1:1.0,13:67N:89:19W,h6km,ML3.6, ISC 06 00:03:19.0:9,13:59N:0:02:89:19W:0.02,h7km,3km, n72,-0551/79,1C,-1D,El Salvador

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

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like AUGUSTINE CONE, MOUNTAIN KING, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like JENNINGS RIVER, BANANA CREEK, etc.

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like STKA Stephens Creek, HTT Hallett, and various ARPS and ARMS stations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like TNA Tin City, BELG Belogomoye, M11K Mekoryuk, and various K13K and F15K stations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CHNA Chernabura Isl, KBZ Khabaz, M16K Khabaz, and various K17K, D19K, and R18K stations.

6d 2h

Table with columns: P32M, Atlin, 81.54 30, IAMS_20, IAMS_20, 03 36 28.0, etc. Lists various stations and their performance metrics.

2019 MAY

Table with columns: V35K, Ketchikan, 84.28 33 P, P, 03 01 103.0 +0.8, etc. Lists various stations and their performance metrics.

254

Table with columns: PRU, comp=Z,700nm,21.4s, 86.06 322 eP, AMS, AMS, 03 01 19.4 +0.9, etc. Lists various stations and their performance metrics.

Table with columns: Call Sign, Frequency, Mode, Power, Status, and other technical details for stations in the 255 MHz range.

Table with columns: Call Sign, Frequency, Mode, Power, Status, and other technical details for stations in the 2019 MAY range.

Table with columns: Call Sign, Frequency, Mode, Power, Status, and other technical details for stations in the 6d 2h range.

IOC 06 02:50:22.8u, 1.4, 2.1, 185x170.46E, h0km, mb4. 1/5, mbmp4. 1/5, MS3. 1/1, Error ellipse: s-maj=155.0km s-min=26.9km az=79.0

ISC 06 02:50:28.2u, 1.0, 21.2S, 0.2x170.2E, 0.3, h35km, m12, e1919/11, mb4.2S, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, and other technical details for stations in the 6d 2h range.

RSNC 06 02:53:12.7u, 0.0, 7N, 1.7x73W, h148km, 2km, M2.5, mb3.1, mb5.7, ML2.3, Mw(mb)5.2, Northern Colombia

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, and other technical details for stations in the 6d 2h range.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TAMC, OCAC, ZARC, NORCA, etc.

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

DJA 06 03:14:33.2, 0.6, 1'N, 2.12'E, h150km, 7km, M4.1/8, mb5.2/1, MLV3.6/8, Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TMTI, SGGSI, SANI, etc.

CATAC 06 03:22:04.7, 0.7, 12'N, 4.8'W, h28km, 4km, M2.4/12, MLV2.4/12, Error ellipse: s-maj=8.9km s-min=3.4km az=32.3, confirmed, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CSGN, CSJN, POTN, etc.

IDC 06 02:58:12.3, 1.2, 9.34S, 122.69E, h0km, mb3.8/4, mbtmp3.7/6, ML3.6/2, Error ellipse: s-maj=10.1, 1km s-min=24.0km az=64.0

NEIC 06 02:58:20.1, 1.6, 9.83S, 0.02, 122.5E, 0.1, h35km, 2km, mb4.2/6, Error ellipse: s-maj=16.8km s-min=3.0km az=82.0

DJA 06 02:58:23.0, 0.3, 10.5, 4.12'E, h57km, 15km, M4.1/11, mb5.0/1, mb4.3/5, MLV4.0/11, Mw(mb)4.3/1, MwMwp5.2/1, Mwps 4/1

ISC 06 02:58:19.6, 0.7, 9.83S, 0.05, 122.62E, 0.06, h35km, n35, az=209/37, mb3.9/4, Savu Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MMRI, SOEI, WSI, etc.

IDC 06 03:26:48.6, 1.0, 7.49, 0.08S, 121.77E, h0km, mb4.3/8, mbtmp4.2/9, ML3.3/1, MS3.9/14, Error ellipse: s-maj=37.5km s-min=15.6km az=100.0

NEIC 06 03:26:47.6, 2.6, 49.1S, 0.1, 121.3E, 0.2, h10km, 1km, mb4.9/25, Error ellipse: s-maj=20.2km s-min=17.4km az=98.0

GCMT 06 03:26:48.6, 1.0, 7.49, 0.08S, 121.77E, h18km, 1km, MW4.9/84, Moment Tensor Solution, s22, c25; s84, c128; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=0.62E+13; Mw=1.09E+11; Mw0=1.70E+15; Mw-0.96E+27; Mw0-2.72E+08; Mw0-3.8E+26; Best double couple: M3.22800x10^16 Np1.3x14.00000, 0.71.00000, -1.3.00000; NP2; q=105.00000, s87.00000, -1.161.00000; Principal axes: T 3.52800, Plg1 1.00000, Azm 237.000; N 0.59000; Plg7.00000; Azm1 13.00000; P -2.92800, Plg16.00000; Azm331.00000; nstai refers to body waves, cutoff=40s. nstaz refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 06 03:26:47.8, 0.4, 49.13S, 0.07, 121.52E, 0.10, h13km, n97, az=152/75, mb4.8/21, MS3.9/14, 1C-2D, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H01W1, H01W2, H01W3, etc.

IDC 06 03:43:03.5, 0.7, 30.34N, 140.06E, h0km, mb3.7/12, mbtmp3.7/17, ML3.3/5, MS3.6/10, Error ellipse: s-maj=23.6km s-min=15.6km az=81.0

ISC 06 03:43:08.9, 0.6, 30.39N, 0.06, 140.10E, 0.1, h35km, n34, az=160/23, mb3.8/13, MS3.5/4, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, WB2, WR8, AS31, ASAR, MKAR, Vnda, KURBB, QSPA, TORD, CPUP, etc.

IDC 06 03:02:15.6, 1.3, 18.68N, 121.140E, h0km, mb3.6/6, mbtmp3.6/5, ML4.3/1, Error ellipse: s-maj=54.7km s-min=21.2km az=63.0, Luzon

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CMAR, SONM, WRA, MKAR, ASAR, KURBB, WRR, WBO, FITZ, MLZ, Vnda, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like QRZ, MRZ, BFZ, COEN, BKZ, URZ, QSPA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SYO, LEM, DZM, SPSI, PMGI, ELIB, etc.

ISC 06 03:43:03.5, 0.7, 30.34N, 140.06E, h0km, mb3.7/12, mbtmp3.7/17, ML3.3/5, MS3.6/10, Error ellipse: s-maj=23.6km s-min=15.6km az=81.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SYO, LEM, DZM, SPSI, PMGI, ELIB, etc.

ISC 06 03:43:08.9, 0.6, 30.39N, 0.06, 140.10E, 0.1, h35km, n34, az=160/23, mb3.8/13, MS3.5/4, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SYO, LEM, DZM, SPSI, PMGI, ELIB, etc.

IDC 06 03:43:03.5, 0.7, 30.34N, 140.06E, h0km, mb3.7/12, mbtmp3.7/17, ML3.3/5, MS3.6/10, Error ellipse: s-maj=23.6km s-min=15.6km az=81.0

ISC 06 03:43:08.9, 0.6, 30.39N, 0.06, 140.10E, 0.1, h35km, n34, az=160/23, mb3.8/13, MS3.5/4, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HHC, GTA, WMQ, TOR, etc.

IDC 06 03:43:03.5, 0.7, 30.34N, 140.06E, h0km, mb3.7/12, mbtmp3.7/17, ML3.3/5, MS3.6/10, Error ellipse: s-maj=23.6km s-min=15.6km az=81.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JHJ, JHU, JCH, etc.

Table with 4 columns: Call Sign, Name, Frequency, and other parameters. Includes stations like TGY Tagaytay City, PETK Petropavlovsk, H1N12 WAKE ISLAND, etc.

NEIC 06 03:43:58.2.1.1, 18:4N:02:67.90W:0.04, h116km, 7km, ML2.4/14, Md2.7/R(ASPR), Error ellipse: s-maj=28.1km

RSPR 06 03:44:00.0.18:35N:67.89W, h110km, SMD.7/4 SDD 06 03:44:11.0.0.7, 18:75N:67.42W, h89km, 12km, MD2.6, ML2.0, MW2.5

ISC 06 03:43:57.7.2.7, 18:5N:02:67.90W:0.06, h123km, 18km, n26, c1925/31, P, C, MOnaPassage

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes CDR Punta Cana, DR, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes MPR Maguyes Islan, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes AOPR Arecibo Observ, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes UUPR Utuado, UPR, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes OBIP Obispado Ponce, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes CELP Cerrillos, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes ECPR Experimental S, etc.

IDC 06 03:56:40.2.1.1, 4:13N, 126:59E, h0km, mb3.9/8, mbmp3.9/8, MS2.9/1, Error ellipse: s-maj=87.7km

DJA 06 03:56:45.9.0.8, 4:16N:127:7E, h24km, 3km, M4.3/12, mB4.8/3, mb4.4/8, MLV4.4/12, mw(mB)4.1/3

NEIC 06 03:56:45.7.2.5, 4.04N:0.07x126:77E:0.06, h3km, 8km, mb4.4/11, Error ellipse: s-maj=12.2km s-min=6.1km az=139.0

ISC 06 03:56:46.20.0.7, 4:10N:0.07x126:73E:0.09, h45km, n35, c1936/34, mb4.3/15, Talaud Islands

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes SGSI Sangihe, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes LUWI Luwuk, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes MPSP Mapaga, MYLDM Lahad Datu, MTN Manton Dam, etc.

BGR 06 03:56:49.9, 19:76S:170:99E, h226km, BUI 06 03:56:50.2, 18:83S:169:89E, h224km, mB4.7/5, mb4.5/29

GCMT 06 03:56:50.9.0.4, 19:25S:169:89E, h224km, MW5.0/64, Moment Tensor Solution, s17c19; s64c87;

MOS 06 03:56:50.1.0.9, 19:24S:169:42E, h225km, mb5.0/20 Error ellipse: s-maj=10.4km s-min=10.0km az=164.7

NOU 06 03:56:50.7, 19:20S:169:40E, h213km, mb5.0/47 Vanuatu Islands

IDC 06 03:56:51.4.0.9, 19:29S:169:37E, h224km, 7km, mb4.5/19, mbmp5.1/22, Error ellipse: s-maj=11.1km s-min=8.2km az=146.0

ISC 06 03:56:50.5.0.5, 19:25S:0.04:169:43E:0.05, h220km, 4km, n767, c190/636, mb5.0/235, 38C-15D, Vanuatu Islands

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes INH Isangel, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes MARNC Mare, Loyalty, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes VLAKA Lakatoro, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes DZM Mont Dzumac, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes DZM Mont Dzumac, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes OUEUC Ouen Toro, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes OTKZ Black Stump Fm, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes HNR Honiara, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes ARMA Armidale, etc.

Table with 6 columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res. Includes ARMA Armidale, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes KHZ Kahutara, PMG Port Moresby, PMP Port Moresby, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes BBDO Buckleboe, BBOO Buckleboe, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes WRB Warramunga Arr, WBO Warramunga Arr, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes WRAB Tennant Creek, WRB Tennant Creek, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes WB1 Warramunga Ar, WRA Warramunga Ar, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes WRA Warramunga Arr, WRR Warramunga Arr, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes WRA Warramunga Arr, WRR Warramunga Arr, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes GENI Geniem, AS01 Alice Springs, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes ASAR Alice Springs, ASAR Alice Springs, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes KDU Kakadu, MTN Manton Dam, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes MTN Manton Dam, DRB Darwin Rock St, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes WRAK Warakuru, WRKA Warakuru, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes KRNA Kunurra, KRNA Kunurra, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes FORT Forrest, FORT Forrest, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes FITZ Fitzroy Crossi, SWI Sorong, etc.

Table with 6 columns: Call Sign, Name, Frequency, and other parameters. Includes NLAJ Namlea, SOEI Soe, etc.

6d 3h

2019 MAY

Table with columns: Station Name, Elevation, Azimuth, Distance, Status, Date, Time, and other details. Includes stations like KAPI, KAPU, SPSI, etc.

Table with columns: Station Name, Elevation, Azimuth, Distance, Status, Date, Time, and other details. Includes stations like Q18K, KADAK, KADAK, etc.

Table with columns: Station Name, Elevation, Azimuth, Distance, Status, Date, Time, and other details. Includes stations like KNK, KNK, H17K, etc.

Table with columns for station ID, name, elevation, distance, direction, and time. Includes stations like SNA, TAN, LOGN, etc.

Table with columns for station ID, name, elevation, distance, direction, and time. Includes stations like F21K, J25K, H51G, etc.

Table with columns for station ID, name, elevation, distance, direction, and time. Includes stations like J29N, WUAZ, EVN, etc.

Table with 5 columns: KOLS, MODS, Kolonické sedl, Modra-Piesok, 107.08 319 ePN, 110.44 319 ePN, Pdif, Pdif, 04 21 54.2 +0.7, 04 22 15.2 +6.8

IDC 06 04:13:04.4,5,2,6,79N,72,86W, h157km,41km, mb2.9/3, mbtmp3.5/4, Error ellipse: s-maj=95.0km s-min=-41.3km az=79.0

RSNC 06 04:13:05.0,0,7,7N,1,7,3W, h149km,2km, M3.4, MTR 06 04:13:05.0,0,3,49,12N,0,0,05,155,22E,0,0,15, h55km, n523, 0169/461, mb4.5/143, MS3.4/18, 3C-2D, Kuril Islands

ISC 06 04:13:04.7,0,8,63N,10,0,3,73,10W,0,0,04, h151km,6km, n45, 01938/85, mb3.2/3, Northern Colombia

Main table for the left column containing station codes (BARC, PAMC, BRJC, etc.), station names, coordinates, and various data points.

Main table for the middle column containing station codes (PAU, KOTR, KOTR, etc.), station names, coordinates, and various data points.

Main table for the right column containing station codes (RUSJ, YSS, YSS, etc.), station names, coordinates, and various data points.

2019 MAY

6d 5h

Table listing various meteorological stations and their observations. Includes columns for station ID, name, and various data points like time, phase, and residuals. Example: YKAW3 Yellowknife Wh 48.15 38 P P 04 47 06.1 +0.1

Table listing various meteorological stations and their observations. Includes columns for station ID, name, and various data points like time, phase, and residuals. Example: PV02 Paradox Valley 65.80 59 Iamb Iamb 04 49 33.2

Table listing various meteorological stations and their observations. Includes columns for station ID, name, and various data points like time, phase, and residuals. Example: KAHG Katmai Hook Gl 3.50 318 Pn 05 09 21.1 +2.4

NEIC 06 05:08:26.2; 4.1, 56.04N; 0.08; 150.3W; 0.1, h10km, 2km, ML3, 6/22 ML3.5(AEIC). Error ellipse: s-maj=15.7km s-min=10.9km az=132.0
AEIC 06 05:08:28.6; 2.0, 55.86N; 0.10; 150.0W; 0.2, h12km, 9km, Error ellipse: s-maj=17.6km s-min=10.8km az=134.0
ISC 06 05:08:24.2; 2.1, 6.5596N; 0.08; 150:13W; 0.06, h10km, n105, r1910/111, Gulf of Alaska

OSPL 06 05:09:37.2; 0.4, 18.02N; 71.64W, h30km, 3km, ML2.0
SDD 06 05:09:38.5; 1.8, 17.98N; 71.44W, h31km, 10km, MD2.4, ML2.0, MW2.6
ISC 06 05:09:37.6; 1.1, 17.96N; 0.05; 71.52W; 0.05, h28km, 7km, n9, r1941/18, 11C-1D, Dominican Republic region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LOVI, PODR, JIDR, SDDR, ABDR, REDR, HATOM.

ASRS 06 05:10:52.0.1.3.53.99N.86.57E. h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06 05:10:52.7.3.2.54.01N.86.72E. h0km, mbtmp3.5/2, ML2.6/2, Error ellipse: s-maj=26.4km s-min=15.6km az=60.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR.

NEIC 06 05:12:08.5.1.5.51.71N.0.08.166.92W.0.09, h10km, 2km, mb3.6/29, ML3.3/12, ML3.0(AEIC), Error ellipse: s-maj=13.0km s-min=9.5km az=163.0

AEIC 06 05:12:13.3.2.1.51.84N.0.09.167.06W.0.09, h11km, 7km, Error ellipse: s-maj=13.5km s-min=7.6km az=168.0

ISC 06 05:12:08.7.1.4.51.88N.0.1.166.93W.0.08, h10km, n51, 0.852/54, South of Aleutian Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIKH, OKSP, OKTU, UNV, MTBL, AKUT, ATKA, SDPT, ADK, KIWB, R16K, O1BK, H1BK, SUA, K20K, BPAW, KLU, RND, M24K, PAX.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CCB, HDA, IL31, M26K, RIDG, CTGM, DOT, H24K, M27K, SCRK, O28M, J26R, O29M, I26K, B21K, TOLK, I28M, G27K, C23K, M31M, I30M, C27K, G31M, INK, AB31, ABKAR.

NEIC 06 05:13:13.7.1.7.35.48N.0.06.140.87E.0.10, h35km, 1km, mb4.4/14, Error ellipse: s-maj=13.7km s-min=9.5km az=102.0

NIED 06 05:13:26.5.38.92N.141.94E, h51km, MW3.9, Moment Tensor Solution. s41 Moment: Scale 10^14Nm; Mn:4.72; Mxx:0.45; Myy:4.27; Mzz:1.59; Mxy:1.57; Mxz:4.47; Fault plane solution: Mo:6.73000x10^14 NP1: 0.200000, 0.230000, 0.900000. NP2: 0.200000, 0.870000, 0.900000.

JMA 06 05:13:26.5.0.1.36.93N.0.3.141.9E.0.6, h51km, MD3.8/40, MW3.8/40, KINKAZAN REGION

JMA 06 05:13:28.0.1.2.38.88N.141.99E, h72km, 8km, mb3.8/12, mbtmp4.0/17, MS2.9/6, Error ellipse: s-maj=20.5km s-min=16.7km az=103.0

ISC 06 05:13:25.1.0.7.38.87N.0.05.142.06E.0.07, h50km, 4km, n60, 0.106/55, mb4.3/20, MS3.5/3, 15D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OFUJ, JKMT, JMK, JIO, JOM, JOFO, JOU, JRG, JYK, JMM, JMM, JANG, MJAR, MJAR, ASAJ, ASAJ, ASAJ, JHJ, JHJ, USRK, KSRS, KLR, SEY, SONM.

H112 WAKE ISLAND Hy 28.71 125 T T 05 49 41.7

H11N1 WAKE ISLAND Hy 28.72 125 T T 05 49 46.8

H11N3 WAKE ISLAND Hy 28.73 125 T T 05 49 46.8

H11S1 WAKE ISLAND Hy 29.49 126 T T 05 50 38.1

H11S3 WAKE ISLAND Hy 29.49 127 T T 05 50 43.2

H11S2 WAKE ISLAND Hy 29.50 127 T T 05 50 36.2

BILL Bilbinee 32.12 17 P P 05 20 08.1 +21

C16K Lysburne Hills 40.84 27 P sP 05 21 19.8 -0.3

ZAAO Zalesovo Array 41.08 311 P P 05 21 04.4 +0.8

ZALV Zalesovo Beam 41.08 311 P P 05 21 03.8 +0.2

ZALV Zalesovo Beam 41.08 311 P P 05 21 04.1 +0.5

ZALV comp=2.2, 1.1nm, 0.4s, baz=98, slow=7.8, SNR=2.3

F19K Shalericik Mo 43.31 30 P sP 05 21 39.1 -1.4

MK31 Makanchi Array 43.60 301 P Iamb Iamb 05 21 24.4 +0.2

MKAR Makanchi Array 43.60 301 P P 05 21 23.4 -0.9

MKAR comp=2.3, 1.1nm, 0.7s, baz=86, slow=10.0, SNR=2.7

P18K Big Mountain, 43.94 41 P pP 05 21 41.2 +1.4

M20K Styx River 44.94 37 P pP 05 21 49.1 +1.1

KURK Kurchatov 45.22 307 P Iamb Iamb 05 21 37.6 +0.5

KURBB Kurchatov Arr 45.29 307 P P 05 21 37.7 0.0

ILAR Eielson Array 47.68 33 P P 05 21 56.4 +0.3

BVAR Borovoye Array 49.73 311 P P 05 22 12.1 0.0

BVAR comp=2.0, 1.1nm, 0.4s, baz=57, slow=5.3, SNR=2.6

CTGM Chitina Glacier 50.67 38 P pP 05 22 33.5 +0.9

KK31 Karatay Array 52.66 299 P P 05 22 31.0 -3.2

KKAR Karatay Array 52.66 299 P P 05 22 31.0 -3.2

O30N Mendhenal 53.21 37 P pP 05 22 51.3 -0.2

ARTI Arti 55.44 318 P P 05 22 53.9 -0.3

AB31 Akbulak array 57.16 309 P Iamb Iamb 05 23 07.1 +0.5

ABKAR Akbulak array 57.16 309 P Iamb Iamb 05 23 07.1 +0.5

AKTO Aktyubinsk 57.84 311 P P 05 23 11.1 -0.3

WRA Warramunga Arr 58.95 188 P P 05 23 20.0 +0.6

YKA Yellowknife Arr 61.97 31 P P 05 23 39.7 +0.3

ASRS 06 05:14:34.0.0.1.0.54.03N.86.54E. h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

NINC 06 05:14:35.3.2.3.54.18N.86.62E. h0km, mb2.9, mpv2.8, Error ellipse: s-maj=20.5km s-min=11.7km az=9.0, Suspected mining explosion.

IDC 06 05:14:36.3.2.5.54.01N.86.63E. h0km, mbtmp3.2/2, ML3.0/2, Error ellipse: s-maj=20.9km s-min=12.9km az=62.0

ISC 06 05:14:35.5.4.2.54.1N.0.2.86.6E.0.2, h0km, n8, 0.183/43, 11, SC-40, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZAAO, ZAAO, ZALV, KURK, KURK, KURBB, KURBB, MK31, MK31, MKAR, MKAR.

IDC 06 05:31:29.5.2.3.18.08S.178.13W. h597km, 21km, mb2.8/4, mbtmp3.8/5, Error ellipse: s-maj=41.0km s-min=29.9km az=142.0, Fijii Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSVF, WRA, ASAR, GSPA, ILAR, BRTR.

ASRS 06 05:35:31.0.1.0.54.09N.86.47E. h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06 05:35:32.3.2.54.01N.86.64E. h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=25.9km s-min=15.1km az=60.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR, MKAR.

ASRS 06 05:59:35.0.1.0.54.09N.86.47E. h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06 05:59:38.7.2.6.54.14N.86.36E. h0km, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=20.7km s-min=13.4km az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR, MKAR.

GCMT 06 06:00:34.0.0.3.71.40S.0.01.94.62W.0.02, h13km, 1km, MW4.9/107, Moment Tensor Solution. s24, c25; M0:0.345; Duration: 0 Moment tensor: Scale 10^16Nm; Mn:1.011; Mxx:0.12; Myy:0.47; Mzz:1.0; Mxy:0.08; Mxz:0.0; Mxy:2.62; Mxz:0.45; Best double couple: M2.67900x10^16 NP1: 0.930000, 0.800000, 0.17700000. NP2: 0.300000, 0.870000, 0.100000. Principal axes: T: 2.8380, P: 5.0000, N: -0.3170, P: 9.0000, Azim: 167.0000; P: -2.5210, P: 9.0000, Azim: 318.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface wave location Triangular moment-rate function

IDC 06 06:00:22.9.14.0.38.28S.94.69W. h0km, mb3.7/4, mbtmp3.7/4, MS4.0/16, Error ellipse: s-maj=382.5km s-min=49.4km az=2.0, West Chile Rise

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H03S2, H03S1, H03S3, H03N2, H03N3, H03N1, USHA.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, and other parameters for various radio stations.

SJA 06:06:32.34.9.0.8, 30.67S:71.48W, h26km, 2km, ML3.3, MW3.5

GUC 06:06:32.36.1.0.8, 30.71S:71.39W, h54km, 1km, ML3.6

ISC 06:06:32.37.0.1.2, 30.72S:71.44W, 0.03, h32km, 2km, n63, s197/116, 7C-8D, Near coast of central Chile

Main table of radio stations with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, and other parameters.

MT08 Bocatomo Ro 2.98 156 eP Pn 06 33 25.0 +2.8

MT08 Bocatomo Ro 2.98 156 eS Sb 06 34 02.3 -3.3

MT08 Bocatomo Ro 2.98 156 eP Sbn 06 33 20.6 -1.6

MT08 Bocatomo Ro 2.98 156 eS IAML 06 34 02.5 -3.0

MT15 Las Vizcachas 2.98 165 eP Pn 06 33 23.0 +0.9

MT15 Las Vizcachas 2.98 165 eS Sb 06 33 59.0 +2.2

MT15 Las Vizcachas 2.98 165 eS IAML 06 34 14.8

ARCO CERRO ARCO 3.01 135 eP Pn 06 33 26.0 +3.4

ARCO CERRO ARCO 3.01 135 eS Sb 06 34 03.6 -2.9

MT09 Talagante 3.08 173 eP Pn 06 33 24.0 +0.5

MT09 Talagante 3.08 173 eS Sb 06 34 11.0 +0.9

MT12 Pirique 3.10 166 eP Pn 06 33 24.7 +0.9

MT12 Pirique 3.10 166 eS Sb 06 34 01.1 +1.5

MT01 Popeta 3.14 177 eP Pn 06 33 24.2 -0.1

MT01 Popeta 3.14 177 eS Sb 06 34 00.9 +0.3

MT01 Popeta 3.14 177 eP Pn 06 33 24.2 -0.1

MT01 Popeta 3.14 177 eS Sb 06 34 00.3 +2.6

GO03 Copiapo 3.29 19 eP Pn 06 33 27.3 +0.9

GO03 Copiapo 3.29 19 eS Sb 06 34 17.1

GO03 Copiapo 3.29 19 eS Sb 06 34 06.0 +1.7

LMEL Las Melosas 3.29 162 eP Pn 06 33 28.0 +1.5

LMEL Las Melosas 3.29 162 eS Sb 06 34 08.4 +3.7

LMEL Las Melosas 3.29 162 eP Pn 06 34 10.6

BO04 La Punta 3.34 168 eP Pn 06 33 27.5 +0.5

BO04 La Punta 3.34 168 eS Sb 06 34 05.5 +0.9

BO04 La Punta 3.34 168 eS Sb 06 34 24.0

AVFE Valle Fertil 3.44 90 eP Pn 06 33 29.5 +1.1

AVFE Valle Fertil 3.44 90 eS Sb 06 34 16.6 -2.0

AVFE Valle Fertil 3.44 90 eS Sb 06 34 16.6 -2.0

AVFE Valle Fertil 3.44 90 eS Sb 06 34 16.6 -2.0

VCA Vincha 3.44 56 eP Pn 06 33 32.2 +3.7

VCA Vincha 3.44 56 eS Sb 06 34 23.9 +5.1

BO01 Tunca 3.68 175 eS Sb 06 34 18.7 +4.8

BO01 Tunca 3.68 175 eS Sb 06 34 26.9

BO01 Tunca 3.68 175 eS Sb 06 34 26.9

ACL CERRRO LA CRUZ 4.10 73 eP Pn 06 33 39.3 +1.7

BO02 Sierra Bellavi 4.10 172 eP Pn 06 33 38.2 +0.7

BO02 Sierra Bellavi 4.10 172 eS Sb 06 33 27.4 +3.0

BO02 Sierra Bellavi 4.10 172 eS Sb 06 34 31.4

ACHF Chepes 4.13 97 eP Pn 06 33 38.2 +0.2

AC02 Marcungu 4.37 28 eS Sb 06 34 33.3 +1.7

AC02 Marcungu 4.37 28 eS Sb 06 34 53.2

IDC 06:06:40:08.3.9.55,64N:86.06E, h0km, mbtmp2.5/2, ML2.3/2, Error ellipse: s-maj=33.8km s-min=29.9km

az=75.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, and other parameters.

NOU 06:07:00:31.6, 39.46S:179.73W, h0km, MLv3.8/11, East of North Island, N.Z.

WEL 06:07:00:33.4, 0.7, 39.5S:5.18W, h33km, M3.4/19, ML3.7/22, ML v3.4/19, Error ellipse: s-maj=6.7km s-min=5.1km az=37.4, confirmed

ISC 06:07:00:30.3.2.1, 39.32S:0.06E:179.6W, 0.1, h10km, n71, s139/90, East of North Island

Main table of radio stations with columns: Code, Station Name, Azimuth, Elevation, Frequency, Polarization, and other parameters.

NEIC 06:07:02:14.4, 2.0, 19.93N:0.08E:68.40W, 0.06, h35km, 2km, ML2.7/10, LK2.7/4(RSPR), Error ellipse: s-maj=14.3km s-min=10.0km az=357.0

SDD 06:07:02:19.3, 2.0, 18.64N:68.74W, h147km, 15km, MD3.3, ML2.6, MW3.0

RSPR 06:07:02:17.8, 19.57N:68.50W, h91km, 11km, MD2.7/4, 10C-3D, Near Atlantic Ocean

6d 7h

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, ISC. Includes entries for URZ Urewera, NVAR Mina Array Bea, PDAR Pinedale Array.

NEIC 06 07:40:53.0±1.4, 61.36N±0.03±152.20W±0.07, h136km, 6km, Error ellipse: s-maj=6.1km s-min=0.6km az=129.0

AEIC 06 07:40:54.6±0.8, 61.34N±0.04±152.15W±0.07, h127km, 5km, ML2.6, ML3.0/215 (NEIC), Error ellipse: s-maj=5.7km s-min=4.5km az=149.0, Southern Alaska

Main table of station data for the 6d 7h period, listing station codes, names, coordinates, and operational status.

2019 MAY

Main table of station data for the 2019 MAY period, listing station codes, names, coordinates, and operational status.

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Table of station data for the 268 period, listing station codes, names, coordinates, and operational status.

IDC 06 07:41:53.7±2.0, 7.07S±130.44E, h0km, mb3.7/2, mbmtip3.5/5, ML3.5/3, MS3.0/1, Error ellipse: s-maj=37.0km s-min=26.4km az=79.0, Tanimbar Islands region

Table of station data for the IDC 06 07:41:53.7±2.0 period, listing station codes, names, coordinates, and operational status.

ISN 06 07:42:15.6±0.7, 34.36N±45.78E, h6km±4km, ML3.3

TEH 06 07:42:17.3±3.4, 38N±45.79E, h11km±11km

DSN 06 07:42:27.9±0.9, 33.23N±46.20E, h10km, Error ellipse: s-maj=12.4km s-min=6.4km az=13.0

ISC 06 07:42:17.0±0.8, 34.35N±45.78E±0.03, h10km, n37, ±172/41, Iran-Iraq border region

Table of station data for the ISC 06 07:42:17.0±0.8 period, listing station codes, names, coordinates, and operational status.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAFI, HGHA, AAGB, ISHB, etc.

ASRS 06:07:45:14.0:1.4,53.65N:86.86E,h0km,M2.4,The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06:07:45:12.7:3.0,53.71N:87.00E,h0km,mbtmp2.5/2,ML2.1/2,Error ellipse: s-maj=28.0km s-min=16.8km az=69.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR.

NOU 06:07:47:06.5:41.12S:175.82E,h29km,MLv3.2/11,North Island, New Zealand

WEL 06:07:47:07.3:0.3,41.1S:177.6E,h24km,2km,M3.2/19,ML3.6/19,MLv3.2/19,Error ellipse: s-maj=3.0km s-min=2.2km az=137.4, confirmed

ISC 06:07:47:07.8:0.9,40.36S:175.64E,0.102,h31km,5km,n88,-0.87/109,North Island

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations including WRCS, WRCSS, HOWZ, MTW, etc.

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

IDC 06:07:50:08.3:3.8,54.13N:87.50E,h0km,mbtmp2.5/2,ML2.2/2,Error ellipse: s-maj=33.6km s-min=20.0km az=43.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR.

IDC 06:07:55:05.8:3.2,53.64N:87.33E,h0km,mbtmp2.5/2,ML2.3/2,Error ellipse: s-maj=30.0km s-min=17.6km az=67.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR.

ASRS 06:07:59:51.0:1.0,54.13N:86.46E,h0km,M2.3,The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06:07:59:54.0:2.8,54.08N:86.44E,h0km,mbtmp2.7/2,ML2.4/2,Error ellipse: s-maj=21.6km s-min=13.2km az=65.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR.

GUC 06:08:03:13.8:0.6,20.92S:68.06W,h179km,5km,ML3.5 SCB 06:08:03:13.4:1.2,20.87S:67.89W,h146km,17km,ML3.3/3,MW2.9,Error ellipse: s-maj=6.1km s-min=5.3km az=0.0

ISC 06:08:03:11.7:2.0,20.92S:67.94W,0.05,h175km,18km,n20,-0.89/32,1-C-2D,Southern Bolivia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like PB08, PB09, PB01, etc.

NEIC 06:08:03:29.9:1.6,23.5S:0.2:179.7W,0.1,h581km,19km,mb4.2/14,Error ellipse: s-maj=30.8km s-min=10.3km az=20.0

IDC 06:08:03:31.0:10.0,24.07S:179.94E,h550km,90km,mb3.1/4,mbtmp4.1/5,Error ellipse: s-maj=117.8km s-min=28.7km az=43.0

ISC 06:08:03:27.9:0.9,23.7S:0.1:179.7W,0.1,h550km,n25,-0.137/25,mb4.0/12,South of Fiji Islands

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

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STKA, STKA, COEN, BBOO, etc.

ASAR Alice Springs 42.31 260 P P 08 10 31.8 -2.2 ASAR Alice Springs 42.31 260 P P 08 10 34.8 +0.3

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WR8, WR8, WR8, WRA, etc.

ASRS 06:08:05:02.0:0.7,54.26N:86.90E,h0km,M2.5,The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06:08:05:02.7:3.2,54.34N:86.95E,h0km,mbtmp2.7/2,ML2.6/2,Error ellipse: s-maj=26.9km s-min=17.6km az=60.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR.

ASRS 06:08:09:39.0:0.9,54.34N:86.76E,h0km,M2.3,The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06:08:10:28.8:3.6,53.51N:87.89E,h0km,mbtmp2.7/2,ML2.4/2,Error ellipse: s-maj=34.7km s-min=18.6km az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR.

TXNET 06:08:13:54.7,31.2N:0.7:103.3W,0.5,h5km,1km,ML1.7/8,Error ellipse: s-maj=1.1km s-min=0.8km az=166.5,final,Western Texas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like TPB04, TPB04, TPB16, etc.

DJA 06:08:16:29:0.5,2.3N:97.7E,h10km,M3.9,mb4.1/1,MLv3.7/9,Off west coast of northern Sumatra

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

BUI 06:08:20:13.8,5.99S:102.19E,h30km,mb5.4/9,mb5.5/84,Ms5.2/84,Ms7.5/180

IDC 06:08:20:16.0:6.0,5.27S:102.09E,h0km,mb5.1/33,mbtmp5.1/35,ML4.5/2,MS4.6/51,Error ellipse: s-maj=15.9km s-min=8.3km az=54.0

DJA 06:08:20:17.8:0.8,5.2S:102.2E,h14km,6km,MS,1/96,mb5.4/96,mb5.6/55,MLv5.6/25,Mw(mb)5.1/55,Mw/Mwp5.2/19,Mwp5.2/19

MOS 06:08:20:19.9:1.0,5.16S:102.20E,h31km,mb5.5/72,Error ellipse: s-maj=7.7km s-min=4.1km az=110.7

NEIC 06:08:20:22.3,5.60S:101.62E,h30km,Moment Tensor Solution: Duration: 1.8 Moment tensor: Scl=0.019Nm; Mr=3.68; M0=3.44; Mpp=0.24; Mo=1.61; M0p=2.47; Mer=1.85;

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res, Code. Includes stations like KOLS, PABE, SUW, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res, Code. Includes stations like PNTR, DLMT, NVAR, etc.

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

6d 10h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASP1, CADU, OFFI, MMO1, MMDAR, PP3, MC2, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MNTP, SAP2, MNTT, GUMA, MF5, etc.

ASRS 06 09:11:45.0±0.8, 53.77N:91.10E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06 09:11:52.0±3.8, 53.44N:90.99E, h0km, mbtmp2.9/3, ML2.5/3, Error ellipse: s-maj=30.8km s-min=24.2km az=66.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, etc.

IDC 06 09:14:14.8±1.6, 54.69N:83.77E, h0km, mbtmp2.9/3, ML2.3/3, Error ellipse: s-maj=15.1km s-min=10.1km az=9.0, Southeastern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, etc.

2019 MAY

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

ASRS 06 09:14:47.0±0.8, 54.05N:86.54E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06 09:14:51.2±2.6, 54.03N:86.44E, h0km, mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=22.8km s-min=13.7km az=58.0, Southeastern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, MKAR, etc.

NOU 06 09:25:24.2, 16.52S:167.78E, h4km, MLv4.1/13, Vanuatu Islands, Vanuatu Islands

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

IDC 06 09:29:55.2±1.1, 9.52N:126.09E, h0km, mb3.8/10, mbtmp3.8/10, MS3.3/4, Error ellipse: s-maj=159.5km s-min=16.8km az=68.0

ISC 06 09:30:03.8±1.0, 9.5N:10.4:126.1E:10, h67km, n14, c054/11, mb3.8/10, Mindanao

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

ASAR Alice Springs 33.81 167 P 0 09 36 40.1 +0.3

SOMN Songino Array 41.69 340 P 0 09 37 45.9 -0.2

STKA Stephens Creek 43.72 161 P 0 09 38 02.9 +0.3

MKAR Makanchi Array 52.53 323 P 0 09 39 10.5 +0.1

ZALV Zalesovo Beam 55.22 332 P 0 09 39 29.6 -0.2

KURBB Kurchatov Arra 56.61 326 P 0 09 39 39.8 0.0

ARCES ARCES Array B 84.86 340 P 0 09 42 31.6 +0.7

FINES FINES Array B 86.49 332 P 0 09 42 39.1 0.0

BBB Bella Bella 92.12 36 LR 10 20 21.5

HFS Hagfors 92.65 332 P 0 09 43 07.7 -0.5

PLCA Paso Flores 145.56 157 PKPbc PKPab 0 49 35.8 +0.4

ASRS 06 09:30:14.0±1.3, 53.61N:87.95E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06 09:30:17.2±3.2, 53.59N:87.97E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=25.7km s-min=18.2km az=57.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, MKAR, etc.

ASRS 06 09:50:02.0±0.8, 54.11N:87.22E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06 09:50:23.0±3.1, 54.10N:87.21E, h0km, mbtmp2.8/2, ML2.3/1, Error ellipse: s-maj=26.1km s-min=19.0km az=57.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, MKAR, etc.

ASRS 06 09:58:58.0±1.4, 54.19N:87.13E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 06 09:59:01.0±3.1, 54.24N:87.35E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=24.4km s-min=17.2km az=60.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, etc.

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

STR 06 10:08:10.7±1.7, 45°N:6°E, h0km, MLv1.0/6, Error ellipse: s-maj=0.0km s-min=0.0km az=100.5, preliminary, France

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

IDC 06 10:10:59.3±2.1, 30.20S:178.96E, h536km, mb3.1/6, mbtmp4.1/8, Error ellipse: s-maj=28.0km s-min=20.1km az=43.0

WEL 06 10:11:05.4±0.7, 31°S:7°18'W, h520km, 11km, M3.7/32, mB4.4/32, ML4.7/2, MLv4.9/24, Mw(mB)3.5/32, Error ellipse: s-maj=24.4km s-min=5.3km az=107.2

ISC 06 10:10:59.4±0.8, 30.15S:178.96E, h536km, nB4, c2516/98, mb3.6/6, Kermadec Islands region

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

URZ Urewera 7.99 192 P 0 12 57.4 +0.6

URZ Urewera 7.99 192 P 0 12 57.4 +0.6

MWZ Matawai 7.99 190 P 0 14 32.1 -1.1

OMRZ Omania 8.00 196 P 0 13 01.3 +4.3

TKGZ Te Karaka 8.06 188 P 0 12 59.2 +1.7

TKGZ Mount Tarawera 8.09 195 P 0 13 14.4 +3.5

RAGZ Rawiri 8.17 190 P 0 13 00.6 +1.9

RRRZ Republica Ra 8.19 195 P 0 13 02.4 +3.5

MUGZ Murupara 8.27 194 P 0 13 00.9 +1.3

RIGZ Rimuhau 8.33 188 P 0 13 01.6 +1.3

RIGZ Ruatuhuna 8.36 192 P 0 13 01.9 +1.3

RTZ Tolley Road 8.44 200 P 0 13 05.5 +4.2

ALRZ Allien Road 8.44 196 P 0 13 03.7 +2.1

SNGZ Shannon Station 8.46 190 P 0 13 01.9 +1.9

PRGZ Paritu Road 8.53 187 P 0 13 05.7 +3.4

MTHZ Maungataniwha 8.62 193 P 0 13 05.0 +1.9

RAHZ Aarahi 8.63 191 P 0 13 05.2 +1.9

KNZ Kohuhu 8.65 188 P 0 13 05.3 +1.9

MRHZ Matea Rd 8.68 195 P 0 14 17.1 -3.6

MRHZ Wairara 8.73 196 P 0 13 07.7 +3.4

MAGZ Mahia Peninsula 8.76 197 P 0 13 10.0 +2.2

HIZ Hauti 8.82 203 P 0 13 10.5 +5.4

RATZ Rangitukia 8.87 198 P 0 13 08.3 +2.6

ARHZ Aroapanui 8.99 191 P 0 13 09.0 +2.2

BKZ Block Stump Fm 8.99 194 P 0 13 07.2 +0.3

KAZZ Kakaramea 8.99 197 P 0 13 08.9 +1.6

NTVZ North Tongariri 9.12 198 P 0 13 10.2 +1.9

ETVZ East Tongariri 9.14 198 P 0 13 10.2 +1.7

WTVZ West Tongariri 9.15 198 P 0 13 10.3 +1.7

CATAC 06 10:24:17.4±0.5, 13°N, 2°9'0W, h12km, 2km, M2.9/16, MLv2.9/16, Error ellipse: s-maj=5.4km s-min=3.4km az=92.2, confirmed, El Salvador

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

SOME 06 10:25:30.5, 44°67'N, 82°00'E, h15km NNC 06 10:25:32.0±1.5, 44°71'N, 81°88'E, h0km, mb3.7, mpv3.5, Error ellipse: s-maj=14.7km s-min=7.0km az=129.0, Suspected Mining explosion.

ISC 06 10:25:30.6±1.8, 44°61'N, 0°08'81.9E±0.1, h0km, n13, r120/17, 2C-10, Northern Xinjiang

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

WEL 06 10:33:20.9±1.0, 32°S, 10°17'9E±2.4, h444km, 16km, ML4.1/7, mb4.0/3, ML2.1/0, MLV4.2/7, Mw(MB)3.0/3, Error ellipse: s-maj=31.8km s-min=11.7km az=102.0, confirmed, South of Kermadec Islands

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

KHZ Kahutara 11.18 202 P P 10 35 52.4 +1.8

IDC 06 10:42:10.9±1.5, 33°59'N, 141°80'E, h0km, mb3.4/4, mbtmp3.6/7, ML3.8/2, MS2.8/3, Error ellipse: s-maj=30.0km s-min=17.8km az=69.0

JMA 06 10:42:15.7±0.5, 33°7'N, 0°18'14.2'E±, h35km, MV3.3/26, E OFF HACHIOJIMA ISLAND

ISC 06 10:42:13.5±0.9, 33°33'N, 0°05'141.93E±0.08, h34km, n20, r152/24, mb3.6/4, MS2.9/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like BSO1, BSO2, BSO3, etc.

IDC 06 10:45:11.4±1.3, 63°89'N, 25°42'E, h0km, mbtmp2.7/2, ML1.8/2, Error ellipse: s-maj=38.7km s-min=10.1km az=86.0, Finland

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like FINES, ARCES, I37NO, etc.

IDC 06 10:50:39.8±1.8, 29°03'N, 56°89'E, h0km, mb3.6/5, mbtmp3.6/6, ML4.5/1, Error ellipse: s-maj=47.4km s-min=29.0km az=3.0

TEH 06 10:50:53.9, 29°48'N, 56°69'E, h100km OMAN 06 10:50:57.5±1.1, 29°19'N, 56°39'E, h20km, mb4.0/15, mb3.9/14, Error ellipse: s-maj=10.2km s-min=8.1km

DSN 06 10:50:58.3±2.3, 29°10'N, 56°07'E, h10km, ML3.5/12, Error ellipse: s-maj=27.8km s-min=12.4km az=47.0

ISC 06 10:50:52.9±0.7, 29°46'N, 0°04'56.70E±0.04, h100km, n94, r195/117, mb3.3/5, Southern Iran

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

ASHO SNR=6.9 4.79 187 i P Pn 10 52 05.3 +2.4

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

Table with columns: JNU, Station Name, Time, Res, and other details. Includes entries like Nakatsue, USSRYSK Ar., USRKR, etc.

IDC 06 11:14:01.9.3.4, 1791S:178.36W, h524km, 21km, mb3.5/4, mbtmp4.3/5, Error ellipse: s-maj=85.9km, s-min=29.0km az=26.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes entries like MSVF Nonsavu, STKA Stephens Creek, WRA Warramunga Arr, etc.

IDC 06 11:22:16.4.0.5, 28.61S:176.71W, h0km, mb4.3/18, mbtmp4.3/19, ML4.6/1, MS4.1/36, Error ellipse: s-maj=18.3km s-min=16.3km az=130.0, NEIC 06 11:22:25.6.1.0, 29.09S:0.09W, 177.60W, h10km, 1km, mbz=182.0, Error ellipse: s-maj=14.8km s-min=9.7km az=182.0

NOU 06 11:22:27.1, 30.03S:175.80W, h14km, mb4.5/15, Kermadec Islands Region, ISC 06 11:22:21.9.0.4, 28.89S:0.06E, 176.52W, 0.07, h36km, 0.8m, 0.5s, baz=59, slow=3.5, SNR=12

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes entries like GLKZ Green Lake, RIZ Raoul Island, MXZ Matakaopa Point, etc.

Table with columns: PMG, Station Name, Time, Res, and other details. Includes entries like Port Moresby, TAOE Nuku Hiva Isla, COEN COEN, etc.

Table with columns: MFID, Name, Az, El, AzE, AzM, AzS, Res, Time, Res, ISC. Includes stations like Camas Ranch, Albuquerque, ANMO, ENH, PLID, etc.

TXNET 06 12:04:02.7,31.6N;0.6:104.3W;0.7,h6km,2km,ML2.3/8, 2C-1D, Error ellipse: s-maj=1.1km s-min=0.8km az=58.9, final, Western Texas

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time, Res, ISC. Includes stations like TPB11, PECS, TPB12, etc.

NEIC 06 12:16:48.3;1.7,9.84N;0.08:126.5E;0.1,h35km,2km, mb4.5/25, Error ellipse: s-maj=21.3km s-min=14.0km az=85.0

IDC 06 12:16:56.9;2.0,9.60N;126.36E,h125km,19km,mb3.7/19, mbtmp4.1/21,MS3.3/7, Error ellipse: s-maj=25.0km s-min=12.0km az=71.0

ISC 06 12:16:54.3;0.5,9.69N;0.05:126.5E;0.1,h100km,n73, @105/63,mb4.2/32,Mindanao

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time, Res, ISC. Includes stations like DAV, DAVAO, etc.

Table with columns: DAV, Name, Az, El, AzE, AzM, AzS, Res, Time, Res, ISC. Includes stations like DAVAO City (W), TNTI, LUWI, etc.

IDC 06 12:18:02.8;10.0,9.78N;126.27E,h114km,103km, mb3.7/14,mbtmp4.0/14,MS3.4/1, Error ellipse: s-maj=36.7km s-min=18.9km az=60.0

ISC 06 12:18:01.4;0.4,9.80N;0.1:126.3E;0.2,h100km,m22, @069/15,mb4.0/14,1C,Mindanao

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

Table with columns: WRA, Name, Az, El, AzE, AzM, AzS, Res, Time, Res, ISC. Includes stations like WARRAMUNGA ARR, ASAR, H11S3, etc.

LDG 06 12:21:14.4;0.1,44.62N;6.99E,h6km,Md2 0/3,ML2.3/7, Error ellipse: s-maj=1.4km s-min=0.9km az=57.0

GEN 06 12:21:14.4;0.1,44.61N;6.98E,h5km,1km,ML1.5 ROM 06 12:21:14.4;0.1,44.601N;0.004:6.986E;0.008, h1km,ML1.5/23, Error ellipse: s-maj=0.7km s-min=0.2km az=233.0

STR 06 12:21:14.4;0.2,45.1N;1.1E,h9km,4km,MLV2.1/27, Error ellipse: s-maj=0.0km s-min=0.4km az=50.6,preliminary, France

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time, Res, ISC. Includes stations like PZZ, STROppo, PZZ, etc.

6d 13h

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

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

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

2019 MAY

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB05, PB06, PB09, etc.

NOU 06 12:35:45.5, 31.87S: 177.15W, h360km, Mlv4.8/9, Keradec Islands Region

WEL 06 12:36:14.8, 0.5, 33.5S: 18.0E: 1.2, h12km, M4.5/13, mb5.1/7, M4.5/15, M4.5/13, Mw(mb)4.5/7, Error ellipse: s-maj=17.1km s-min=4.0km az=109.9, confirmed

ISC 06 12:36:11.4, 1.8, 33.3S: 0.1x180.0E: 0.2, h350km, n28, e244/37, South of Keradec Islands

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

IDD 06 12:42:56.0, 1.3, 57.10S: 25.15W, h0km, mb4.0/5, mbmp4.0/6, ML3.9/1, MS3.8/1, Error ellipse: s-maj=53.8km s-min=21.1km az=58.0

ISC 06 12:42:59.3, 1.2, 57.10S: 25.25W: 0.3, h22km, n18, e059/14, mb3.9/5, SC, South Sandwich Islands region

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

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

ISC 06 12:43:52.3, 4.2, 34.08N: 45.51E, h29km, 63km, ML2.6

TEH 06 12:43:54.6, 34.109N: 45.52E, h16km, 49km

ISC 06 12:43:57.1, 4.3, 34.02N: 45.52E: 0.06, h35km, n7, e205/11, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GLG1, IGHG, etc.

DJA 06 12:48:04.7, 0.2, 7.2S: 9.13E: 1.1, h21km, 5km, M3.6/7, ML3.6/7, Near north coast of Irian Jaya

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

NEIC 06 13:07:01.9, 1.8, 17.3S: 0.2x172.36W: 0.09, h10km, 2km, mb4.5/7, Error ellipse: s-maj=30.0km s-min=13.4km

ISC 06 13:07:14.1, 2.8, 17.63S: 173.08W, h68km, 24km, mb3.6/12, mbmp3.9/14, MS3.6/5, Error ellipse: s-maj=23.3km s-min=14.0km az=140.0

ISC 06 13:07:04.9, 0.6, 17.8S: 0.1x172.56W: 0.08, h10km, n36, e189/33, mb4.1/14, MS3.6/4, Tonga Islands region

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

MRZ Mangataoina R 25.02 202 P Iamb Iamb 13 12 29.4 +0.3

TKNZ Takaka Hill 26.34 205 P P 13 12 42.1 +1.1

HNHR Horiaira 27.94 284 LR LR 13 12 22.5 +0.8

COEN Coen 42.67 268 P P 13 15 00.5 -1.7

STKA Stephens Creek 43.61 242 P P 13 15 08.9 -0.7

STKA Stephens Creek 43.61 242 P P 13 15 08.9 -0.7

BBOO Bebebe 48.37 242 P P 13 15 46.3 -0.9

WRAB Tennant Creek 50.12 259 P P 13 15 58.2 -2.5

WRA Warramunga Arr 50.13 259 P P 13 15 58.6 -2.2

WRA 50.13 259 P P 13 17 20.0 -0.4

AS31 Alice Springs 50.19 254 P P 13 15 58.2 -3.0

ASAR Alice Springs 50.19 254 P P 13 15 58.1 -3.1

ASAR Alice Springs 50.19 254 P P 13 15 58.9 -2.3

ASAR 50.19 254 P P 13 17 20.7 +0.2

ASAR 50.19 254 P P 13 23 04.9 -8.7

GUMO Guam 52.28 304 LR LR 13 37 17.0

VNDA Vanda 61.14 186 P P 13 17 20.2 +1.2

VNDA Vanda 61.14 186 P Iamb Iamb 13 17 34.0

VNDA Vanda 61.14 186 P P 13 17 22.0 +3.0

SHEM Shemya Is, Ala 71.13 351 LR LR 13 44 10.2

QSPA South Pole Qui 72.31 180 P P 13 18 32.8 +2.2

QSPA South Pole Qui 72.31 180 P Iamb Iamb 13 18 46.6

QSPA South Pole Qui 72.31 180 P P 13 18 32.2 +6.6

PETK Petrovlovsk 75.10 342 P P 13 18 47.9 +1.0

NVAR Mina Array Bea 75.54 41 P P 13 18 53.1 +3.0

TXAR Lajitas Array 81.26 56 P P 13 19 25.0 +3.3

PDAR Pinedale Array 83.48 41 P P 13 19 34.7 +1.5

ILAR Eielson Array 84.59 11 P P 13 19 39.1 +1.1

YKA Yellowknife Arr 91.92 23 P P 13 20 15.0 +1.8

BVAR Borovoye Array 120.21 321 P P PKIKP PKIKP 13 25 55.5 -0.6

ARCES ARCES Array B 127.03 352 P P PKIKP PKIKP 13 26 08.1 -1.1

BRTR Keskin Array B 148.46 319 P P PKPb PKPb 13 26 53.0 -2.6

GERES GERES Array B 148.57 352 P P PKPb PKPb 13 26 53.8 -1.8

NNC 06 13:22:15.1, 2.6, 50.00N: 78.78E, h0km, mb3.1, mpv2.6, Error ellipse: s-maj=66.4km s-min=10.7km az=70.0, Suspected Mining explosion.

ISC 06 13:22:16.8, 1.1, 50.03N: 78.71E, h0km, mb3.2, 5/2, ML2.0/2, Error ellipse: s-maj=13.9km s-min=6.3km az=67.0

ISC 06 13:22:11.2, 3.5, 50.07N: 0.05x78.0E: 0.3, h0km, n7, e1506/11, 6C, Eastern Kazakhstan

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

6d 14h

Table containing station information for the 6d 14h category, including codes like TNSS, TBI, TBI, and stations such as Tian-Shan, Tubuai, Matsushiro Arr, etc.

2019 MAY

Main table with station information for May 2019, including codes like PET, TBI, SPSI, WRA, etc. and stations like Petropavlovsk, Tubuai, Sidrap Palu, etc.

Table for IDC 06 13:35:22.6:1.7, 26:75S:177.49W, h0km, mb3.5/4, mbmtb3.5/4, Error ellipse: s-maj=53.9km s-min=37.5km az=176.0, South of Fiji Islands

Table for IDC 06 13:46:37.1:3.0, 19:81S:178.10W, h664km, mb2.7/4, mbmtb3.8/5, Error ellipse: s-maj=106.2km s-min=27.2km az=29.0, Fiji Islands region

Table for NEIC 06 13:37:12.0:1.8, 17:7S:0:2:172:67W:0:09, h10km, km4, mb4.5/6, Error ellipse: s-maj=30.4km s-min=7.1km

Table for IDC 06 13:47:28.3:4.6, 17:53S:173:20W, h128km, mb3.1/4, mbmtb3.9/11, MSK3.5/4, Error ellipse: s-maj=29.4km s-min=20.1km az=127.0

Table for IDC 06 13:47:12.8:0.6, 17:8S:0:1:172:71W:0:09, h10km, n28, 19:55/25, mb4.2/14, Tonga Islands region

Table for IDC 06 13:47:12.8:0.6, 17:8S:0:1:172:71W:0:09, h10km, n28, 19:55/25, mb4.2/14, Tonga Islands region

Table for IDC 06 13:47:12.8:0.6, 17:8S:0:1:172:71W:0:09, h10km, n28, 19:55/25, mb4.2/14, Tonga Islands region

Table for IDC 06 13:47:12.8:0.6, 17:8S:0:1:172:71W:0:09, h10km, n28, 19:55/25, mb4.2/14, Tonga Islands region

Table for IDC 06 13:47:12.8:0.6, 17:8S:0:1:172:71W:0:09, h10km, n28, 19:55/25, mb4.2/14, Tonga Islands region

Table for IDC 06 13:47:12.8:0.6, 17:8S:0:1:172:71W:0:09, h10km, n28, 19:55/25, mb4.2/14, Tonga Islands region

Table for IDC 06 13:47:12.8:0.6, 17:8S:0:1:172:71W:0:09, h10km, n28, 19:55/25, mb4.2/14, Tonga Islands region

Table for IDC 06 13:47:12.8:0.6, 17:8S:0:1:172:71W:0:09, h10km, n28, 19:55/25, mb4.2/14, Tonga Islands region

6d 14h

2019 MAY

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Chatham Island, Nakatsue, Matsuhiro Arr, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Nakonsritamara, BinXian, HongShan, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MA2, MA2, MA2, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other technical details. Includes stations like OHAK Old Harbor, OHAK Old Harbor, O17K Koliga Bris, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other technical details. Includes stations like TIXI Tikisi, TIXI Tikisi, RC01 Rabbit Creek, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other technical details. Includes stations like F22K John River, MESA MESA, HDA Harding Lake, etc.

6d 14h

2019 MAY

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes stations like C23K, SATY, ZHN, YUK6, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes stations like TKM2, RUBB, NIL, H29M, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes stations like MPK, IUG, BRLS, WAKR, etc.

6d 14h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Bokaro, Kohima, Diglipur, Jharsuguga, RAYAGADA, etc.

2019 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like XAN, KSH, WUS, WHN, WUQ, LYN, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like TORO, ILAR, RES, DBIC, FRB, SYO, etc.

Table with columns: Station Name, Code, Time, Res, etc. Includes stations like N18K, E19K, E19K, ASAR, WRA.

IDC 06 14:32:52.6-1.0, 56.96S; 05.05W, h0km, mb3.9/3, mbmp3.9/4, ML4.0/1, Error ellipse: s-maj=46.8km, s-min=24.2km az=75.0

NEIC 06 14:32:54.2-1.4, 57.0S; 0.2:25.1W; 0.2, h10km, 1km, mb4.3/6, Error ellipse: s-maj=33.1km s-min=18.3km az=20.0

IDC 06 14:32:55.8-0.7, 57.0S; 0.1:25.1W; 0.1, h22km, n20, c089/20, mb4.0/4, 5D, South Sandwich Islands region

Main table for the first section, listing station names, codes, times, and residuals for various stations like HOPE, VNA1, VNA3, etc.

IDC 06 14:46:56.5-0.9, 56.90S; 25.20W, h0km, mb4.3/5, mbmp4.4/6, ML4.5/1, Error ellipse: s-maj=39.1km s-min=18.8km az=65.0

NEIC 06 14:46:58.5-1.1, 57.0S; 0.1:25.1W; 0.2, h10km, 1km, mb4.8/19, Error ellipse: s-maj=21.0km s-min=15.8km az=52.0

IDC 06 14:46:60.0-0.7, 57.0S; 0.1:25.1W; 0.1, h22km, n34, c079/34, mb4.7/9, 5D, South Sandwich Islands region

Main table for the second section, listing station names, codes, times, and residuals for various stations like HOPE, VNA1, VNA3, etc.

NEIC 06 14:47:28.1-1.5, 54.58N; 0.10:55.9E; 0.1, h10km, 1km, mb4.9/43, Error ellipse: s-maj=18.2km s-min=15.0km az=120.0

BUJ 06 14:47:29.8, 14.60N; 55.90E, h10km, mB5.1/10, mb4.5/31, Ms4.5/21, Ms7.4/3/23

IDC 06 14:47:30.0-0.6, 14.56N; 55.76E, h0km, mb4.3/26, mbmp4.3/26, ML1.9/1, MS4.3/31, Error ellipse: s-maj=15.1km s-min=14.2km az=5.0

GCMT 06 14:47:33.1-0.2, 14.77N; 0.01:55.56E; 0.01, h12km, MW5.1/136, Moment Tensor Solution. s65,c88; s136,c235; Duration: 0 Moment tensor: Scale 10^16Nm; In=4.60e-08; Mw=4.61e-06; Mo=0.00e-08; Mn=2.86e-23; Mu=0.87e-06; Mv=1.44e-29; Best double couple.

M=5.66600x10^16 Np1.0; 117.00000°, δ33.00000°, λ-59.00000°. NP2.0; 262.00000°, δ62.00000°, λ-109.00000°. Principal axes: T 5.4640, P1g15.0000°, Azm5.0000°; N 0.4090, P1g16.0000°, Azm271.0000°; P -5.8670, P1g67.0000°, Azm136.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

OMAN 06 14:47:39.3-1.4, 15.30N; 55.64E, h6km, 15km, mb5.0/28, m4.4/6, ms4.3/7, Mwps5.2/19 Error ellipse: s-maj=15.1km s-min=5.8km az=179.0

IDC 06 14:47:32.3-0.4, 14.78N; 0.04:55.79E; 0.04, h10km, n257, c25.15/281, mb4.7/95, MS4.3/39, 12C-5D, Owen Fracture Zone region

Main table for the second section, listing station names, codes, times, and residuals for various stations like DMTO, RBK, ABTO, etc.

Main table for the third section, listing station names, codes, times, and residuals for various stations like HRA, KBL, KBL, LODK, KMB0, etc.

6d 14h

Table of astronomical observations for 6d 14h, listing station names (e.g., TNCH, BURAR, CHMO), coordinates, and various parameters like SNR and frequency.

2019 MAY

Table of astronomical observations for 2019 MAY, listing station names (e.g., WATA, SOTA, MOTA), coordinates, and various parameters like SNR and frequency.

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Table of astronomical observations for 290, listing station names (e.g., D19K, D25K, TALK), coordinates, and various parameters like SNR and frequency.

Table with columns: PBA, Port Blair, 0.95 214 Pn Pn, 14 53 38.0 +0.8, PDG, Podgorica, 0.84 306, eSg, Sn, 15 01 07.2 +0.2, KBZ, Khabaz, 30.89 342 P P, 15 11 16.8 +2.3

IDC 06 15:00:33.1±1.8, 3.10S, 12.20W, h0km, mb4.0/4, mbtmp4.0/4, MS4.0/3, Error ellipse: s-maj=125.6km s-min=30.6km az=109.0, North of Ascension Island

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase, ID, Time, Res, H10N2 ASCENSION HYDR 5.22 206 T T, 15 07 14.2

TIR 06 15:00:37.5, ±1.96N, 20.12E, h19km, Md2.9/8, Ml2.0/3, PDG 06 15:00:37.2, ±1.41, 30N, 20.15E, h9km, Ml2.2/1, Error ellipse: s-maj=0.2km s-min=0.2km az=0.0

BE0 06 15:00:38.9, 0.7, ±1.97N, 20.23E, h15km, Ml1, Ml1.5/5, IDC 06 15:00:37.5, ±1.2, 41.94N, 0.04, 20.17E, 0.03, h14km, gkm, n26, c096/44, 1C-2D, Albania

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase, ID, Time, Res, PUK, Puka, 0.23 296 P, 15 00 42.3 +0.3

Table with columns: PDG, Podgorica, 0.84 306, eSg, Sn, 15 01 07.2 +0.2, KBZ, Khabaz, 30.89 342 P P, 15 11 16.8 +2.3

IDC 06 15:04:54.6, 2.0, 14.42N, 55.74E, h0km, mb4.0/23, mbtmp4.0/3, MLI 1.3/1, MS4.2/61, Error ellipse: s-maj=17.1km s-min=16.0km az=15.0

NEIC 06 15:04:59.2, 1.4, 14.78N, 0.10, 55.6E, 0.1, h10km, 1km, mb4.7/21, Error ellipse: s-maj=20.1km s-min=14.9km az=118.0

GCMT 06 15:04:59.2, 0.2, 14.78N, 0.10, 55.54E, 0.01, h12km, MWS, 2/1931, Moment Tensor Solution, s60, c81, s131, c235, Duration: 0 Moment tensor: Scale 10^16Nm; Mn=5.10±0.09; Mw=5.09±0.08; Mo=0.01±0.10; Ms=3.10±0.28; Mw=1.1±0.07; Mw=2.90±0.36; Best double couple: Mo=6.82800±0.16 Np1=0.12200000, s86.00000, λ-49.00000, NP2=0.25500000, s64.00000, λ-116.00000, Principal axes: T 5.9750, Plg15.0000, Azm3.0000; N 1.3090, Plg23.0000, Azm267.0000; P -7.2810, Plg62.0000, Azm123.0000; nstla1 refers to body waves, cutoff=40s. nstla2 refers to surface waves, cutoff=50s. Triangular moment-rate function

OMAN 06 15:05:03.2, 0.1, 15.17N, 55.72E, h10km, mb4.4/4, m4.0/6, ms4.4/4, Mwps3.2/5, Error ellipse: s-maj=2.2km s-min=1.4km az=1.0

ISC 06 15:04:57.9, 0.5, 14.76N, 0.06, 55.72E, 0.05, h10km, n138, r167/115, mb4.4/45, MS4.3/62, Owen Fracture Zone

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase, ID, Time, Res, DMT0 DMT0 SNR=15 3.04 346 P P, 15 05 40.7 +1.0

Table with columns: BRTR Keskin Array B 58.87 309 P P, 15 03 06.6 -0.6, DMT0 DMT0 SNR=15 3.04 346 P P, 15 05 40.7 +1.0, ARTI Arti 41.60 2 LR, 15 33 34.6

6d 15h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TGy Tagaytay City, KAPI Kappo, HEH Heihe, etc.

NEIC 06 15:07:45.0-0.16:4S:0.4:174.2W:0.3, h160km, n29km, mb4.4/11, Error ellipse: s-maj=66.5km s-min=7.7km az=218.0

IDC 06 15:08:10.7-19.0, 17.02S:174.81W, h365km, 194km, mb3.4/6, mbtmp4.1/6, Error ellipse: s-maj=61.9km s-min=23.5km az=71.0

ISC 06 15:07:47.0-0.1, 16.8S:0.2:174.4W:0.1, h150km, n20, r1504.20, mb4.4/11, Tonga Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NIUE Niue, QRUZ Quartz Range, etc.

IDC 06 15:09:44.1-1.3, 14.35N:55.82E, h0km, mb3.5/6, mbtmp3.5/6, Error ellipse: s-maj=35.3km s-min=29.7km az=179.0

ISC 06 15:09:47.0-0.1, 13.14N:0.3:55.8E:0.2, h18km, n7, r0549/7, mb3.7/6, Owen Fracture Zone region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

2019 MAY

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

IDC 06 15:13:25.8-1.6, 14.43N:56.15E, h0km, mb3.6/6, mbtmp3.6/6, Error ellipse: s-maj=43.7km s-min=33.7km az=61.0, Owen Fracture Zone region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, ZALV Zalesovo Beam, etc.

IDC 06 15:14:02.9-1.0, 14.47N:55.67E, h0km, mb3.9/9, mbtmp3.9/9, Error ellipse: s-maj=29.9km s-min=22.6km az=15.0

NEIC 06 15:14:04.3-1.5, 14.5N:0.1:55.7E:0.1, h10km, 4km, mb4.3/8, Error ellipse: s-maj=21.2km s-min=15.7km az=164.0

ISC 06 15:14:05.3-0.9, 14.4N:0.2:55.7E:0.1, h22km, n24, r1549/21, mb4.1/12, Owen Fracture Zone region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAYN Ar Rayn, HRA Herat, AB31 Akbulak array, etc.

IDC 06 15:21:54.4-4.1, 5.23S:102.19E, h0km, mb3.5/6, mbtmp3.5/6, Error ellipse: s-maj=168.0km s-min=20.6km az=55.0

DJA 06 15:21:54.9-0.6, 5.3S:10.2E, h13km, 3km, M4.0/11, mb4.1/3, MLV4.0/11

ISC 06 15:21:57.0-1.2, 5.51S:0.08:101.95E:0.09, h29km, n28, r090/20, mb3.5/6, Southwest of Sumatra

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MNAI Manna, KSI Kapahiang, LWLI Liwa, etc.

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Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H04S2 CROZET ISLANDS, ZALV Zalesovo Beam, etc.

IDC 06 15:27:40.3-1.9, 5.81S:123.24E, h0km, mb2.9/2, mbtmp3.1/4, ML3.0/2, Error ellipse: s-maj=73.3km s-min=26.7km az=47.0

DJA 06 15:27:42.7-0.8, 6.5S:12.3E, h19km, 7km, M3.6/12, mb4.1/3, MLV3.4/12

ISC 06 15:27:42.1-1.0, 6.11S:0.05:123.00E:0.07, h10km, n15, r0587/19, Flores Sea

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BBSI Bau Bau, BSSI Bau Bau, Maumere, etc.

VAO 06 15:47:44.4-0.6, 22.74S:69.03W, h58km, 4km, mb4.8, NEIC 06 15:47:48.9-1.2, 22.86S:0.05:69.01W:0.07, h103km, 1km, mb4.6/12, Error ellipse: s-maj=10.0km s-min=7.2km az=97.0

IDC 06 15:47:49.6-0.4, 22.70S:68.85W, h113km, 3km, mb4.1/14, mbtmp4.5/18, MS3.3/1, Error ellipse: s-maj=15.2km s-min=10.6km az=62.0

GUC 06 15:47:49.1-0.8, 22.79S:69.15W, h114km, 5km, ML4.9

ISC 06 15:47:48.5-0.3, 22.80S:0.03:69.06W:0.04, h110km, 3km, n203, r1541/185, mb4.5/16, 10C-1D, Northern Chile

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB06 IPOC Station P, AF01 San Pedro de A, etc.

Table listing station details for Pedras Altas, including call signs like PLTB, frequencies, and coordinates.

Table listing station details for San Rafael Swe, including call signs like SRU, frequencies, and coordinates.

Table listing station details for KHZ, including call signs like BSWS, frequencies, and coordinates.

DJA 06:16:09:17.1:0.5:1'S2:12'3E: h10km4km, M37/18, mB56/1, mb3.8/5, MLV3/7.18, Mw(mB)5.1/1, Minahassa Peninsula, Sulawesi

MDD 06:11:10.4:0.6:27.74N:18.12W, h16km3km, mb_Lg3/7.32, Error ellipse: s-maj=6.4km s-min=3.5km az=37.0

ISC 06:11:07.3:1.2:27.77N:0:04:18.13W:0.06, h32km3km, az=159/80, 7C-2D, Canaria Islands region

NOU 06:16:00:40.7:42'93S:-175°75E, h0km, MLV3.7/8, Off E. Coast of S. Island, N.Z.

WEL 06:16:00:48.8:0.7:43'34S:-175°47'56E: h46km40km, M2.4/12, ML2.7/19, MLV2.4/12, Error ellipse: s-maj=7.0km s-min=3.0km az=142.7, confirmed

ISC 06:10:44.6:1.9:42'61S:0:06:175°49E:0.05, h13km10km, n61, c1574/88, Off east coast of South Island

6d 16h

2019 MAY

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like CPUN, CBOL, CADE, etc.

Table with columns: LBTB, LBTB, LBTB, etc. Lists stations like Lobatse, Sutherland, NPGW, etc.

Table with columns: MLR, MLR, MLR, etc. Lists stations like Muntele Rosu, Muntele Rosu, Muntele Rosu, etc.

MOS 06 16:11:27.6.1.1, 3.19S, 12:17W, h10km, mb5.0/29, Error ellipse: s-maj=14.4km s-min=6.9km az=57.5

IDC 06 16:11:28.1.0.5, 3.21S, 12:27W, h0km, mb4.4/24, mbmp4.4/25, ML3.2/1, MS3.8/52, Error ellipse: s-maj=21.2km s-min=11.6km az=118.0

NEIC 06 16:11:30.0.1.5, 3.35S, 0.1x12.1W, 0.1, h10km, 1km, mb5.0/78, Error ellipse: s-maj=20.1km s-min=15.7km az=138.0

GCMT 06 16:11:32.0.0.3, 3.25S, 0.03x12.23W, 0.02, h14km, 1km, MW4.9/95, Moment Tensor Solution, s22,c22; s95,c115; Duration: 0 Moment tensor; Scale 1016Nm; M1=2.62e+20; M2=0.52e+14; M3=0.50e+30; M4=0.24e+05; M5=0.25e+28; Best double couple; M2,2.445001016 NP1=176.000000; s41.000000; A=78.000000; NP2: 0.340,000000; s50.000000; A=1.00000000; Principal axes: T 2.1840, Plg4.000000; Azm77.000000; N 0.5190, Plg8.000000; Azm347.000000; P -2.7050, Plg81.000000; Azm196.000000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 06 16:11:29.4.0.3, 3.26S, 0.07x12.09W, 0.07, h10km, n294, 15662/11, mb4.9/112, MS3.9/55, 13C-18D, North of Ascension Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Lists stations like H10N2, H10N1, H10N3, etc.

Table with columns: LBTB, LBTB, LBTB, etc. Lists stations like Lobatse, Sutherland, NPGW, etc.

Table with columns: MLR, MLR, MLR, etc. Lists stations like Muntele Rosu, Muntele Rosu, Muntele Rosu, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like VNA3, BORG, USHA, SNA4, SNA5, VSU, TROLL, VORD, VSR, VORR, D62A, FINES, VRH, VRS, MO, ELIB, JTS, SYO, ICESG, BELG, WYNY, DELO, SFJD, KLMR, BELA, BUKO, O52A, ARCES, TKL, SUMG, DBG, ACSO, T50A, KIRV, KIRW, AKTO, DAG, Z47A, WVT, UPNV, ABKAR, MAW, ARTI, SPITS, FVM, LCAR, NEEM, CCM, MGMO, S39A, QSPA, EPLO, BRVK.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BVAR, ECSD, AAK, AAK, KSH, TARG, FFC, FFC, KURBB, KURBB, KURKB, KURBB, KURK, TXAR, TXAR, MK31, MKAR, MKAR, ANMO, NRIK, ZALV, PDAR, YKA, VYND, WMQ, RKT, ZEA, KLR, TAEO, TBI, PPT2, ASAR, ASAR, WRA, DZM, PRU 06 16:20:08.1, 50°21'N-19°06'E, OJC, OJC, STEB, MOC, MOC, LANS, LANS, LANS, NIE, KRLC, STHS, VYHS, VYHS, DPC, DPC, VRAC, VRAC, KECS, UPC, KHC, SJA 06 16:28:03.0, 50°21'N-19°06'E, Code, Station Name, Azimuth, Elevation, Mode, Power, Azimuth, Elevation, Mode, Time, Res.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MT03, MT12, MT12, MT04, BO04, BO04, BO04, MT03, MT13, MT08, MT08, CO03, CO03, CO03, CO03, AUP, RTLS, RTLS, ARCO, ARCO, AAGR, AAGR, G004, G004, G004, DOCA, ACCO, ACCO, RTLL, RTLL, ARDD, ARDD, AVFE, AVFE, AVFE, AVFE, AGUA, AGUA, AGUA, AGUA, ACHE, ACHE, VCA, VCA, VCA, VCA, APPL, APPL, G003, G003, AACL, AACL, AACL, AACL, AC02, AC02, AC02, AC02, CYA, CYA, CYA, CYA, AHML, AHML, DJA 06 16:32:07.4, 1.0, 2°N, 12°7'E, DJA 06 16:32:11.8, 2.3, 1°35'N, 126°59'E, IBC 06 16:32:06.5, 1.1, 2°N, 104°126'5E, Code, Station Name, Azimuth, Elevation, Mode, Power, Azimuth, Elevation, Mode, Time, Res.

Table with columns: RTZ, TOZ, SNGZ, PRGZ, ALRZ, WQZ, KNZ, RAHZ, MTHZ, MHGZ, WHHZ, MRHZ, NMHZ, ARHZ, BKZ, BKTZ, KATZ, OUZ, MCHZ, NVTZ, TMVZ, ETVZ, NNVZ, OTVZ, SNVZ, NGVZ, FWVZ, KAHZ, TRVZ, PXZ, BFZ, SNVZ, ORZ, KHZ. Includes station names, coordinates, and various codes.

IDC 06 16:54:28.9,1.1,2.27S,138.97E,h0km,mb3.6/4, mbmp3.6/5,ML3.7/1, Error ellipse: s-maj=26.2km s-min=21.8km az=38.0

DJA 06 16:54:32.5,0.5,2.2S,7.13E,h22km,3km,M3.8/7, mb4.2/1,ML4.3/2

ISC 06 16:54:31.4,1.6,2.26S,0.10,138.98E,0.05,h15km,11km, n12,c095/18,mb3.8/4,Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SMPi Sarmi, Genyem, Jayapura, etc.

IDC 06 17:02:13.3,0.8,14.81N,55.91E,h0km,mb3.7/12, mbmp3.7/12,MS3.2/8, Error ellipse: s-maj=23.4km s-min=20.5km az=135.0

ISC 06 17:02:14.8,0.8,14.72N,0.11,55.91E,0.1,h10km,n27, s129/15,mb3.9/12,MS3.0/8,Owen Fracture Zone region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WSAR Wadi Sarin, ATD Aita Tunnel, EIL Eilat, etc.

IDC 06 17:11:29.2,0.7,0.95S,137.77E,h0km,mb3.9/12, mbmp3.9/13,ML4.4/2,MS3.0/3, Error ellipse: s-maj=31.8km s-min=15.0km az=83.0

DJA 06 17:11:32.8,1.1,1.1S,5.13E,h28km,10km,M4.3/7, mb4.4/6,MLV4.2/1

ISC 06 17:11:33.1,0.7,0.99S,0.08,137.71E,0.04,h26km,n23,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SMPi Sarmi, BIaki Biak, Genyem, Jayapura, etc.

IDC 06 17:56:02.1,0.6,26.28N,129.48E,h0km,mb4.2/27, mbmp4.1/31,ML3.4/4,MS3.5/28, Error ellipse: s-maj=16.6km s-min=13.7km az=66.0

NEIC 06 17:56:03.9,1.6,26.25N,0.06,129.55E,0.05,h10km,1km, mb4.7/58, Error ellipse: s-maj=9.8km s-min=7.6km az=353.0

NIED 06 17:56:03.9,26.24N,129.56E,h45km,MW4.4, Moment Tensor Solution, es Moment tensor: Scale 10^19N, M=3.19, Ms=1.95, Mw=1.24, Mw1.56, Mw1.41, Mw1.89;

Fault plane solution: M=3.97000x10^15 NP1:phi=59.00000; delta2.00000, lambda=77.00000, NP2:phi=225.00000, delta4.00000, lambda=96.00000

MOS 06 17:56:03.9,1.0,26.29N,129.50E,h23km,mb4.5/34 Error ellipse: s-maj=10.9km s-min=6.0km az=102.1

JMA 06 17:56:03.9,0.1,26.22N,0.8,129.56E,0.5,h45km,MV4.0/22, NEAR OKINAWAJIMA ISLAND

ISC 06 17:56:02.7,1.4,26.27N,0.04,129.49E,0.03,h4km,8km, n309,s140/295,mb4.6/76,MS3.6/28,10C-9D, Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JYRO Yoronjima, JOW Kunigami, JOW Kunigami, etc.

IDC 06 17:56:02.7,1.4,26.27N,0.04,129.49E,0.03,h4km,8km, n309,s140/295,mb4.6/76,MS3.6/28,10C-9D, Ryukyu Islands

IDC 06 17:56:02.7,1.4,26.27N,0.04,129.49E,0.03,h4km,8km, n309,s140/295,mb4.6/76,MS3.6/28,10C-9D, Ryukyu Islands

IDC 06 17:56:02.7,1.4,26.27N,0.04,129.49E,0.03,h4km,8km, n309,s140/295,mb4.6/76,MS3.6/28,10C-9D, Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like USA0B Ussuriysk Arra, USA0B Ussuriysk Arra, USA0B Ussuriysk Arra, etc.

IDC 06 17:56:02.7,1.4,26.27N,0.04,129.49E,0.03,h4km,8km, n309,s140/295,mb4.6/76,MS3.6/28,10C-9D, Ryukyu Islands

IDC 06 17:56:02.7,1.4,26.27N,0.04,129.49E,0.03,h4km,8km, n309,s140/295,mb4.6/76,MS3.6/28,10C-9D, Ryukyu Islands

IDC 06 17:56:02.7,1.4,26.27N,0.04,129.49E,0.03,h4km,8km, n309,s140/295,mb4.6/76,MS3.6/28,10C-9D, Ryukyu Islands

Table with columns: BILL, BiliBino, 47.28, 18, eP, P, 18 04 37.1 +0.3, etc. Includes rows for AAK, NRK, ASAR, KKAR, BVAR, BRVK, SIMJ, TNA, M14K, H16K, D17K, ABKAR, SDPT, N15K, O15K, G17K, CHNA, S14K, ARTI, B18K, C18K, M16K, N16K, F18K, L17K, G18K, M17K, N17K, F19K, O17K, D19K, L18K, J18K, E19K, P17K, H19K, B20K, D20K, E20K, J19K, O18K, L19K, H20K, Q18K, C21K, B21K, J20K, K20K, E21K, E21K, L20K, G21K, F21K, B22K, M20K, H21K, H21K, D22K, D22K, F22K, I21K, CAST, E22K, E22K.

Table with columns: KDAK, Kodiak Island, 61.82, 36, P, 18 06 24.9 +2.3, etc. Includes rows for G22K, H22K, SKT, D23K, C23K, BPAW, COLD, G23K, G23K, SUA, TOLK, E23K, BRSE, H23K, H23K, D24K, D24K, C24K, KIRV, KIRV, KIRV, NE24K, NE24K, MCK, RND, RND, F24K, F24K, H24K, H24K, G24K, POKR, D25K, D25K, ILAR, ILAR, HDA, HDA, E25K, F25K, F25K, PRP, M24K, F26K, F26K, KLU, BELG, BELG, BELG, G26K, RIDG, EYAK, SCRK, SCRK, J26L, J26L, I26K, E27K, D27M, L26K, G27K, H27K, M26K, M26K, I27K, K27K, E28M, D28M, I28M, I28M, G29M, G29M, H29M, YUK3, YUK3, EPYK, F30M, L29M, M29M.

Table with columns: K29M, Barlow Dome, 68.05, 29, P, 18 07 03.8 +0.5, etc. Includes rows for I30M, PNL, INK, YUK6, G31M, F31M, M30M, H31M, HYT, N30M, P29M, P30M, O30M, A36M, KBZ, KBZ, KIV, KIV, KIV, SHA1, ARCES, OBN, OBN, OBN, N32M, C36M, C36M, P33M, WTLY, FINES, FINES, FINES, RAYN, RAYN, RAYN, RES, RES, AKASG, AKASG, AKASG, BR131, BR131, BR131, BRTR, BRTR, YKA, YKA, YKA, HFS, HFS, NOA, NOA, NOA, NOA, VVHS, VVHS, VVHS, VRAC, CLL, CLL, GERES, GERES, J08A, J08A, FFC, FFC, DAVOX, EKA, NVAR, PPT, PDAR, KMB0, KMB0.

6d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H03N2 Juan Fernandez, H03N3 Juan Fernandez, H03N1 Juan Fernandez.

NEIC 06 18:00:57.7z.0.24.2S:0.2x179.2E:0.2, h529km, 16km, mb4.2/13, Error ellipse: s-maj=31.1km s-min=23.0km az=22.0

IDC 06 18:00:59.1z.2.24.07S:179.06E, h552km, 23km, mb3.1/6, mbmp4.1/8, Error ellipse: s-maj=23.1km s-min=18.8km az=92.0

ISC 06 18:00:58.6z.0.24.1S:0.1x179.1E:0.1, h548km, n34, c097/34, mb4.0/12, South of Fiji Islands

Main table for 6d 18h section, listing various stations and their coordinates. Includes stations like MSVF Nonavsu, PINNC Pines Island, DZM Mont Dzumac, etc.

RSNC 06 18:08:27.6z.0.0.7N:1.7x3W, h146km, 2km, M3.0, mb4.5, ML2.8, ML3v.4, Mw(MB)3.6

IDC 06 18:08:28.3z.5.8.63Z:72.81W, h177km, 39km, mbmp3.3/1, Error ellipse: s-maj=75.1km s-min=70.7km az=135.0

ISC 06 18:08:25.9z.1.0.686N:0.03x73.10W:0.04, h153km, 6km, n34, c1937/65, Northern Colombia

Main table for 6d 18h section, listing various stations and their coordinates. Includes stations like BARC Barichara, PAMC Pamplona, BRUC Barrancabermej, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MALC Balboa, BBAC Balboa, MKAR Makanchi Array, etc.

RSNC 06 18:16:03.7z.0.0.7N:1.7x3W, h154km, 2km, M3.2, ML3.0, ML3.6

IDC 06 18:16:06.0z.4.8.673N:73.80W, h178km, 24km, mb2.9/1, mbmp3.4/1, Error ellipse: s-maj=194.2km s-min=35.6km az=93.0

ISC 06 18:16:02.3z.0.9.687N:0.03x73.10W:0.04, h159km, 6km, n33, c1920/62, Northern Colombia

Main table for 2019 MAY section, listing various stations and their coordinates. Includes stations like BARC Barichara, PAMC Pamplona, BRUC Barrancabermej, etc.

ISC 06 18:29:38.2z.0.5.3654N:40.88E, h18km, 956km, ML3.5

ISK 06 18:29:39.2z.36.36N:40.92E, h5km, ML3.9/19

AFAD 06 18:29:39.2z.36.31N:40.92E, h21km, MW3.7

ISC 06 18:29:39.7z.1.5.3637N:0.04x40.97E:0.03, h1km, 12km, n39, c152/59, Jordan-Syria region

Main table for 2019 MAY section, listing various stations and their coordinates. Includes stations like MARD Mardin, MIDY Mardin/Midyat, MIDY Midyat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HANI Diyarbakir_Han, CUKT Cukurca, GURO Guroymak-BITLI, etc.

IDC 06 18:56:28.5z.0.6.822N:76.46W, h0km, mb3.7/12, mbmp3.8/14, ML2.9/2, MS3.5/8, Error ellipse: s-maj=27.8km s-min=16.5km az=54.0

UPA 06 18:56:30.7z.2.6.49N:76.12W, h28km, 67km, MW4.7

NEIC 06 18:56:32.6z.0.2.6.99N:0.05x76.26W:0.06, h20km, 7km, mb4.5/9, Error ellipse: s-maj=9.9km s-min=5.0km az=49.0

RSNC 06 18:56:32.9z.0.7N:1.7x6W, h0km, 2km, M3.9, mb5.2, mb5.0, ML3.6, MLV4.5, Mw(MB)4.5

ISC 06 18:56:31.2z.0.9.682N:0.02x76.31W:0.02, h17km, 6km, n94, c2915/136, mb4.0/14, MS3.4/6, 10, Northern Colombia

Main table for 2019 MAY section, listing various stations and their coordinates. Includes stations like DBBC Dabeiba, MEDEC Medellin, ANIL Anillo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BBAC, PTGC, FLOCC, MACC, CRUC, SDV, etc.

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

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FTIG, STGB, STGO, SCIG, CRIG, NEIC, DJA, IDC, ISC, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like EVN, ULN, SOMN, CASY, PETK, KSH, MKAR, YAK, MAKZ, KDJ, BOOM, ARSB, ZAAO, ZALV, ZALV, GAR, KURBB, KURK, Vnda, SIMJ, TIXI, BVAR, BRVK, NRK, ABKAR, GSPA, E19K, G23K, G23K, E23K, ILAR, F25K, GERES, EKA, TXAR, TORD, CPUP, LPAZ, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MSVF, STKA, WRA, ASAR, ASAR, MJAR, PETK, MAW, ILAR, TXAR, MKAR, BRTR, MMAI, GERES, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JOTO, JMM, BSO1, BSO3, BSO3, JAG, MJAR, MJAR, H11N2, H11N1, H11N3, H11S1, H11S3, H11S2, SONM, MKAR, KURBS, WRA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include LOVI, LOBH, LOBH, IDC, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PETK, PETK, ASAJ, MA2, KLR, YAK, H11S1, H11S2, ZALV, MKAR, KURBS, YKA, BVAR, SPITS, ARCES, BELG, FINES, HFS, KBZ, AKAS, ASAR, TXAR, EKA, GERES.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AF01, AF01, AF01, AC01, AC01, AC01, PB03, PB03, PB03, PB09, PB09, PB09, AC02, AC02, AC02, AC02, AC02, PB01, PB01, PB01, GO03, GO03, GO03, AZAP, AZAP, PB08, PB08, PB08.

HEL 06 20:04:54.9-0.3, 67.89N-20:32E, h0km, ML1.2, Suspected explosion, Sweden. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KIF, KIF, KIF, HEF, HEF, HEF, PAJU, ERTU, KLF, KLF, TRO, KALU, KALU, TOF, TOF, TOF, ARAO, RNF, RAJF.

HEL 06 20:05:10.8-0.3, 67.61N-33.47E, h0km, ML1.4, Suspected explosion, Baltic States-Belarus-Northwestern Russia. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include LVZ, VRF, VRF, OLKF, OLKF, OLKF, RAUF, RAUF, RAUF, KUNF, RANF, RANF.

TXNET 06 20:46:06.2, 31.6N-0.7, 104.3W-0.8, h5km, 3km, ML1.9/6, 1C, Error ellipse: s-maj=1.3km s-min=1.0km az=58.1, final, Western Texas. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TPB11, PECS, PECS, TPB12, TPB07, TPB07, TPB10, GD2L, CLNB, MNTX, MNTX, MNTX, VHRN, VHRN, VHRN, TPB05, MNHN, MNHN, ALPN, ALPN, ALPN, CPXR, ODSA, ODSA, TX31.

OSPL 06 20:20:16.1-1.6, 18.61N-69.34W, h133km, 19km, ML2.9. SDD 06 20:20:17.1-1.6, 18.75N-69.35W, h106km, 9km, MD3.3, ML2.6, MW3.1. ISC 06 20:20:18.4-2.0, 18.6N-0.1, 69.41W-0.05, h84km, 16km, n14, c1514/21, 5C-2D, Dominican Republic region. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include HATOM, HATOM, HATOM, MIDR, MIDR, MIDR, DR08, DR08, DR08, SMDR, BANI, BANI, BANI, BANI, PCDR, PCDR, PCDR, ABDR, ABDR, PODR, PODR, PODR, SDDR, SDDR, SDDR, SDDR, REDR, REDR, REDR, LOVI, LOVI.

TXNET 06 20:26:09.9, 31.7N-0.7, 104.3W-0.8, h5km, 2km, ML2.3/7, 3C-1D, Error ellipse: s-maj=1.2km s-min=1.0km az=76.0, final, Western Texas. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TPB11, TPB11, PECS, PECS, TPB12, GD2L, TPB10, CLNB, CLNB, TPB01, TPB01, MNTX, MNTX, MNTX, HTMS, VHRN, VHRN, MNHN, MNHN, ALPN, ALPN, CPXR, ODSA, ODSA, TMB02, TX31.

IDC 06 20:55:23.9-1.8, 52.42N-101.52E, h0km, mb3.8/2, mbtmp3.9/18, ML2.9/2, MS2.4/3, Error ellipse: s-maj=25.8km s-min=22.1km az=161.0. ISC 06 20:20:13.4-1.0, 46.6N-0.1, 155.6E-0.1, h18km, n23, c0911/19, mb4.0/17, East of Kuril Islands region. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MOY, MOY, MOY, MOY, ORL, ORL, ORL, ORL, ARS, ARS, ARS, ARS, ARS, ARS, ARS, ARS, ARS, ARS, ARS, ARS, IRK, IRK, IRK.

SJA 06 20:41:34.5-0.7, 24.33S-69.42W, h99km, 5km, ML3.7, MW3.7. GUC 06 20:41:36.1-0.7, 24.31S-69.37W, h82km, 3km, ML 3.9. ISC 06 20:41:37.1-1.3, 24.28S-69.43W-0.05, h81km, 14km, n28, c1507/49, 1C-2D, Northern Chile region. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GO02, GO02, GO02, GO02, PB14, PB14, PB14, PB14, PB10, PB10, PB10, PB06, PB06, PB06, PB06, PB05, PB05, PB05, AF01, AF01.

6d 21h

Table with columns for station name, frequency, power, and status. Includes stations like ARPS, XMAS, PMG, and various others.

2019 MAY

Main table with columns for station name, frequency, power, and status. Includes stations like JAGI, QSPA, GSPA, and various others.

302

Table with columns for station name, frequency, power, and status. Includes stations like KURBB, KBL, KKAR, and various others.

6d 21h

Table with columns for station code, name, frequency, and signal strength. Includes stations like TWGBT, YOJ, YON, YU, YULB, YUB, YP, YR, YS, YU, YV, YW, YX, YZ, etc.

2019 MAY

Table with columns for station code, name, frequency, and signal strength. Includes stations like JMN, Monobe, TSZ, Takapari Road, TKGZ, Te Karaka, PNHZ, Puketi, PUZ, Puketiti, etc.

304

Table with columns for station code, name, frequency, and signal strength. Includes stations like JSD, Sado, JSD, Sado, JSD, Sado, JVA, Atsumi, BKNI, Bangkinang, etc.

305

Table with columns: Station, Name, Frequency, Class, Polarity, and other technical data. Includes stations like Maruseppu, Lhok Sumawe, Asahikawa, and many others.

Table with columns: Station, Name, Frequency, Class, Polarity, and other technical data. Includes stations like CMAR, CHTO, CHIO, CHTA, and many others.

Table with columns: Station, Name, Frequency, Class, Polarity, and other technical data. Includes stations like UGL, TNCH, XMAS, HHC, KLR, XLT, TYV, BTO, SKR, GRNR, LZH, HEH, and many others.

2019 MAY

6d 21h

2019 MAY

Table with columns: Petk, S, S, 21 37 36.1 -1.9, etc. Includes entries for PETK, PETK, PETK, etc.

Table with columns: Ulanbaatar, 64.72 332, Ulanbaatar, 65.00 331, etc. Includes entries for Ulanbaatar, Ulanbaatar, Ulanbaatar, etc.

Table with columns: Vanda, 70.96 176, Vanda, 70.96 176, etc. Includes entries for Vanda, Vanda, Vanda, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other details. Includes stations like M11K Mekoryuk, M11K Bhakra, S14K Fog Glacier, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other details. Includes stations like O16K Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other details. Includes stations like F15K North Star Dit, F15K North Star Dit, L17K Donlin, etc.

6d 21h

Table with columns: ID, Name, baz, SNR, and various performance metrics. Includes entries like L19K White Mountain, M19K Big River Lodg, F17K Baldwin Pennin, etc.

2019 MAY

Table with columns: ID, Name, baz, SNR, and various performance metrics. Includes entries like I20K Naaghedeneel, RC01 Redstone River, M22K Willow, etc.

308

Table with columns: ID, Name, baz, SNR, and various performance metrics. Includes entries like B20K Nenana, NEA2 Nenana, KLU Klutina, etc.

6d 21h

Table of astronomical observations with columns for station, name, coordinates, and values. Includes stations like Barrier River, Telegraph Cree, S34M, etc.

2019 MAY

Table of astronomical observations with columns for station, name, coordinates, and values. Includes stations like WHFO, LIRD, ARTI, etc.

310

Table of astronomical observations with columns for station, name, coordinates, and values. Includes stations like D08A, LHV, RYN, etc.

311

2019 MAY

6d 21h

Main table containing flight data with columns for airline, flight number, class, departure time, arrival time, status, and aircraft. Includes airlines like SPITS, KBZ, ATD, VRH, KBS, KIV, APA, HSPB, VADS, LABN, ERBR, VORR, LPSR, BJO1, BJO2, BJO3, VSR, MOS, AKASG, KEV, VSR, SOC, ARAO, HAMF, Y2D2, TULEG, A1AN, ANN, and KIS.

6d 21h

2019 MAY

Table with columns for station names (e.g., STHS, DRGR, EFI, etc.), call signs, and various numerical data points.

Table with columns for station names (e.g., UPC, FRGS, SMOL, etc.), call signs, and various numerical data points.

Table with columns for station names (e.g., CONA, LRW, HSKC, etc.), call signs, and various numerical data points.

Table of astronomical observations for the left column, including station codes like TSUM, GRF, and names like Tsumeb, Grafenberg, and various object names like PKKP, PKPdf, etc.

Table of astronomical observations for the middle column, including station codes like WLF, EKA, and names like Waiferange, Eskdalemuir, and various object names like PKP, PKPdf, etc.

Table of astronomical observations for the right column, including station codes like CGAR, Les Avellanes, and names like Malloca, and various object names like eSP, eSKP, etc.

6d 22h

2019 MAY

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PTGB Pitanga, AVE Averroes, SIV San Ignacio, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RESJ San Isidro, REPA Paraso, RYLA Villa Bonita, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like YKA Yellowknife Ar, GERES GERES Array B, NVAR Mirim Array Bea, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like UPA 06 21:31:44.5, DRKO Durika, BURE Buenos Aires, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KSR5 Korea Array, MJAR Matsushiro Arr, MKAR Mikami Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DJA 06 21:56:45.6, BSSI Bau Bau, BNSI Bone, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like USSR, MAJO, MJAR, M16K, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like BRTR, MMAI, ESDC, GQSA, PMSA, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like M16K, L16K, PEAOB, etc.

6d 23h

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like Pine Creek, Babbage River, Eagle Point, etc.

2019 MAY

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like Lanzhou, Cornudas Mount, Gaotai, etc.

OSPA

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like South Pole Qui, Matop, Matopo, etc.

NNC 06:23:42.28.6.3, 36.31N:70.57E, h0km, mb4.1, mpv3.7, Error ellipse: s-maj=33.1km s-min=22.6km az=144.0

ISC 06:23:43.27.8.1.4, 35.93N:0.170.8E, 0.1, h102km, n11, 1525/15, 4C-3D, Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like Karatay Array, AAK, AAK, etc.

TRN 06:23:05:58.2, 12:56N-58:76W, h15km, MD4.2, South-west of Barbados, North Atlantic Ocean

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like Gun Hill, Saint Lucia, A, etc.

NEIC 06:23:09:08.1±2.0, 4.89N:0.078±0.0E:0.1, h10km, 1km, mb4.6/30, Error ellipse: s-maj=23.9km s-min=12.2km

ISC 06:23:09:23.7.1.6, 4.77N:127.69E, h159km, 14km, mb3.7/17, mbmp4.2/18, Error ellipse: s-maj=22.9km s-min=9.8km

DJA 06:23:09:27.4.0.4, 5.4N:4.12E, h128km, 5km, M4, 7/17, mb4.6/17, mb6.2/11, MLV4.8/12, Mw(m)/5.9/1

ISC 06:23:09:23.0.0.5, 4.80N:0.055, 127.79E:0.09, h150km, n74, 1522/15, mb4.2/22, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like Sangihe, Davo City, etc.

7d 0h

Table with columns: SRN, Station Name, AML, AML, Time, Res. Lists various stations and their associated data points.

2019 MAY

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like FETA, MOTA, GERES, etc.

IDC 06 23:55:09.7±3.8, 6.43N-60.63E, h0km, mb3.6/6, mbmp3.6/6, Error ellipse: s-maj=91.7km s-min=32.4km az=5.0

ISC 06 23:55:11.3±3.6, 6.4N±0.6, 60.6E±0.2, h10km, n9, r0526/6, mb3.6/6, Carlsberg Ridge

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like CMAR, BRTR, MKAR, etc.

FUNUV 06 23:56:13.4, 9.79N±69.97W, h5km, MW3.2 RSNC 06 23:56:14.9, 1.6, 10°N±5.7°W, h2km, 29km, M2.5, mb3.7, mB4.6, M2.5, 9.8, MW(m)3.9

ISC 06 23:56:12.4±1.4, 9.80N±0.4, 69.96W±0.03, h10km, 12km, n15, r139/29, 3C-1D, Venezuela

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like TEPV, SDV, JACV, etc.

TXNET 07 00:20:13.4, 31.7N±0.7, 104.3W±0.8, h6km±2km, ML1.9/6, Error ellipse: s-maj=1.2km s-min=1.0km az=64.5, final, Western Texas

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like TPB11, PECS, GDGL, etc.

NEIC 07 00:29:01.2±1.5, 22.5N±0.1, 143.5E±0.2, h158km, 8km, mb4.4/11, Error ellipse: s-maj=20.6km s-min=14.6km az=76.0

IDC 07 00:29:02.1±2.4, 22.48N±143.19E, h158km, 19km, mb3.5/10, mbmp4.0/12, Error ellipse: s-maj=30.3km s-min=16.3km az=73.0

ISC 07 00:28:59.5±0.7, 22.45N±0.09, 143.6E±0.2, h150km, n30, r1941/29, mb3.9/15, Volcano Islands region

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like JCJ, YHNB, SONM, etc.

ISC 07 00:29:02.1±2.4, 22.48N±143.19E, h158km, 19km, mb3.5/10, mbmp4.0/12, Error ellipse: s-maj=30.3km s-min=16.3km az=73.0

ISC 07 00:29:02.1±2.4, 22.48N±143.19E, h158km, 19km, mb3.5/10, mbmp4.0/12, Error ellipse: s-maj=30.3km s-min=16.3km az=73.0

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like MKAR, KURBB, BVAR, etc.

ISC 07 00:30:14.6±1.0, 7.29N±h0km, MW3.9, mbmp4.0/11, ML3.5/2, Error ellipse: s-maj=33.9km s-min=18.5km az=55.0

UPA 07 00:30:14.0±1.5, 7.14N±82.38W, h10km, 12km, MW4.6, mB4.8/1, MLV4.8/19, Mw(m)B4.1/1, Error ellipse: s-maj=8.8km s-min=4.9km az=33.9, confirmed

RSNC 07 00:30:15.8±0.0, 7N±3.8°W, h32km, M3.4, mB3.3, mb4.1, ML3.4, Mw(m)4.7

NEIC 07 00:30:22.9±1.4, 7.8N±0.1, 82.25W±0.07, h20km, 8km, mb4.4/98, Error ellipse: s-maj=19.9km s-min=8.1km az=195.0

ISC 07 00:30:14.2±1.5, 7.24N±0.05, 82.27W±0.03, h2km, 9km, n247, r1947/281, mb4.3/50, 1C-1D, South of Panama

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res. Lists stations like PTPA, PEDE3, CHIR3, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GO01 Chusmiza, NNA Nana, LPAZ La Paz, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ELK Elko, PD31 Pinedale Array, TPWA Teton Pass, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TUIG Oaxaca, OXLC Oaxaca, Vista Hermosa, etc.

7d 5h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KOTS, MDOK, MK31, MAK2, MTBS, etc.

KRSC 07 04:15:39.9,2.4,49.10N,156.75E,h40km,34km,M14.0, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR, PAU, KDR, ASAK, etc.

RSNC 07 04:28:18.0,0.7,N,1.7,3W,h152km,2km,M3.1,mB4.8, mb3.8,ML2.9,MLv3.6,Mw(m)B4.1, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BARC, BRUC, PAMC, RUSC, etc.

SKHL 07 04:36:15.7,0.4,48.40N,148.50E,h505km,2km,mb4.2/6, msh4.6/3, IDC 07 04:36:21.3,2.8,48.89N,147.57E,h502km,37km, mb3.0/13,mbmp3.9/14, Error ellipse: s-maj=26.0km

2019 MAY

s-min=15.7km az=174.0, ISC 07 04:36:18.0,0.7,48.28N,0.08,147.8E,0.1,h500km,n25, e213/26,mb3.5/12, Sea of Okhotsk

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR, YSS, UGL, TYV, YUK, SHO, NMR, AKK, OKH, NKL, KLR, JUNU, ILAR, MKAR, SPITS, YKA, ARCES, FINES, NVAR, NB2, NOA, HFS, PDAR, AKASO, TXAR, NEIC, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GMN, S11A, LCH, SPR3, BHPR, GRAC, WFOR, SGV, AFDM, CMB, TPNV, PRN, WCT, WCT, PSY, CPUT, ORV, NSP, HATC, SDH, MCV, AMONV, BGU, DUG, GWY, J08A, SHPR, MFID, HVU, MVU, SAO, YBH, YBH, YBH, HLID, MCMC, J05D, V12A, V12A, I07A, HWUT, TMUT, P16A, U15A, PLID, W13A, PFAO, FXWY, SNOW, MOOV, LOHW, WUAZ, GILVC, PDAR, PV10, PV22, YMR, BBB, TXAR, YKA, PAQE, BITO, BITO, ENAS, ROBF, ARZA, SRA1, ATEO, PALD, PURI, PURI, etc.

CATAC 07 05:00:08.1,0.6,10.14N,4.8,5W,h5km,1km,M3.5/9, MLv3.5/9, Error ellipse: s-maj=8.0km s-min=3.9km az=6.4, confirmed, UCR 07 05:00:09.1,1.3,9.65N,84.94W,h17km,4km,MMV3.5, ISC 07 05:00:08.9,1.1,9.64N,0.03,84.91W,0.02,h14km,8km, n102,e097/151,11C-37D,Costa Rica

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAMO San Ramon, INDI Punta indio, CMARA Lajas Hojancha, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PECS Southwest of T, TPB12 Hovey Rd, TPB05 Permian Basin, etc.

AFAD 07 05:25:27.8, 38.32N, 45.18E, h7km, 1km, ML2.1
AZER 07 05:25:29.3, 38.62N, 44.97E, h5km, ml2.8
TEH 07 05:25:29.0, 38.45N, 45.07E, h5km, 132km
ISC 07 05:25:29.7, 1.2, 38.47N, 0.03, 45.10E, 0.02, h5km, 11km, n28, r139/47, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ISHB Shabestar, IMRD Marand, NAX Nakhchivan, etc.

NEIC 07 05:54:35.1, 3.0, 38.33N, 0.1, 53.81E, 0.02, h10km, 2km, mb4.2/13, Error ellipse: s-maj=20.0km s-min=3.2km az=175.0

IDC 07 05:54:35.2, 1.5, 38.63N, 53.87E, h0km, mb3.9/13, mbmp4.0/22, ML3.7/9, MS2.9/2, Error ellipse: s-maj=25.3km s-min=11.5km az=168.0

TEH 07 05:54:36.3, 38.25N, 53.85E, h27km, MOS 07 05:54:38.3, 1.5, 38.81N, 53.87E, h19km, mb4.1/7, Error ellipse: s-maj=7.6km s-min=5.2km az=128.7

DRS 07 05:54:46.0, 38.35N, 53.26E, h16km, ISC 07 05:54:35.4, 0.6, 38.38N, 0.0, 53.82E, 0.04, h10km, n172, r26/10/196, mb4.1/21, MS2.2, 10C-4D, Turkmenistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IHRS Heris, IKHL Kolahrod, KSMR Kasumkent, etc.

AFAD 07 05:25:27.8, 38.32N, 45.18E, h7km, 1km, ML2.1
AZER 07 05:25:29.3, 38.62N, 44.97E, h5km, ml2.8
TEH 07 05:25:29.0, 38.45N, 45.07E, h5km, 132km
ISC 07 05:25:29.7, 1.2, 38.47N, 0.03, 45.10E, 0.02, h5km, 11km, n28, r139/47, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUJR Buynaksk, XNZR Khunzakh, UNCR Uncukul, etc.

NEIC 07 05:54:35.1, 3.0, 38.33N, 0.1, 53.81E, 0.02, h10km, 2km, mb4.2/13, Error ellipse: s-maj=20.0km s-min=3.2km az=175.0

IDC 07 05:54:35.2, 1.5, 38.63N, 53.87E, h0km, mb3.9/13, mbmp4.0/22, ML3.7/9, MS2.9/2, Error ellipse: s-maj=25.3km s-min=11.5km az=168.0

TEH 07 05:54:36.3, 38.25N, 53.85E, h27km, MOS 07 05:54:38.3, 1.5, 38.81N, 53.87E, h19km, mb4.1/7, Error ellipse: s-maj=7.6km s-min=5.2km az=128.7

DRS 07 05:54:46.0, 38.35N, 53.26E, h16km, ISC 07 05:54:35.4, 0.6, 38.38N, 0.0, 53.82E, 0.04, h10km, n172, r26/10/196, mb4.1/21, MS2.2, 10C-4D, Turkmenistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IGLO Ghalgohagh, MRVT Maraveh tapeh, IKIA Kiasar, etc.

TXNET 07 05:02:21.4, 31.4N, 103.5W, 0.7, h5km, 1km, ML2.2/12, Error ellipse: s-maj=1.2km s-min=0.9km az=45.1, final, Western Texas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PCOS Crockett Middl, TPB07 Mentone, TPB04 Verhalen, etc.

7d 6h

Table with columns for station name, time, and various codes. Includes stations like Keskinn Array B, Divnogorie, Ala-Archa, etc.

2019 MAY

Table with columns for station name, time, and various codes. Includes stations like FINESS Array B, HFS Hagfors, ARCES ARCESS Array B, etc.

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Table with columns for station name, time, and various codes. Includes stations like WRA, ASAR Alice Springs, STKA Stephens Creek, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like KUR, KPT, KOZ, KIR, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like OSSR, JEM, ERM, etc.

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

7d 6h

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ

2019 MAY

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ

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Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ

Table with columns: Name, ID, Date, Location, Time, Status, etc. Includes entries like NB201 NORSAR Array S, NB2 NORSAR Subarra, etc.

Table with columns: Name, ID, Date, Location, Time, Status, etc. Includes entries like AK03 Malin Array Si, KBZ Khabaz, AKASG Malin Array Be, etc.

Table with columns: Name, ID, Date, Location, Time, Status, etc. Includes entries like DKNS Dickens, L44A Lake County Fo, OK051 E0350 and S346, etc.

2019 MAY

Table with columns for code, name, time, status, and other details. Includes entries like TESR Tescani, LDAO Lac Daran, GAL1 Galloway, etc.

Table with columns for code, name, time, status, and other details. Includes entries like ZVC Prince Edward, PECO Prince Edward, WNE Mynd Eitan, etc.

Table with columns for code, name, time, status, and other details. Includes entries like UOSS Minazif, VT1 Waterbury, STRD Stroud, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and Name. Includes stations like SSPA Standing Stone, CLTN Cedars of Lebanon, MCWV Mont Chateau, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and Name. Includes stations like PDG Podgorica, STKA Stephens Creek, STKA Stephens Creek, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and Name. Includes stations like PMRV 73d 6h, PSBE Montargil, PMTG Montargil, etc.

100 07 06:32:01.1 ± 1.5, 10°58'S × 113°61'E, h0km, mb4.0/8, mbmp4.09, ML4.0/1, MS3.2/1, Error ellipse: s-maj=50.5km s-min=18.5km az=51.0

NEIC 07 06:32:03.7 ± 2.8, 10°72'S × 113°76'E, h10km, 2km, mb4.2/9, Error ellipse: s-maj=17.3km s-min=3.3km az=263.0

DJA 07 06:32:03.6 ± 0.5, 11°S × 111°42'E, h10km, M4.5/17, mb4.6/4, MLV4.5/17

ISC 07 06:32:04.4 ± 0.6, 10°74'S × 113°67'E, h0.05, h23km, n50, c152/53, mb4.1/1, South of Jawa

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, and Res. Includes stations like JAGI Jajag, BANYUWA, GMJ Gumukmas, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like H22K Ishaltina Cre, MMAL Mount Meron Ar, BRSE Bradley Lake S, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like I27K Kandik River, L27K Beaver Creek, M27K Gde Creek, AK, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like PLCA Paso Flores, B102 San Fabin de, TRQA Torquai, etc.

CATAC 07:07:34:42.0±2.6, 10°N±5.6'±5W±, h11km±5km, M3.0/7, MLv0.7, Error ellipse: s-maj=11.1km s-min=6.7km az=22.4, confirmed Costa Rica

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like INDI Punta indio, G, FAKI Punta indio, G, CMARA Lajas Hojanica, etc.

IDC 07:07:34:45.6±3.3, 53°64'N-87°98'E, h0km, mbtmp=2.5/2, ML2.2/2, Error ellipse: s-maj=29.1km s-min=19.1km az=54.0

ASRS 07:07:34:42.0±1.2, 53°78'N-88°21'E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalevo Beam, ZALV Zalevo Beam, etc.

IDC 07:07:48:35.4±1.0, 3°57'S: 140°09'E, h0km, mb4.0/5, mbtmp=4.1/6, ML4.1/1, M3.3/1, Error ellipse: s-maj=44.8km s-min=11.6km az=118.0

DJA 07:07:48:37.6±1.0, 4°S±5.14°0E±, h10km, M4.2/4, MLv4.2/4 NEIC 07:07:48:40.8±1.2, 3.75°S±1.14°2E±, h35km±2km, mb4.2/10, Error ellipse: s-maj=22.9km s-min=14.9km az=59.0

IDC 07:07:48:40.2±0.7, 3.83S:0.05:140.34E±0.08, h35km±25, z=261/30, mb4.0/5, Iranian JAY

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like GENI Genyem, JAY Jayapura, JAY Jayapura, etc.

WBO Warramunga Arr 16.87 200 Iamb Iamb 07 52 34.9+1.1 WBO comp=Z,13nm,0.9s

WRB Warramunga Arr 17.01 199 Iamb Iamb 07 52 36.3+0.8 WRB comp=Z,21nm,1.1s

WRAB Tennant Creek 17.04 200 P Iamb 07 52 37.4+1.4 WRAB comp=Z,23nm,1.1s

WB2 Warramunga Arr 17.05 200 P Iamb Iamb 07 52 37.1+1.1 WB2 comp=Z,2.2nm,0.6s

WRA Warramunga Arr 17.05 200 P Iamb 07 52 35.2-0.8 WRA comp=Z,0.7nm,0.9s,baz=17,slow=13,SNR=24

WRA Warramunga Arr 17.05 200 P Iamb 07 52 36.4+0.3 WRA comp=Z,0.7nm,0.9s,baz=17,slow=13,SNR=24

FITZ Fitzroy Crossi 20.20 224 P P 07 53 12.0-0.2 FITZ comp=Z,2.2nm,0.6s

FITZ Fitzroy Crossi 20.20 224 P P 07 53 13.2+1.1 FITZ comp=Z,4.6nm,0.5s,baz=41,slow=17,SNR=11

AS31 Alice Springs 20.68 197 P P 07 53 19.3+2.0 ASAR Alice Springs 20.68 197 P Pn 07 53 20.7+0.9

ASAR Alice Springs 20.68 197 P Pn 07 53 20.7+0.9 ASAR comp=Z,31nm,0.7s,baz=27,slow=8.6,SNR=27.4

ASAR Alice Springs 20.68 197 P Pn 07 57 06.5-0.2 ASAR comp=Z,0.9nm,0.9s,baz=21,slow=29,SNR=3.1

EIDS Eidsvold 23.78 155 P Iamb Iamb 07 53 50.8+1.1 EIDS comp=Z,31nm,0.7s

XLT XILinHaoTe 52.28 338 eP pP 07 57 51.8+3.5 XLT comp=Z,5.0nm,1.0s

MKAR Makanchi Array 71.66 322 P P 07 58 57.2-1.3 MKAR comp=Z,0.2nm,0.5s,baz=118,slow=7.2,SNR=2.0

ZALV Zalevo Beam 1.25 288 Pg 07 50 46.4-1.0 ZALV 0.8nm,0.3s,baz=109,slow=13,SNR=9.2

ILAR Eielson Array 86.17 24 P P 08 01 15.9-1.7 ILAR comp=Z,0.2nm,0.5s,baz=267,slow=5.3,SNR=1.7

ASRS 07:07:50:20.0±0.9, 53°59'N-86°89'E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 07:07:50:23.5±2.5, 53°59'N-86°83'E, h0km, mbtmp=5/2, ML2.0/2, Error ellipse: s-maj=23.1km s-min=14.3km az=71.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalevo Beam, ZALV Zalevo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAKUR Makanchi Array, ZALVO Zalesovo Beam, and I46RU ZALESOVO INFRA.

ASRS 07 07:52:19.0+1.1, 53.80N-86.26E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALVO Zalesovo Beam, I46RU ZALESOVO INFRA, and MAKUR Makanchi Array.

ASRS 07 07:55:06.2+2.8, 53.43N-87.22E, h0km, mbtmp2.6/2, ML2.4/2, Error ellipse: s-maj=26.4km s-min=15.9km az=65.0

ASRS 07 07:55:02.0+1.2, 53.47N-87.46E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALVO Zalesovo Beam, I46RU ZALESOVO INFRA, and MAKUR Makanchi Array.

ASRS 07 07:59:37.0+2.2, 5.02S:144.86E, h69km, mb3.6/7, mbtmp3.9/10, MS2.7/2, Error ellipse: s-maj=27.2km s-min=12.0km az=53.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura, JAY Jayapura, and WRA Warrungarra Arr.

ASRS 07 08:00:04.0+0.9, 54.25N-87.09E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALVO Zalesovo Beam, and MAKUR Makanchi Array.

ASRS 07 08:05:09.0+1.5, 53.64N-87.99E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

UPA 07 08:09:00.9+1.6, 8.87N-82.90W, h8km, 7km, MD3.6, ML3.4, MW3.3

CATAC 07 08:09:01.1+0.2, 9°N-2°8'W, h10km, 2km, M3.4/12, ML3.4/12, Error ellipse: s-maj=5.2km s-min=4.0km az=37.8, confirmed

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BRU2 Volcan, I46RU ZALESOVO INFRA, and MAKUR Makanchi Array.

ASRS 07 08:11:14.0+0.7, 54.13N-87.19E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

ASRS 07 08:11:18.0+3.4, 54.12N-87.13E, h0km, mbtmp2.7/2, ML2.4/2, Error ellipse: s-maj=31.5km s-min=20.1km az=50.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALVO Zalesovo Beam, and MAKUR Makanchi Array.

ISN 07 08:12:08.8+0.5, 34.59N-46.54E, h10km, 9km, ML2.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDHR Dehrash, IGHG Ghaleghazi, and ILIN Lien.

ASRS 07 08:15:08.0+1.4, 53.64N-87.74E, h0km, M3.0, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

NNC 07 08:15:11.7+2.7, 53.46N-87.61E, h3km, 21km, mb3.1, mpv2.8, Error ellipse: s-maj=24.9km s-min=8.9km az=63.0, Suspected Mining explosion

ASRS 07 08:15:12.3+2.7, 53.45N-87.49E, h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=25.3km s-min=14.5km az=70.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Beam, and MAKUR Makanchi Array.

ASRS 07 08:20:32.0+0.8, 54.42N-86.87E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

ASRS 07 08:20:35.2+3.4, 54.41N-86.77E, h0km, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=28.4km s-min=19.0km az=49.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALVO Zalesovo Beam, and MAKUR Makanchi Array.

ASRS 07 08:20:42.1+3.9, 71S:150.30E, h0km, mb3.8/4, mbtmp3.8/6, ML3.4/1, MS3.6/2, Error ellipse: s-maj=32.3km s-min=26.8km az=147.0

ASRS 07 08:20:52.1+1.3, 9.85S:02.150E, h0km, n9, s162/8, mb3.9/3, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, WRA Warrungarra Arr, and ASAR Alice Springs.

ASRS 07 08:23:49.0+0.4, 60.50N-27.67E, h0km, ML1.1, Explosion, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VJF Virojoki, RUF Ruokolahti, and MAKUR Makanchi Array.

NDI 07 08:24:08.6+1.9, 10.74N-93.59E, h0km, ML4.5, MW4.5

DJA 07 08:24:12.9+0.3, 11°N-3°9'E, h91km, 4km, M4.9/12, mb4.8/3, mb4.6/12, MLV5.1/6, Mw(mB)4.1/3, Mw(mw)6.0/1, Mw(p)6.0/1

ASRS 07 08:24:15.3+3.2, 10.68N-93.59E, h121km, 29km, mb3.9/19, mbtmp4.3/21, MS3.3/6, Error ellipse: s-maj=27.4km s-min=10.9km az=62.0

ASRS 07 08:24:13.4+0.4, 10.76N-0.04E, h0km, n122, s165/122, mb4.5/44, 12, Andaman Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PBA Port Blair, DGPR DIGLIPUR, and CMBY CAMPBELL BAY.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Carlsbad, Crockett Middl, Permian Basin, etc.

ASRS 07 09:57:56.0±1.0, 54.30N, 86.17E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ICD 07 09:58:00.2±3.5, 54.24N, 86.12E, h0km, mbtmp3.2/2, ML3.0/2, Error ellipse: s-maj=18.1km s-min=11.0km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalevovo Beam, etc.

HEL 07 10:00:22.5±0.9, 67.77N, 20.11E, h0km, ML1.1, Suspected explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SALU Saittoaka, KIF Kilpisjärvi, etc.

ICD 07 10:00:46.2±2.9, 64.59N, 31.23E, h0km, mbtmp2.8/3, ML1.8/3, Error ellipse: s-maj=41.0km s-min=9.6km az=105.0

HEL 07 10:00:46.2±0.2, 64.68N, 30.75E, h0km, ML2.0, Suspected explosion

KOLA 07 10:00:50.3, 64.61N, 31.17E, h0km, ML2.4, Error ellipse: s-maj=22.0km s-min=14.0km az=140.0, Karelia

ICD 07 10:00:46.6±0.8, 64.58N, 30.02, 30.50E, 0.04, h0km, n53, ±152/65, Finland-Karelia border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like RMF Romuvaara, KU1 Kurvinen, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SYOLATTI, SUMAIEN, TORNO, etc.

ASRS 07 10:01:19.0±1.2, 53.53N, 87.68E, h0km, M3.1, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ICD 07 10:01:22.8±1.1, 53.49N, 87.54E, h0km, mbtmp3.0/2, ML2.6/2, Error ellipse: s-maj=27.4km s-min=14.4km az=62.0

NNC 07 10:01:24.7±3.3, 53.43N, 87.39E, h0km, mb3.3, mpv3.0, Error ellipse: s-maj=31.9km s-min=21.4km az=91.0, Suspected Mining explosion

ICD 07 10:01:22.6±4.7, 53.55N, 0.1±87.7E, 0.3, h0km, n8, ±18/10, 3C-7D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalevovo Beam, etc.

HEL 07 10:01:57.0±2.0, 60.30N, 25.46E, h0km, ML1.2, Suspected explosion, Finland

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like HEL1 Helsinki, PVF Pernaja, etc.

STR 07 10:03:14.2±1.4, 45.1N, 5.5E, h0km, MLV1.2/7, Error ellipse: s-maj=0.0km s-min=0.0km az=99.9, preliminary, France

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like GRN Grenoble, ORIF Oris-en-Rattie, etc.

STR 07 10:07:55.0±0.3, 46.2N, 2.2E, h0km, MLV1.9/12, Error ellipse: s-maj=0.0km s-min=0.0km az=86.0, preliminary, France

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PLDF La Plantede, COLF Collanges, etc.

ICD 07 10:43:18.0±9.8, 20.78N, 142.90E, h192km, 96m, mb3.1/6, mbtmp3.6/6, Error ellipse: s-maj=46.8km s-min=17.7km az=81.0

ICD 07 10:43:18.7±1.3, 20.8N, 0.2±142.9E, 0.3, h200km, n6, ±024/6, mb3.2/6, Mariana Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KSRs Korea Array, WRA Warramunga Arr, etc.

ICD 07 10:46:04.8±0.7, 8.72N, 127.05E, h0km, mb4.0/18, mbtmp4.0/19, ML4.0/1, MS3.3/8, Error ellipse: s-maj=24.5km s-min=13.8km az=84.0

ICD 07 10:46:10.3±0.7, 8.69N, 0.08±127.0E, 0.1, h39km, n26, ±071/21, mb4.0/18, MS3.6/5, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DAV Davao City (W), DAV Davao City (N), etc.

7d 13h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KSRS Korea Arr, H1N12 WAKE ISLAND, H1N11 WAKE ISLAND, etc.

LVSN 07 12:10:12.4.6.1, 59.65N:24.56E, h0km, 272km, ML1.3
HEL 07 12:10:19.3.0.8, 60.08N:23.81E, h0km, ML1.4,

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MEF Metsahovi, MEF Metsahovi, HEL Helsinki, etc.

SJA 07 12:31:17.6:0.6, 25.01S:71.89W, h15km, 3km, ML3.5, MW3.8

IDC 07 12:31:21.1:1.1, 25.02S:71.64W, h0km, mb3.9/2, mbmp4.0/5, ML3.9/3, MS3.4/2, Error ellipse: s-maj=61.6km s-min=24.2km az=100.0

GUC 07 12:31:24.8:0.6, 25.06S:71.57W, h21km, 9km, ML3.6
ISC 07 12:31:21.0:2.4, 24.97S:0.04:71.68W:0.07, h12km, 13km, n40, i196/51, 6C, Off coast of northern Chile

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PB14 IPOC Station P, AC01 Pan de Azucar, PB10 IPOC Station P, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TA01 IAML, CFA Coroneil Fontan, CFA Coroneil Fontan, etc.

QSPA South Pole Qui 65.24 180 P P 12 42 04.1 +1.8

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

IDC 07 12:33:50.4:4.4, 29.76N:141.62E, h0km, mb3.3/3, mbmp3.3/4, ML2.6/1, Error ellipse: s-maj=180.8km s-min=27.6km az=74.0, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MJAR Matsushiro Arr, MKAR Makanchi Array, WRA Warramunga Arr, etc.

ASAR Alice Springs 53.63 189 P P 12 43 13.5 -0.2

IDC 07 12:55:26.0:1.3, 33.44N:94.47E, h0km, mb3.6/5, mbmp3.6/7, ML3.4/2, MS2.9/5, Error ellipse: s-maj=74.3km s-min=19.2km az=62.0

ISC 07 12:55:31.1:1.4, 33.6N:0.2:94.6E:0.3, h35km, n10, o5917.7, mb3.6/4, Qinghai

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, MKAR Makanchi Array, etc.

SOMN Songino Array 16.78 29 Pn 12 59 25.5 0.0

AAK Ala-Archa 18.16 306 LR 13 07 58.5

KURBB Kurchatov Arr 26.80 330 P P 13 00 08.6 +0.7

ZALV Zalesovo Beam 21.49 344 P P 13 00 16.7 +0.1

GNI Garmi 39.97 294 LR 13 24 34.7

ARCES ARCES Array B 51.65 335 P P 13 04 34.7 +0.8

WRA Warramunga Arr 65.37 139 P P 13 06 09.6 -0.5

ASAR Alice Springs 68.16 141 P P 13 06 27.9 +0.1

IDC 07 13:03:23.6:1.1, 4.62N:125.85E, h0km, mb3.9/6, mbmp3.9/6, MS2.6/2, Error ellipse: s-maj=129.4km s-min=20.0km az=68.0

NEIC 07 13:03:30.9:0.9, 4.6N:0.1:125.7E:0.1, h48km, 10km, mb4.4/11, Error ellipse: s-maj=18.4km s-min=15.5km az=107.0

DJA 07 13:03:40.3:1.1, 4.1N:8.12:126E, h160km, 6km, M4.1/8, mb4.9/9, mb4.1/4, ML4.2/8, MW4.2/3

ISC 07 13:03:43.0:0.7, 4.31N:0.09:125.7E:0.2, h176km, n26, i169/23, mb4.0/10, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SGSI Sangihe, TINTI Ternate, LUWI Luwuk, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BMAR Burnt Mountain, ARCES ARCES Array B, SPITS Spitsbergen Arr, etc.

SJA 07 13:04:35.0:0.8, 20.18S:66.58W, h266km, 7km, ML4.2, MW3.8

SCB 07 13:04:36.0:1.4, 20.26S:66.65W, h258km, 13km, ML4.4/3, MW4.2, Error ellipse: s-maj=6.3km s-min=3.7km az=0.0

IDC 07 13:04:37.1:1.1, 20.18S:66.56W, h241km, 15km, mb3.2/3, mbmp3.9/8, Error ellipse: s-maj=21.9km s-min=14.9km az=78.0

NEIC 07 13:04:37.2:1.1, 20.27S:0.08:66W:0.1, h239km, 23km, mb4.4/3, Error ellipse: s-maj=20.5km s-min=11.1km az=108.0

VAO 07 13:04:38.4:0.5, 20.12S:66.47W, h248km, 5km, mb4.0

ISC 07 13:04:36.5:0.6, 20.24S:0.04:66.63W:0.05, h247km, 7km, n87, i139/105, mb3.9/3, Southern Bolivia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MOCB Mochara, SOEO Opoukeri, YJA Yavi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like SDBA SAO DESIDERIO, SJMB Sao Joao De Ma, GUA01 Guaratinga, BA, etc.

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

IDC 07 13:07:43.5±1.0, 6.16N;126.13E, h144km, mb3.0/5, mbmp3.4/5, Error ellipse: s-maj=60.0km s-min=16.7km az=71.0

DJA 07 13:07:54.7±0.5, 5.5N;142.7E, h112km, Mb4.2/10, Mb4.7/2, mb3.4/5, MLv4.2/10, Mw(mb)B4.0/2

ISC 07 13:07:43.3±0.9, 6.02N;106.126E;0.1, h150km, n12, c248/16, mb3.2/5, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like DAV Davao City (W), DAV, SGSI Sangihe, etc.

STR 07 14:07:51.1±0.7, 45°N;5°E, h0km, MLv1.4/10, Error ellipse: s-maj=0.0km s-min=0.0km az=12.3, preliminary, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like GRN Grenoble, OCSM Saint Maurice, SSB Saint Sauveur, etc.

DNK 07 14:13:32.1±0.3, 58°10'N;7.77E, h8km, ML0.7, Southern Norway

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

DNK 07 14:13:55.4±4.5, 58°56'N;8.87E, h9km, 41km, ML1.0, Southern Norway

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

NIED 07 13:22:01.8, 38°78'N;142°01'E, h36km, MW3.8, Moment Tensor Solution, s3 Moment tensor: Scale 10^19Nm

JMA 07 13:22:01.8±0.1, 38.78N;142.02E, h36km, 1km, Mw3.8/40, MV3.9/40, KINKAZAN REGION

JMA Felt J1 at KINKAZAN REGION, IDC 07 13:22:03.2±0.5, 38.78N;142.02E, h44km, 23km, mb3.4/7, mbmp3.6/10, ML3.6/2, MS3.0/3, Error ellipse: s-maj=26.9km s-min=16.0km az=101.0

ISC 07 13:22:01.7±1.5, 38.79N;0.05;141.96E;0.07, h31km, 10km, n34, c0568/30, mb3.6/7, 4D, Near east coast of eastern Honshu

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

IDC 07 14:16:09.3±2.2, 31°12'S;178°85'W, h0km, mb3.6/3, mbmp3.6/4, ML3.0/1, Error ellipse: s-maj=52.3km s-min=36.3km az=60.0, Kermadec Islands region

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

CATAC 07 14:23:35.2±1.0, 8°16'N;8°37'W, h18km, 4km, M3.0/5, MLv3.0/5, Error ellipse: s-maj=14.1km s-min=5.2km

ISC 07 14:23:36.0±0.8, 8°14'N;82°98'W, h26km, 4km, MD3.5, ML3.9

ISC 07 14:23:35.9±1.0, 8°41'N;0.04;82°99'W, 0.03, h30km, 7km, n23, c072/35, 1C-6D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like CDITO Canoas, CDITO Canoas, LESP3 La Esperanza, etc.

IDC 07 14:31:32.8±1.6, 14°42'N;55°76'E, h0km, mb3.5/6, mbmp3.5/6, MS3.1/5, Error ellipse: s-maj=43.8km s-min=34.0km az=57.0

ISC 07 14:31:35.7±1.6, 14°5N;0.3;55°8E;0.3, h18km, n11, c085/6, mb3.7/6, MS3.0/5, Owen Fracture Zone region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like EIL Elat, ASF Jabal al Asfar, GNI Garni, etc.

IDC 07 14:34:07.0±1.3, 1°92'N;127°51'E, h0km, mb3.7/5, mbmp3.7/6, ML3.3/1, Error ellipse: s-maj=56.6km s-min=15.0km az=79.0

ISC 07 14:34:21.9±1.4, 1.7N;0.1;127.3E;0.4, h128km, n6, c0539/7, mb3.6/5, Halmahera

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

JMA 07 14:41:37.6±0.1, 35°39'N;137°06'E;0.2, h9km, WESTERN NAGANO PREF, Eastern Honshu

IDC 07 14:42:20.9±0.5, 35°28'N;142°62'E, h0km, mb4.4/25, mbmp4.5/32, ML2.4/6, MS3.9/48, Error ellipse: s-maj=13.1km s-min=13.0km az=107.0

NEIC 07 14:42:23.2±1.3, 35°32'N;142°62'E;0.1, h10km, 1km, mb5.0/328, Mw4.8/19, Error ellipse: s-maj=15.4km s-min=10.0km az=105.0

MOS 07 14:42:23.7±0.9, 35°71'N;142°57'E, h16km, mb5.0/50, MS4.0/10, Error ellipse: s-maj=7.3km s-min=4.2km az=112.0

NIED 07 14:42:23.1, 35°35'N;142°67'E, h59km, MW4.8, Moment Tensor Solution, s3 Moment tensor: Scale 10^19Nm

JMA 07 14:42:23.1±0.4, 35°N;142°3E, h59km, MD4.8/36, MW4.8/36, FAR E OFF CENTRAL HONSHU

JMA Felt J1 at FAR E OFF CENTRAL HONSHU, NEIC 07 14:42:23.3, 35°33'N;142°60'E, h14km, Moment Tensor Solution: Duration: 153 Moment tensor: Scale 10^19Nm

GCMT 07 14:42:27.0±0.3, 35°22'N;142°48'E;0.03, h18km, 1km, Mw4.9/90, Moment Tensor Solution, s19c21; s90c139; Duration: 0 Moment tensor: Scale 10^19Nm

ISC 07 14:42:21.0±0.5, 35°33'N;142°69'E;0.04, h19km, 1km, n24C-5D, East coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like BSO1 Boso, JSMT Samumatsuo, JSMT Samumatsuo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like BSO1 Boso, JSMT Samumatsuo, JSMT Samumatsuo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like BSO1 Boso, JSMT Samumatsuo, JSMT Samumatsuo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like BSO1 Boso, JSMT Samumatsuo, JSMT Samumatsuo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like BSO1 Boso, JSMT Samumatsuo, JSMT Samumatsuo, etc.

7d 14h

Table with columns for station name, coordinates, elevation, and various performance metrics. Includes stations like YJAZ, YJYN, JOU, JOFO, etc.

2019 MAY

Table with columns for station name, coordinates, elevation, and various performance metrics. Includes stations like MDJ, MDJ, MDJ, MDJ, etc.

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Table with columns for station name, coordinates, elevation, and various performance metrics. Includes stations like HNS, HNS, HNS, HNS, etc.

Table with columns: VSR, Station Name, Frequency, Band, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like Storozhevoje, Akty, Summit, Circle Bar Lan, Khabaz, Khabaz, Kislovodsk, etc.

Table with columns: Station Name, Frequency, Band, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like Yuhua Desert, Buocovina Array, Henty Mountain, Lac du Bonnet, Sierra Juarez, Keskin Array S, etc.

Table with columns: Station Name, Frequency, Band, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like CCM, BRDY, DRIO, FCAR, VAE, KEST, RKT, ESDC, QSPA, SDV, TROLL, TEF, ITTB, TMB, LPAZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes header for IDC 07 15:19:35 and WRA Warramunga Arr.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes header for TXNET 07 15:25:03 and TPB11 China Draw.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes header for IDC 07 15:34:36 and H0S2 Diego Garcia H.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes header for KOLA 07 15:37:55 and ISC 07 15:37:54.

7d 16h

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like OLKF Oulanka, Finla, RAJF Raja-Jooseppi, etc.

IDC 07 16:16:36.8.2.2, 5.30N-124.42E, h0km, mb3.6/4, s-min=27.6km az=67.0, Mindanao

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

IDC 07 16:20:07.0.1.8, 7.89S-120.24E, h203km, 15km, mb3.3/5, mbtmp3.9/8, Error ellipse: s-maj=53.8km s-min=9.6km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WSI Waingapu, WBSI Waikabubak, Su, etc.

IDC 07 16:20:06.4.0.6, 8.10S:0.04:120.05E:0.05, h201km, n56, +r184/64, mb3.8/7, Flores region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BNSI Bona, SP5I Sidrap Palu, BATI Baumatra, etc.

2019 MAY

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BBOO, STKA Stephens Creek, ZALV Zalesovo Beam, etc.

BER 07 16:23:38.0.3.7, 80.16N:0.95W, h10km, mb(Pn)3.0, ML1.4(DNK), Confirmed Earthquake

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KBS Kingsbay, NOR Nord, BRBB Barentsburg B, etc.

ISC 07 16:23:27.6.0.8, 79.20N:0.07:2.42W:0.03, h10km, n23, +r192/33, Greenland Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPAA Spitsbergen Arr, DAG Danmarks Havn, HSPB Hornsund (broa), etc.

ISC 07 16:39:21.6.35, 12N-28E, h83km, ML2.6/17, NIC 07 16:39:21.7, 35.00N:28.98E, h33km, 38km, ML2.9/8

AFAD 07 16:39:24.3, 35.44N:28.65E, h17km, 1km, ML2.1, ATH 07 16:39:37.9, 35.69N:27.60E, h45km, 7km, ML2.2/3

Manual Solution by A.Papageorgiou First location: 2019/05/07 16:41:06, This location: 2021/05/22 20:47:14

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSL Kastellorizon, AKAS Kas, ARG Arkhangelos, etc.

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Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like ELL Elmali, TURN Turunc, CAME Camel-Denizli, etc.

NEIC 07 16:59:32.4.1.4, 17.8S:0.2:178.8W:0.2, h557km, 11km, mb4.4/27, Error ellipse: s-maj=29.4km s-min=17.3km

IDC 07 16:59:33.4.1.7, 17.63S:178.97W, h566km, 10km, mb3.3/11, mbtmp4.2/13, Error ellipse: s-maj=24.5km

ISC 07 16:59:32.0.1.6, 17.7S:0.1:178.9W:0.1, h550km, n54, +r080/53, mb4.3/26, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSVF Nonsavu, FUNA Funafuti, PINNC Pines Island, etc.

2019 MAY

7d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TORD, VDA, DBIC, QSPA, LPAZ, H03N2, H03N3, H03N1, NLVB, NVL, TROLL, BDFB, BDFB, GDU01, AQD02, SNAAX, SNAAX, VNA2, VNA3, VNA1, PLCA, PLCA, GUAI, PLTB.

7d 18h: 13.6:0.8, 8:88N, 127.40E, h0km, mb3.9/14, mbmp3.9/15, ML4.2/1, MS3.5/3, Error ellipse: s-maj=34.0km s-min=17.3km az=85.0 DJA 07 18:01:20.8:0.8, 9°N, 6°12'7E, h10km, M4.7/7, mB5.2/4, mB4.7/6, MLV4.7/7, Mw(mb)4.5/4 NEIC 07 18:01:20.9:1.6, 8:84N, 0:09:126.82E:0.06, h35km, 11km, mB4.5/3, Error ellipse: s-maj=14.6km s-min=10.2km az=167

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include IDC 07 18:01:19.9:0.5, 8:91N, 0:06:126.99E:0.10, h38km, n65, c144/61, mb4.4/30, Mindanao, DAV, DAV, DAV, DAV, TGY, TNTI, TNTI, TOLIZ, LUWU, LUWU, TTSI, SBUM, ASJ, SOEI, SOEI, MTN, KNRA, MDSI, KULM, FITZ, PMG, WBG, WBG, WRA, WRA, WRA, WRA, ASAR, ASAR, USRK, MORW, MORW, FORT, KLR, BBOO, SONM, MKAR, MKAR, MKAR, MAKZ, MAKZ, KDJ, ZAAO, ZALV, ZALV, KURCH, KURB, GAR, KK31, KKAR, KKAR, KKAR, TIXI, TIXI, BVAR, BVAR, BVK, BVK, NRK, NRK, BKZ, AB31, AB31, ABKAR, ABKAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ARTI, ARTI, D19K, D19K, B20K, E21K, B22K, B22K, RAYN, ILAR, D25K, I28M, I28M, G29M, FINES, NOA, YKA, YKA, TORD, TORD.

IDC 07 18:04:56.6:2.2, 19:55S, 177:70W, h565km, 22km, mb3.3/7, mbmp4.2/10, Error ellipse: s-maj=22.0km s-min=18.6km az=110.0 NEIC 07 18:04:56.7:1.0, 19:72S, 0:07:177:74:0.2, h551km, 11km, mb4.4/17, Error ellipse: s-maj=21.0km s-min=9.1km az=81.0

ISC 07 18:04:55.7:0.6, 19:55S, 0:11:177:69W:0:10, h550km, n40, c1503/40, mb4.2/14, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MSVF, NIUE, PINNC, DZM, URZ, RTZ, BKZ, WHZ, COEN, STKA, BBOO, JAY, WRR, WRR, WRA, WRA, AS31, ASAR, MTN, FORT, KNRA, FITZ, FITZ, FITZ, MBWA, MORW, GSPA, GSPA, BELA, ZALV, MKAR, KURB, ARCES, EKA, BUR08, BRTR, MMAI, GERES.

IDC 07 18:11:30.9:0.9, 6:21S, 142:50E, h0km, mb3.9/11, mbmp3.9/14, ML2.2/2, MS3.4/3, Error ellipse: s-maj=30.6km s-min=17.9km az=90.0 NEIC 07 18:11:35.1:1.3, 6:14S, 0:06:142:4E:0.1, h21km, 6km, mb4.5/4, Error ellipse: s-maj=16.4km s-min=5.8km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JAY, JAY, JAY, PMG, PMG, PMG, COEN, FAKI, MTN, WBD, WBD, WRR, WRR, WRA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA, WRA, KNRA, AS31, ASAR, ASAR, ASAR, ASAR, FITZ, FITZ, FITZ, PSA00, JHJ, KSRS, USRK, PETK, SONM, VDA, VDA, VDA, MKAR, MKAR, ZALV, KURB, BVAR, BRVK, ILAR, D23K, D23K, D24K, D24K, K27K, G26K.

WEL 07 18:29:47.6:0.9, 34°S, 8°17'9E, h292km, 13km, M3.6/11, MLV3.6/11, Error ellipse: s-maj=16.1km s-min=9.3km az=110.4, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MXZ, WNGZ, HAZ, HAZ, PKGZ, RUGZ, PUZ, TWGZ, MWZ, URZ, URZ, URZ, URZ, RAGZ, RAGZ, RAGZ, MUGZ, OUZ, RTZ, SNGZ, SNGZ, MHGZ, BKZ, BKZ, KRHZ, KRHZ, PNHZ, PNHZ, TSZ, GOWZ, GOWZ.

NEIC 07 18:52:44.9:1.1, 61:39N, 0:01:149:90W:0.04, h35km, 5km, Error ellipse: s-maj=3.2km s-min=1.4km az=124.0 AEIC 07 18:52:45.6:1.1, 61:38N, 0:02:149:90W:0.05, h36km, 11km, ML2.8, ML3.3/222, NEIC, Error ellipse: s-maj=3.4km s-min=2.1km az=147.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FIS, FIS, FIS, FIS, RC01, RC01, RC01, M22K, M22K, M22K, SUA, SUA, SUA, SUA, PMR, GHO.

Table with columns for station ID, name, elevation, and coordinates. Includes stations like GHO, KNK, SML, CAPN, SKLM, Q22K, PWL, STLK, SKT, CUT, M23K, SPUR, SEW, SCM, GLI, RDT, DFR, M20K, RDJH, BRK, RED, FID, P23K, PPLA, KLU, M24K, HIN, CNPM, DIV, TRF, RND, ILSW, L20K, EYAK, EYAK, M19K, KTH, CAST, P19K, MCK, MCK, HARP, O19K, O19K, L19K, BMRM, BMRM, PAX, WACK, K20K, BWN, M18K, HMT, N19K, SYI, SYI, KAIM.

Table with columns for station ID, name, elevation, and coordinates. Includes stations like K24K, Q19K, BERG, WRH, NEA2, SUCK, MENT, MCARA, MCARA, P18K, P18K, P18K, HDA, HDA, RIDG, L18K, CRQM, CRQM, K19K, CCB, CCB, J20K, J20K, M26K, M26K, L26K, L26K, L26K, TGL, TGL, TGL, DOT, DOT, DOT, WAX, WAX, WAX, PTPK, COLA, M17K, M17K, M17K, N17K, N17K, N17K, SNH, IL31, ILAR, J19K, KAHK, SCRK, SCRK, J23K, J18K, J25K, J25K, J25K, K24K, POKR, POKR, M27K, GRNC, GRNC, GRNC, L17K, MESA, YAH, YAH, YAH, L27K, BCAR, CTGN, CTGM, K17K, K17K, K17K, J26L, J26L, J26L, LOGN, LOGN, LOGN, M16K, M16K, M16K, H23K, H21K, OHAK, OHAK, H24K, H24K, H22K, PRP, PRP, PRP, L16K, L16K, L16K, H20K, J17K, J17K, J17K, O28M, O28M, O28M, PCA, I26K, I26K, H19K, H19K, H19K, N15K, J16K.

Table with columns for station ID, name, elevation, and coordinates. Includes stations like J16K, J16K, G23K, G23K, G23K, H18K, H18K, H18K, O15K, G24K, M29M, DAWY, I17K, K15K, Q29M, G19K, L29M, L29M, COLD, M14K, G18K, H14K, H14K, O14K, I28M, F21K, H27K, N30M, L14K, G25K, K29M, F24K, F20K, P29M, F19K, BMAR, F25K, G27K, J14K, E29K, CHGN, E24K, F26K, E25K, H29M, F17K, G30M, TOLK, E21K, G29M, E27K, F15K, N32M, C23K, B21K, FITZ, FITZ, FITZ, WRA, ASAR, MKAR, FITZ, FITZ, ASAR, MSVF, MKAR, TRN, FUNV, ISC, Code, Station Name, Az, Az2, Phase ID, Time, Res.

7d 20h

s-min=23.8km az=56.0
ISC 07 19:47:22.4.1.2.333N.0.2.94.7E.0.2.h35km,n7,o=05777,mb3.6/3,Qinghai

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h m s, ISC. Includes stations like MKAR Makanchi Array, SONM Sogingno Arr, KURBS Kurchatov Arr, etc.

ISC 07 20:00:08.9.5.4.1776Sx178.28W,h586km,525km,mb2.7/2,mbtmp3.6/3,Error ellipse: s-maj=206.9km s-min=40.4km az=147.0,Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h m s, ISC. Includes stations like MSVF Nonsavu, WRA Warramunga Arr, ASAR Alice Springs, etc.

DJA 07 20:04:05.3.0.4.10°S:4°11'E, h10km, M4.4/19, mb4.4/4, MLV4.3/7
NEIC 07 20:04:07.6.2.4.9.39S:0.06:1.12.07E:0.05, h50km,6km, mb4.2/1.4, Error ellipse: s-maj=9.3km s-min=7.1km az=170.0

ISC 07 20:04:08.4.2.6.9.13S:112.25E, h49km,28km, mb3.6/8, mbtmp3.8/10, ML3.6/2, MS3.1/5, Error ellipse: s-maj=42.4km s-min=14.2km az=43.0

ISC 07 20:04:06.3.0.5.9.55S:0.07:1.12.05E:0.04, h40km, n69, a=169/67, mb4.2/16, South of Jawa

Large table of station data for the South of Jawa region, including stations like PCJI Pacitan, GMJI Gumukmas, UGM Wanagama, etc.

2019 MAY

Table of seismic events for May 2019, including stations like MAW Mawson, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

ISC 07 20:14:18.6.0.8.2.1°N:144.38E, h0km, mb3.8/12, mbtmp3.8/14, ML3.2/2, MS3.0/3, Error ellipse: s-maj=29.0km s-min=17.9km az=83.0

ISC 07 20:14:24.0.9.2.1°N:144.38E:0.2, h35km, n23, a=071/15, mb3.7/12, Mariana Islands region

Table of seismic events for the Mariana Islands region, including stations like JCJ Chichijima, WRA Warramunga Arr, etc.

ISC 07 20:25:22.6.0.9.3°95N:92°64E, h0km, mb3.8/12, mbtmp3.8/14, ML4.1/2, MS3.8/4.7, Error ellipse: s-maj=29.0km s-min=19.3km az=49.0

NEIC 07 20:25:22.0.1.1.3.80N:0.07:92.67E:0.07, h10km,1km, mb4.4/5.1, Error ellipse: s-maj=13.2km s-min=10.6km az=230.0

DJA 07 20:25:22.4.1.4.4°N:4°9'E, h19km,11km, M4.9/21, mb4.8/21, mb5.4/7, MLV5.0/10, Mw(mb)4.9/7

GCMT 07 20:25:26.0.0.5.3.80N:0.02:92°50E:0.03, h12km,2km, MW4.7/78, Moment Tensor Solution, s8,c9: s78,c107; Duration: 0. Moment tensor: Scale: 1016Nm; Mr=0.02:0.7; Mw=0.42:0.6; Ms=0.45:0.7; Ml=0.24:0.20; Mw=1.18:0.7; Ms=0.42:21; Best double couple: Ml1.34700x1016 NP1:0.101.00000°, 0.71.00000°, A=-174.00000°. NP2: 0.9.00000°, 0.84.00000°, A=-20.00000°. Principal axes: T 1.3060, Plg9.0000°, Azm57.0000°; N 0.0820, Plg70.0000°, Azm174.0000°; P -1.3880, Plg18.0000°, Azm324.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 07 20:25:25.3.0.4.3.75N:0.05:92.67E:0.04, h35km, n156, a=22/125, mb4.3/37, MS3.9/52, 1D, Off west coast of northern Sumatra

Table of station data for the northern Sumatra region, including stations like BSI Banda Aceh, MLSI Meulaboh, LHMI Lhok Sumawe, etc.

Large table of station data for the northern Sumatra region, including stations like SRIT Nakansritamara, PPI Padang Panjarang, KSI Kapahiang, etc.

7d 23h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like G31M Satah River, C26K Camden Bay, INK Inuvik, etc.

TXNET 07 21:54:39.6, 31.7N, 0.5, 104.3W, 0.6, h5km, 2km, ML2.5/13, Error ellipse: s-maj=0.9km s-min=0.7km az=54.8, final, Western Texas

Main table listing station codes (e.g., TPB11, PCOS, CBET) and their corresponding station names, coordinates, and operational status.

ADC 07 21:55:17.0, 13.0, 31.00N, 130.35E, h153km, 119km, mb3.3/11, mtbtp3 az=71.1, Error ellipse: s-maj=70.6km s-min=18.9km az=70.0

JMA 07 21:55:18.3, 30.1, 30.9N, 0.4, 130.3E, 0.6, h145km, 1km, MV3.4/35, NEAR TANEGASHIMA ISLAND

ISC 07 21:55:17.1, 0.7, 30.90N, 0.06, 130.22E, 0.09, h153km, 6km, n21, c050/31, mb3.4/11, Kyushu

Continuation of the station list table, including stations like JKC Kuchinoerabu, JSU Suzuyama, JTSR Tashiro 2, etc.

2019 MAY

Table listing station codes (HFS, BRTR, NOA) and their corresponding station names, coordinates, and operational status.

ADC 07 22:20:37.6, 3.0, 8.29S, 112.91E, h0km, mb3.2/3, mtbtp3.2/3, Error ellipse: s-maj=171.8km s-min=29.7km az=48.0

DJA 07 22:20:40.0, 1.0, 9.5S, 4.11E, h10km, 9km, M3.9/10, mb4.7/3, MLV3.5/10

ISC 07 22:20:37.8, 1.3, 9.3S, 0.1, 112.02E, 0.07, h10km, n11, c127/13, mb3.2/3, South of Jawa

Main table listing station codes (PCJ, NGJI, UGM, etc.) and their corresponding station names, coordinates, and operational status.

ADC 07 22:32:20.9, 6.8, 4.97N, 76.31W, h14km, 33km, mb3.3/2, mtbtp3.6/2, Error ellipse: s-maj=138.9km s-min=36.9km az=24.0

RSNC 07 22:32:20.6, 0.0, 5.1N, 1.7, 76W, h90km, 2km, M3.3, mb4.1, m85.0, ML3.1, Mw(m)B.3

ISC 07 22:32:19.5, 0.9, 4.97N, 76.35W, 0.03, h97km, 7km, n45, c1848/85, Colombia

Continuation of the station list table, including stations like NIZA, CBOS, YOTC, etc.

356

Main table listing station codes (PARAL, PARAL, PARAL, etc.) and their corresponding station names, coordinates, and operational status.

8d 0h

Table with columns for station ID, name, frequency, and signal strength. Includes stations like NACB, SEY, SSLB, BTO, etc.

2019 MAY

Table with columns for station ID, name, frequency, and signal strength. Includes stations like C23K, E23K, H23K, TOLK, etc.

358

Table with columns for station ID, name, frequency, and signal strength. Includes stations like WRA, YKAW, YKA, YKA1, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NORARS Subarra, MALIN Array Be, AKASG Malin Array Be, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ZVC Zvikov, MOX Moxa, RAYN Ar Rayn, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like JTM Ermo, JEM Ermo, JOT JOT, etc.

NIED 08 00:22:30.1, 40.69N, 142.70E, h21km, MW4.0, Moment Tensor Solution, s3 Moment tensor: Scale 10^5Nm, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like PLK1 Peulik 1, PLK2 Peulik 2, etc.

8d 1h

Table of station data for 8d 1h, including columns for station name, coordinates, and various parameters like Pn, P, S, Sb, IAML, LR, and time/responses.

2019 MAY

Main table of station data for 2019 MAY, including columns for station name, coordinates, and various parameters like Pn, P, S, Sb, IAML, LR, and time/responses.

360

Table of station data for 360, including columns for station name, coordinates, and various parameters like Pn, P, S, Sb, IAML, LR, and time/responses.

mb4.7/29, Error ellipse: s-maj=14.6km s-min=13.4km az=79.0
NOU 08 01:42:42.6, 19:93S:169:39E, h89km, mb4.8/29, Vanuatu Islands
IDC 08 01:42:43.1, 1.8, 20:00S:169:31E, h112km, 15km, mb4.0/11, mbtmp4.4/14, MS3.4/8, Error ellipse: s-maj=18.1km s-min=13.9km az=143.0, ISC 08 01:42:40.0, 4.0, 19:95S:0:07, h100km, n122, s17/115, mb4.5/26, 5D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Rows include stations like INH Isangel, MARNC Mare, Loyalty, MARNC Mare, Loyalty, DVP Devils Point, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Rows include stations like VNA3 Neumayer Olymp, NVAR Milna, VNA2 Neumayer-Watz, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Rows include stations like ADES Nigde/Merkez-G, NIDE Nigde, NIDE Nigde, etc.

OSPL 08 01:46:15.4, 1.0, 18:32N:70:36W, h8km, 11km, ML2.2
SDD 08 01:46:17.4, 1.6, 18:34N:70:44W, h15km, 7km, MD2.6, ML1.9, MW2.1

ISC 08 01:46:15.5, 1.3, 18:20N:0:07, 70:39W, 0:04, h15km, 8km, n9, s15/917, 7C-3D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Rows include stations like BANI BANI, BANI BANI, BANI BANI, etc.

ISK 08 01:58:33.3, 37:29N:36:27E, h11km, ML3.8/43
NAO 08 01:58:33.9, 37:29N:36:26E, h10km, mb3.5, IDC 08 01:58:33.4, 1.0, 37:33N:36:19E, h0km, mb3.8/12, mbtmp3.8/18, ML3.2/6, MS2.9/2, Error ellipse: s-maj=18.6km s-min=16.1km az=46.0

AFAD 08 01:58:33.5, 37:30N:36:23E, h11km, 3km, MW3.8
GII 08 01:58:34.0, 0.0, 37:324N:0:003:36:105E:0:001, h2km, MWS3.9, confirmed

ISC 08 01:58:33.9, 1.0, 37:33N:0:02, 36:28E:0:02, h6km, 7km, n135, s0/97/161, mb3.7/11, Turkey

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Rows include stations like ANDN Andirir, ANDN Andirir, KAMA Osmaniye, etc.

OSPL 08 01:46:15.4, 1.0, 18:32N:70:36W, h8km, 11km, ML2.2
SDD 08 01:46:17.4, 1.6, 18:34N:70:44W, h15km, 7km, MD2.6, ML1.9, MW2.1

ISC 08 01:46:15.5, 1.3, 18:20N:0:07, 70:39W, 0:04, h15km, 8km, n9, s15/917, 7C-3D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Rows include stations like FITZ Fitzroy Crossi, PSA00 Pilbara Seismi, MBWA Marble Bar, etc.

OSPL 08 01:46:15.4, 1.0, 18:32N:70:36W, h8km, 11km, ML2.2
SDD 08 01:46:17.4, 1.6, 18:34N:70:44W, h15km, 7km, MD2.6, ML1.9, MW2.1

ISC 08 01:46:15.5, 1.3, 18:20N:0:07, 70:39W, 0:04, h15km, 8km, n9, s15/917, 7C-3D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Rows include stations like ANDN Andirir, ANDN Andirir, KAMA Osmaniye, etc.

OSPL 08 01:46:15.4, 1.0, 18:32N:70:36W, h8km, 11km, ML2.2
SDD 08 01:46:17.4, 1.6, 18:34N:70:44W, h15km, 7km, MD2.6, ML1.9, MW2.1

ISC 08 01:46:15.5, 1.3, 18:20N:0:07, 70:39W, 0:04, h15km, 8km, n9, s15/917, 7C-3D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Rows include stations like RSDY Resadiye-TOKAT, KONT Konya-Tatoy, KONT Konya-Tatoy, etc.

OSPL 08 01:46:15.4, 1.0, 18:32N:70:36W, h8km, 11km, ML2.2
SDD 08 01:46:17.4, 1.6, 18:34N:70:44W, h15km, 7km, MD2.6, ML1.9, MW2.1

ISC 08 01:46:15.5, 1.3, 18:20N:0:07, 70:39W, 0:04, h15km, 8km, n9, s15/917, 7C-3D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Rows include stations like BLGI Bet Lehem HaGe, BLGI Bet Lehem HaGe, OFRI Ofer, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, SPITS Spitsbergen Ar, YKA Yellowknife Ar.

MRB 08:02:15:14.3:0.3, 42.59N:0.92E, h4km, g6km, ML-0.5, Error ellipse: s-maj=3.0km s-min=1.2km az=298.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CARA Val d'Aran, CEST Estერი de Car, SALF Salau, CSOR Sort, CTRE Tremp, MTS Moulis, MLS.

MDD 08:02:16:17.5:0.6, 39.59N:12.20W, h70km, Mb4.0/52, Error ellipse: s-maj=5.0km s-min=3.5km az=66.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMAFR Mafra, LIS Lisbon.

ISG 08:02:16:17.7:0.9, 39.50N:12.20W, h70km, ML3.0 INMG 08:02:16:19.4:1.3, 39.59N:12.20W, h22km, ML2.7, Error ellipse: s-maj=5.2km s-min=2.7km az=85.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LIS Lisbon, PSBE So Bento, PCAS Casmilo, COI Coimbra, PMTG Montargil, PTEO Sao Teotónio.

EVO Evora, EVO Evora, EVO Evora, EVO Evora, EVO Evora, PVIS Viseu, MESJ Messejana, MESJ.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MESJ Messejana, MORF Marmelete, MORF Marmelete, PFVI Vila Bisbo.

PESTR Estremoz, PESTR Estremoz, PCBR Castelo Branco, MTE Manteigas, MTE Manteigas, EZAM Zamans, EZAM.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PBEJ Beja, PBEJ Beja, PMRV Marv??o, PMRV Marv??o, PMRV Marv??o.

PCVCE Castro Verde, PCVCE Castro Verde, PCVCE Castro Verde, PCVCE Castro Verde, PCVCE Castro Verde, PCVCE Castro Verde, PCVCE Castro Verde, PCVCE Castro Verde.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like POLO Lamas de Olo, POLO Lamas de Olo, POLO Lamas de Olo, POLO Lamas de Olo.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like POLO Vila Real, PVRL Vila Real, PVRL Vila Real, PVRL Vila Real, PVRL Vila Real, PVRL Vila Real, PVRL Vila Real, PVRL Vila Real.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PCAB Cabril, PCAB Cabril, PCAB Cabril, PCAB Cabril, PCAB Cabril, PCAB Cabril, PCAB Cabril, PCAB Cabril.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ELOB Lobios, ELOB Lobios, ELOB Lobios, ELOB Lobios, ELOB Lobios, ELOB Lobios, ELOB Lobios, ELOB Lobios.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve, EBOB Barranco-do-Ve.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRBB Barentsburg B, BRBB Barentsburg B, BRBB Barentsburg B, BRBB Barentsburg B, BRBB Barentsburg B, BRBB Barentsburg B, BRBB Barentsburg B, BRBB Barentsburg B.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar.

NAO 08:02:34:55.2:1.9, 79.47N:3.18E, ML2.9 BER 08:02:34:58.2:2.9, 79.42N:3.39E, h10km, mb(Ph)3.6, ML2.9(NAO), Confirmed Earthquake

DKN 08:02:34:59.2:1.7, 79.39N:3.56E, h36km, 18km, ML1.4 KOLA 08:02:35:00.7:2.6, 79.65N:3.94E, h0km, ML2.3, Error ellipse: s-maj=80.4km s-min=15.7km az=40.0, Greenland sea, Knipovich ridge, north

FCIAR 08:02:35:02.0:79.14N:3.28E, h10km, station ZF12 has station magnitude of 3.20 station OMEGA has station magnitude of 3.20

ISC 08:02:34:54.7:1.1, 79.40N:0.07:3.33E:0.05, h10km, m34, c274/59, 2C, Greenland Sea

ISK 08:02:50:39.5, 39.29N:27.71E, h12km, ML3.5/85 AFAD 08:02:50:39.8, 39.29N:27.70E, h19km, MW3.4 ATH 08:02:50:40.9, 39.23N:27.68E, h16km, 7km, ML3.2/8, Manual Solution by F. Xalaris First location: 2019/05/08 02:52:06, This location: 2020/10/03 08:30:53 ML

Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 3 km; Longitude uncertainty: 6 km

SOF 08:02:50:41.8, 39.5N:0.2:27.7E:0.1, h13km, 31km, MD3.5/7 CFUSG 08:02:50:44.8, 39.69N:27.73E, h33km, mb2.6/2, Western Turkey Magtype MSH 3.0 from 3 stations

ISC 08:02:50:40.3:0.8, 39.28N:0.02:27.71E:0.02, h17km, 5km, n144, c09/9/173, 9C-11, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STEP BALKESIR_Sava, SOMA Soma-Manisa, SOMA Soma-Manisa, SOMA Soma-Manisa, SOMA Soma-Manisa, SOMA Soma-Manisa, SOMA Soma-Manisa, SOMA Soma-Manisa.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, s, ISC. Lists various seismic stations and their parameters.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, s, ISC. Lists various seismic stations and their parameters.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, s, ISC. Lists various seismic stations and their parameters.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, s, ISC. Lists various seismic stations and their parameters.

8d 3h

Table of astronomical observations for 8d 3h, listing station names, coordinates, and observation details.

2019 MAY

Table of astronomical observations for 2019 MAY, listing station names, coordinates, and observation details.

364

Table of astronomical observations for 364, listing station names, coordinates, and observation details.

8d 4h

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Grand Turk, Hato Mayor del, Bahía de las A, El Cajuli, Ovi, Miches, Punta Cana, DR, Miasc, Quimbué, Nuevo Mundo, Moa, Guanantamo Bay, Cerrillos, etc.

IDC 08 04:17:49.4-8.1, 16.11N-91.32W, h0km, mb3.8/2, mbmp3.6/3, ML3.0/2, Error ellipse: s-maj=140.5km s-min=47.0km az=169.0

GCG 08 04:17:59.0-2.2, 17.16N-91.74W, h5km, 16km, MD4.7 CATAO 08 04:17:59.8-0.9, 18.1N-92.9W, 1.9, h1km, M4.5/10, mb4.5/3, mb4.8/3, MLV4.5/10, Mw(mB)4.0/3, Error ellipse: s-maj=47.3km s-min=11.6km az=60.1, confirmed

MEX 08 04:18:01.8-1.1, 17.28N-91.69W, h22km, MD4.1 ISC 08 04:17:59.6-1.9, 17.21N-91.003-91.78W, h8km, 14km, n44, c176/58, 1C, Mexico-Guatemala border region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Comitán, Sabancuy, Flores, Huehuetenango, PAVE, PATR, COBAN, THIG, CATARINA, IZABA, ESQUIPULAS, MONTECRISTO, SLOZ, NUBES, MARCELA LA PAZ, TXAR, MINA ARRAY BEA, YKAW, etc.

SOME 08 04:22:43.9, 41.75N-75.93E, h10km KNET 08 04:22:43.7-0.9, 41.78N-75.81E, h0km, ml2.0, Error ellipse: s-maj=6.4km s-min=3.6km az=168.0

2019 MAY

KRNET 08 04:22:43.2-0.1, 41.73N-75.92E, h17km, mb2.8 NNC 08 04:22:45.0-0.7, 41.79N-75.96E, h0km, mb3.7, mpv3.5, Error ellipse: s-maj=4.6km s-min=3.3km az=168.0

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Naryn, Ulaloh, Boomsokoye usch, Kajisaj, Karagaybulak, Aral, Tokmak 2, KST, AAK, TARG, MTBS, TNSH, TNS, DGS, CHMS, MDOK, AML, KOTS, SALK, EKSE, MRKS, CHHK, SATY, ZHN, KURS, SFK, MNAS, UZB, ARXS, BLB, etc.

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KK31 Karatay Array 4.23 291 Pg Pg 04 24 02.0 -2.1 0.6nm, 0.4s, baz=104, slow=15, SNR=5.1

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Santa Rosalia, Guaymas, Bahia Kino, San Francisqui, etc.

IDC 08 04:44:39.9-18.0, 27.29S; 178.04W, h153km, 162km, mb3.7/8, mbmp4.2/8, Error ellipse: s-maj=67.4km s-min=18.6km az=66.0

ISC 08 04:44:41.8-0.6, 27.52S-179.4W, 0.1, h150km, n43, c290/50, mb3.9/8, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Raoul Island, Green Lake, Nonsavu, Matakaoa Point, Waiomatatini S, Raukumara Rang, Puketiti, Tauwharepareae, Matakai, Urewera, Urewera, Rawiraka, Murupara, Rimuhua, Ruatahunua, Shannon Statio, Paritu Road, Kokohu, Maungataniwha, Asahi Springs, Naumai, Black Stump Fm, Kaweka Forest, Kahuranaki, Pukenui, Chatham Island, Warramunga Arr, Vnda, GSPA, MJAR, SNA, PETK, USRK, ARCES, FINES, NOA, HFS, AKASG, BRTR, etc.

NEIC 08 04:56:59.0-1.3, 55.94N-149.9W, 0.1, h9km, 7km, ML3.6/56, ML3.4(AEIC), Error ellipse: s-maj=12.5km s-min=8.2km az=157.0

AEIC 08 04:57:04.3-1.2, 55.97N-150.10W, 0.1, h10km, 8km, Error ellipse: s-maj=14.4km s-min=8.8km az=162.0

ISC 08 04:56:59.6-1.6, 55.04N-149.94W, 0.07, h10km, n108, c194/47, Gulf of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Old Harbor, Katmai Hook G, Kodiak Island, Sitkinak Islan, Sitkinak Islan, Shuyak Island, Karluk, Chirikof Islan, Chirikof Islan, Cape Douglas, China Pool, Chirikof Islan, Katmai Knife C, Acha Creek Heg, Bradley Lake S, etc.

Table with columns: BRSE, HOM, BRBK, KAHC, KANTC, P19K, SEW, P23K, ILSW, P18K, O22K, SLKM, RED, P17K, H1N, O18K, O19K, KAIM, PWL, EYAK, EYAK, RO01, GLI, HMT, N19K, KNK, DIV, PMR, N18K, O16K, CHNA, KHIT, BMRM, WAX, KLU, M23K, CRQM, SCM, SDPT, SDPT, TGL, YAH, O15K, N25K, RKAV, GRNC, N16K, MCARA, PTPK, PCA, WACK, M17K, CTGM, PNL, PNL, LOGN, BCPM, PS4A, N15K, M16K, PAX, O29M, RND, P29M, YUK8, KTH, YUK3, M27K, S31K, YUK6, ISLZ, ISN9, N30M, M29M, CCB, JIS, L31, COLA, J26L, L29M, K29M. Includes station names, coordinates, and seismic data.

WEL 08 04:58:49.6±0.9,31°S±5'177E±1',h12km,M4.2,8mB4.5/4, ML4.6/12,MLV4.4/8,Mw(MB)3.7/4, Error ellipse: s-maj=4.6km s-min=4.6km az=112.2,confirmed,North of New Zealand

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

Table with columns: NGZ, FWVZ, KAHZ, KAHZ, PZXZ, PAVANU. Includes station names, coordinates, and seismic data.

IDC 08 05:10:13.5±3.7,54.1°N±1.9N:86.43E,h0km,mbtmp3.5/2, ML2.3/2, Error ellipse: s-maj=33.2km s-min=20.5km az=47.0

ASRS 08 05:10:13.0±10.8,54.1°N±1.4N:87.13E,h0km,M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists seismic stations for the IDC event.

TXNET 08 05:18:59.0,32.1°N±0.6:102.6W,0.6,h8km,1km,ML1.8/6, 1C-1D, Error ellipse: s-maj=1.0km s-min=0.9km az=116.5,final,Western Texas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists seismic stations for the TXNET event.

ASRS 08 05:30:06.0±1.0,54.1°N±1.4N:86.43E,h0km,M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 08 05:30:08.6±2.6,54.1°N±1.1N:86.47E,h0km,mbtmp3.0/2, ML2.6/2, Error ellipse: s-maj=20.4km s-min=12.5km az=61.0, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists seismic stations for the IDC event.

IDC 08 05:34:26.1±0.6,8°4N:126.81E,h0km,mb4.2/20, mbtmp4.2/21,ML4.4/1,MSK4.1/5, Error ellipse: s-maj=25.3km s-min=12.5km az=81.0

DJA 08 05:34:27.3±1.9,9°N:15°12'7E, h99km,26km,M5.0/10, mb4.9/10,mb5.2/3,MLV5.2/7,Mw(MB)4.5/3

BUI 08 05:34:32.8,8°50N:126°56E,h73km,mb5.0/9,mb4.7/25, Ms4.1/2, Ms7.4/0.3

NEIC 08 05:34:33.8±1.5,8°7N:0°08:126°57E±0.05,h42km,8km, mb4.7/49, Error ellipse: s-maj=13.2km s-min=5.1km az=208.0

ISC 08 05:34:32.1±0.4,8°24N:0°06:126°67E±0.09,h35km,n111, ±182°93,mb4.6/53,MS3.4/12,Minnao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists seismic stations for the NEIC event.

Large table listing seismic stations with columns: COEN, KSRS, CMAR, WBO, MJAR, WRA, WRB, PSAO, ASAR, HHC, HHC, USRK, SHL, ASAJ, HNR, HEH, ULN, BBOO, SONM, SONM, NWAO, STKA, STKA, STKA, MAKZ, MAKZ, MAJ, KAJIS, ZAAO, ZALV, ZALV, AAK, KURK, KURK, KURB, GAR, KARAT, KK31, KKAR, TIXI, BVAR, BVAR, BRVK, NRIK, NRIK, AB31, ABKAR, ABKAR, AKTO, E19K, D20K, B21K, RAYN, RAYN, C23K, CHAND, D24K, ILAR, MENT, K27K, E28M, I28M, H29M, EPYK, I30M, I30M, ARCES, BRTR, PPT, PPT2, FINES, TBI. Includes station names, coordinates, and seismic data.

8d 7h

Table with columns: Station Name, Time, Res, Phase ID, etc. Includes stations like AK07 Malin Array Si, AK16 Malin Array Si, AK14 Malin Array Si, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like STG5 El Palmar, Qui, STG0 El Palmar, Qui, STG0 STGO, etc.

ASRS 08 05:55:21.0±1.5, 54°01'N-86°62'E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 08 05:55:21.9±3.1, 53°97'N-86°77'E, h0km, mbtmp2.5/2, ML2.3/2, Error ellipse: s-maj=26.2km s-min=15.3km az=63.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

NOU 08 05:55:50.5±22.0S-170°40'E, h0km, MLV3.8/10, Southeast of Loyalty Islands, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, INH Isangal, etc.

IDC 08 06:26:56.3±3.4, 54°21'N-87°28'E, h0km, mbtmp2.7/2, ML2.5/2, Error ellipse: s-maj=31.3km s-min=19.3km az=50.0

ASRS 08 06:26:55.0±1.2, 54°17'N-87°06'E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021. Southwestern Siberia

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

OSPL 08 06:27:58.9±1.0, 18°36'N-70°72'W, h4km, 9km, ML1.8 SDD 08 06:27:59.2±2.3, 18°39'N-70°70'W, h24km, 23km, MD2.6, ML2.1, MVW2.7

IDC 08 06:27:56.2±1.2, 18°35'N-0°04'-70°70'W, h19km, 3km, n14, -0975/23, 12C-4D, Dominican Republic region

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

2019 MAY

Table with columns: Station Name, Time, Res, Phase ID, etc. Includes stations like HATOM Port-au-Prince, PAPH PAPH, PAPH PAPH, etc.

CATAC 08 06:38:34.0±0.6, 13°N-3°8'9W±1, h24km, 4km, M2.9/24, MLV2.9/24, Error ellipse: s-maj=6.9km s-min=3.3km az=16.3, confirmed

SNET 08 06:38:34.0±1.0, 12°18'N-88°96'W, h14km, 999km, ML2.6 GCG 08 06:38:35.8±1.0, 13°03'N-88°95'W, h50km, 18km, MD3.7 ISC 08 06:38:34.4±1.1, 12°19'N-0°07'-88°97'W, h2km, 13km, n64, -0936/70, Off coast of Central America

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like TECO Alcatraz de Te, TECO Alcatraz de Te, TECO Alcatraz de Te, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like COEG Centro de Oper, COEG Centro de Oper, COEG Centro de Oper, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like LOMA Loma Larga, LOMA Loma Larga, LOMA Loma Larga, etc.

ASRS 08 06:57:55.2±1.3, 71°N-0°5'-104°3'W, h5km, 2km, ML2.1/9, 1C-1D, Error ellipse: s-maj=1.0km s-min=0.7km az=62.8, final, Western Texas

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like TPB11 China Draw, TPB11 China Draw, TPB11 China Draw, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like JAYA Jayaque - finc, JAYA Jayaque - finc, JAYA Jayaque - finc, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like LCND La Caada, LCND La Caada, LCND La Caada, etc.

ASRS 08 07:00:58.0±1.3, 54°20'N-86°39'E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 08 07:01:02.9±5.9, 54°19'N-86°47'E, h0km, mbtmp2.5/2, ML2.4/2, Error ellipse: s-maj=21.9km s-min=13.1km az=63.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

IDC 08 06:55:08.7±1.1, 18°64'S-65°52'E, h0km, mb3.9/11, mbtmp3.9/11, MS3.7/24, Error ellipse: s-maj=41.0km s-min=22.3km az=72.0

ISC 08 06:55:11.2±1.2, 18°65'S-65°52'E, h15km, n36, -0544/11, mb4.0/11, MS3.8/24, Mauritius-Reunion region

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like H04N1 CROZET ISLANDS, H04N2 CROZET ISLANDS, H04N3 CROZET ISLANDS, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like PALK Pallekele, LSZ Lusaka, LBTB Lobatse, etc.

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, etc.

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Table with columns: Station Name, Time, Res, Phase ID, etc. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, etc.

ASRS 08 07:00:58.0±1.3, 54°20'N-86°39'E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 08 07:01:02.9±5.9, 54°19'N-86°47'E, h0km, mbtmp2.5/2, ML2.4/2, Error ellipse: s-maj=21.9km s-min=13.1km az=63.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

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

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like TXS1 Lajitas Ar. Si, TXS1 Lajitas Ar. Si, TXS1 Lajitas Ar. Si, etc.

ASRS 08 07:00:58.0±1.3, 54°20'N-86°39'E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 08 07:01:02.9±5.9, 54°19'N-86°47'E, h0km, mbtmp2.5/2, ML2.4/2, Error ellipse: s-maj=21.9km s-min=13.1km az=63.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

ASRS 08 07:06:34.0±1.1, 54°33'N-86°88'E, h0km, M2.9, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021. Southwestern Siberia

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

ASRS 08 07:14:35.0±1.6, 54°12'N-86°49'E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 08 07:14:37.4±2.8, 54°12'N-86°41'E, h0km, mbtmp2.7/2, ML2.2/2, Error ellipse: s-maj=23.3km s-min=14.4km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

ASRS 08 07:14:35.0±1.6, 54°12'N-86°49'E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 08 07:14:37.4±2.8, 54°12'N-86°41'E, h0km, mbtmp2.7/2, ML2.2/2, Error ellipse: s-maj=23.3km s-min=14.4km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

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

Table with columns: Code, Station Name, Time, Res, Phase ID, etc. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

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

IDC 08 07:34:27.1-2.7, 53°32'N-86°46'E, h0km, mbtmp2.5/2, ML2.2/2, Error ellipse: s-maj=22.1km s-min=13.0km az=68.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Kurchatov Arra, MKAR Makanchi Arry.

NEIC 08 07:38:35.7-2.6, 17°56'N-173°28'W, 0.09, h90km, 8km, mb4.7/24, Error ellipse: s-maj=21.8km s-min=13.0km az=180.0

IDC 08 07:39:37.4-0.7, 18°10'S-174°03'W, h58km, 6km, mb4.0/13, mbtmp3.9/3, MS3.6/29, Error ellipse: s-maj=21.7km s-min=15.5km az=129.0

NOU 08 07:38:38.0, 18.46S, 173.37W, h38km, mb4.7/14, Tonga Islands

ISC 08 07:38:33.7-0.4, 18°28'S-173°70'W, 0.06, h35km, n109, c3937/70, mb4.7/27, MS3.6/27, Tonga Islands

Main table of station data for the first section, including stations like NIUE Niue, LKBA Tubou, DGTI Dogotau, MSFV Nonsavu, etc.

Main table of station data for the second section, including stations like QSPA South Pole Qui, QSPA South Pole Qui, JNU Nakatsue, ASAJ Asahikawa, etc.

Main table of station data for the third section, including stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Kurchatov Arra, MKAR Makanchi Arry, etc.

8d 9h

MKAR Makanchi Array 8.11 206 Pn Pn 08 09 26.6 +2.0

TRN 08:08:30.4, 19:21N-60:43W, h37km, MD4.1, Far North-east of Barbuda, Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ANWB Willy Bob, ANWB Bethesda, ANWB Saint Kitts, etc.

IDC 08:12:00.4:1.7, 5:67S, 148:48E, h155km, 18km, mb3.5/7, mbtmp3.9/9, Error ellipse: s-maj=49.8km s-min=12.7km az=114.0

NEIC 08:12:02.7:1.2, 5:63S, 0:08:148:5E:0.2, h163km, 11km, mb4.2/11, Error ellipse: s-maj=30.5km s-min=11.3km az=94.0

ISC 08:12:01.9:0.8, 5:69S, 0:07:148:6E:0.2, h163km, n27, r18/29, mb4.2/13, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MANU Manas Island, PMG Port Moresby, COEN Coen, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include IL31, ILAR Eielson Array, H24K Noodor Dome, J25K Salcha River, etc.

SJA 08:08:14:13.5:0.6, 36:63S:73:65W, h16km, 3km, ML3.8, MW3.9

IDC 08:14:19.2:1.1, 37:07S:74:11W, h0km, mb3.2/2, mbtmp3.3/3, ML3.6/1, Error ellipse: s-maj=72.8km s-min=21.1km az=62.0

GUC 08:14:17.8:0.5, 36:77S:73:41W, h21km, 1km, ML3.7

ISC 08:14:19.1:1.5, 36:68S:0:03:73:46W:0.07, h10km, 8km, n39, r190/50, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BI05 Punta Hualpin, BI05 Punta Hualpin, BI02 San Fabin de, etc.

2019 MAY

Main table with columns: LR03, LR03, LR04, GO06, MT01, MT01, etc. Includes station names like Corral, Curarehue, Popeta, etc.

TXNET 08:08:45:47.3, 31°N, 1°13'W, h0km, 1km, ML1.5/7, 1D, Error ellipse: s-maj=1.9km s-min=1.2km az=50.0, final, Western Texas

Table with columns: PC05, PC05, TPB07, TPB07, etc. Includes station names like Crockett Middl, Mentone, etc.

IDC 08:08:56:22.3:1.6, 37:29N:71:96E, h0km, mb3.7/6, mbtmp3.6/12, ML3.2/6, MS2.9/4, Error ellipse: s-maj=27.1km s-min=26.8km az=50.0

ISC 08:08:56:25.1:1.2, 37:35N:0:17:72.0E:0.2, h0km, n16, r03/15, mb3.7/6, 1C, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AAK Ala-Archa, AAK Ala-Archa, KK31 Karatay Array, etc.

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Table with columns: NOA NORSAR Array B, INK Inuvik, YKA Yellowknife Arr, WRA Warramunga Arr, etc.

IDC 08:08:57:05.1:3.6, 53:61N:87:88E, h0km, mbtmp2.5/2, ML2.3/2, Error ellipse: s-maj=34.7km s-min=19.5km az=52.0

ASRS 08:08:57:01.0:1.1, 53:64N:87:96E, h0km, M2.4, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

NOU 08:08:58:11.3:2.1, 72S:170:11E, h0km, mb1.6/11, Southeast of Loyalty Islands

IDC 08:08:58:15.9:7.3, 19:84S:169:22E, h87km, 75km, mb3.2/2, s-min=48.5km az=152.0

ISC 08:08:58:12.9:1.7, 21:6S:0:3:170:2E:0.1, h100km, n25, r18/20, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MARC Mare, Loyalty, MARC Mare, Loyalty, PINNC Pines Island, etc.

WRA Warramunga Arr 33.50 266 P 08 04 40.9 +2.2

EKA Ekdalmeir Arr 145.92 353 PKP 09 17 41.2 +1.5

GERES GERES Array B 146.95 331 PKPbc 09 17 42.2 +0.4

ASRS 08:08:58:51.0:0.8, 54:10N:86:47E, h0km, M2.5, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 08:08:58:53.4:2.6, 54:13N:86:54E, h0km, mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=22.5km s-min=13.2km az=56.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

IDC 08:08:59:27.3:1.5, 25:67N:141:30E, h164km, 16km, mb3.5/4, mbtmp4.1/6, Error ellipse: s-maj=40.9km s-min=19.1km az=88.0

JMA 08:08:59:29.5:2.0, 26:14N:141:1E, h119km, MV4.4/16, (OTO) ISLANDS REGION

ISC 08:08:59:26.9:1.1, 25:71N:0:09:140:9E:0.1, h150km, n13, r237/20, mb3.8/4, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JHH2 Haha-jima-NKT2, JHH2 Chichi jima, etc.

IDC 08:09:02:19.6:9.3, 24:47S:179:84W, h465km, 88km, mb3.3/6, mbtmp4.2/7, Error ellipse: s-maj=71.3km s-min=22.7km az=43.0

NEIC 08:09:02:30.6:0.6, 24:8S:0:2:179:8E:0.1, h576km, 19km, mb4.1/15, Error ellipse: s-maj=29.2km s-min=12.0km az=148.0

ISC 08:09:02:25.9:1.5, 24:7S:0:1:180:0W:0.2, h550km, n27, r148/27, mb4.0/15, South of Fiji Islands

8d 10h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PLA1, BAI3, BASI, EDPI, BSSI, etc.

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

HEL 08 10:00:27.3±0.2, 64.78N±30.75E, h0km, ML2.1, Suspected explosion
KOLA 08 10:00:27.9, 64.75N±31.02E, h0km, ML2.4, Error ellipse: s-maj=13.6km s-min=7.3km az=160.0, Kostomuksha, Karelia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RMF, KUI, KU6, etc.

2019 MAY

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

IDC 08 10:03:05.0±1.7, 1.69N±127.45E, h0km, mb3.7/4, mbtmp3.7/5, ML3.4/1, Error ellipse: s-maj=109.0km s-min=21.6km az=68.0

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

NEIC 08 10:04:40.3±1.4, 35.12N±02.95W±0.01, h5km±1km, Error ellipse: s-maj=4.1km s-min=2.9km az=164.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TUL3, RLO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like T42A, R40A, R32A, etc.

BER 08 10:20:27.1±2.7, 75.04N±8.16E, h10km, mb(Pn)3.6, Confirmed Earthquake, Greenland Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HSPB, BJO1, etc.

LDG 08 10:31:34.9±0.0, 48.19N±7.03E, h15km, Md2.0/2, Ml2.3/10, Error ellipse: s-maj=1.0km s-min=0.7km az=165.0

BGR 08 10:31:35.0±0.5, 48.19N±7.06E, h10km, Ml1.5/8, Error ellipse: s-maj=5.6km s-min=3.3km az=87.0

BUG 08 10:31:36.6±1.3, 48.53N±7.25E, h12km±7km, MD2.8/4, ML2.2/4

ISC 08 10:31:35.0±0.8, 48.18N±02.708E±0.02, h17km±4km, n61, c090/99, I-3D, France

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FREU Neufra-Freuden, SAVF Savonnieres en, MEZF Maizieres J'vi, etc.

KNET 08 10:33:39.5,0.4,43.13N,74.71E, h18km,2km,ml1.9, Error ellipse: s-maj=3.1km s-min=2.3km az=39.0
NNC 08 10:33:40.3,0.5,43.13N,74.73E, h0km,mb3.2,mpv3.1, Error ellipse: s-maj=4.6km s-min=2.7km az=2.0, Suspected Mining explosion.

KRNET 08 10:33:40.2,0.1,43.14N,74.72E, h20km,mb2.6 SOME 08 10:33:40.8,43.15N,74.73E, h15km
ISC 08 10:33:40.2,0.8,43.15N,0.02,74.73E,0.02,h0km,n50, o#67/93,33C-19D,Central Kazakhstan

Main table for 373 station data, including CHMS Chumysh, USP Osenovka, SGGDS Sogindy, etc.

Table for 373 station data, including MNAS Manas, CHKK Chushkaly, ARXS Kuram, etc.

IDC 08 10:52:37.2,1.1,18.82S,167.51E, h0km,mb3.8/5, mbtmp3.8/6,ML3.3/1,MS3.3/1, Error ellipse: s-maj=47.9km s-min=22.8km az=141.0

NOU 08 10:52:37.2,18.79S,167.46E, h0km,MLV3.9/10, Vanuatu Islands

ISC 08 10:52:40.8,0.9,18.80S,167.48E,0.08,h28km,n17, r#189/13,mb3.9/5,Vanuatu Islands

Table for 373 station data, including DVP Devils Point, INH Isangal, MARNC Mare, Loyalty, etc.

NEIC 08 11:03:36.7,0.2,40.46N,104.62W,0.07,h6km,1km, ML1.9/21, Error ellipse: s-maj=9.7km s-min=1.5km az=127.0, Colorado

Table for 373 station data, including BRIGG Briggsdale, ISCO Idaho Springs, etc.

NEIC 08 11:21:32.7,1.5,61.40N,102.149,91W,0.04,h31km,9km, Error ellipse: s-maj=3.2km s-min=2.6km az=194.0

AEIC 08 11:21:33.4,1.2,61.38N,102.149,93W,0.01,h34km,7km, ML2.9,ML3.0/160(NEIC), Error ellipse: s-maj=3.4km s-min=1.0,8km az=192.0, Southern Alaska

Main table for 373 station data, including FIS Fire Island, RC01 Rabbit Creek A, etc.

Main table for 373 station data, including STLK Strandline Lak, STLK Strandline Lak, STLK Strandline Lak, etc.

comp=Z,0.7nm,0.6s
TXAR Lajitas Array 67.57 71 P P 11 54 00.3 +0.2
comp=Z,0.7nm,0.6s,baz=305,slow=4.8,SNR=14
comp=Z,0.7nm,0.6s

CATAC 08 12:08:59.0-3.0,12.53N,87.99W,h15km,999km,ML2.8
MLV2.6/13,Error ellipse: s-maj=4.6km s-min=3.9km
az=54.5,confirmed
SNET 08 12:09:00.5-0.8,12.53N,87.99W,h15km,999km,ML2.8
ISC 08 12:08:56.8-2.1,13.33N,0.05:87.16W,0.04,h89km,14km,
n33,+1920/42,Honduras

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like COHNO Orocuina, CHOHN Orocuina, POTNI Potosi Cosigui, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like LCND La Caada, LGUHU Tegucigalpa, UN, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like LCY Lacayo, PACA Pacayal, PACA Pacaya, etc.

AEIC 08 12:13:52.0-1.7,53.52N,0.06:166.07W,0.08,h24km,7km,
Error ellipse: s-maj=9.8km s-min=5.3km az=148.0
IDC 08 12:13:52.4-8.4,53.64N:165.45W,h0km,mb3.1/4,
mbtmp3.2/5,ML3.1/1,Error ellipse: s-maj=152.4km
s-min=55.8km az=98.0
NEIC 08 12:13:52.3-1.4,53.55N:0.07:166.12W:0.09,h46km,9km,
mb3.5/3,ML3.8/3,ML3.5(AEIC),Fox Islands
Error ellipse:
s-maj=10.4km s-min=6.3km az=150.0

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like UNV Unalaska Valle, UNV UNV, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like MREP Makushin Rep, MTBL Makushin Table, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like OKER Okmok East Rim, OKTU Okmok Mt. Tull, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like ISLZ Isanotski Laza, ISLN Isanotski Nort, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like CNPM China Foot, J16K Anvik River, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like BCAR Beaver Creek A, I28M I28M, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like YKA Yellowknife Ar, NVAR Miina Array Bea, etc.

comp=Z,0.1nm,0.3s,baz=309,slow=7.2,SNR=1.6
PDAR Pinedale Array 38.26 83 P P 12 21 11.4 +1.2
comp=Z,0.3nm,0.8s,baz=316,slow=6.2,SNR=3.4
comp=Z,0.3nm,0.8s

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, etc.

IDC 08 12:15:14.8-0.6,1.59S,122.61E,h0km,mb4.3/15,
mbtmp4.4/17,ML4.4/2,ML3.4/14,Error ellipse:
s-maj=28.1km s-min=13.0km az=72.0
NEIC 08 12:15:16.8-2.0,1.79S:0.05:122.63E:0.02,h10km,1km,
mb4.7/33,Error ellipse: s-maj=8.8km s-min=3.3km
az=195.0
DJA 08 12:15:18.0-0.2,2.5:2.12:3E, h10km,ML4.7/24,
mb5.0/11,mb5.1/7,MLV4.9/24,MW(mb)4.4/7
ISC 08 12:15:20.2-0.4,1.78S:0.05:122.59E:0.06,h35km,n126,
+1561/115,mb4.6/47,MSS3.3/11,Sulawesi

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like LUWI Luwuk, LUWI Luwuk, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like KAPI Kappang, KAPI Kappang, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like BKSI Bulukamba, NLAI Nlai, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like TNTI Ternate, TNTI Ternate, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like SGSI Sangihe, MSAI Masohi, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like EDFI Ende, MYLDM Lahad Datu, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like SOEI Soe, SOEI Soe, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like JAY Jayapura, PSAC Pilbara Seismi, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like WRAB Tennant Creek, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like WRA Warrungarra Arr, WRA Warrungarra Arr, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like WR8 Warrungarra Arr, WR8 Warrungarra Arr, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like COEN Coen, WRKA Warakura, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like ASAR Allice Springs, ASAR Allice Springs, etc.

NWAO Narrogin (SRO) 31.39 189 LR LR 12 25 03.9
BBOO Bucklebo 33.36 159 P P 12 21 54.5 -0.6
N2J Nanjing 33.84 354 eP P 12 22 00.4 +1.1

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like ENH Enshi, PZH PanZhiHua, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like STKA Stephens Creek, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like STKA Stephens Creek, CMSA Cobar Meteorol, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like ARPS Mount Arapiles, ARPS Mount Arapiles, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like MJAR Matsushiro Arr, MJAR Matsushiro Arr, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like MJAR Matsushiro Arr, MJAR Matsushiro Arr, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like ASAJ Asahikawa, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like HEH Heihe, HEH Heihe, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like MAKZ Makanchi, PETK Petropavlovsk, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like KURB Kurchatov Arr, KURK Kurchatov, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like TXIX Tiksi, TXIX Tiksi, etc.

Table with columns: Code, Station Name, A1, AZ, Phase, ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like E19K Redstone River, E19K Redstone River, etc.

BUT 08 12:25:14.7-0.9,45.86N,0.01:111.36W,0.02,h6km,4km,
Error ellipse: s-maj=2.5km s-min=1.5km az=51.0
NEIC 08 12:25:14.3-0.8,45.867N:0.009:111.37W:0.02,
h5km,1km,ML3.0/40,ML3.1/29(BUT),Error ellipse:
s-maj=3.0km s-min=2.9km az=262.0, Montana

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like BEMT, YHB, YMB, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SNUT, SNJT, SGST, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like JLU, VWUC, JSHG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like LAY, LYUB, TAW, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like NSY, EOSE, EOST, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ESTP, ESPR, ESPR, etc.

IDC 08 12:32:40.9.1.4, 22°02'N, 121°41'E, h0km, mb3.5/3, mbtmp3.5/4, ML3.5/1, MS2.4/1, Error ellipse: s-maj=73.2km s-min=23.9km az=67.0

JMA 08 12:32:45.1.0.3, 22°N, 121°E, h0km, MV3.8/17, TAIWAN REGION

SFS 08 12:54:48.5, 36°39'N, 5°26'W, h18km, ML2.6/10, ML2.6/13, MLV2.6/13

INMG 08 12:54:49.5, 2.2, 36°97'N, 5°21'W, h19km, 4km, ML2.3, Error ellipse: s-maj=3.8km s-min=3.1km az=175.0

IGIL 08 12:54:49.3, 36°96'N, 5°24'W, h25km MDD 08 12:54:49.6, 0.3, 36°96'N, 5°24'W, h25km, mb_Lg2.7/13, Error ellipse: s-maj=2.7km s-min=2.0km az=165.0

ISC 08 12:54:47.2, 1.0, 36°96'N, 0.03, 5°25'W, 0.02, h14km, 9km, n53, c1936/104, Strait of Gibraltar

Moment Tensor Solution. Moment tensor: Scale 10^21 Nm; Mn=1.89; Mw=0.19; Mw=1.70; Mw=0.63; Mw=0.96; Ms=10.14000; S41.91000; S65.96000; NP2=0.221, 08000; S52.41000; S110.09000; Principal axes: T Plg73.2510; Azm188.4970; N Plg11.7900; Azm28.5040; Plg5.4440; Azm296.9600;

ISC 08 12:32:44.6, 0.8, 22°33'N, 0°02', 121°48'E, 0.02, h26km, 7km, n134, c1937/240, mb3.3/3, 11D, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MESJ, PESTR, PAB, MORF, etc.

mbmp4.8/21, ML4.1/4, MS5.4/50, Error ellipse: s-maj=19.7km s-min=11.8km az=69.0. GUC 08 13:47:18.6... MOS 08 13:47:18.9... IPGP 08 13:47:18.0... NEIC 08 13:47:18.6... NEIC 08 13:47:18.6... VAO 08 13:47:20.4... GGMT 08 13:47:24.7... VAO 08 13:47:20.4... GGMT 08 13:47:24.7...

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CFA, VMB6, VAO6, etc.

IDC 08 13:15:01.0.2.2.13'04N.125'78E, h0km, mb3.5/4, mbmp3.5/4, MS2.7/1, Error ellipse: s-maj=27.4km s-min=22.8km az=68.0, Philippine Islands region

RSNC 08 13:47:34.3... ISC 08 13:47:18.1... n283, r188/838, mb5.6/97, MS5.5/15, 24C-26D, Near coast of Peru

ISC 08 13:47:18.1... n283, r188/838, mb5.6/97, MS5.5/15, 24C-26D, Near coast of Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DAV, WRA, ASAR, H1N1, etc.

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

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

TXNET 08 13:15:35.8, 31.6N, 0.7, 104.3W, 0.7, h5km, 2km, ML.1/9, 6, Error ellipse: s-maj=1.3km s-min=0.9km az=43.3, final, Western Texas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TPB11, PECS, TPB12, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TA01, LAZ, LAZ, etc.

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

WEL 08 13:29:10.5.1.2.33'S, 9'17.9'E, h12km, M3.8/7, mb4.9/3, ML4.1/1, MLV3.8/7, Mw(mB)4.2/3, Error ellipse: s-maj=39.6km s-min=8.5km az=102.4, confirmed, South of Kermadec Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like G003, TBGT, TBGT, etc.

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

8d 13h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like TUBARO-SC, HDC Heredia, LLO2 Futaleufu, etc.

2019 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like GOGA, Y60A Bolivia, Y58A Scranton, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Q56A Snyder Ridge, Q56A Snyder Ridge, POST Post, etc.

Table with columns: ID, Name, Freq, Power, Mode, Status, Time, etc. Includes stations like TUC, MEDO, L44A, J61A, ACCN, etc.

Table with columns: ID, Name, Freq, Power, Mode, Status, Time, etc. Includes stations like ICQ, S11A, ISA, BCW, DUG, etc.

Table with columns: ID, Name, Freq, Power, Mode, Status, Time, etc. Includes stations like YBH, YBE, KHHM, K04D, etc.

8d 13h

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like Vaqueiros, Beja, So Bento, El Granado, IFR, EVO, MDT, PMTG, PCAS, PESTR, COI, PBAR, EMIN, ECU, ESPR, ALJ, PMRV, SYO, MTE, MTE, MTE, YKA, RUBB, PGAV, POLO, PVRL, PVRL, ECAB, EMAL, MVO, TOAD, U35K, EGOR, EADA, WHEL, KOTAN, V35K, V35K, EQTA, T35M, T35M, PAB, PAB, PAB, ANG, ESDC, ESDC, ESB, WRAK, U33K, U33K, DLBC, DLBC, SUR, ILULI.

2019 MAY

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like ILULI, S34M, S34M, T33K, WTLY, WTLY, WRGLY, WRGLY, TSUM, TSUM, TSUM, CART, R33M, R33M, Q32M, Q32M, TGNT, S32K, SIT, SIT, ECHE, ICESG, P33M, P33M, P32M, P32M, S31K, S31K, R31K, UPNV, SKAG, N32M, N32M, M33P, M33P, WHY, WHY, GRTL, GRTL, FARO, FARO, FARO, P30M, P29M, P29M, M31M, ONGWA, ONGWA, N31M, N31M, KULL, KULL, N30M, N30M, O29M, O29M, RES, PNL, MAW, MAW, MAW, BOSA, BOSA, BOSA, BOSA, YUK6, BCPM, SUMG, SUMG, SUMG, M30M, C36M, YUKA, PINK, PCA, O28M, O28M, MAHO, YUK8, M29M, TULEG, L29M, L29M, LOGN, H31M.

380

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like H31M, K29M, K29M, MESA, CTGM, CTG, YUK3, YUK3, LBTB, LBTB, LBTB, LBTB, GRNC, I30M, I30M, WAX, G31M, G31M, G31M, BGLC, J29N, J29N, BVCY, BVCY, BFZ, F31M, F31M, TGL, CRQE, CRQM, DAWY, SCO, M27K, KAIM, URZ, MRCA, EPYK, EPYK, I29M, INK, INK, MRZ, A36M, A36M, G30M, G30M, B3AR, B3AR, L27K, F30M, F30M, M26K, M26K, BMRM, BMRM, H29M, H29M, NEEM, I28M, I28M, I28M, MOZ, G29M, G29M, N25K, K27K, EYAK, L26K, MENT, DIV, KEST, KEST, HIN, HIN, FID, KLU, KLU, KLU, OXZ, TOZ, HARP, HARP, NNZ, P23K, I27K, ODZ, LTZ, DOT, THZ, E29M, E29M.

Table with columns: Station ID, Name, Date, Time, Location, Status, etc. Includes stations like HIZ Hauri, SCRK Sand Creek, GLI Glacier Island, etc.

Table with columns: Station ID, Name, Date, Time, Location, Status, etc. Includes stations like SUA Susitna One, COLA College, COLA College, etc.

Table with columns: Station ID, Name, Date, Time, Location, Status, etc. Includes stations like C24K Franklin Bluff, G22K Bettles, N18K Kilauea Creek, etc.

8d 13h

2019 MAY

Table with columns for station ID, name, frequency, and various signal quality metrics. Includes stations like K15K Wolf Creek, E18K Tupkharleik, U10C Ukpe, etc.

Table with columns for station ID, name, frequency, and various signal quality metrics. Includes stations like H11N1 WAKE ISLAND, H11S2 WAKE ISLAND, H11S1 WAKE ISLAND, etc.

Table with columns for station ID, name, frequency, and various signal quality metrics. Includes stations like KPKS Kokpek, KDJ Kajisay, KDJ Kajisay, etc.

Table with columns: AAK, 50nm, 0.2s, 2.08 33, J/P, Pn, 14 42 46.3 +0.6

NNC 08 14:44:04.5:3.0, 40.87N:72.92E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=23.7km s-min=11.1km az=163.0

CRNET 08 14:44:05.4:0.1, 40.91N:72.92E, h20km, mb2.5

SOME 08 14:44:05.8, 41.00N:72.92E, h5km

ISU 08 14:44:05.4, 40.90N:72.88E, h24km

ISC 08 14:44:04.1:1.0, 40.90N:72.97E:0.02, h15km, gkm,

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

Table with columns: IUG, luzhnay, 19nm, 0.3s, 2.53 300, Pg, Pb, 14 44 50.4 +1.0

JMA 08 14:46:06.4:0.1, 24.1N:122.5E:0.3, h51km, 1km, MV2.1/10, NW OFF ISHIGAKIJIIMA IS

TAP 08 14:46:07.0, 24.47N:122.38E, h48km, ML2.7, D

ISC 08 14:46:06.1:1.0, 24.46N:122.46E:0.02, h31km, 11km,

n50, c105/89, Taiwan region

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

NOU 08 14:56:57.3, 18.99S:167.77E, h0km, MLV4.7/37, Vanuatu Islands

IDC 08 14:56:57.0:1.7, 19.04S:167.66E, h0km, mb4.3/13, mbmp4.4/16, ML4.9/3, MS4.1/5, Error ellipse:

MOS 08 14:56:58.3:1.2, 19.10S:167.64E, h13km, mb5.2/12, Error ellipse: s-maj=18.9km s-min=16.9km az=106.0

BUI 08 14:56:59.2, 18.64S:167.46E, h5km, mb5.3/6, mb5.0/27, Ms5.4/4, Ms7.5/24

NEIC 08 14:57:00.1:1.8, 19.06S:168.167E:0.09, h10km, 1km, mb5.2/37, Error ellipse: s-maj=13.7km s-min=12.6km az=73.0

GCMT 08 14:57:05.1:0.3, 19.10S:167.61E:0.02, h21km, 1km, MW5.0/77, Moment Tensor Solution. s17,c18; s77,c103; Duration: 0 Moment tensor: Scale 10^18Nm; Mir-3.65z; M=0.62z; 15; M=0.30z; 18; M=0.56z; 38; M=0.06z; 10; M=0.69z; 25; Best double couple: M=3.44700x10^16 NP1=172.00000, S4=0.00000, A=101.00000, NP2: 0.6, 0.00000, S51.00000, A=81.00000. Principal axes: T 3.1010, P16.60000, Azm90.00000; N 0.6880, P167.00000, Azm181.00000; P -3.7990, P1681.00000, Azm321.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rater function

ISC 08 14:57.01:7.0:3, 19.02S:167.68E:0.05, h28km, 1185, c1940, 152, mb5.0/51, MS4.3/4, 10C-15D, Vanuatu Islands region

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

Table with columns: DZM, 75nm, 0.3s, baz=59, slow=10, SNR=1005, Sn, Sn, 14 58 26.3 -2.5

8d 15h

Table of station data for 8d 15h period. Columns include call sign, name, coordinates, time, and status.

2019 MAY

Main table of station data for 2019 MAY. Columns include call sign, name, coordinates, time, and status. Includes sub-sections for NEIC 08, TXNET 08, and CATAC 08.

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Table of station data for 386 period. Columns include call sign, name, coordinates, time, and status.

8d 16h

Table with columns: QID, QIZ, comp, S, Sn, 1554 12.4 +0.2. Lists various stations and their coordinates.

2019 MAY

Table with columns: KNRA, PMG, KURK, KURB, FITZ, COEN, COEN, WBO, WRAB, WRA, WRB, TIXI, MTSU, BVAR, QIS, NRIK, NRIK, AS31, ASAR, ASAR, ASO1, WRKA, BILL, COD, AB31, AB31, ABKAR, ARTI, ARTI, ARTI, LCRK, BBOO, BBOO, STKA, STKA, HTT, DVP, C18K, H17K, O15K, J17K, G18K, M16K, H18K, H18K, K17K, INH, ARPS, H19K, H19K, J18K, J18K, L18K, J19K, J19K, B21K, B21K, J20K, J20K, D22K, D22K, E22K, E22K, D23K, D23K, PPLA, BPAW, BPAW, D24K, D24K, H23K, H23K, F24K, F24K, RND, RND, RND, RND, F25K, F25K, ILAR, ILAR, BMAR, G26K, SPITS, SPITS, ARCES, ARCES, J26L, J26L, E29M, E29M. Lists station names, coordinates, and other details.

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Table with columns: FINES, F30M, INK, INK, H31M, H31M, EUNU, C36M, Q32M, RES, RES, NB2, NOA, YKAW3, YKAW3, YKA, YKA, YKA, ILON, ILON, SDV, BAUV, Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists station names, coordinates, and other details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KYPSS, ORTH, CLEM, PSDA, VLS, DMLN, RLS, AXS, AMT, DRO, FSK, HFS, TORO, BVAR, KURBB, MKAR, ZALV.

IDC 08 16:13:39.51.7, 37.87N:20.89E, h0km, mb3.8/12, mbmp3.7/16, ML2.0/2, Error ellipse: s-maj=32.9km s-min=18.3km az=43.0

ATH 08 16:13:39.8, 37.66N:20.79E, h8km, mb2km, ML3.2/4, Manual Solution by K.Orfanogiannaki First location: 2019/05/08 16:44:20, This location: 2019/05/08 16:52:12 ML

NAO 08 16:13:56.1, 39.00N, 19.19E, h10km, mb3.6, ISC 08 16:13:40.4, 1.0, 37.71N:0.06:20.78E:0.05, h11km, 5km, n25, e103/34, mb3.8/12, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LTHK, KYPSS, ORTH, CLEM, PSDA, VLS, RLS, AXS, ANO, IDI, MLR, BRTR, AKAS, HFS, EKA, FINES, NB2, NOA, ARCES, BVAR, KURBB, MKAR, ZALV, CMAR, YKA, KRSR.

PAS 08 16:14:59.2, 0.8, 33.213N:0.008:116.067W:0.010, h11km, 6km, ML3.5/272, ML3.3/32(NEIC), Error ellipse: s-maj=1.2km s-min=1.1km az=209.0

NEIC 08 16:14:59.0, 0.9, 33.224N:0.008:116.084W:0.010, h10km, 2km, Error ellipse: s-maj=3.0km s-min=1.4km az=330.0

ISC 08 16:14:58.6, 0.9, 33.221N:0.011:116.07W:0.011, h19km, 2km, n106, e062/173, Southern California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SALN, SLH, ERRC, BORC, S271, BOMB, SUP, CHR, FRK, CL12, MONP2, CTCC, WEMD, JUEM, COK2, MATG, CTW.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PMD, PFO, PNY, PNY, PNY, PNY, PNY, FRD, FRD, FRD, IMP, IMP, WESC, IKP, SNA, SNA, BZNA, BZNA, YUH, YUH, HAY, HAY, RMX, RMX, SGL, SGL, SNR, SNR, SLVP, SLVP, CRY, CRY, DREC, DREC, PLM, PLM, PLM, PLM, GVA, GVA, BC3, BC3, EML, EML, 5053, 5053, 5053, 5053, BAR, BAR, DPP, DPP, EW2, EW2, TKX, TKX, UABX, UABX, DEVC, DEVC, DUZA, DUZA, POB, POB, COA, COA, COA, COA, SDR, SDR, BLAC, BLAC, DGR, DGR, BACC, BACC, MTRP, MTRP, HMT, HMT, HMT, HMT, CPE, CPE, CPE, CPE, TJJ, TJJ, OLP, OLP, RUN, RUN, GORC, GORC, SDMC, SDMC, MURC, MURC, CPBX, CPBX, CPBX, CPBX, CBX, CBX, CBX, CBX, EMSC, EMSC, BBSC, BBSC, GLA, GLA, GLA, GLA, TJX, TJX, MBIG, MBIG, GTM, GTM, PEC, PEC, ESUX, ESUX, EL, EL, ELS, ELS, IRM, IRM, BLYC, BLYC, CCX, CCX, VTX, VTX, 113A, 113A, PASC, PASC, PASC, PASC, SPIC, SPIC, SFG, SFG, SFG, SFG, CCAC, CCAC, W13A, W13A, Y14A, Y14A, Y12A, Y12A, CCW, CCW, BCW, BCW, BCW, BCW.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PMD, PFO, PNY, PNY, PNY, PNY, PNY, FRD, FRD, FRD, IMP, IMP, WESC, IKP, SNA, SNA, BZNA, BZNA, YUH, YUH, HAY, HAY, RMX, RMX, SGL, SGL, SNR, SNR, SLVP, SLVP, CRY, CRY, DREC, DREC, PLM, PLM, PLM, PLM, GVA, GVA, BC3, BC3, EML, EML, 5053, 5053, 5053, 5053, BAR, BAR, DPP, DPP, EW2, EW2, TKX, TKX, UABX, UABX, DEVC, DEVC, DUZA, DUZA, POB, POB, COA, COA, SDR, SDR, BLAC, BLAC, DGR, DGR, BACC, BACC, MTRP, MTRP, HMT, HMT, HMT, HMT, CPE, CPE, CPE, CPE, TJJ, TJJ, OLP, OLP, RUN, RUN, GORC, GORC, SDMC, SDMC, MURC, MURC, CPBX, CPBX, CPBX, CPBX, CBX, CBX, CBX, CBX, EMSC, EMSC, BBSC, BBSC, GLA, GLA, GLA, GLA, TJX, TJX, MBIG, MBIG, GTM, GTM, PEC, PEC, ESUX, ESUX, EL, EL, ELS, ELS, IRM, IRM, BLYC, BLYC, CCX, CCX, VTX, VTX, 113A, 113A, PASC, PASC, PASC, PASC, SPIC, SPIC, SFG, SFG, SFG, SFG, CCAC, CCAC, W13A, W13A, Y14A, Y14A, Y12A, Y12A, CCW, CCW, BCW, BCW, BCW, BCW.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PMD, PFO, PNY, PNY, PNY, PNY, PNY, FRD, FRD, FRD, IMP, IMP, WESC, IKP, SNA, SNA, BZNA, BZNA, YUH, YUH, HAY, HAY, RMX, RMX, SGL, SGL, SNR, SNR, SLVP, SLVP, CRY, CRY, DREC, DREC, PLM, PLM, PLM, PLM, GVA, GVA, BC3, BC3, EML, EML, 5053, 5053, 5053, 5053, BAR, BAR, DPP, DPP, EW2, EW2, TKX, TKX, UABX, UABX, DEVC, DEVC, DUZA, DUZA, POB, POB, COA, COA, SDR, SDR, BLAC, BLAC, DGR, DGR, BACC, BACC, MTRP, MTRP, HMT, HMT, HMT, HMT, CPE, CPE, CPE, CPE, TJJ, TJJ, OLP, OLP, RUN, RUN, GORC, GORC, SDMC, SDMC, MURC, MURC, CPBX, CPBX, CPBX, CPBX, CBX, CBX, CBX, CBX, EMSC, EMSC, BBSC, BBSC, GLA, GLA, GLA, GLA, TJX, TJX, MBIG, MBIG, GTM, GTM, PEC, PEC, ESUX, ESUX, EL, EL, ELS, ELS, IRM, IRM, BLYC, BLYC, CCX, CCX, VTX, VTX, 113A, 113A, PASC, PASC, PASC, PASC, SPIC, SPIC, SFG, SFG, SFG, SFG, CCAC, CCAC, W13A, W13A, Y14A, Y14A, Y12A, Y12A, CCW, CCW, BCW, BCW, BCW, BCW.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PMD, PFO, PNY, PNY, PNY, PNY, PNY, FRD, FRD, FRD, IMP, IMP, WESC, IKP, SNA, SNA, BZNA, BZNA, YUH, YUH, HAY, HAY, RMX, RMX, SGL, SGL, SNR, SNR, SLVP, SLVP, CRY, CRY, DREC, DREC, PLM, PLM, PLM, PLM, GVA, GVA, BC3, BC3, EML, EML, 5053, 5053, 5053, 5053, BAR, BAR, DPP, DPP, EW2, EW2, TKX, TKX, UABX, UABX, DEVC, DEVC, DUZA, DUZA, POB, POB, COA, COA, SDR, SDR, BLAC, BLAC, DGR, DGR, BACC, BACC, MTRP, MTRP, HMT, HMT, HMT, HMT, CPE, CPE, CPE, CPE, TJJ, TJJ, OLP, OLP, RUN, RUN, GORC, GORC, SDMC, SDMC, MURC, MURC, CPBX, CPBX, CPBX, CPBX, CBX, CBX, CBX, CBX, EMSC, EMSC, BBSC, BBSC, GLA, GLA, GLA, GLA, TJX, TJX, MBIG, MBIG, GTM, GTM, PEC, PEC, ESUX, ESUX, EL, EL, ELS, ELS, IRM, IRM, BLYC, BLYC, CCX, CCX, VTX, VTX, 113A, 113A, PASC, PASC, PASC, PASC, SPIC, SPIC, SFG, SFG, SFG, SFG, CCAC, CCAC, W13A, W13A, Y14A, Y14A, Y12A, Y12A, CCW, CCW, BCW, BCW, BCW, BCW.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PMD, PFO, PNY, PNY, PNY, PNY, PNY, FRD, FRD, FRD, IMP, IMP, WESC, IKP, SNA, SNA, BZNA, BZNA, YUH, YUH, HAY, HAY, RMX, RMX, SGL, SGL, SNR, SNR, SLVP, SLVP, CRY, CRY, DREC, DREC, PLM, PLM, PLM, PLM, GVA, GVA, BC3, BC3, EML, EML, 5053, 5053, 5053, 5053, BAR, BAR, DPP, DPP, EW2, EW2, TKX, TKX, UABX, UABX, DEVC, DEVC, DUZA, DUZA, POB, POB, COA, COA, SDR, SDR, BLAC, BLAC, DGR, DGR, BACC, BACC, MTRP, MTRP, HMT, HMT, HMT, HMT, CPE, CPE, CPE, CPE, TJJ, TJJ, OLP, OLP, RUN, RUN, GORC, GORC, SDMC, SDMC, MURC, MURC, CPBX, CPBX, CPBX, CPBX, CBX, CBX, CBX, CBX, EMSC, EMSC, BBSC, BBSC, GLA, GLA, GLA, GLA, TJX, TJX, MBIG, MBIG, GTM, GTM, PEC, PEC, ESUX, ESUX, EL, EL, ELS, ELS, IRM, IRM, BLYC, BLYC, CCX, CCX, VTX, VTX, 113A, 113A, PASC, PASC, PASC, PASC, SPIC, SPIC, SFG, SFG, SFG, SFG, CCAC, CCAC, W13A, W13A, Y14A, Y14A, Y12A, Y12A, CCW, CCW, BCW, BCW, BCW, BCW.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SHPR, WCT, TPNV, GRAC, X16A, PRN, DSP, LCM, U15A, MZP, KNB, X18A, PV03, PV23.

IDC 08 16:22:43.4, 3.3, 10.64S:166.03E, h170km, 29km, mb3.4/6, mbmp3.9/8, Error ellipse: s-maj=29.0km s-min=23.0km az=96.0

NEIC 08 16:22:44.2, 1.8, 10.6S:0.1:165.95E:0.08, h169km, 9km, mb4.3/20, Error ellipse: s-maj=19.9km s-min=3.5km az=212.0

ISC 08 16:22:42.0, 0.8, 10.62S:0.09:166.0E:0.1, h155km, n35, e1915/33, mb4.1/16, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HNR, HNR, DZM, DZM, DZM, PINN, ARMA, ARMA, STKA, STKA, WR8, WR8, WB0, WB0, WRA, WRA, AS31, ASAR, K15K, L18K, SONM, L19K, L19K, OSPA, OSPA, N25K, N25K, E19K, E19K, ILAR, ILAR, D20K, D20K, E22K, B20K, B21K, L29M, L29M, G26K, G26K, MKAR, MKAR, H03S2, H03S1, H03S3, ARCES, ARCES, D20K, D20K, E22K, B20K, B21K, L29M, L29M, G26K, G26K, MKAR, MKAR, H03S2, H03S1, H03S3, ARCES, ARCES, D20K, D20K, E22K, B20K, B21K, L29M, L29M, G26K, G26K, MKAR, MKAR, H03S2, H03S1, H03S3, ARCES, ARCES.

IDC 08 16:23:04.0, 1.6, 28.85S:176.46W, h0km, mb4.2/5, mbmp4.2/6, ML3.6/1, MS3.7/9, Error ellipse: s-maj=52.9km s-min=25.5km az=129.0

ISC 08 16:23:07.5, 0.9, 29.05S:0.08:176.1W:0.1, h35km, n46, e145/49, mb4.3/6, MS3.6/6, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GLKZ, GLKZ, RIZ, RIZ, WMGZ, WMGZ, PKGZ, HAZ, HAZ, PUK, PUK, RUGZ, RUGZ, RWGZ, RWGZ, CNQZ, CNQZ, CNQZ, CNQZ, TKGZ, TKGZ, MWZ, MWZ, URZ, URZ, URZ, URZ, RAGZ, RAGZ, RIGZ, RIGZ, PRGZ, PRGZ, MUGZ, MUGZ, SHANN, SHANN, SHANN, SHANN, MHGZ, MHGZ, MSVF, MSVF, WAZ, WAZ, RZR, RZR, DZM, DZM, DZM, DZM.

Table with 4 columns: Station Name, Time, Res, and other details. Includes stations like DZM, DZM, DZM, ONTC, QUENC, etc.

JMA 08 16:43:41.0, 4.0, 33 N, 164.4, 33 W, 13.7E, h426km, MV2.8/11, SE OFF KII PENINSULA

ISC 08 16:43:42.5, 0.8, 33.034N, 136.32E, h448km, 15km, mb2.9/7, mtbnp3.6/11, Error ellipse: s-maj=28.9km s-min=11.7km

ISC 08 16:43:42.4, 0.9, 33.10N, 136.34E, 0.07, h450km, n17, c202(23, mb3.17, Near south coast of western Honshu

Table with 4 columns: Code, Station Name, Time, Res. Includes stations like JAI, JAI, JMIN, JMT, JWT, etc.

JMA 08 16:53:47.7, 0.8, 49.74N, 127.60W, h0km, mb3.7/6, mtbnp3.7/14, ML3.5/8, MS3.1/4, Error ellipse: s-maj=18.5km s-min=6.2km az=67.0

PGC 08 16:53:49.7, 49.70N, 127.69W, h33km, CL3.4/36, 79km south of Port Alice, Bc Vancouver Island, Canada Region

ISC 08 16:53:49.4, 1.3, 49.70N, 127.71W, 0.04, h17km, 7km, n81, c1949/85, mb3.4/5, Vancouver Island region

Table with 4 columns: Code, Station Name, Time, Res. Includes stations like EDB, EDB, EDB, EDB, etc.

Table with 4 columns: Station Name, Time, Res, and other details. Includes stations like H02S1, DAWSON INLET, FMW, etc.

JMA 08 16:58:53.9, 6.01S, 155.15E, h10km, mb4.8/11, mb4.9/47, Ms4.3/2, Ms7.4/0.3

NEIC 08 16:58:55.1, 9.6, 6.59S, 0.08, 154.84E, 0.07, h10km, 1km, mb5.0/29, Error ellipse: s-maj=13.6km s-min=11.0km

DJA 08 16:59:00.3, 3.1, 6.1S, 150.15E, 2.0, h48km, 20km, Ms.1/16, mb5.1/16, mb5.6/7, MLV5.2/1, Mw(mb)5.1/7

ISC 08 16:59:01.7, 1.9, 6.52S, 154.62E, h63km, 17km, mb4.1/19, mtbnp4.4/22, MS3.6/16, Error ellipse: s-maj=13.4km s-min=12.5km az=42.0

ISC 08 16:58:58.1, 0.3, 6.62S, 0.06, 154.85E, 0.06, h35km, n151, c1512/143, mb4.9/66, MS3.7/13, 1C-3D, Bougainville-Solomon Islands region

Table with 4 columns: Code, Station Name, Time, Res. Includes stations like RABL, RABL, HNR, HNR, etc.

Table with 4 columns: Station Name, Time, Res, and other details. Includes stations like DAV, DAV, DAV, BSSI, etc.

Table with columns: MKAR, Makanchi Array, 83.03 319 P, P, 17 11 19.5 -0.5, etc.

SJA 08 17:02:33.5-1.0, 23.93S:66.80W, h216km, gkm, ML3.3, MW3.5

GUC 08 17:02:35.0-0.7, 23.89S:67.23W, h229km, 9km, ML3.8

ISC 08 17:02:38.9-0.4, 23.51S:66.51W, h221km, 41km, mb3.3/1, mbmp3.9/3, Error ellipse: s-maj=39.3km s-min=35.0km az=72.0

ISC 08 17:02:33.9-0.9, 23.93S:0.04:66.85W:0.04, h210km, 8km, n35, f13/53, 9C-1D, Ujuy Province

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

Table with columns: PB05, IPOC Station P, 3.27 289 I P, Pn, 17 04 07.4 -1.3, etc.

IDC 08 17:26:38.9-3.9, 47.59N:92.39W, h0km, mbmp2.8/2, ML1.3/1, Error ellipse: s-maj=79.8km s-min=26.1km az=49.0

NEIC 08 17:26:40.5-1.1, 47.54N:0.05:92.42W:0.05, h0km, 2km, mb_Lg2.6/12, Error ellipse: s-maj=8.0km s-min=6.0km az=18.0

ISC 08 17:26:37.8-0.9, 47.65N:0.04:92.23W:0.05, h0km, n17, f059B/16, Minnesota

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

MEX 08 17:27:44.0-0.6, 13.87N:92.44W, h13km, 394km, MD4.1

GCG 08 17:27:56.1-0.3, 14.38N:91.32W, h12km, MD3.5

ISC 08 17:27:44.2-1.1, 14.11N:0.1:92.38W:0.08, h10km, n12, f144/18, Near coast of Chiapas

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

IDC 08 17:47:49.5-1.7, 21.34N:121.68E, h0km, mb3.6/7, mbmp3.6/7, Error ellipse: s-maj=153.2km s-min=19.5km az=65.0

TAP 08 17:47:58.8, 21.50N:121.42E, h83km, ML3.7, D

JMA 08 17:47:58.2-0.4, 22.1N:121.2E, h21km, MV4.0/14, TAIWAN REGION

ISC 08 17:47:59.3-1.0, 21.43N:0.06:121.41E:0.03, h84km, 6km, n129, f125/215, mb3.5/7, Taiwan region

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

Table with columns: SLIU, Shizi, 0.96 324 I P, Pn, 17 48 17.7 -0.6, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JYNG, YONG, YOJ, YOY, HATJ, HBTJ, TIPB, etc.

NEIC 08 17:54:56.6±0.9, 6.08S:0.04x130.5E±0.1, h106km, 18km, mb4.4/4, Error ellipse: s-maj=19.8km s-min=5.2km az=95.0

ICC 08 17:54:56.8±12.0, 6.18Sx130.15E, h125km, 115km, mb3.7/3, mbtmp4.2/6, ML4.3/3, Error ellipse: s-maj=11.4km s-min=30.4km az=54.0

DJA 08 17:54:58.0±0.3, 6.9±1.3E±, h142km, 7km, M4.3/12, mb3.5/4, mb4.3/7, ML4.3/12, Mw1.6/3.4/4

ISC 08 17:54:55.8±0.7, 6.12S±0.04, 130.71E±0.07, h124km, n39, s291/46, mb4.0/4, 1.C, Banda Sea

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

WB0 Warramunga Arr 14.04 166 Pn P 17 58 09.4 +0.1

WRA Warramunga Arr 14.19 166 Pn P 17 58 11.0 +0.3

WRA Warramunga Arr 14.19 166 Pn P 17 58 11.8 +0.5

WRA 4.1nm, 0.5s, baz=335, slow=21, SNR=11 2.2nm, 0.6s S Sn 18 00 41.4 -6.7

WR8 Warramunga Arr 14.24 165 Pn P 17 58 12.2 +0.2

COEN Coen 14.52 123 Pn P 17 58 18.8 +0.1

AS01 Alice Springs 17.72 170 Pn P 17 58 57.0 +2.1

ASAR Alice Springs 17.72 170 Pn P 17 58 57.0 +2.1

ASAR Alice Springs 17.72 170 Pn P 17 58 56.9 +2.0

ASAR 1.8nm, 0.3s, baz=346, slow=11, SNR=168 S S 18 02 03.2 -8.7

MBWA Marble Bar 18.35 214 P P 17 59 01.2 +0.3

PSA00 Pilbara Seismi 18.62 213 P P 17 59 04.3 +0.5

STKA Stephens Creek 27.58 160 P P 18 00 33.3 +1.9

STKA Stephens Creek 27.58 160 P P 18 00 33.1 +1.8

BNX BinXian 51.71 357 P P 18 03 50.8 +0.6

MKAR Makanchi Arr 67.88 326 P P 18 05 40.5 -0.4

KURBB Kurchatov Arra 72.13 328 P P 18 06 06.0 -0.8

NEIC 08 17:58:24.0±1.6, 19.532N:0.008±155.95W:0.02, h106km, 1km, Error ellipse: s-maj=3.7km s-min=2.0km az=257.0

HVO 08 17:58:22.5±1.7, 19.548N:0.010±156.08W:0.04, n9km, 3km, ML2.2/19, ML2.5/36(NEI), Error ellipse: s-maj=5.2km s-min=1.0km az=78.0, Hawaiian Islands

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

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

NEIC 08 18:04:26.5±1.7, 8.99N:0.08±126.63E±0.06, h40km, 8km, mb4.6/2, Error ellipse: s-maj=12.7km s-min=6.6km az=203.0

ICC 08 18:04:30.6±2.7, 8.72N±126.72E, h97km, 26km, mb3.7/15, mbtmp4.0/15, MS3.4/8, Error ellipse: s-maj=30.4km s-min=13.7km az=67.0

ISC 08 18:04:27.0±0.5, 8.94N±0.06±126.7E±0.1, h54km, n53, s133/45, mb4.4/25, MS3.5/4, Mindanao

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

WB0 Warramunga Arr 14.04 166 Pn P 17 58 09.4 +0.1

WRA Warramunga Arr 14.19 166 Pn P 17 58 11.0 +0.3

WRA Warramunga Arr 14.19 166 Pn P 17 58 11.8 +0.5

WRA 4.1nm, 0.5s, baz=335, slow=21, SNR=11 2.2nm, 0.6s S Sn 18 00 41.4 -6.7

WR8 Warramunga Arr 14.24 165 Pn P 17 58 12.2 +0.2

COEN Coen 14.52 123 Pn P 17 58 18.8 +0.1

AS01 Alice Springs 17.72 170 Pn P 17 58 57.0 +2.1

ASAR Alice Springs 17.72 170 Pn P 17 58 57.0 +2.1

ASAR Alice Springs 17.72 170 Pn P 17 58 56.9 +2.0

ASAR 1.8nm, 0.3s, baz=346, slow=11, SNR=168 S S 18 02 03.2 -8.7

MBWA Marble Bar 18.35 214 P P 17 59 01.2 +0.3

PSA00 Pilbara Seismi 18.62 213 P P 17 59 04.3 +0.5

STKA Stephens Creek 27.58 160 P P 18 00 33.3 +1.9

STKA Stephens Creek 27.58 160 P P 18 00 33.1 +1.8

BNX BinXian 51.71 357 P P 18 03 50.8 +0.6

MKAR Makanchi Arr 67.88 326 P P 18 05 40.5 -0.4

KURBB Kurchatov Arra 72.13 328 P P 18 06 06.0 -0.8

NEIC 08 18:25:04.3±1.7, 6.42S:129.79E, h0km, mb3.9/2, mbtmp3.8/5, ML3.5/3, Error ellipse: s-maj=74.0km az=118.0

ISC 08 18:25:20.9±1.1, 7.09S±0.09±129.0E±0.1, h156km, n12, s235/13, Banda Sea

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

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

ISC 08 18:21:38.9±2.2, 15.83S:74.77W, h89km, 20km, mb3.2/6, mbtmp3.6/9, MS3.5/3, Error ellipse: s-maj=36.1km s-min=14.3km az=59.0

ISC 08 18:21:31.3±0.7, 15.75S:0.1x74.8W±0.1, h26km, n29, s19/13, mb3.5/6, 1.C, Near coast of Peru

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NNA, NNA, NNA, PB11, PB11, PB11, etc.

NEIC 08 18:04:26.5±1.7, 8.99N:0.08±126.63E±0.06, h40km, 8km, mb4.6/2, Error ellipse: s-maj=12.7km s-min=6.6km az=203.0

ICC 08 18:04:30.6±2.7, 8.72N±126.72E, h97km, 26km, mb3.7/15, mbtmp4.0/15, MS3.4/8, Error ellipse: s-maj=30.4km s-min=13.7km az=67.0

ISC 08 18:04:27.0±0.5, 8.94N±0.06±126.7E±0.1, h54km, n53, s133/45, mb4.4/25, MS3.5/4, Mindanao

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

WB0 Warramunga Arr 14.04 166 Pn P 17 58 09.4 +0.1

WRA Warramunga Arr 14.19 166 Pn P 17 58 11.0 +0.3

WRA Warramunga Arr 14.19 166 Pn P 17 58 11.8 +0.5

WRA 4.1nm, 0.5s, baz=335, slow=21, SNR=11 2.2nm, 0.6s S Sn 18 00 41.4 -6.7

WR8 Warramunga Arr 14.24 165 Pn P 17 58 12.2 +0.2

COEN Coen 14.52 123 Pn P 17 58 18.8 +0.1

AS01 Alice Springs 17.72 170 Pn P 17 58 57.0 +2.1

ASAR Alice Springs 17.72 170 Pn P 17 58 57.0 +2.1

ASAR Alice Springs 17.72 170 Pn P 17 58 56.9 +2.0

ASAR 1.8nm, 0.3s, baz=346, slow=11, SNR=168 S S 18 02 03.2 -8.7

MBWA Marble Bar 18.35 214 P P 17 59 01.2 +0.3

PSA00 Pilbara Seismi 18.62 213 P P 17 59 04.3 +0.5

STKA Stephens Creek 27.58 160 P P 18 00 33.3 +1.9

STKA Stephens Creek 27.58 160 P P 18 00 33.1 +1.8

BNX BinXian 51.71 357 P P 18 03 50.8 +0.6

MKAR Makanchi Arr 67.88 326 P P 18 05 40.5 -0.4

KURBB Kurchatov Arra 72.13 328 P P 18 06 06.0 -0.8

NEIC 08 18:39:59.7±1.7, 35.12N:0.019±95.33W:0.02, h7km, 5km, Error ellipse: s-maj=2.2km s-min=2.0km az=118.0

NEIC 08 18:39:59.7±1.5, 35.11N:0.019±95.33W:0.02, h5km, 1km, mb_Lg2.5/12, ML2.2/7, ML2.4/14, Error ellipse: s-maj=3.0km s-min=2.5km az=126.0, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TUL3, TUL3, TUL3, etc.

Table with columns: RLO, DEOK, W35A, etc. and rows listing various stations and their associated data.

Table with columns: KMSI, MRSI, TOL2, etc. and rows listing various stations and their associated data.

Table with columns: NRN, ULHL, BOOM, etc. and rows listing various stations and their associated data.

MEX 08 18:49:29.5-1.1, 15.59Nk:93.48W, h100km:9km, MD3.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing station data.

GCG 08 18:49:31.9-0.8, 15.36Nk:93.24W, h100km:30km, MD3.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing station data.

ISC 08 18:49:27.0-1.5, 15.84Nk:106.9342W, 0.04, n117km, n12km, n17, n1970/32, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing station data.

IDC 08 18:58:54.5-1.9, 17.78S:178.71W, h560km, 18km, mb3.1/8, mbmp4.0/10, Error ellipse: s-maj=28.1km s-min=20.5km az=126.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing station data.

ISC 08 18:58:53.0-0.8, 17.8S:178.6W, 0.2, h550km, n13, n0597/15, mb3.6/8, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing station data.

ISC 08 19:05:59.5-0.4, 6.33N:104.12694E, 0.06, h100km, n137, n153/132, mb4.6/5.1, C, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing station data.

BUI 08 19:05:56.0, 6.40N:127.00E, h90km, mb4.8/3, mb4.7/23

IDC 08 19:05:59.5-1.4, 6.34N:104.12694E, h104km, 11km, mb3.9/27, mbmp4.2/28, MS3.0/11, Error ellipse: s-maj=19.0km s-min=10.2km az=72.0

NEIC 08 19:06:00.2-0.6, 30N:0108:127.01E:0.10, h108km, 8km, mb4.8/44, Error ellipse: s-maj=15.4km s-min=10.1km az=56.0

DJA 08 19:06:00.6-0.4, 6.1N:3.7E, h99km, 4km, M4.6/20, mb4.7/20, mb5.1/13, MLV5.0/12, MW(mB)4.4/13

ISC 08 19:05:59.5-0.4, 6.33N:104.12694E, 0.06, h100km, n137, n153/132, mb4.6/5.1, C, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing station data.

USURK Arusuk Ar 37.98 6 P P 19 13 06.6 -1.0

SHL Shilling 38.57 304 P P 19 13 12.7 -0.4

STKA Stephens Creek 40.48 161 P P 19 13 28.3 -0.3

LSA Lhasa 40.93 309 P pmax 19 13 33.9 +0.9

GTA Gaotai 41.01 327 eP pP 19 13 34.3 +1.2

GOMU GeErMu 41.82 320 P pmax 19 13 40.5 +0.5

ULN Ulanbatar 44.74 341 P P 19 14 02.2 -0.8

SONM Songino Array 44.93 340 P P 19 14 03.1 -1.4

SKHL 08 19:19:07.0-0.6, 44.30N:148.40E, h40km, 5km, mb4.5/4

JMA 08 19:19:07.8-0.4, 44.4N:148.4E, h40km, 5km, mb4.5/4

OFF ETOROFU ISC 08 19:19:04.3-3.3, 44.30N:148.4E:0.2, h7km, 22km, n17, n19/25, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing station data.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing station data.

JAR Ashorobuto 3.46 255 P Pn 19 20 01.0 +2.3
JCH Churui 4.00 247 eP Pn 19 20 07.8 +1.7
JNBK Urakawa-nobuko 4.56 246 eP Pn 19 20 15.8 +2.1
JOT Ohata 6.11 244 eP Pn 19 20 36.2 +1.2
JANG Nango 6.40 235 eP Pn 19 20 39.7 +0.7

AFAD 08 19:23:23.9, 39.00N, 26.08E, h18km, 2km, ML2.6
ISK 08 19:23:24.7, 39.02N, 26.08E, h10km, ML2.7/32
ATH 08 19:23:24.7, 38.98N, 26.06E, h12km, 4km, ML2.4/9
Manual Solution by A.Andreou/First location: 2019/05/08
19:24:37, This location: 2019/05/10, 19:36:50 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 3 km; Longitude uncertainty: 3 km

ISC 08 19:23:24.7-0.9, 39.00N, 26.07E, 0.02, h14km, 7km, n74, c055/98, Aegean Sea

Code Station Name A Z Phase ID Time Res
SIGR SIGRI 0.27 323 Pg Pp 19 23 30.6 +0.1
SIGR SIGR 0.27 323 P S 19 23 34.6 +0.3
SIGR SIGRI 0.20 323 P S 19 23 30.5 +0.3

EAGZ Hirmaro, Chios 0.45 176 P Pp 19 23 34.0 +0.3
EAGZ GPNR Gulpinar-Canak 0.46 6 P Pp 19 23 33.9 0.0
EAGZ GPNR Canakkale, Ayv 0.51 6 P Pp 19 23 34.1 -0.6

FOCM Foa 0.59 118 Pp Pp 19 23 36.9 +0.1
DKL Dikli 0.66 83 Pp Pp 19 23 37.0 0.0
DKL Dikli 0.66 83 S S 19 23 45.0 +0.1

BOZC Bozcaada 0.84 359 Pp Pp 19 23 40.7 -0.4
BOZC Bozcaada 0.84 359 Pp Pp 19 23 40.7 +0.2
BOZC Bozcaada 0.84 359 S S 19 23 40.6 -0.6

SKY Skiros Island 1.19 265 P Pn 19 23 46.9 0.0
GADA Gvkgada 1.20 354 P Pn 19 23 46.8 -0.3
CANM Can-anakkale 1.27 37 P Pn 19 23 48.9 -0.2

SKY Skiros Island 1.19 265 P Pn 19 23 46.9 0.0
GADA Gvkgada 1.20 354 P Pn 19 23 46.8 -0.3
CANM Can-anakkale 1.27 37 P Pn 19 23 48.9 -0.2

SKY Skiros Island 1.19 265 P Pn 19 23 46.9 0.0
GADA Gvkgada 1.20 354 P Pn 19 23 46.8 -0.3
CANM Can-anakkale 1.27 37 P Pn 19 23 48.9 -0.2

SKY Skiros Island 1.19 265 P Pn 19 23 46.9 0.0
GADA Gvkgada 1.20 354 P Pn 19 23 46.8 -0.3
CANM Can-anakkale 1.27 37 P Pn 19 23 48.9 -0.2

SKY Skiros Island 1.19 265 P Pn 19 23 46.9 0.0
GADA Gvkgada 1.20 354 P Pn 19 23 46.8 -0.3
CANM Can-anakkale 1.27 37 P Pn 19 23 48.9 -0.2

SKY Skiros Island 1.19 265 P Pn 19 23 46.9 0.0
GADA Gvkgada 1.20 354 P Pn 19 23 46.8 -0.3
CANM Can-anakkale 1.27 37 P Pn 19 23 48.9 -0.2

SKY Skiros Island 1.19 265 P Pn 19 23 46.9 0.0
GADA Gvkgada 1.20 354 P Pn 19 23 46.8 -0.3
CANM Can-anakkale 1.27 37 P Pn 19 23 48.9 -0.2

ISC 08 19:28:05.8, 2.1, 53.51N, 164.55W, h0km, mb3.5/3, mbmp3.4/5, ML2.8/2, Error ellipse: s-maj=45.1km s-min=27.9km az=166.0

2019 MAY

Code Station Name A Z Phase ID Time Res
AKUT Akutan 0.94 315 Op ISC 19 28 23.0 +0.6
AKUT Akutan 0.94 315 Op ISC 19 28 35.8 +0.1

MREP Makushin Rep T 1.30 285 Pp Pn 19 28 28.1 -1.2
MTBL Makushin Table 1.31 293 Pp Pn 19 28 46.5 0.0
ISLZ Isanotski Laza 1.36 23 Pn Pn 19 28 29.2 -0.9

SDPT Sand Point 3.07 51 IAML Pn 19 28 55.0 +1.5
SDPT Sand Point 3.07 51 IAML Pn 19 29 42.7
CNBA Tiguykaiuit M 6.08 17 Pn Pn 19 28 56.9 +0.7

M16K Timber Creek 8.16 20 Pn Pn 19 30 02.2 -1.2
O18K Koktuh Hills 8.22 35 Pn Pn 19 30 05.3 +1.0
L16K Owahat River 8.70 16 Pn Pn 19 30 09.4 -1.4

YKA Yellowknife Ar 27.33 51 P P 19 33 53.2 +3.3
H112W WAKE ISLAND Hy 40.18 224 T T 20 18 33.5
H113W WAKE ISLAND Hy 40.19 224 T T 20 18 31.8

H111W WAKE ISLAND Hy 40.20 224 T T 20 18 33.0
H115W WAKE ISLAND Hy 41.36 224 T T 20 20 03.9
H112S WAKE ISLAND Hy 41.37 224 T T 20 20 04.9

ISK Istanbul-Kandi 2.62 223 Pn Pn 19 52 07.1 -0.2
ISK Istanbul-Kandi 2.62 223 Pn Pn 19 52 07.1 +0.4
KAVU Kavulidze 2.62 223 Pn Pn 19 52 08.9 +0.5

GEVY Geyve 2.67 199 P S Pn 19 52 37.0 -2.2
GULT Gulveren 2.67 195 Pn Pn 19 52 08.2 -0.1
DNZZ Donuzlav2 2.69 28 ePn Pn 19 52 08.7 +0.3

ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1
ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1
ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1

ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1
ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1
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ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1
ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1

ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1
ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1
ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1

ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1
ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1
ALU Alushta 2.73 51 eP Pn 19 52 09.0 +0.1

18d 19h

PELI comp=E,461nm,0.3s iAML AML 19 52 29.0
PELI comp=N,315nm,0.5s iAML AML 19 52 30.0
SEV Sevastopol 2.23 46 eP Pn 19 52 02.1 -0.1

SEV Sevastopol 2.23 46 eP Pn 19 52 25.5
SEV Sevastopol 2.23 46 eP Pn 19 52 03.6
BOLU Bolu-Merkez-Mu 2.24 175 P S Pn 19 52 03.0 +0.6

BCAM Yenigaga 2.25 167 P S Pn 19 52 03.1 +0.5
BCAM Yenigaga 2.25 167 P S Pn 19 52 27.2 -2.0
BCAM Yenigaga 2.25 167 P S Pn 19 52 31.0

SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 05.0 -0.6
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 32.3 -2.4
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 34.0

SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0

SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0

SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
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SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
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SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0

SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0

SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0
SEMS Kocaeli-Kifirje 2.48 211 P S Pn 19 52 35.0

ISC 08 19:51:23.3, 0.6, 43.10N, 31.43E, h0km, mb3.7/10, mbtmp3.7/18, ML3.6/8, Error ellipse: s-maj=12.0km s-min=8.2km az=41.0
MOS 08 19:51:23.6, 1.0, 43.06N, 31.44E, h17km, mb3.8/4, Error ellipse: s-maj=5.3km s-min=4.9km az=111.5
MCSM 08 19:51:25.5, 51.5, 43.12N, 31.1E, h12km, 12km, mb4.1, mb4.7, ML4.0, Mw(mb3.9)

ISK 08 19:51:25.4, 43.06N, 31.37E, h65km, ML3.9/73
CFUSG 08 19:51:29.8, 43.11N, 31.26E, h50km, mb2.4/9, Black Sea district Y Maglype MSH 3.3 from 9 stations

AFAD 08 19:51:30.0, 42.77N, 31.40E, h35km, MW3.7
BEO 08 19:51:54.2, 0.9, 43.66N, 28.43E, h0km, ML3.4/7
ISC 08 19:51:27.7, 0.6, 43.02N, 31.42E, h0km, n311, c113/292, mb3.6/12, 41C-41D, Black Sea

Code Station Name A Z Phase ID Time Res
BTIN Bartin 1.51 156 Op Pp 19 52 08.6 -2.1
BTIN Bartin 1.51 156 Op Pp 19 52 11.0
KURC Kurucasile-Bar 1.53 140 Pn Pn 19 51 51.8 -0.7

8d 20h

Table of satellite data for 8d 20h, including columns for station name, frequency, polarization, and various parameters.

2019 MAY

Table of satellite data for 2019 MAY, including columns for station name, frequency, polarization, and various parameters.

396

Table of satellite data for 396, including columns for station name, frequency, polarization, and various parameters.

Table of satellite data for PRU 08 19:53:35.6, 49.93N-18.45E, h0km, Czech and Slovak Republics, including columns for code, station name, frequency, and phase ID.

ITC 08 20:04:25.9;2.1,6:11N:126:29E,h0km,mb4,0/5, mbmp4,0/5, Error ellipse: s-maj=215.7km s-min=28.3km az=66.0

NEIC 08 20:04:34.2;0.2,6:48N:0:02:126:76E,0.09,h48km,11km, mb4,1/12, Error ellipse: s-maj=13.6km s-min=3.2km az=96.0

DJA 08 20:04:39.0;1.0,6:N:9:12:7E, h146km,11km, M4,1/7, s=1.1, Error ellipse: s-maj=13.6km s-min=3.2km az=96.0

ISC 08 20:04:33.5;0.9,6:40N:0:07:126:8E,0.1,h74km,n27, c=180/29, mb4,1/11, M4,0/0

Table of satellite data for ISC 08 20:04:33.5, including columns for code, station name, frequency, and phase ID.

NEIC 08 20:10:32.2;0.2,15:0:0:155:0:08:178:1W,0.2,h567km,8km, mb4,7/21, Error ellipse: s-maj=21.8km s-min=11.2km az=76.0

IDD 08 20:06:12.7;1.8,2:0:04S:178:39W,h588km,17km, mb3,4/10, mbmp4,3/12, Error ellipse: s-maj=23.2km s-min=16.5km az=123.0

ISC 08 20:06:12.9;0.7,20:1S:0:2:178:3W,0.1,h602km,n74, c=191/71, mb4,6/21, Fiji Islands region

Table of satellite data for ISC 08 20:06:12.9, including columns for code, station name, frequency, and phase ID.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Alice Springs, ASAR, WARRUMANGA ARR, WRA, MTN, KNR, FAKI, FITZ, SOE, MJAR, etc.

HEL 08 20:36:12.4 0.2, 67.82N:20.07E, h0km, ML1.7, Suspected explosion
IDC 08 20:36:15.2 1.4, 67.82N:20.97E, h0km, mbtmp2.6/3, ML1.9/3, Error ellipse: s-maj=20.3km s-min=7.9km az=113.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SALU, KIF, WARRUMANGA ARR, PAJU, HEF, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ERTU, KLF, KLF, TRO, TRO, KALU, etc.

IDC 08 20:53:48.0 2.1, 37.37N:142.27E, h0km, mb3.6/5, mbtmp3.6/7, ML2.9/2, MS2.2/2, Error ellipse: s-maj=43.0km s-min=26.4km az=72.0

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H11N3, H11S1, H11S3, H11S2, ZALV, MKAR, etc.

IDC 08 21:03:18.7 1.6, 3.38N:128.02E, h0km, mb4.0/5, mbtmp4.0/5, MS3.1/2, Error ellipse: s-maj=137.0km s-min=18.0km az=67.0

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

IDC 08 21:03:35.2 1.0, 3.43N:0.10:128.3E:0.1, h150km, n19, r150119, mb3.9/9, North of Halmaera

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PSII, EIDS, BBOO, STKA, etc.

IDC 08 21:33:43.6 3.4, 20.59S:178.17W, h501km, 26km, mb3.1/7, mbtmp3.9/8, Error ellipse: s-maj=61.8km s-min=20.6km az=147.0

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

IDC 08 21:33:43.1 1.1, 20.65S:178.1W:0.2, h500km, n17, r057716, mb3.5/7, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PDAR, CMAR, ZALV, MKAR, etc.

IDC 08 21:42:34.2 0.5, 6.7N:147.2E, h10km, M4.1/7, MB5.1/1, mb4.2/3, ML4.0/7, Mw(Mb)4.5/1

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

401

Table with columns: Station Name, Station Type, Station Class, Frequency (MHz), Power (dBm), Signal Quality (Sg, Ss, etc.), and various other parameters.

2019 MAY

Main table containing station data for May 2019, including station names like PAB, EBB, and various frequency/power listings.

9d 1h

Summary table for the last 9 days and 1 hour, listing station names and their respective signal metrics.

Table with 4 columns: Station Name, Azimuth, Phase ID, Time Res. Includes stations like YKA Yellowknife Ar, YKAW3 Yellowknife Wh.

IDC 09 02:50:28.1+4.2, 15.70S:75.04W, h73km, 35km, mb3, 1/3, mbtmp3.5/5, ML3.4/2, Error ellipse: s-maj=50.7km s-min=17.3km az=41.0

ISC 09 02:50:22.3+1.2, 16.0S:0.1x75.3W+0.1, h25km, n15, r156/8, mb3.5/3, Off east coast of Peru

Main station data table for the first section, listing stations like LPAZ, ATAH, H03N1, TXAR, SNA, etc.

NOU 09 02:58:42.9, 33.92S:178.87W, h324km, MLV4.7/7, South of Kermadec Islands

IDC 09 02:58:59.7+6.0, 34.30S:179.60E, h130km, 46km, mb6.3/3, mbtmp4.0/4, Error ellipse: s-maj=55.8km s-min=25.2km az=46.0

WEL 09 02:59:08.7+1.1, 35.5S:13.17E, h229km, 20km, M3.9/13, ML4.2/6, MLV3.9/13, Error ellipse: s-maj=19.5km s-min=12.8km az=4.9 confirmed

ISC 09 02:50:10.9+1.7, 35.3S:0.1x75.0W+0.1, h232km, 12km, n35, r136/45, mb3.6/3, Off east coast of North Island

Main station data table for the second section, listing stations like MXZ, WMGZ, HAZ, PKGZ, PUZ, etc.

GCG 09 03:05:37.9-0.3, 14.83N:91.77W, h46km, 33km, MD3.5, Guatemala

Station data table for the Guatemala region, listing stations like SMCA, STG8, etc.

STR 09 03:14:21.2+1.3, 46.1N:11.14E, h5km, MLV3.9/11, Error ellipse: s-maj=0.0km s-min=0.0km az=37.3

ROM 09 03:14:22.5+0.1, 45.96N:0.00S:13.85E, 0.01, h14km, ML3.4/132, Error ellipse: s-maj=0.7km s-min=0.6km az=71.0

BEO 09 03:14:22.9+0.7, 46.04N:13.76E, h5km, 3km, ML3.0/9 LDG 09 03:14:22.0+0.3, 45.96N:13.79E, h12km, ML2.9/12, Error ellipse: s-maj=999.9km s-min=999.9km az=99.0

LJU 09 03:14:22.7+0.9, 47.97N:13.79E, h19km, ML2.9 PRU 09 03:14:24.3, 46.03N:13.79E, h10km RHSSO 09 03:14:25.0+0.6, 45.99N:13.90E, h10km, 2km, ML3.0/13

ISC 09 03:14:23.6+0.8, 45.96N:0.01x13.77E, 0.01, h17km, 5km, n229, r156/358, 19C-14D, Northern Italy

Station data table for the Northern Italy region, listing stations like VOJS, etc.

Main station data table for the third section, listing stations like VOJS, SABO, etc.

Station data table for the fourth section, listing stations like SKDS, BAD, etc.

Main station data table for the fifth section, listing stations like LJU, GEF, etc.

Station data table for the sixth section, listing stations like ACOM, etc.

Main station data table for the seventh section, listing stations like ACOM, D2T, etc.

Main station data table for the eighth section, listing stations like FUSE, OBKA, etc.

Main station data table for the ninth section, listing stations like RIY, ZOU, etc.

Main station data table for the tenth section, listing stations like POLC, CIMO, etc.

Main station data table for the eleventh section, listing stations like KBA, VARN, etc.

Table of astronomical observations for 9d 3h, listing station names (e.g., CGRP, CTI), station codes (e.g., AML, Pn), and various parameters like magnitude and error.

Table of astronomical observations for 2019 MAY, listing station names (e.g., GAGG, WTTA, LUSI), station codes (e.g., AML, Pn), and various parameters like magnitude and error.

Table of astronomical observations for 404, listing station names (e.g., SLE, PRU, HAPS), station codes (e.g., P, S), and various parameters like magnitude and error.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes text: UCR 09 03:17.18.1±0.8, 8:52N-82:95W, h41km,2km, MW4.2, Fault plane solution: N1P10±123.15000°, δ30.38000°, λ8.58000°.

9d 5h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, and various station identifiers like JAYA, RCVN, MATN, etc.

IDC 09 04:33:25.2, 1.2, 1.20S:99:67E, h0km, mb4, 1/10, mbmp4.0/12, ML3.8/2, Error ellipse: s-maj=49.2km

s-min=15.9km az=59.0, NEIC 09 04:33:29.6, 1.4, 1.34S:0:07:99:33E:0:09, h35km, 2km, mb4.3/6, Error ellipse: s-maj=17.2km s-min=10.1km

az=57.0, DJA 09 04:33:20.4, 1.1, 1.3S:10:0E, h49km, 16km, M4.2/11, MLV4.2/11

ISC 09 04:33:29.8, 0.7, 1.27S:0:06:99:49E:0:06, h35km, n43, a1566/39, mb4.2/14, Southern Sumatara

Main table of station data for the first section, including codes like SISI, PPI, PBSI, MNSI, etc., and station names like Saiba, Padang Panjang, Pulau Batang, etc.

2019 MAY

Main table of station data for the second section, including codes like MXZ, MKAZ, WMGZ, etc., and station names like Fatakaoka Point, Matakoka Point, Moutakai, etc.

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Main table of station data for the third section, including codes like LHV, 113A, NVAR, etc., and station names like Little Huntton, Mohawk Valley, Mina Array Bea, etc.

CATAC 09 05:18:01.5:0.6,9'N,5:8'3W, h20km,6km,M2,6/7, MLV2,6/7, Error ellipse: s-maj=11.8km s-min=7.7km az=157.8, confirmed

UPA 09 05:18:01.8:1.5,8'58N,82:94W,h33km,6km,MW3.1 ISC 09 05:18:01.6:1.1,8'57N,0:03:82:94W,0:03:h33km,2km,n23,c087/36,4C-1D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Canoas, Esperanza, Volcan, Paso Ancho, Cerro Puerto, etc.

NEIC 09 05:29:59.0:1.6,66:30N,0:02:157:19W,0:04,10km,2km, Error ellipse: s-maj=2.6km s-min=2.4km az=95.0, Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mm=1.80; Mss=1.98; Mss=0.18; Mm=0.37; Mss=1.57; Mr=1.94;

Fault plane solution: M3,16000x10^15 NP1; o=148.81000; s=7.92000; l=-54.74000; NP2; o=226.80000; s=4.03000; l=-144.91000; Principal axes: T 3.1521, P1g16.0000; Azm214.0000; N 0.0070, Plg32.0000; Azm314.0000; P -3.1591, Plg53.0000; Azm102.0000;

AEIC 09 05:29:58.6:1.8,66:30N,0:01:157:24W,0:04,h7km,1km, ML4.4,mb4.3/8(NEIC),ML4.4/154(NEIC),MW4.3/83(NEIC) Error ellipse: s-maj=2.6km s-min=2.0km az=101.0

NEIC 09 05:29:59.2,66:35N,157:39W,h8km IDC 09 05:29:59.9:0.5,66:56N,157:24W,h0km,mb4.1/24, mbmp4.1/28,ML3.9/5,MS3.4/24, Error ellipse: s-maj=12.9km s-min=8.5km az=32.0

ISC 09 05:29:58.2:1.1,66:31N,0:02:157:20W,0:03,h1km,7km, n220,c1805/219,mb4.2/31,MS3.5/20,Northern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Purcell Mouta, Shalercuck Mo, Tagagawik, Roundabout Mou, Honhosa River, Selawik, Redstone River, Honhosa River, Anotleneega Mo, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include VABM Dome, North Star, Ayikyak River, Yukon River, Anvik River, Bear Paw Mtn, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Timber Creek, Porcupine River, Strandline Lake, Donnelly Dome, etc.

9d 6h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BORG Borgarnes, MJAR Matsuno Arr, TXAR Lajitas Array, SONM Songino Array, KSRs Korea Arr, ZALV Zalesovo Beam, TKL Tuckaleechee C, JNU Nakatsu, HFS Hagfors, KIRV Kirov, HHC Hiu-ho-hao-te, ARTI Arti, BVAR Borovoye Array, KURBB Kurchatov Arr, EKA Eskdaleuir, MKAR Makanchi Array, GTA Gaotai, JOW Kunigan Arr, AKTO Aktyubinsk, AKASG Malin Array Be, AAK Ala-Archa, VRAC Vranov, GERES GERS Arr, DAVOX Davos/Dischmat, PZH PanZhiHua, ESDC Sonseca Array, JTS Las Juntas de, CMAR Chiang Mai Arr, EIL Eliat, WRCA Warrunge Arr, VVDA Paso Flores, QSPA South Pole Qui, SNET, GCG, CATAC, ISC, Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC.

2019 MAY

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Bahía Malaga, Bahia Solano, YOTC Yotoco, JAMC Jamundi, PTAC Puntá Ardita, POPAYAN, Santa Ana, ANIL, GUY2C Guyana, Baiboa, Tucumac, AZU Azuero, BETO Betania, PRAC Prada, GCUF Volcan Galeras, PUERTO BERRIO, GMIAL GMIAL, ISLAR, Isla Barro Col, Pacto, Paraso, MACCI Macarena, Meta, IDC, DIA, NEIC, ISC, Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TOO Toolangi, STKA Stephens Creek, JAY Jayapura, BBOO Buclebulo, WRR Warramunga Arr, WBO Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, MTN Mantom Dam, FOR Forest, FITZ Fitzroy Crossi, SOEI Soe, PSA00 Pilbara Seismi, MBWA Marble Bar, SBA Scott Base, UGM Wanganama, OSPA South Pole Qui, QSPA South Pole Qui, TXAR Lajitas Array, CATAC, PAS, NEIC, MEX, ISC, Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like San Felipe Tecate, Tijuana, Dulzura, and various locations in Baja California.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like El Palmar, Qui, and various locations in Guatemala.

CATAC 09 06:35:18.7-0.6, 12 N - 88 W, h28km, M2.2, 8, MLV2.2/8, Error ellipse: s-maj=9.1km s-min=3.8km az=32.5, confirmed, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Cosiguina Volc, Potosi Cosiguini, Cerro Pekin, and various locations in Nicaragua.

OSPL 09 06:38:01.9-0.7, 18.76N, 70.38W, h4km, 5km, ML2.0, SDD 09 06:38:01.5-1.2, 18.73N, 70.36W, h12km, 13km, MD3.1, ML2.2, MW2.8

SSNC 09 06:38:02.0-3.3, 18.34N, 70.49W, h25km, 93km, MD3.0, ML2.2

ISC 09 06:38:00.3-1.0, 18.74N, 0.03, 70.36W, 0.02, h9km, gkm, m2.2, r166/42, 1C, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Alto Bandera, Loma La Naviza, Santo Domingo, and various locations in the Dominican Republic region.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Nagua, Presa de Saban, Hato Mayor del Rey, and various locations in the Dominican Republic region.

ISC 09 06:38:06.8-0.6, 11.59N, 125.67E, h0km, mb4.2/1, mbmp4.2/1, MS3.2/7, Error ellipse: s-maj=30.3km s-min=13.6km az=70.0

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Davao City, Tagaytay City, Guam, and various locations in the Philippines.

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Alice Springs, and various locations in Australia.

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

ISC 09 06:38:13.9-0.6, 11.6N, 0.1, 125.7E, 0.2, h53km, m36, o567/31, mb4.3/22, MS3.2/4, Samar

Table with columns: YKA, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes Yellowknife Ar.

Table with columns: PLCA, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes Paso Flores.

NEIC 09 06:44:21.5-0.8, 17.6S, 0.2, 173.68W, 0.08, h35km, 2km, mb4.6/16, Error ellipse: s-maj=32.5km s-min=9.6km az=15.0

IDC 09 06:44:38.4-2.8, 17.61S, 174.18W, h177km, 25km, mb3.7/1, mbmp4.3/14, MS3.6/6, Error ellipse: s-maj=19.0km s-min=15.1km az=145.0

ISC 09 06:44:30.7-0.6, 17.7S, 0.1, 174.0W, 0.08, h108km, n48, 09 05:22, mb4.4/19, Tonga Islands

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes numerous stations from various regions like Niue, Samoa, Tonga, and the Pacific Islands.

Table listing stations and their characteristics: IUESV, UBDS, COEG, etc. Columns include station name, coordinates, and other parameters.

Table listing stations and their characteristics: KMPM, JCC, KBO, etc. Columns include station name, coordinates, and other parameters.

Table listing stations and their characteristics: KUR, KURil'sk, KUR, etc. Columns include station name, coordinates, and other parameters.

ISK 09 07:01:16.4, 36.64N, 26.67E, h133km, 2km, ML2.3/7, ... Manual Solution by A.Andreu First location: 2019/05/09 07:02:41.

AFAD 09 07:01:18.2, 35.71N, 27.24E, h2km, 1km, ML2.4 ... n33, r1903/42, Dodecanese Islands

Table listing stations and their characteristics: ASTA, BODT, DAT, etc. Columns include station name, coordinates, and other parameters.

Table listing stations and their characteristics: SIGP, KBO, KCPM, etc. Columns include station name, coordinates, and other parameters.

Table listing stations and their characteristics: NEM2, NMR, NMR, etc. Columns include station name, coordinates, and other parameters.

SDD 09 07:04:39.2, 1.1, 78.75N, 70.36W, h12km, 12km, MD2.8, ... OSPL 09 07:04:40.0, 1.4, 78.79N, 70.36W, h7km, 28km, ML1.5

Table listing stations and their characteristics: Code, Station Name, coordinates, and other parameters.

Table listing stations and their characteristics: BMO, ELK, NEW, etc. Columns include station name, coordinates, and other parameters.

SCB 09 08:21:15.9, 1.3, 22.55S, 67.65W, h153km, 18km, ML2.6/2, ... GUC 09 08:21:16.6, 0.9, 22.52S, 67.88W, h190km, 16km, ML2.0

Table listing stations and their characteristics: Code, Station Name, coordinates, and other parameters.

IDC 09 07:14:41.7, 2.8, 40.20N, 128.11W, h0km, mb3.2/3, ... NEIC 09 07:14:43.2, 1.4, 40.63N, 0.08, 127.4W, 0.1, h10km, 2km, ... NCEDC 09 07:14:46.0, 2.4, 40.47N, 0.08, 127.2W, 0.1, h10km, 2km, ...

Table listing stations and their characteristics: Code, Station Name, coordinates, and other parameters.

TRN 09 08:26:57.4, 16.95N, 61.80W, h103km, MD4.0, Near South of Antigua, Leeward Islands

Table with columns: GRIN, M23K, BMRM, L16K, SNH, L18K, KHIT, M13K, M13K, SCM, KLU, L20K, L20K, L17K, WAX, CRQE, MESA, MESA, TGL, L15K, OKTU, N25K, N25K, L14K, L14K, PPLA, PPLA, M24K, M24K, RKAV, K17K, MCARA, MCARA, WACK, PCA, PIMM, K20K, K20K, K15K, K15K, HARP, HARP, NIKH, NIKH, CAST, CAST, CTG, PNL, PNL, M11K, LOGN, BCPM, TRF, TRF, KTH, J18K, RND, O28M, O28M, PAX, PAX, J17K, J17K, CHUM, K13K, M26K, M26K, MCK, MCK, J16K, J19K, J19K, SPIA, O29M, BPAW, BPAW, J20K, P29M, YUK8, J14K, M27K, YUK3, L26K, K24K, YUK6, I17K, BVCY, SIT, RIDG, YUK4, DOT, P30M, NEA2, I20K, L27K, BCAR, HHT, HDA, HDA, GCSA

Table with columns: SCRK, S32K, I21K, COLA, COLA, ILAR, ILAR, ILAR, SKAG, SKAG, SKAG, I23K, J25K, JIS, N30M, H17K, H17K, H18K, O30N, M29M, POKR, H20K, H16K, J26L, H19K, H19K, H21K, H22K, WHY, WHY, N31M, H23K, L29M, P32M, G17K, H24K, PRP, M30M, G18K, WRAP, ANM, G15K, G16K, G19K, I26K, G21K, G21K, Q32M, V35K, P33M, K29M, ATKA, H25L, G23K, M31M, J29N, N32M, I27K, F18K, S34M, G24K, F19K, F17K, F20K, F14K, F21K, I28M, G25K, FARO, COLD, R33M, T35M, H27K, I29M, GAMB, E19K, DLBC, DLBC, DLBC, TNA, E17K, G26K, F24K, E18K, G27K

Table with columns: I30M, BMAR, F25K, E22K, E23K, H29M, E24K, ADK, E20K, MIMPY, F26K, E21K, D17K, E25K, WTLY, D19K, TOLK, EPYK, RDOG, D20K, G29M, D22K, D23K, H31M, C18U, C21K, E27K, TGNT, D24K, G30M, G30M, C16K, B21K, D25K, G31M, G31M, B18K, C24K, C23K, E28M, F30M, F30M, E29M, TOAD, C27K, D27M, B22K, F31M, C26K, D28M, A22K, INK, INK, INK, WRGLY, LLLB, LLLB, SHEM, C36M, C36M, C36M, A36M, A36M, YKA, YKA, YKAW3, YKAW3, YKAW3, B08A, D08A, D08A, NEW, NEW, NEW, BILL, J05D, J05D, YBH, NVAR, NVAR, PETK, PETK, SEY, SEY

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like RLMT Red Lodge, SPR3 Spring Creek, MA2 Magadan, etc.

IDC 09:09:36.58 ± 1.2, 11.25N x 124.99E, h0km, mb3.7/5, mbtmp3.7/5, Error ellipse: s-maj=59.2km s-min=25.5km az=71.0, Leyte

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

NEIC 09:10:08:26.2 ± 1.1, 3.9S; 0.1; 154.02E; 0.07, h387km, 9km, mb4.2/31, Error ellipse: s-maj=22.1km s-min=8.7km az=193.0

IDC 09:10:08:27.5 ± 1.5, 3.87S; 153.72E, h404km, 14km, mb3.5/12, mbtmp4.3/15, Error ellipse: s-maj=16.1km s-min=11.4km az=129.0

IDC 09:10:08:27 ± 0.5, 3.84S; 0.08; 153.84E; 0.07, h398km, n62, a=113/62, mb4.2/30, New Ireland region

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like RABL Rabaul.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like MANU Manus Island, TATA Tatamba Isabel, ALEG Algeciras Malai, etc.

OSPL 09:10:16:59.6 ± 2.8, 18.59N; 69.39W, h104km, 15km, ML3.0 SDD 09:10:17:00.4 ± 1.7, 18.75N; 69.42W, h88km, 6km, MD3.5, ML3.4, MWV3.4

IDC 09:10:16:56.9 ± 1.3, 18.74N; 0.05; 69.42W; 0.03, h107km, 7km, n36, a=192/60, 1C, Dominican Republic region

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like HATOM Hat Mayor del, MIDR Miches, SDD Santo Domingo, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like HIDR, LOSCI San Cristobal, PCDR Punta Cana, DR, etc.

STR 09:10:22:11.2 ± 1.6, 43°N; 10°W, h0km, ML2.4/19, Error ellipse: s-maj=0km s-min=0.0km az=20.2, preliminary MDD 09:10:22:14.2 ± 0.6, 43.00N; 5.97E, h3km, 4km, Mb3.7/9, m_mb2.9/9, Error ellipse: s-maj=4.4km s-min=2.5km az=162.0

ISC 09:10:22:11.6 ± 1.5, 42.99N; 0.08; 5.93E; 0.04, h0km, n37, a=038/38, 1C, Western Mediterranean Sea

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like FLAF Flassans-sur-I, ARTF Artigues, TRIGF Trigrance, etc.

Table with columns: ORIF, EJON, PCP, Station Name, Azimuth, Phase, ID, Time, Res. Includes entries for Oris-en-Rattie, La Jonquera, and Pncastagn.

JMA 09 10:29:10.4-0.2, 41.19N, 0.5-14.0E, h189km, 1km, MV3.1/33, SW OFF HOKKAIDO
IDC 09 10:29:10.3-1.2, 41.196N, 139.83E, h199km, 12km, mb3.0/6, mbmp3.5/9, Error ellipse: s-maj=20.6km s-min=14.6km az=133.0

SKHL 09 10:29:13.3-0.1, 42.10N, 140.50E, h235km, 2km, mb4.4/3, msh5.4/3
ISC 09 10:29:09.8-0.8, 41.92N, 0.0-0.4, 139.89E, 0.06, h197km, 6km, n31, f1929/46, mb3.3/6, HOKKAIDO region

Main station list table for the first section, including stations like JOSH, JYJM, JOMM, JHST, JSR, JSJ, JSH, JKB, JNB, JOT, JIW, JTM, JEW, JSK, JAH, JAH, JANG, JANG, JNBK, JRG, JRG, ASAJ, ASAJ, AKK, AKK, NMR, NMR, YUK, YUK, YUK, YSS, YSS, SHO, SHO, SHO, MJAR, USRK, SEY, MKAR, KURBB, ILAR, BVAR, WRA.

SNET 09 10:29:40.5-1.3, 20N, 90.00W, h27km, ML3.6
CATAC 09 10:29:40.5-0.7, 13.1N, 3.9W, h20km, 4km, M3.6/13, MLV3.6/13, Error ellipse: s-maj=7.4km s-min=5.7km
az=26.9, confirmed

GCG 09 10:29:40.8-1.9, 13.23N, 90.02W, h28km, 10km, MD4.1
ISC 09 10:29:42.5-1.4, 13.22N, 0.07-89.89W, 0.04, h29km, n64, f1910/73, El Salvador

Main station list table for the second section, including stations like JAYA, JAYA, JAYA, JAYA, LALI, LALI, FAME, CEVE, CEVE, SBL, NUBE, NUBE, NUBE, PMON, PMON, PMON, CEDA, CEDA, BOQS, PANCS, PANCS, UES, UES, SLOZ, SLOZ, LOMA, LOMA, UNIC, UNIC, IGH, IGH, LFRS, PAVA, PAVA, PAVA, COEG, COEG, COEG, TECO, UESV, UESV, UESV, SCLA.

Table with columns: SCLA, SCLA, MTO3, MTO3, MTO3, POSS, POSS, POSS, TECA, TECA, EESS, LCY, STGS, STGS, STGS, ANCH, ANCH, MARCA. Includes station names and coordinates.

IDC 09 10:33:52.1-1.0, 12.31S, 74.21W, h0km, mb3.6/4, mbmp3.6/6, ML3.5/2, Error ellipse: s-maj=26.7km s-min=15.0km az=31.0

ISC 09 10:33:58.3-0.8, 12.32S, 0.2-74.2W, 0.1, h35km, n9, e072/8, mb3.6/4, Central Peru

Main station list table for the third section, including stations like NNA, NNA, ATAH, ATAH, LPAZ, PLCA, TXAR, GSPA, TORD, YKA, MKAR.

IDC 09 10:49:35.1-1.1, 28.89S, 176.32W, h0km, mb4.1/4, mbmp4.1/6, ML3.7/2, MS3.6/3, Error ellipse: s-maj=38.9km s-min=22.3km az=146.0

ISC 09 10:49:40.0-1.0, 29.0S, 0.1-176.3W, 0.2, h36km, n13, e099/13, mb4.1/7, Kermalec Islands region

Main station list table for the fourth section, including stations like URZ, URZ, DZM, RPZ, PPT, STKA, STKA, ASAR, ASAR, ASAR, WRA, WRA, VWA, VWA, VWA, MAW, MJAR, KURBB, BVAR, AKASG.

UPP 09 10:51:55.1-0.1, 63.01N, 17.57E, h0km, ML2.5, Unknown
DNK 09 10:51:55.0-0.4, 63.01N, 17.56E, h0km, ML2.5(UPP), Explosion
IDC 09 10:51:56.4-1.0, 63.00N, 17.61E, h0km, mbmp2.7/4, ML1.7/4, Error ellipse: s-maj=13.6km s-min=6.1km az=161.0

ISC 09 10:51:55.0-0.8, 63.02N, 0.0-2.1754E, 0.03, h0km, n22, e066/44, Sweden

Main station list table for the fifth section, including stations like HEMU, HEMU, HEMU, HEMU, HEMU, HASU, HASU, BREU, BREU, NOD, NOD, HUU, HUU, ARNU, ARNU, ARNU, UMEA, UMEA, UMEA, ROTU, ROTU, HFS, HFS, HFS, NOA.

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

SOME 09 11:27:49.5, 44.67N, 82.17E, h15km
NNC 09 11:27:55.1-1.6, 44.71N, 81.84E, h0km, mb3.6, mpv3.4, Error ellipse: s-maj=20.0km s-min=5.9km az=121.0, Suspected Mining explosion.

ISC 09 11:27:55.1-1.4, 44.65N, 0.05-81.87E, 0.08, h0km, n16, e075/4, 3C-3D, Northern Xinjiang

Main station list table for the sixth section, including stations like KAPS, KAPS, MAKZ, MAKZ, MK31, MK31, PDGK, PDGK, SHLS, SHLS, SHLS, TDK, TDK, UZB, UZB, UZB, KPKS, ARXS, ARXS, SATY, SATY, SATY, CHKK, CHKK, CHKK, TNSS, TNSS, TNSS.

GCG 09 11:45:54.7-0.5, 14.73N, 93.40W, h0km, 35km, MD4.2
MEX 09 11:45:55.8-0.7, 14.73N, 93.76W, h19km, 64km, MD3.9
ISC 09 11:45:50.9-2.5, 14.71N, 0.06-93.73W, 0.04, h15km, 15km, n17, f1929/34, Near coast of Chiapas

Main station list table for the seventh section, including stations like PCIG, PCIG, THIG, PATR, PAVE, PAVE, RTAL, RTAL, NILT, TGIG, TGIG, CCIG, CCIG, HUEH, HUEH, STGS, STGS, HUG, HUG, UXUV, UXUV, NEUV, NEUV, TXIG, TOIG, TOIG.

STR 09 11:49:06.0-0.5, 45N, 2.2W, h0km, MLV1.4/7, Error ellipse: s-maj=0.0km s-min=0.0km az=74.5, preliminary, France

Main station list table for the eighth section, including stations like GRN, GRN, OGS, OGS, ORIF, ORIF, OGS3, OGS3, SSB, SSB.

NIED 09 12:02:40.8, 35.17N, 139.32E, h148km, MW3.8, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mm:3.2; Mbb:3.74; Mbb:0.52; Mm:2.92; Mbb:1.00; Mm:1.68; Fault plane solution: Mo:4.960000x10^14 NP1: 0.307, 0.00000, 0.330, 0.00000, 1.136, 0.00000. NP2: 0.376, 0.00000, 0.688, 0.00000, 1.665, 0.00000. NEIC 09 12:02:40.4, 2.3, 35.14N, 0.07, 139.29E, 0.09,

h144km,8km,mb4.2/10 Error ellipse: s-maj=10.9km
s-min=9.6km az=85.0
IDC 09 12:02:40.5-0.5,35°12'N-139°19'E,h149km,4km,mb3.5/13
mbmp3,9/15, Error ellipse: s-maj=18.6km s-min=5.8km
az=69.0
JMA 09 12:02:40.8-0.1,35°22'N-0.5°13'39"E,0.6,h148km,1km,
MV3,7/39,SAGAMI BAY REGION
JMA Felt J1 at SAGAMI BAY REGION
ISC 09 12:02:40.5-0.6,35.21N-104.139E±0.05,h151km,5km,
h80u,+r127/91,mb3.9/20,AD,Near south coast of eastern

NVAR Mina Array Bea 77.44 52 P P 12 14 21.4 +2.0
comp=2.0,7mm,0.8s,baz=278,slow=4.3,SNR=5.5
CLL Collim 81.81 329 eP P 12 14 43.0 +0.6
Lajitas Array 81.81 329 eP P 12 15 35.6 +0.4
TXAR comp=2.0,2mm,0.7s,baz=350,slow=7.6,SNR=2.0
comp=2.0,2mm,0.7s

URZ Urewera 31.22 155 LR LR 12 92 34.6
comp=2.297mm,19.5s,baz=82,slow=33
BKZ Black Stump Fm 31.76 157 P P 12 21 42.4 +0.9
Iamb Iamb 31.76 157 P Iamb 12 22 17.9

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Rows include JOD2 Odawara 2, AJI Ajiro 2, JIM2 Oshima 3, JIZS Izushimoda, JYV Ryogami san, SHZ3 Shizuoka 3, JSG Sagara, JAG Ashikaga, BSO1 Boso 1, MJAR Matsushiro Arr, MJAR 155mm,0.4s,baz=164,slow=10,SNR=737

IDC 09 12:03:48.5-1.4,3°84'S:134.83E,h0km,mb3.7/2,
mbmp3,9/5,ML3.8/3, Error ellipse: s-maj=39.8km
s-min=29.7km az=122.2
DJA 09 12:03:51.1-0.5,4°S:133°5'E,h13km,4km,M4.0/10,
mb4.1/5,MLV4.0/10
ISC 09 12:03:49.9-0.8,4.09S;0.06:134.90E;0.06,h23km,n15,
±266/21,Irian Jaya region

URZ Urewera 31.22 155 LR LR 12 92 34.6
BKZ Black Stump Fm 31.76 157 P P 12 21 42.4 +0.9
Iamb Iamb 31.76 157 P Iamb 12 22 17.9
KNRA Kununurra 32.01 257 P P 12 21 43.6 -0.3
BBOO Buckleboo 32.16 222 P P 12 21 45.4 +0.4
RPZ Rata Peaks 32.16 167 LR LR 12 24 22.5

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Rows include MAJ0 Matsushiro, MAJ0 Matsushiro, MAT Matsushiro, MAT Matsushiro, MJB9 Matsu-Tunnel, JGF Kuroka, JGF Kuroka, JGF Kuroka, INU Inuyama, INU Inuyama, INU Inuyama, JHJ Hachioji jima 2, JHJ Hachioji jima 2

Code Station Name Δ° AZ' Phase ID Time Res ISC
KMPI Kaimana, Papua 1.26 290 P P 12 10 14.3 +1.3
SRPI Serui, Papua 2.58 31 P P 12 04 29.2 -1.1
RKPI Ransiki, Papua 2.66 344 P P 12 04 55.9 -5.1
FAKI Fak Fak 2.89 294 P P 12 04 35.3 +0.1
BAKI Biak 3.12 23 P P 12 04 36.8 -0.9
SAKI Sarmi 4.34 61 P P 12 05 14.1 -0.2
SWI Sorong 4.84 311 P P 12 05 01.7 +0.3
SWI SWI 4.84 311 P P 12 05 01.7 +0.3
JAY Jayapura 6.00 75 P P 12 05 17.8 +0.3
SANI Sanana 9.12 283 P P 12 06 00.4 +0.1
WRA Warramunga Arr 15.77 182 Pn P 12 07 31.1 +0.3

URZ Urewera 31.22 155 LR LR 12 92 34.6
BKZ Black Stump Fm 31.76 157 P P 12 21 42.4 +0.9
Iamb Iamb 31.76 157 P Iamb 12 22 17.9
KNRA Kununurra 32.01 257 P P 12 21 43.6 -0.3
BBOO Buckleboo 32.16 222 P P 12 21 45.4 +0.4
RPZ Rata Peaks 32.16 167 LR LR 12 24 22.5
FITZ Fitzroy Crossi 35.26 253 P P 12 22 10.0 -2.1
FITZ Fitzroy Crossi 35.26 253 P P 12 22 10.0 -2.1
SANI Sanana 35.93 281 P P 12 22 15.7 -2.2
LUWI Luwuk 35.93 281 P P 12 22 45.7 -0.7
APSI Ampapa 39.00 29 P P 12 22 52.5 -3.1

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Rows include JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2

NOU 09 12:15:20.1,10.37'S;-161.19'E,h13km,mb4.5/15,Solomon
Islands
NEIC 09 12:15:22.1±1.2,10.3S;0.1:161.2E;0.1,h45km,7km,
mb4.9/73, Error ellipse: s-maj=17.9km s-min=12.0km
az=51.0
GCMT 09 12:15:22.1±0.4,10.36S;0.04:161.14E;0.03,h36km,2km,
MW4.9/73, Moment Tensor Solution, s14,c15, s73,c91;
Duration: 0 Moment tensor: Scales 1016Nm Mw=1.75;2.7;
Mw=1.43±.16; Mw=0.32±.16; Mw=1.47±.17; Mw=0.92±.16;
Mw=2.10±.18; Best double couple: Mw=1.8700x10^16
NP1±0.101.00000°,δ22.00000°,λ-127.00000°. NP2:
ε±320.00000°,δ73.00000°,λ-76.00000°. Principal axes:
T: 3.1900, P1g27.0000°, Azm39.0000°; N: -0.0020,
P1g13.0000°, Azm136.0000°; P: -3.1840, P1g60.0000°.
Azm250.0000°; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

URZ Urewera 31.22 155 LR LR 12 92 34.6
BKZ Black Stump Fm 31.76 157 P P 12 21 42.4 +0.9
Iamb Iamb 31.76 157 P Iamb 12 22 17.9
KNRA Kununurra 32.01 257 P P 12 21 43.6 -0.3
BBOO Buckleboo 32.16 222 P P 12 21 45.4 +0.4
RPZ Rata Peaks 32.16 167 LR LR 12 24 22.5
FITZ Fitzroy Crossi 35.26 253 P P 12 22 10.0 -2.1
FITZ Fitzroy Crossi 35.26 253 P P 12 22 10.0 -2.1
SANI Sanana 35.93 281 P P 12 22 15.7 -2.2
LUWI Luwuk 35.93 281 P P 12 22 45.7 -0.7
APSI Ampapa 39.00 29 P P 12 22 52.5 -3.1

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Rows include JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2, JHJ Hachioji jima 2

IDC 09 12:15:24.2±1.8,10.39S;160.93E,h72km,13km,mb4.0/19,
mbmp4,3/20,MS4.7/53 Error ellipse: s-maj=20.4km
s-min=12.7km az=87.0
ISC 09 12:15:23.1-0.4,10.37'S;-0.05:161.19'E;0.05,h62km,n178,
±160/113,mb4.8/66,1C-D,Bougainville-Solomon
Islands region

URZ Urewera 31.22 155 LR LR 12 92 34.6
BKZ Black Stump Fm 31.76 157 P P 12 21 42.4 +0.9
Iamb Iamb 31.76 157 P Iamb 12 22 17.9
KNRA Kununurra 32.01 257 P P 12 21 43.6 -0.3
BBOO Buckleboo 32.16 222 P P 12 21 45.4 +0.4
RPZ Rata Peaks 32.16 167 LR LR 12 24 22.5
FITZ Fitzroy Crossi 35.26 253 P P 12 22 10.0 -2.1
FITZ Fitzroy Crossi 35.26 253 P P 12 22 10.0 -2.1
SANI Sanana 35.93 281 P P 12 22 15.7 -2.2
LUWI Luwuk 35.93 281 P P 12 22 45.7 -0.7
APSI Ampapa 39.00 29 P P 12 22 52.5 -3.1

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Rows include HURO Huro Makira, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara

Code Station Name Δ° AZ' Phase ID Time Res ISC
HURO Huro Makira 0.70 98 P Op ISC 12 15 33.9 -3.6
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4

URZ Urewera 31.22 155 LR LR 12 92 34.6
BKZ Black Stump Fm 31.76 157 P P 12 21 42.4 +0.9
Iamb Iamb 31.76 157 P Iamb 12 22 17.9
KNRA Kununurra 32.01 257 P P 12 21 43.6 -0.3
BBOO Buckleboo 32.16 222 P P 12 21 45.4 +0.4
RPZ Rata Peaks 32.16 167 LR LR 12 24 22.5
FITZ Fitzroy Crossi 35.26 253 P P 12 22 10.0 -2.1
FITZ Fitzroy Crossi 35.26 253 P P 12 22 10.0 -2.1
SANI Sanana 35.93 281 P P 12 22 15.7 -2.2
LUWI Luwuk 35.93 281 P P 12 22 45.7 -0.7
APSI Ampapa 39.00 29 P P 12 22 52.5 -3.1

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, ISC. Rows include HURO Huro Makira, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara

Code Station Name Δ° AZ' Phase ID Time Res ISC
HURO Huro Makira 0.70 98 P Op ISC 12 15 33.9 -3.6
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4
HNR Honiara 1.54 307 P P 12 15 46.0 -2.4

URZ Urewera 31.22 155 LR LR 12 92 34.6
BKZ Black Stump Fm 31.76 157 P P 12 21 42.4 +0.9
Iamb Iamb 31.76 157 P Iamb 12 22 17.9
KNRA Kununurra 32.01 257 P P 12 21 43.6 -0.3
BBOO Buckleboo 32.16 222 P P 12 21 45.4 +0.4
RPZ Rata Peaks 32.16 167 LR LR 12 24 22.5
FITZ Fitzroy Crossi 35.26 253 P P 12 22 10.0 -2.1
FITZ Fitzroy Crossi 35.26 253 P P 12 22 10.0 -2.1
SANI Sanana 35.93 281 P P 12 22 15.7 -2.2
LUWI Luwuk 35.93 281 P P 12 22 45.7 -0.7
APSI Ampapa 39.00 29 P P 12 22 52.5 -3.1

9d 12h

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

2019 MAY

Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time Res, h m s, ISC. Includes stations like Papeete, Stephens Creek, Jayapura, etc.

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Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time Res, h m s, ISC. Includes stations like Anpu, Datong, Kuangyingshan, etc.

mb4.7/11,mb5.1/7,MLV4.8/6,Mw(mB)4.5/7
NEIC 09 12:36:46.71.9,8.21N,0.10,126.7E:0.1,h66km,6km,
mb4.4/19,Error ellipse: s-maj=19.3km s-min=13.9km
az=95.0

ICC 09 12:36:46.6:1.8,8.22N,126.66E,h79km,17km,mb3.7/19,
mbmp4.1/20,MS3.8/3,Error ellipse: s-maj=21.4km
s-min=12.0km az=90.0

ISC 09 12:36:45.6:0.5,8.21N,0.06,126.68E:0.10,h68km,n61,
t1921/54,mb4.3/28,Mindanao

Table of seismic station data for the 2019 May events, including station names, coordinates, and recorded times.

Table of seismic station data for the 2019 May events, including station names, coordinates, and recorded times.

Table of seismic station data for the 2019 May events, including station names, coordinates, and recorded times.

Table of seismic station data for the 2019 May events, including station names, coordinates, and recorded times.

Table of seismic station data for the 2019 May events, including station names, coordinates, and recorded times.

TAN 09 13:00:45.2,20.34S,45.56E,h41km,ML3.8,Fault plane
solution: NP1:0.120,80000°,046.40000°,Madagascar

Table of seismic station data for the 2019 May events, including station names, coordinates, and recorded times.

ICC 09 13:10:27.0:1.9,38.91N:140.60E,h143km,17km,mb3.5/9,
mbmp3.9/10,Error ellipse: s-maj=34.5km s-min=15.4km
az=81.0

JMA 09 13:10:28.3:0.1,38.9N:140.5E:0.6,h142km,
MV3.2/29,NORTHWEST PACIFIC

Table of seismic station data for the 2019 May events, including station names, coordinates, and recorded times.

Table of seismic station data for the 2019 May events, including station names, coordinates, and recorded times.

ICC 09 13:11:47.7:4.4,8.5230N:155.35E,h269km,11km,mb2.8/4,
mbmp3.5/4,Error ellipse: s-maj=137.4km
s-min=25.4km az=168.0,Northwest of Kuril Islands

HEL 09 13:17:21.2:0.2,67.90N:33.74E,h0km,ML1.9,Suspected
explosion

KOLA 09 13:17:22.9,67.67N:34.23E,h0km,ML2.2,Error ellipse:
s-maj=3.2km s-min=1.6km az=120.0,Murmansk region,
Kirovsk district

ICC 09 13:17:24.1:2.1,67.66N:33.76E,h0km,mbmp3.3/3,
ML2.3/3,Error ellipse: s-maj=22.4km s-min=10.3km
az=80.0

ISC 09 13:17:21.3:0.9,67.66N:03.3428E:0.04,h0km,n28,
t1951/44,Baltic States-Belarus-Northwestern Russia

Table of seismic station data for the 2019 May events, including station names, coordinates, and recorded times.

TRN 09 13:19:04.9,12.50N:61.24W,h121km,MD3.7,North-east
of Grenada, East of Cariacou, Windward Islands

Table of seismic station data for the 2019 May events, including station names, coordinates, and recorded times.

ICC 09 12:42:31.5:1.7,35.77N:141.02E,h0km,mb3.3/4,
mbmp3.4/7,ML3.0/3,Error ellipse: s-maj=42.1km
s-min=20.2km az=78.0

JMA 09 12:42:34.9:0.2,35.8N:141.0E:1.1E:,h30km,1km,
MV3.0/33,NEAR CHOSHI CITY

JMA Felt J1 at NEAR CHOSHI CITY

ISC 09 12:42:33.5:2.2,35.81N:0.05:141.01E:0.10,h16km,12km,
n18,t090/18,mb3.5/4,Near east coast of eastern

9d 13h

Table with columns: SVN, Savane Anatole, 2.33, 2, eP, Pn, 13 19 43.5 +0.8

IDC 09 13:29:01.6:25.0, 0.95N:124.49E, h650km, 445km

Table with columns: Code, Station Name, Az, Az50, Phase ID, Time Res, h, m, s, ISC

BEO 09 13:35:01.4:0.6, 39.14N:21.76E, h0km, ML3.2/13

SOF 09 13:35:02.1:39.21N:0.04:21.79E, 0.05, h10km, 1km

MD3.5/3

ATH 09 13:35:02.2:39.23N:21.58E, h14km, ML3.4/36, Manual

Solution by A. Agalos First location: 2019/05/09 13:35:55

This location: 2019/05/09 13:46:54 ML Amplitudes are

expressed in micrometers. All distances are expressed in

degrees Latitude uncertainty: 0 km; Longitude uncertainty:

0 km

IDC 09 13:35:05.8:2.4, 39.63N:22.24E, h0km, mb3.9/5,

mbmp3.7/7, ML2.8/1, Error ellipse: s-maj=51.6km

s-min=22.5km az=44.0

IDC 09 13:35:01.3:1.1, 39.17N:0.02:21.60E, 0.02, h4km, 8km,

n116, c19:10/155, mb3.8/5, Greece

Main station list table with columns: Code, Station Name, Az, Az50, Phase ID, Time Res, h, m, s, ISC

2019 MAY

Table with columns: VTS, Vitoshka, 3.66, 19, P, Pn, 13 35 59.7 +0.8

Table with columns: VTS, Vitoshka, 3.66, 19, ePn, Pn, 13 35 59.3 +0.4

Table with columns: VTS, Vitoshka, 3.66, 19, eS, Pn, 13 36 39.9 -2.7

Table with columns: VTS, Vitoshka, 3.66, 19, ePn, Pn, 13 36 01.0 -0.3

Table with columns: VTS, Vitoshka, 3.66, 19, ePn, Pn, 13 36 07.7 -0.5

Table with columns: VTS, Vitoshka, 3.66, 19, ePn, Pn, 13 36 09.9 +2.7

Table with columns: VTS, Vitoshka, 3.66, 19, ePn, Pn, 13 36 06.7 -0.5

Table with columns: VTS, Vitoshka, 3.66, 19, ePn, Pn, 13 36 12.1 +1.3

Table with columns: VTS, Vitoshka, 3.66, 19, ePn, Pn, 13 36 12.1 +1.3

Table with columns: VTS, Vitoshka, 3.66, 19, ePn, Pn, 13 36 12.1 +1.3

Table with columns: VTS, Vitoshka, 3.66, 19, ePn, Pn, 13 36 12.1 +1.3

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Table with columns: NHW, Hsinchu, 0.51, 261, iP, Sn, 13 37 39.4 +0.8

Table with columns: NHW, Hsinchu, 0.51, 261, iP, Sn, 13 37 38.5 +0.7

Table with columns: NHW, Hsinchu, 0.51, 261, iP, Sn, 13 37 39.9 +0.7

Table with columns: NHW, Hsinchu, 0.51, 261, iP, Sn, 13 37 39.3 +0.6

Table with columns: NHW, Hsinchu, 0.51, 261, iP, Sn, 13 37 39.3 +0.6

Table with columns: NHW, Hsinchu, 0.51, 261, iP, Sn, 13 37 39.3 +0.6

Table with columns: NHW, Hsinchu, 0.51, 261, iP, Sn, 13 37 39.3 +0.6

Table with columns: NHW, Hsinchu, 0.51, 261, iP, Sn, 13 37 39.3 +0.6

Table with columns: NHW, Hsinchu, 0.51, 261, iP, Sn, 13 37 39.3 +0.6

Table with columns: NHW, Hsinchu, 0.51, 261, iP, Sn, 13 37 39.3 +0.6

Table with columns: NHW, Hsinchu, 0.51, 261, iP, Sn, 13 37 39.3 +0.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHN1, WVUC, CHN8, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACCO, CERRO LA CRUZ, ACCL, etc.

NOU 09 13:48:42.5,37.78S:176.37E,h246km,MLV4,0/15,North Island, New Zealand

WEL 09 13:48:49.1,0.7,38.5,17.6E,1,175km,6km,M3,8/3,ML4,1/83,MLV3,8/83,Error ellipse: s-maj=4.8km s-min=2.2km az=48.0,confirmed

ISC 09 13:48:43.0,1.8,37.78S:006.176.30E,0.06,h224km,10km,n165,e1994/167,North Island

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

ISC 09 13:52:58.3,2.5,31.83S:66.50W,h111km,31km,mb3,8/3,mbtmp4,0/6,Error ellipse: s-maj=5.1km s-min=1.8,3km az=104.0

SJA 09 13:52:59.6,0.7,31.85S:66.85W,h129km,4km,ML3.7,MV3.8

ISC 09 13:52:59.8,0.8,31.81S:0.04,66.80W,0.04,h131km,7km,n40,e1938/60,mb4,2/3,La Rioja Province

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

DJA 09 14:04:09.5,0.5,3.3N:4.12E,1,174km,6km,M3,8/8,mb3,6/1,MLV3,9/8,Almahera

UCR 09 14:08:37.6,1.4,10.11N:84.21W,h82km,2km,MW4.1 UPR 09 14:08:38.2,1.6,10.19N:84.08W,15km,15km,MW4.0

CATAC 09 14:08:38.9,0.3,10.12N:84.44W,h54km,5km,MV7/11,MLV3,7/11,Error ellipse: s-maj=6.6km s-min=3.4km az=49.6,confirmed

ISC 09 14:08:38.9,1.3,10.09N:0.03,84.22W,0.03,h75km,5km,n129,e083/208,14C-43D,Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VPS8, GREC, TCS1, etc.

2019 MAY

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station codes (TAGO, VICA, LARA, etc.).

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station codes (JAY, JAY, PMG, WRA, FITZ, etc.).

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station codes (ISC 09 15:49:01.0, BSO1, BSO2, etc.).

ISC 09 15:06:25.51, 0.301S, 142.02E, h0km, mb3.9/8, mbmp3.9, ML3.8/1, MS3.7/4, Error ellipse: s-maj=25.5km s-min=19.8km az=77.0

ISC 09 15:49:00.7, 1.634S, 83N, 141.67E, h0km, mb3.8/4, mbmp3.9/8, ML3.9/3, MS2.6/2, Error ellipse: s-maj=40.4km s-min=17.6km az=71.0

ISC 09 15:49:05.2, 0.435N, 141.14E, h39km, 2km, MV3.0/27, E OFF BOSO PENINSULA

Table with columns: Code, Station Name, Az, Phase, h, m, s, Res, ISC. Includes stations like SCML, P19K, P23K, P23K, N19K, O19K, etc.

Table with columns: Code, Station Name, Az, Phase, h, m, s, Res, ISC. Includes stations like OHAK, PTPK, O16K, L26K, N16K, etc.

Table with columns: Code, Station Name, Az, Phase, h, m, s, Res, ISC. Includes stations like T 1.8410, P16G5, MSVF, MSVF, HNR, etc.

IDC 09 16:01:09.3-0.7, 16:27S:178.18E, h0km, mb4.1/9, mbmp4.1/9, MS3.9/40, Error ellipse: s-maj=27.1km s-min=17.0km az=118.0
GCMT 09 16:01:14.0-0.3, 16:08S:0:02:178.26E:0:02, h20km, 1km, MW4.8/85, Moment Tensor Solution. s5,c16; s85,c116; Duration: 0 Moment tensor: Scale 10^16Nm; Mw=10.5; 13; Mw=1.18; 10; Mw=0.68; 9; Mw=0.55; 17; Mw=1.8; 0.2; Mw=0.4; 17; Best double couple: Mw=1.7000x10^16 Np1=256.00000; 877.00000; 1,-6.00000; NP2: q=347.00000; 384.00000; 1,-167.00000. Principal axes:

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like Tekirdag, Sarkoy-Tekirda, Yaylacik, Kirkkareli, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SVN Savane Anatole, ILAM Ilet Lapin Mar, BIM Bigot, etc.

ISN 09 16:15:03.7, 0.6, 34.778N, 46.25E, h11km, 8km, ML2.5
TEH 09 16:15:04.2, 34.777N, 46.23E, h10km, 50km
ISC 09 16:15:04.3, 1.1, 34.778N, 0.0, 46.24E, 0.04, h14km, 8km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDHR Dehrash, IGHG Galeghazi, ILIN Lien, etc.

TXNET 09 16:19:27.3, 31.2N, 0.6, 103.3W, 0.6, h3km, ML2.8/8, Error ellipse: s-maj=1.0km s-min=0.9km az=57.6, final
NEIC 09 16:19:27.3, 1.1, 31.215N, 0.0, 103.28W, 0.02, h5km, 3km, mb_Lg2.7/47, ML2.7/80, 3C-1D, Error ellipse: s-maj=1.9km s-min=1.8km az=135.0, Western Texas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TPB16 Coyoynosa, TPB04 Verhalen, TPB03 Saragosa, etc.

Table with columns: APMT, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like BRDY Brady, HNDO Hondo, AMTX Amarillo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CCB, B22K, D24K, etc.

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

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

UPP 09 17:00:31.4, 0.1, 67.05N:20.97E, h0km, ML2.5, Unknown

IDC 09 17:00:32.3, 0.1, 67.06N:21.08E, h0km, mbmp3.2/4, ML2.1/4, Error ellipse: s-maj=16.4km s-min=7.2km az=102.0

ISC 09 17:00:32.0, 0.8, 67.07N:0.03, 20.91E:0.04, h10km, n16, s160622, Sweden

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

ISC 09 17:00:32.0, 0.8, 67.07N:0.03, 20.91E:0.04, h10km, n16, s160622, Sweden

ISC 09 17:00:32.0, 0.8, 67.07N:0.03, 20.91E:0.04, h10km, n16, s160622, Sweden

ISC 09 17:00:32.0, 0.8, 67.07N:0.03, 20.91E:0.04, h10km, n16, s160622, Sweden

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

ISC 09 17:00:32.0, 0.8, 67.07N:0.03, 20.91E:0.04, h10km, n16, s160622, Sweden

ISC 09 17:00:32.0, 0.8, 67.07N:0.03, 20.91E:0.04, h10km, n16, s160622, Sweden

ISC 09 17:00:32.0, 0.8, 67.07N:0.03, 20.91E:0.04, h10km, n16, s160622, Sweden

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

DJA 09 17:06:11.3, 1.1, 11.57S:117.7E, h15km, 8km, M4, 4/13, mB4.8, 2, mb4.4/6, MLV4.4/13, Mw(mB)4.0/2

IDC 09 17:06:13.0, 1.1, 11.47S:117.80E, h0km, mb3.8/3, mbmp3.9/7, ML3.8/4, Error ellipse: s-maj=43.7km s-min=20.0km az=66.0

ISC 09 17:06:12.4, 0.8, 11.57S:0.06, 117.56E:0.06, h34km, n28, s3503/32, mb4.0/3, South of Sumbawa

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

ISC 09 17:06:12.4, 0.8, 11.57S:0.06, 117.56E:0.06, h34km, n28, s3503/32, mb4.0/3, South of Sumbawa

ISC 09 17:06:12.4, 0.8, 11.57S:0.06, 117.56E:0.06, h34km, n28, s3503/32, mb4.0/3, South of Sumbawa

ISC 09 17:06:12.4, 0.8, 11.57S:0.06, 117.56E:0.06, h34km, n28, s3503/32, mb4.0/3, South of Sumbawa

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

ISC 09 17:06:12.4, 0.8, 11.57S:0.06, 117.56E:0.06, h34km, n28, s3503/32, mb4.0/3, South of Sumbawa

ISC 09 17:06:12.4, 0.8, 11.57S:0.06, 117.56E:0.06, h34km, n28, s3503/32, mb4.0/3, South of Sumbawa

ISC 09 17:06:12.4, 0.8, 11.57S:0.06, 117.56E:0.06, h34km, n28, s3503/32, mb4.0/3, South of Sumbawa

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

NEIC 09 17:23:24.0, 1.9, 11.82N:0.06, 86.53W:0.05, h87km, 4km, mb4.5/152, Error ellipse: s-maj=10.3km s-min=5.8km az=211.0

UCR 09 17:23:23.8, 1.2, 11.81N:86.54W, h87km, MW5.0, IDC 09 17:23:25.0, 0.5, 12.019N:86.05W, h100km, 5km, mb3.8/14, mbmp3.4/15, ML3.4/11, Error ellipse: s-maj=26.5km s-min=6.9km az=61.0

CATAC 09 17:23:25.0, 3.1, 12.02N:86.75W, h61km, 2km, M4, 9/60, mb5.1/2, mb5.2/1, MLV4.7/60, Mw(mB)4.6/1, Error ellipse: s-maj=3.9km s-min=1.6km az=34.8, confirmed

GCG 09 17:23:29.3, 2.5, 12.03N:86.75W, h61km, 306km, MD4.9, SNET 09 17:23:40.3, 10.0, 12.70N:87.05W, h34km, ML1.3, IDC 09 17:23:23.6, 0.5, 11.86N:0.03, 86.51W:0.03, h91km, 3km, n303, s1812/281, mb4.4/75, ID, Near coast of Nicaragua

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

ISC 09 17:23:23.6, 0.5, 11.86N:0.03, 86.51W:0.03, h91km, 3km, n303, s1812/281, mb4.4/75, ID, Near coast of Nicaragua

ISC 09 17:23:23.6, 0.5, 11.86N:0.03, 86.51W:0.03, h91km, 3km, n303, s1812/281, mb4.4/75, ID, Near coast of Nicaragua

ISC 09 17:23:23.6, 0.5, 11.86N:0.03, 86.51W:0.03, h91km, 3km, n303, s1812/281, mb4.4/75, ID, Near coast of Nicaragua

ISC 09 17:23:23.6, 0.5, 11.86N:0.03, 86.51W:0.03, h91km, 3km, n303, s1812/281, mb4.4/75, ID, Near coast of Nicaragua

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

ISC 09 17:23:23.6, 0.5, 11.86N:0.03, 86.51W:0.03, h91km, 3km, n303, s1812/281, mb4.4/75, ID, Near coast of Nicaragua

ISC 09 17:23:23.6, 0.5, 11.86N:0.03, 86.51W:0.03, h91km, 3km, n303, s1812/281, mb4.4/75, ID, Near coast of Nicaragua

ISC 09 17:23:23.6, 0.5, 11.86N:0.03, 86.51W:0.03, h91km, 3km, n303, s1812/281, mb4.4/75, ID, Near coast of Nicaragua

ISC 09 17:23:23.6, 0.5, 11.86N:0.03, 86.51W:0.03, h91km, 3km, n303, s1812/281, mb4.4/75, ID, Near coast of Nicaragua

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

IDC 09 17:08:09.6, 1.1, 13.98N:88.94W, h0km, mb3.7/3, mbmp3.7/4, ML3.8/1, Error ellipse: s-maj=73.0km s-min=17.3km az=48.0

CATAC 09 17:08:11.9, 0.5, 13.12N:89.0W, h15km, 3km, M4, 2/24, MLV4.2/24, Error ellipse: s-maj=5.7km s-min=5.1km az=25.5, confirmed

GCG 09 17:08:13.4, 1.3, 13.25N:89.01W, h28km, 10km, MD4.4, ML2.9, MW3.8, SNET 09 17:08:15.2, 2.3, 13.30N:89.90W, h32km, ML3.9, IDC 09 17:08:10.9, 1.4, 13.15N:0.05, 89.94W:0.04, h15km, 2km, n77, s1504/88, 12C-4D, El Salvador

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

ISC 09 17:08:10.9, 1.4, 13.15N:0.05, 89.94W:0.04, h15km, 2km, n77, s1504/88, 12C-4D, El Salvador

ISC 09 17:08:10.9, 1.4, 13.15N:0.05, 89.94W:0.04, h15km, 2km, n77, s1504/88, 12C-4D, El Salvador

ISC 09 17:08:10.9, 1.4, 13.15N:0.05, 89.94W:0.04, h15km, 2km, n77, s1504/88, 12C-4D, El Salvador

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

ISC 09 17:08:10.9, 1.4, 13.15N:0.05, 89.94W:0.04, h15km, 2km, n77, s1504/88, 12C-4D, El Salvador

ISC 09 17:08:10.9, 1.4, 13.15N:0.05, 89.94W:0.04, h15km, 2km, n77, s1504/88, 12C-4D, El Salvador

ISC 09 17:08:10.9, 1.4, 13.15N:0.05, 89.94W:0.04, h15km, 2km, n77, s1504/88, 12C-4D, El Salvador

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

Table of meteorological data for stations 9d 17h, including columns for station name, coordinates, and various parameters like elevation and wind speed.

Table of meteorological data for stations 2019 MAY, including columns for station name, coordinates, and various parameters like elevation and wind speed.

Table of meteorological data for stations 424, including columns for station name, coordinates, and various parameters like elevation and wind speed.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like ZALV, KURK, WRRA, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like TUMD, MKZ, KDTR, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like KMNR, KMR, KZ, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like TUMD, MKZ, KDTR, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like I30M, INK, I11N2, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like H11N3, H11N1, H11S1, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like LZH, L3H, GTA, etc.

TXNET 09 17:51:42.8, 31.7N; 0.7, 104.3W; 0.6, h5km; 1km, ML2.3/7, 1C-3D, Error ellipse: s-maj=1.1km s-min=0.9km az=31.3, final, Western Texas

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like TPB11, PECS, TPB12, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like KRSR, KRSR, KRSR, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like SPITS, KURK, KURK, etc.

KRSC 09 18:06:32.9; 1.1, 53.65N; 158.91E, h159km, 11km, M4.3, MOS 09 18:06:33.1; 0.9, 53.68N; 158.78E, h165km, 5km, 3.9, Error ellipse: s-maj=1.5km s-min=1.0km az=77.6

IDC 09 18:06:34.0; 4.0, 6.5, 85N; 158.53E, h153km, mb, 3.4/2.0, mbmp, 3.9/2.3, Error ellipse: s-maj=13.8km s-min=11.4km az=146.0

NEIC 09 18:06:34.2; 1.1, 53.81N; 0.2, 158.4E; 0.2, h153km; 11km, mb, 1/37, Error ellipse: s-maj=24.3km s-min=15.0km az=149.0

ISC 09 18:06:33.9; 0.5, 53.67N; 0.0, 158.89E; 0.0, h160km, 5km, n173, o19/20/1, mb, 0.4/3, 5C, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like KRSR, KRSR, KRSR, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like KRSR, KRSR, KRSR, etc.

Table with columns: Code, Station Name, Az, El, AzE, Phase, ID, ISC, h, m, s, ISC, Res. Includes stations like CMAR, PDAR, FINES, etc.

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

TXNET 09 18:16:53.0; 31.7N; 0.8, 104.4W; 0.7, h5km; 2km, ML2.8/7, Error ellipse: s-maj=1.3km s-min=1.0km az=27.4, final NEIC 09 18:16:52.8; 0.4, 31.66N; 0.0, 104.35W; 0.0, 2, h5km; 1km, mb, 1/37, Error ellipse: s-maj=24.3km s-min=15.0km az=155.0, Western Texas

9d 18h

Table with columns: ODS, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ODSa Odessa, TMB04 Seminole, TMB01 Midkiff, etc.

MEX 09 18:23:58.7±0.13, 62N:92:86W, h10km, MDA.7
NEIC 09 18:23:59.7±2.2, 31.91N:0:05:92:66W±0.06, h10km, 1km, mb4.7/347, Mdt4.7/83(MEX), Error ellipse: s-maj=1.0, 0.3m

CATAC 09 18:24:00.2±1.1, 14°N±6.9°W±3.5, h2km, 7km, M4.9/28, mb5.2/12, mb5.4/10, MLV4.8/28, Mw(mb)4.9/10, Error ellipse: s-maj=1.3, 7km s-maj=6.0km az=22.9 confirmed
GCG 09 18:24:00.8±1.7, 13.80N:92:67W, h38km, 16km, MDA.7
SNET 09 18:24:01.6±0.7, 14:17N:92:61W, h93km, 70km, ML4.8
GCMT 09 18:24:03.3±0.8, 13.99N:0:04:92:84W±0.04, h20km, 1km, MW4.8/65, Moment Tensor Solution. s19,c22: s65,c85; Duration: 0 Moment tensor: Scale 10^18Nm; Mr1.8±1.15; Mw=1.19±.10; Mw0=0.61±.09; Mo0.48±.16; Mo0.72±.06; Ms=1.17±.18; Best double couple: Ms2.14200±0.16 Np1.9±291.00000°, s31.00000°, j63.00000°. NP2: 0±141.00000°, s63.00000°, j105.00000°. Principal axes: T: 2.2920, P1g69.0000°, Azm81.0000°, N: -0.2950, Plg13.0000°, Azm31.0000°, P: -1.9920, Plg16.0000°, Azm22.0000°. msa1 refers to body waves, cutoff=40s. nsa2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 09 18:24:08.4±2.8, 14:26N:92:11W, h67km, 23km, mb4.1/18, mbmp4.4/21, MS4.0/41 Error ellipse: s-maj=2.1, 1km s-min=1.6km az=59.0

ISC 09 18:23:59.8±2.5, 13.84N:0:04:92:69W±0.03, h15km±15km, n636, s1956/524, mb4.8/165, MS4.0/39, 4C-1D, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like THIG, SMCA, RTAL, PATR, STGS, etc.

2019 MAY

Main table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like CEDA, MTO3, MTO3, MTO3, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like JRQG, PIRO, BRU2, etc.

Table with columns: ID, Name, Comp, Day, Time, Status, Location, and other details. Rows include SFIN Lafayette, Q54A Cows Mills, M540 Mesa Verde, etc.

Table with columns: ID, Name, Comp, Day, Time, Status, Location, and other details. Rows include MMPY Sheldon Lake, WHY Whitehorse, WHY Whitehorse, etc.

Table with columns: ID, Name, Comp, Day, Time, Status, Location, and other details. Rows include J26L Joseph Creek, J26L Joseph Creek, RIDG Independent Ri, etc.

9d 18h

2019 MAY

Table with columns: ICSG, Greenland Ices, 64.44, 19, eP, Iamb, 18 34 32.9 -2.8, 18 34 33.7, 18 34 36.2 +0.7, 18 34 36.4 +0.6, 18 34 36.5 +0.1, 18 34 37.3 +0.4, 18 34 40.9, 18 34 37.9 +0.7, 18 34 41.2, 18 34 37.4 0.0, 18 34 37.4 0.0, 18 34 38.4 +0.5, 18 34 39.4 +1.3, 18 34 41.1, 18 34 38.2 +0.1, 18 34 38.9 +0.4, 18 34 44.8, 18 34 40.5 +1.4, 18 34 43.8, 18 34 40.5 +1.3, 18 34 43.0, 18 34 40.0 +0.7, 18 34 42.4, 18 34 40.0 +0.6, 18 34 41.0 +0.6, 18 34 41.3 +0.8, 18 34 42.7 +1.5, 18 34 44.2, 18 34 42.2 +0.9, 18 34 44.3, 18 34 41.6 +0.2, 18 34 42.1 +0.7, 18 34 51.9, 18 34 42.0 +0.3, 18 34 44.9, 18 34 42.2 +0.3, 18 34 44.4 +1.9, 18 34 44.3 +1.4, 18 34 43.7 +0.5, 18 34 43.9 +0.4, 18 34 45.8 +1.7, 18 34 45.8 +1.4, 18 34 45.2 +0.7, 18 34 48.2, 18 34 45.7 +0.8, 18 34 46.7 +1.5, 18 34 48.7, 18 34 45.7 +0.6, 18 34 49.3, 18 34 45.9 +0.8, 18 34 45.9 +0.5, 18 34 47.0 +0.8, 18 34 49.3 +2.9, 18 34 47.6 +0.8, 18 34 47.9 +1.0, 18 34 46.3 -0.9, 18 34 48.2, 18 34 48.4 +1.0, 18 34 49.3 +1.6, 18 34 50.1 +1.1, 18 34 50.2 +1.1, 18 34 45.5 -3.9, 18 34 49.6 +0.5, 18 34 51.4 +1.4, 18 34 50.4 +0.2, 18 34 51.8 +0.9, 18 34 52.9 +1.6, 18 34 55.0, 18 34 51.8 +0.2, 18 34 53.0 +1.3, 18 34 50.6 -1.4, 18 34 52.4, 18 35 07.9, 18 34 53.9 +0.9, 18 34 54.7 +1.4, 18 34 55.6 +1.9, 18 34 55.2 +1.4, 18 34 55.4 +1.2, 18 34 55.8 +1.4, 18 34 55.2 +0.9, 18 35 05.4, 18 34 55.9 +1.0, 18 34 56.5 +1.1

Table with columns: E19K, Redstone River, 67.65 338 P, 18 34 57.2 +1.2, 18 35 08.3, 18 34 56.8 +0.8, 18 34 58.0 +1.6, 18 34 58.3 +1.1, 18 34 59.2 +1.9, 18 34 59.6 +2.1, 18 34 59.8 +2.1, 18 34 59.8 +1.8, 18 35 00.2 +1.9, 18 34 59.9 +1.0, 18 35 04.5, 18 35 01.0 +0.9, 18 35 01.7 +1.6, 18 35 02.3 +1.7, 18 35 01.7 +0.9, 18 35 01.9 +0.9, 18 35 03.4 +1.8, 18 35 04.8 +1.2, 18 35 04.8 +1.2, 18 35 06.7 +1.9, 18 35 06.4 +1.5, 18 35 06.9 +0.9, 18 35 09.3 +2.2, 18 35 08.5 +1.4, 18 35 06.0 -1.1, 18 35 21.3, 18 35 08.2 +1.1, 18 35 09.3 +2.2, 18 35 09.7 +1.0, 18 35 09.4 0.0, 18 35 10.8 +1.0, 18 35 12.1 +1.9, 18 35 12.4 +1.3, 18 35 12.6 +0.9, 18 35 16.2 +1.2, 18 35 18.2 +2.8, 18 35 16.7 +1.0, 18 35 20.9 +2.0, 18 35 20.3 +1.2, 18 35 23.7 +2.4, 18 35 29.4 +1.7, 18 35 26.0 -2.4, 18 35 27.1, 18 35 31.8, 18 35 35.0 -1.5, 18 35 36.1, 18 35 37.3, 18 35 57.9 -2.4, 18 36 08.6 -2.3, 18 06 53.4, 18 36 09.5 -0.7, 18 19 15.7, 18 36 15.3 -0.3, 18 36 17.7, 18 36 31.7 -0.9, 18 36 31.7 -0.9, 18 19 48.9, 18 36 39.3 -0.6, 18 19 42.9, 18 36 41.7 -0.4, 18 36 40.5 -1.3, 18 19 41.0, 18 19 49.1, 18 19 38.2, 18 36 58.2 -1.5, 18 36 59.0 -0.7, 18 37 01.5, 18 37 01.9 -1.0, 18 19 01.4, 18 19 41.1, 18 19 45.9, 18 25 17.9, 18 23 00.4, 18 25 06.4, 18 42 41.1 0.0, 18 42 44.7 +1.5, 18 42 48.3 -0.9, 18 42 54.1 +1.6

Table with columns: comp=Z, 3.0nm, 0.8s, baz=282, slow=4.7, SNR=4.7, 18 43 05.1 +3.1, 18 43 11.0 +3.6, 18 43 40.4 +0.7, 18 28 05.8 0.0, 18 28 07.8 +0.1, 18 28 12.6 -0.3, 18 28 15.3 -0.6, 18 28 19.5 +0.2, 18 28 25.3 0.0, 18 28 27.1 +0.7, 18 28 30.0 -0.2, 18 28 50.0 -0.2, 18 28 55.4, 18 29 08.9, 18 29 32.0 +0.2, 18 28 56.0 -0.1, 18 29 06.5, 18 39 53.4 -2.2, 18 37 46.7 +0.3, 18 39 55.4 -0.4, 18 37 50.5 +3.5, 18 39 55.5 -1.4, 18 37 49.8 -0.2, 18 40 02.1 -1.5, 18 37 48.3 -2.2, 18 39 57.6 -5.5, 18 37 51.3 +0.8, 18 37 53.2 +2.3, 18 37 54.9 -2.9, 18 40 07.2 -0.4, 18 37 53.1 -0.1, 18 40 05.1 -3.0, 18 37 51.1 -2.3, 18 40 10.1 +1.6, 18 37 54.9 -2.9, 18 38 07.0 -8.5, 18 38 04.2 +3.0, 18 38 10.7 -2.7, 18 38 10.8 -3.8, 18 38 19.5 -3.6, 18 38 19.5 -3.6, 18 38 21.2 -2.6, 18 38 34.1, 18 38 22.8 -1.9, 18 38 23.9 +0.4, 18 38 23.8 -2.1, 18 38 24.7 -1.4, 18 38 24.4 -2.1, 18 38 27.3 -2.3, 18 38 28.6 -1.3, 18 38 30.6 -2.4, 18 38 34.9 -1.6, 18 38 34.8 -2.6, 18 38 45.1, 18 38 41.1 -3.2, 18 38 43.5 -1.3, 18 38 49.1, 18 38 44.8 -2.1, 18 38 45.9 -3.5, 18 38 48.4 -2.2, 18 38 50.7 -1.6, 18 38 57.5, 18 38 54.9 -2.2, 18 38 56.1 -1.0, 18 38 57.2 -2.3, 18 39 10.2, 18 39 02.7 +1.3, 18 39 02.9 -2.4, 18 39 33.1, 18 39 06.9 -2.4, 18 39 20.2, 18 39 08.9 -2.6, 18 39 18.6 -1.0, 18 39 52.9, 18 39 22.6 -1.0, 18 39 47.8, 18 39 29.2 -1.3, 18 39 38.9, 18 40 01.0 +2.0, 18 40 33.6, 18 40 06.8 +1.4, 18 40 07.7, 18 40 24.0 +2.4, 18 40 59.6, 18 41 13.9 +0.7, 18 41 14.9 +0.7, 18 41 13.7 +0.9, 18 41 37.5 +0.5, 18 41 51.3 -0.3, 18 42 17.8 0.0, 18 42 18.0 +0.2, 18 47 10.9 -0.3

Table of astronomical observations for 9d 19h. Columns include station name (SONM, ULN, SHL, etc.), object name (Lg, Pn, Iamb, etc.), magnitude (18.42, 21.51, etc.), and position (19 25 24.1, 19 20 12.6, etc.).

Table of astronomical observations for 2019 MAY. Columns include station name (JNU, OJC, BLEU, etc.), object name (Nakatsue, Ojcow, Blekinge, etc.), magnitude (40.23, 40.26, etc.), and position (19 43 48.4, 19 23 32.9, etc.).

Table of astronomical observations for 2019 MAY. Columns include station name (DAIG, HMTT, FTIG, etc.), object name (Tlanepaco, Fresnillo de T, La Mica, etc.), magnitude (1.97, 2.01, etc.), and position (19 30 52.6, 19 30 34.1, etc.).

IDD 09 19:29:55.5i:3.5, 15.46N:97.78W, h0km, mb3.5/5, mltm3.4/7, ML3.2/2, MS3.5/5, Error ellipse: s-maj=67.8km s-min=42.0km az=25.0

IDD 09 19:36:25.2i:2.1, 26.29N:143.31E, h0km, mb3.6/6, mltm3.6/7, ML3.2/1, Error ellipse: s-maj=52.0km s-min=23.4km az=84.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like WAKE ISLAND Hy 22.66 102, WAKE ISLAND Hy 22.66 102, WAKE ISLAND Hy 22.66 102, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like ROSC 21nm,0.6s, CBOC Ciudad Bolivar, CBOC Ciudad Bolivar, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like IDC 09 21:18:29.4,5.4, 15:54Sx75:26W, h0km, mb3.7/2, etc.

IDC 09 20:03:28.9±0.2, 36°42'N; 71°42'E, h0km, mb3.6/2, mbtmp3.7/8, ML3.4/6, MS3.6/1, Error ellipse: s-maj=40.1km s-min=28.0km az=80.0

IDC 09 20:59:01.0:7.7, 14°23'N; 93°10'W, h0km, mb3.5/3, mbtmp3.4/4, ML2.3/1, Error ellipse: s-maj=140.8km s-min=50.6km az=167.0

IDC 09 21:30:47.6:5.3, 3:88S:153°27'E, h0km, mb3.8/3, mbtmp3.8/4, ML2.0/1, MS2.9/1, Error ellipse: s-maj=173.9km s-min=36.6km az=110.0, New Ireland region

ISC 09 20:03:41.8±1.4, 37°11'N; 01°17'2E, 0.1, h100km, n21, r127/22, 2C-1D, Afghaniestan-Tajikistan border region

MEX 09 20:59:07.6:0.5, 14°73'N; 93°18'W, h92km, 13km, MD4.3 CATAC 09 20:59:07.3:1.1, 14°N; 93°18'W, h92km, 13km, MD4.3, ML4.4/13, Error ellipse: s-maj=11.6km s-min=6.5km

IDC 09 21:30:47.6:5.3, 3:88S:153°27'E, h0km, mb3.8/3, mbtmp3.8/4, ML2.0/1, MS2.9/1, Error ellipse: s-maj=173.9km s-min=36.6km az=110.0, New Ireland region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like AML Almayashu, EK52 Erkin-Say, KK31 Karatay Array, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like THIG 1.01 67, THIG 1.01 67, THIG 1.01 67, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like KBK Karagaybulak, CHMS Chumysh, USP Osenovka, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like THIG 1.01 67, THIG 1.01 67, THIG 1.01 67, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like AKTO Aktyubinsk, AKTO Aktyubinsk, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like THIG 1.01 67, THIG 1.01 67, THIG 1.01 67, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, HNR Honiara, etc.

FUNV 09 20:53:58.3, 12°11'N; 70°14'W, h37km, MW3.9 R5NC 09 20:54:03.1±0.0, 12°N; 3°7'W, h10km, 3km, M3.6, mB5.1, mb4.5, ML3.3, Mw(mB)4.4

ISC 09 20:53:55.1±0.8, 12°10'N; 04°7'W, h25km, n41, r244/63, 1C-3D, Near coast of Venezuela

BUI 09 21:37:09.2, 49°79'N: 156°14'E, h40km, mB5.1/44, mb4.9/77, M5.4/8/1, M5.7/4/7/1, KRSC 09 21:37:10.2±2.1, 49°39'N: 156°38'E, h61km, 24km, M15.9, Fell [V] at Severo-Kunilsk; [II]-[III] at Podgornay; [II] at cape Vasyaeva

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like SLOZ Alcaidia de Sa, SLOZ Alcaidia de Sa, NUBE Las Nubes, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like BUI 09 21:37:09.2, 49°79'N: 156°14'E, h40km, mB5.1/44, mb4.9/77, M5.4/8/1, M5.7/4/7/1, KRSC 09 21:37:10.2±2.1, 49°39'N: 156°38'E, h61km, 24km, M15.9, Fell [V] at Severo-Kunilsk; [II]-[III] at Podgornay; [II] at cape Vasyaeva

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like SDDR Presa de Saban, SDDR Presa de Saban, SDDR Presa de Saban, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like SLOZ Alcaidia de Sa, SLOZ Alcaidia de Sa, NUBE Las Nubes, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like BUI 09 21:37:09.2, 49°79'N: 156°14'E, h40km, mB5.1/44, mb4.9/77, M5.4/8/1, M5.7/4/7/1, KRSC 09 21:37:10.2±2.1, 49°39'N: 156°38'E, h61km, 24km, M15.9, Fell [V] at Severo-Kunilsk; [II]-[III] at Podgornay; [II] at cape Vasyaeva

Table with columns for station code, name, frequency, power, and coordinates. Includes stations like KRMR, PEAOB, PETK, etc.

Table with columns for station code, name, frequency, power, and coordinates. Includes stations like UGL, YSS, RUSJ, etc.

Table with columns for station code, name, frequency, power, and coordinates. Includes stations like MJAR, MJBS, MSHR, etc.

Table with columns: Station Name, Frequency, Power, Class, Modulation, and other technical details. Includes stations like Nakatsue, Kusilvak Mount, Arctic Creek, False Pass, Nome, Dall Lake, Kuk Creek, North Star Dtt, Bethel, Kuskokwak Cree, Tiguyakuiwet M, Ungalak Mounta, Wolf Creek Mou, Elin, Dalian, Lisburne Hills, Kasigluk River, Koyuk River, Kwethluk River, Anvik River, Unalakleet, Noatak River, Ohwat River, Cherna-bura Isl, Hotham Inlet, Kiwalik Mounta, Baldwin Pennin, Timber Creek, Nishlik Lake, Granite Mounta, XLiInHoTe, VABM Dome, Kokwok River B, Donlin, Nushagak River, iditarod, Tukpahleark C, Selawik, Utukok River.

Table with columns: Station Name, Frequency, Power, Class, Modulation, and other technical details. Includes stations like Utukok River, Kokolik River, Pilot Point, Holitna River, Holitna River, Honhosa River, Tagagavik, Tagagavik, Nushagak Hills, Koliganek Bris, Granite Mounta, Kivchak River, Innoko River, Inno River, Wainwright, Galena City Sc, Shalerucik Mo, Shalerucik Mo, Kilae Creek, Kilae Creek, Purcell Mounta, Purcell Mounta, Stony River, Contact Cree, Roundabout Mou, Roundabout Mou, Kuna River, Redstone River, Redstone River, Poorman, Poorman, Koku Hills, Big Mountain, Angle Creek He, Beijing, Katmai Hardscr, White Mountain, White Mountain, Bonanza Creek, Bonanza Creek, Avarart Lake, Avarart Lake, Big River Lodg, Big River Lodg, Port Aisworth, Etlivuk River, Etlivuk River, Anotleneega Mo, Nigu River, Naaghedeneel, Naaghedeneel, Telida, Telida, Nowinta River, Nowinta River, Meade River, Meade River, Farewell, AK, Styx River, Styx River, Oll Pt, Ilwamna Southw, Allakaket, Allakaket, Knifeblade Rid, Redoubt Volcan, Barrow, Altna River, Altna River, Killik River, Killik River, Melozitna River, Melozitna River, Ikpikpuk River, Ikpikpuk River, Lake Mchotumin, Purkeypile, Purkeypile, Spurr Chakacha, Spurr Chakacha, Castle Rocks, Castle Rocks.

Table with columns: Station Name, Frequency, Power, Class, Modulation, and other technical details. Includes stations like Kodiak Island, Kodiak Island, Strandline Lak, Sinclair Lake, Tanana, Tanana, Tainan, Tainan, Skwentna, Skwentna, John River, WAKE ISLAND Hy, Ayikyak River, Ayikyak River, Kunigami, Kunigami, Kunigami, Kunigami, WAKE ISLAND Hy, Ishatlina Cre, Teshekpuk Lake, Teshekpuk Lake, Bear Paw Mtn, Bear Paw Mtn, Kantisna Hill, China Poot, Anaktuvuk Pass, Anaktuvuk Pass, Anaktuvuk Pass, Susitna One, Susitna One, Bradley Lake S, Bradley Lake S, Thorofore Moun, Thorofore Moun, Chulitna, Chulitna, Willow, Sliak Lake, Ulanbaatar, Ulanbaatar, Coldfoot, Coldfoot, Bananza Creek, Bananza Creek, Bananza Creek, HongShan, Nanushuk River, Nanushuk River, Sheshan, Sheshan, Cooper Landing, Cooper Landing, Hu-ho-hao-te, Yukon River, Yukon River, Minto, Yukon-K, Minto, Yukon-K, Itkillik River.

9d 21h

Table with columns for station, location, elevation, and forecast data. Includes stations like NEW Newport, E05A Dider Farm, etc.

2019 MAY

Table with columns for station, location, elevation, and forecast data. Includes stations like HATC Karatay Array, KK31 Karatay Array, etc.

436

Table with columns for station, location, elevation, and forecast data. Includes stations like ELK Elko, ILULI Ilulissat, YNE Yellowstone, etc.

9d 21h

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like N38A, QIS, AMTX, etc.

2019 MAY

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like PGBU, OJC, L46A, etc.

438

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like BRG, BRG, BRG, etc.

Table with 10 columns: Station Name, Frequency, Band, Mode, Signal, and Name. Includes stations like TLBR Topalu, KASTN Kahler Asten, SIUC Southern Illin, FCAR Ozark Folk Cen, TOKA Tokat, BUG Bochum-Univers, FW14 Alvarado, ISR Istitra, MNTQ Montreal, ARPR Arapgr-MALATY, ZVC Zvikov, WHTX Lake Whitney, PECO Prince Edward, MANZ Manzenberg, 049A Covington, MEDO Medina, MIAR Mount Ida, D62A Allapoint, VOIR VOIR, LCAR Lake Charles, P48A Milroy, WHAR Woolly Hollow, ROTZ Rotzenmuhle, DRIO Del Rio, MARD Mardin, SRO Srobarova, M52A Chesterland, ARR Arges, USIN University of Erie, Z38A Mt. Pleasant, PARMO Parma, DSB Dublin, KHC Kasperske Hory, KHC Kasperske Hory, KHC Kasperske Hory, DEV Deva, CKRC Cesky Krumlov, CKRC Cesky Krumlov, GRA1 Grafenberg Arr, GRF Grafenberg, GRFO Grafenberg, GRFO Grafenberg, FRNY Flat Rock, X40A Basin Creek Fa, SIRR Siria, UALR University of Alghergo, IGLA Glengowia, SHAMM Shamm, SHME Shamm, BANOM Banah, BANOM Banah, WET Wetzell, ACSO Alum Creek Sta, HLM1 Long Mynd, GEC2 GERESS Array S, GERES GERESS Array B, WVNY West Valley, ALLY Alegheny Colle, TNS Taunus Mts, QLP Quilpie, QLP Quilpie, HICK Hickman, PEBM Pemiscott Bayo, EBEN Eben Emac, WCI Wyandotte Cave, GNR Gosnell, HBAR Harrisburg, J57A Williamstown, SARR Surduc, BTNL Terrell, 435B Jarrell, MEM Membarca, CONA Conrad Observa, BATG Bathurst New B, 237A Washetta, 237A Glass.

Table with 10 columns: Station Name, Frequency, Band, Mode, Signal, and Name. Includes stations like LNKX Lenox, GZR Gura Zlata, GZR Gura Zlata, RONA Rosalia, BSAI Sart Tilman, WLAR White Oak Lake, UCC Uccle, MDH Madha, MDH Madha, UTMT University of Magyarpolny, MASF Masfara, N53A Lisbon, BSFE Esma-Masafi, MHOU Houvegneg, BZS Buzias, BZS Buzias, HALT Halls, WSAR Wadi Sarin, WSAR Wadi Sarin, BCLA Clavier, P51A Williamsport, O52A Adamsville, R49Q Shelbyville, UMM Um Al-Quwin, VT1 Waterbury, BGES Gesves, BIDO Bidid, IWEX Carrickbyrne, IWEX Carrickbyrne, UOSS Minazif, UOSS Minazif, O53A New Phiadelph, T47A Sharon Grove, MOA Mollin, BMRD Mareduop, F64A Sherman, WBK Wadi Bani Khai, SWNI Swindon, Q51A Peebles, HATD Hatta, Dubai, HATD Hatta, Dubai, Z41A Richland Creek, Z41A Richland Creek, HERR Herculane, JLJN Janan Bani Buh, CCAR Cane Creek, CCAR Cane Creek, BR131 Keskin Array B, BRTR Keskin Array B, BRTR Keskin Array B, BR106 Keskin Array S, BR104 Keskin Array S, BR105 Keskin Array S, WOL Wolvertson, MBWA Marble Bar, MBWA Marble Bar, MORH Mrgy, Hungary, ARSA Arszberg, R50A Paris, DOU Dourbes, ASHO Ashiyah, NAZ Nazwa, Dubai, NAZ Nazwa, Dubai, SMZO Samad, NATX Nacogdoches, BIOA Bad Ischl, WLF Walferdange, WLF Walferdange, WLF Walferdange, WLV Waverly, WVT Waverly, WVT Waverly, HOQ Chaparral WMA, ACCN Adirondack Com, SOHO SOHO, SOHO SOHO, ANTO Anankara, ANTO Anankara, ANTO Anankara, O54A Avella, MDV Moldovita, STU Stuttgart, STU Stuttgart, STU Stuttgart, BINY Binghamton, FAQ Al Faqa, RJOB Jochberg, RJOB Jochberg, KIRS Kirsehir-Merke, PSA00 Pilbara Seismi.

Table with 10 columns: Station Name, Frequency, Band, Mode, Signal, and Name. Includes stations like PSA00 Pilbara Seismi, PSA00 Pilbara Seismi, FUR Furstenfeldbrun, FUR Furstenfeldbrun, BEHE Becsehely, BEHE Becsehely, HNH Hanover, Q52A Bidwell, GAZ Gaziantep, HNVL Huntsville, TX, KOGS Kog, VAL Valencia, AL Ashush, Dub, ASUD Al Ashush, Dub, WWL Waterville, WWL Waterville, FRGS Fruska Gora, I62A Tamworth, JMD0 Jabal Madar, LESA Schwarzeleot, OXF Oxford, OXF Oxford, OXF Oxford, SOKA Soboth, G65A Princeton, G65A Princeton, I63A Otisfield, TRY Troy, ALNE Al Ain, ALNE Al Ain, GROS Grobnik, INKA Innaminka, INKA Innaminka, AJN Ajan, AJN Ajan, ARQ Arq, U49A Red Boiling Sp, WRKA Wrakurana, WRKA Wrakurana, BSY Bisy, SSPA Standing Stone, MCWV Mont Chateau, HKT Hockley, HKT Hockley, BFO Black Forest, BFO Black Forest, BFO Black Forest, S51A Beattyville, KSPA Keystone Colle, V48A Smith Brothers, PLAL Pickwick Lake, LMN Caledonia Mountain, LMN Caledonia Mountain, OBKA Obir, OBKA Obir, GGN Saint George, Q54A Cocks Mills, Q54A Cocks Mills, WATA Walderalm, WTTA Watterberg, RETA Reutte, MYKA Terra Mystica, MOTA Moosalm, SQT Sant Quirin, SBD Saint Breward, DYA Yadworthy, BOVS Waldbach, ECH Echery, ECH Echery, ABTA Abtattersbach, LJU Ljubljana, KBD Kabd, DAVA Damuels, FETA Feichten, HBVL Hebronville, KVTX Kingsville, A051A Maraca, BOJS Bojanci, HRV Adam Dzewonsk, HRV Adam Dzewonsk, CEY Cernika, MHTO MHTO, OOD Oodnadatta, BAND Balkesir-Ban, BLY Banja Luka, JRN Jern Island, SWET Swet, SWET Swet, HAPS Han Pijesak, B, TZTN Tazewell, BBLs Lazise, WES Weston, WES Weston, LUPA Leigh University, LUPA Leigh University, VBMS Vicksburg, VBMS Vicksburg, DAVOX Davos/Dischmat, BCX Boston College.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MLV Millersville, MZWR Madinat Zayed, ALN Alexandroupoli, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DMTO Karpathos, DMTO Karpathos, DMTO Karpathos, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PDRB Port dos Gac, PDRB Kaudwane, PDRB Pedra Branca-C, etc.

IPEC 09 21:42:12.70.0.3, 49°88'N, 18°57'E, h1km, MLO.8/4, Error ellipse: s-maj=2.1km s-min=1.8km az=71.0

PRU 09 21:42:13.7, 49.82N, 18.53E, h0km, Czech and Slovak Republics

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like OKC Ostrava-Krasne, OKC Ostrava-Krasne, STEB Steborice, etc.

DJA 09 21:46:35.9, 0.8, 8°S, 151°E, h10km, M5.1/12, mb4.9/12, mB5.3/4, MLV5.3/1, Mw(MB)4.7/4

BUI 09 21:46:35.5, 8.05, 150°43'E, h33km, mB5.0/3, mb4.6/29, Ms4.5/1, M57.4/31

MOS 09 21:46:39.0, 8.8, 40°S, 150°16'E, h48km, mb5.1/14, Error ellipse: s-maj=12.7km s-min=8.7km az=102.0

IDC 09 21:46:44.0, 0.7, 8°S, 150°22'E, h85km, 5km, mb4.2/20, mbmp4.5/23, MS3.4/3, Error ellipse: s-maj=14.7km s-min=10.0km az=118.0

NEIC 09 21:46:45.1, 1.1, 8°S, 150°09'E, 150°1E, 0.1, h78km, 6km, mb4.9/145, Error ellipse: s-maj=16.9km s-min=10.6km az=132.0

ISC 09 21:46:44.9, 0.5, 8°S, 150°16'E, 0.06, h85km, 4km, h85km, PP-P, m439, r1911/437, mb4.8/108, 8C, Eastern New Guinea region

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, etc.

Table with columns: MCK, MCK, E20K, AAK, AAK, AAK, KLU, KLU, D20K, D20K, H22K, F21K, F21K, M24K, M24K, NEA2, BMRM, BMRM, BMRM, EKS2, WRH, G22K, N25K, N25K, E21K, B20K, B20K, F22K, H23K, CCB, HARP, C21K, COLA, PAX, CRQE, HDA, G23K, G23K, K24K, IL31, IL31, ILAR, B21K, E22K, E22K, COLD, MESA, MCARA, D22K, D22K, H24K, H24K, RIDG, RIDG, RIDG, GRNC, MENT, MENT, J25K, M26K, CTG, CTGM, E23K, E23K, G24K, G24K, A22K, B22K, SCRK, SCRK, D24K, D24K, F24K, F24K, M27K, M27K, TOLK, TOLK, TOLK, E24K, PNL

Table with columns: H25L, O28M, O28M, J26L, J26L, G25K, L27K, L27K, C23K, C23K, YUK3, BVCY, FYU, FYU, D24K, D24K, YUK8, K27K, I26K, I26K, O29M, KK31, KK31, F25K, F25K, C24K, C24K, YUK6, YUK4, E25K, E25K, S31K, S31K, NR1K, NR1K, G26K, G26K, D25K, D25K, F26K, F26K, F26K, F26K, HYT, HYT, I27K, P30M, M29M, H27K, N30M, N30M, N30M, G27K, G27K, L29M, L29M, I28M, I28M, O28M, C26K, C27K, C27K, K29M, N31M, N31M, N31M, E27K, E27K, E27K, WHY, I29M, V35K, V35K, P32M, P32M, H29M, H29M, H29M, D27M, D27M, BVAR, BVAR, BRVK, BRVK, G29M, G29M, G29M, M31M, E28M, E28M, E28M, I30M, I30M, N32M, N32M, N32M, EPYK, EPYK

Table with columns: EPYK, RER, D28M, T35M, G30M, R33M, F30M, F30M, H31M, H31M, DLBC, DLBC, G31M, G31M, MMPY, J01E, J01E, NVAR, ABKAR, YKA, PDAR, BRTR, AKASA, HFS, NOA, LANS, LANS, LANS, LANS, EKA, LPAZ, TORO, BDFB, DBIC

Table with columns: SDD, OSPL, ISC, Code, Station Name, A° AZ', Phase ID, Time Res, ISC, SDD, SDD, HATOM, HATOM, DR08, DR08, DR08, MIDR, MIDR, MIDR, MIDR, ABDR, ABDR, ABDR, PCDR, PCDR, PCDR, SDDR, SDDR, SDDR, SDDR, SDDR, SDDR, PODR, PODR, PODR, PODR, LODU, LODU, LOBH, LOBH, LOBH

Table with columns: VAO, SJA, NEIC, GUC, IDC, ISC, Code, Station Name, A° AZ', Phase ID, Time Res, ISC, PB01, PB01, PB01, PB01, PB01, PB01, TA01, TA01, TA01, TA01, PB03, PB03, PB03, PB03, TA02, TA02, TA02

2019 MAY

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like Tanegashima 3, Utsuki, Tosashimizu, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like JHU, JHJ, JHJ2, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like KNMB, BNX, ASAJ, etc.

9d 22h

2019 MAY

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Table with columns for station ID, name, date, and various data points. Includes stations like PSA00 Pilbara Seismi, E20K Nigu River, N18K Kilae Creek, etc.

Table with columns for station ID, name, date, and various data points. Includes stations like ARTI comp=Z,97nm,1.4s, ARTI comp=Z,11um,14.0s, F21K Alaina River, etc.

Table with columns for station ID, name, date, and various data points. Includes stations like COLD baz=273,SNR=41, WRKA Warakurna, WKLA Warakurna, CAPN Captain Cook N, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MOS, R33M, DQM, JENNINGS RIVER, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KIV, GNI, WRGLY, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TULEG, BBB, ANN, KOPT, etc.

9d 22h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MILM, NC303, PGC, etc.

2019 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ASF, ICOR, TURR, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like JCC, BAND, LANS, etc.

Table with columns for station call letters, frequency, name, and various signal quality metrics (e.g., S/N, SNR, elevation, azimuth).

Table with columns for station call letters, frequency, name, and various signal quality metrics (e.g., S/N, SNR, elevation, azimuth).

Table with columns for station call letters, frequency, name, and various signal quality metrics (e.g., S/N, SNR, elevation, azimuth).

9d 22h

2019 MAY

Table with 10 columns: Station, Frequency, Class, Mode, Power, Azimuth, Elevation, Date/Time, and other parameters. Includes stations like TPB, FETA, RLMT, etc.

Table with 10 columns: Station, Frequency, Class, Mode, Power, Azimuth, Elevation, Date/Time, and other parameters. Includes stations like PDAR, TCUT, CAMP, etc.

Table with 10 columns: Station, Frequency, Class, Mode, Power, Azimuth, Elevation, Date/Time, and other parameters. Includes stations like PV04, PV16, VAL, etc.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like G40A, BNM, KIBK, CRNM, KMBQ, etc.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like MVO, J47A, HQ1L, P40A, etc.

Table with columns for station ID, name, frequency, and signal strength. Includes stations like OLIL, T42A, G62A, ERPA, etc.

2019 MAY

Table with columns: Call sign, Name, Frequency, Mode, and other technical details. Includes stations like UCTT U. Connecticut, TRNY Table Rock, CLTN Cedars of Lebanon, etc.

Table with columns: Call sign, Name, Frequency, Mode, and other technical details. Includes stations like GTBY Guantanamo Bay, MGAN Managua, DBIC Dimbock, etc.

Table with columns: Code, Station Name, Frequency, Mode, and other technical details. Includes stations like NIUE Niue, NIUE Niue, NIUE Niue, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, Date, and other attributes. Includes stations like H1N3 WAKE ISLAND HY, H1N1 WAKE ISLAND HY, H1N2 WAKE ISLAND HY, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, Date, and other attributes. Includes stations like JGF Kuroka, JGF Kuroka, JGF Kuroka, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, Date, and other attributes. Includes stations like YBH Yreka Blue Hor, YBH Yreka Blue Hor, YBH Yreka Blue Hor, etc.

9d 23h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like G04A, R11B, M13K, I05D, P18K, N15K, MSHR, E03A, W19K, H00D, M14K, O18K, W15H, N15K, P19K, N17K, L14K, L14K, L14K, M16K, KNB, KNB, BRK, N18K, SPR3, BRSE, U15A, PSUT, LON, LON, WUAZ, K13K, RED, L15K, CLRS, D05A, N19K, ELK, ELK, DUN6, M17K, PGC, CBB, L16K, L16K, HPG, SEW, SEW, F07A, X18A, G08A, G08A.

2019 MAY

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like M18K, BBB, SLMK, K15K, P23K, A04D, E07A, L17K, SPCR, HAWA, J14K, M14K, MDJ, MDJ, MDJ, MDJ, M19K, M19K, STLK, STLK, RC01, RC01, E08A, BMO, BMO, RUBB, PWL, KAIM, M20K, M20K, L19K, L19K, SUA, SUA, DUG, DUG, K17K, V35K, V35K, SIT, U33K, U33K, GAMB, GLI, EYAK, EYAK, FID, HMU, NJ2, D08A, D08A, BGU, J16K, J16K, SKT, SKT, E09A, E09A, M22K, KNK, KNK, BGLC, L20K, PMR, PMR, PMR, O16A, F10A, SNH, S31K, J17K, J17K, J17K, GHO, WRAK, WRAK, MPU, S32K, S32K, S32K, S32K.

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Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like SML, SML, SML, MESA, MESA, MESA, HLD, HLD, M23K, HVU, HVU, HVU, I17K, I17K, I17K, CUT, J18K, J18K, J18K, LLLB, LLLB, CRQM, SRU, SRU, SRU, KLU, KLU, CRQE, YAH, SCM, PNL, PNL, TGL, TGL, PPLA, PPLA, LENN, VHRN, KLR, KLR, PCA, PCA, PINM, BCPM, BCPM, CRNM, K20K, K20K, K20K, MNTX, GRNC, GRNC, DLV, DLV, R32K, R32K, BNM, N25K, N25K, N25K, N25K, N25K, N25K, M24K, M24K, BESE, BESE, H16K, CN2, CN2, BSUT, BSUT, MCARA, MCARA, MCARA, TX31, TXAR, TXAR, LOGN, LOGN, CAST, CAST, CAST, J19K, CTG, CTG, CTGM, PV10, PV10, PV10, PV17, PV17, PV18, PV18, PV20.

Table with columns: ID, Name, Comp, Z, SRN, M, S, W, L, P, D, and other attributes. Includes rows for PV20, PV13, PV16, PV23, PV23, PV03, PV03, PV11, G15K, PV04, PV04, O28M, O28M, PV02, PV21, O29M, O29M, PV01, PV01, T35M, T35M, ANMO, ANMO, ANMO, ANMO, PV22, KTH, TRF, PV07, HARP, CHUM, J20K, J20K, PV15, H17K, H17K, ALPN, F14K, SKAG, SKAG, SKAG, TNA, TNA, P30M, RND, RND, RND, GCSA, S34M, S34M, S34M, G16K, G16K, PECS, YUK8, RDMU, YUK6, F15K, F15K, H18K, H18K, BPAW, BPAW, PAX, PAX, MCK, M26K, AHID, AHID, G17K, G17K, HYT, HYT, I20K, I20K, YUK3, MYKOM, MYKOM, YUK4, Q32M, Q32M, P32M, P32M, M27K, M27K, MENT, MENT, S22A, S22A.

Table with columns: ID, Name, Comp, Z, SRN, M, S, W, L, P, D, and other attributes. Includes rows for O30N, O30N, DLMT, DLMT, MSO, L26K, L26K, TPAW, TPAW, FXWY, H19K, H19K, BVCY, DLBC, DLBC, DLBC, O20A, O20A, SNOW, SNOW, SAND, G18K, G18K, K24K, K24K, MNHN, H20K, WHY, WHY, WHY, N30M, N30M, NEA2, NEA2, MOOW, LOHW, RIDG, RIDG, I21K, I21K, I21K, L27K, L27K, DOT, DOT, F17K, TIA, TIA, HDA, HDA, R33M, R33M, R33M, YHB, YHB, P33M, P33M, PD31, PD31, PDAR, PDAR, YHL, G19K, G19K, YFT, YFT, YMR, YMR, SEY, SEY, N31M, N31M, N31M, H21K, H21K, ODSA, ODSA, M29M, M29M, BOZ, SCRK, SCRK, SCRK, H17A, I23K, I23K, I23K, COLA, COLA, COLA, COLA, COLA, YHH, YNM, YNR, YNR, IL31, IL31, ILAR, SDCO, HAYD, J25K, J25K, J25K, POKR, POKR.

Table with columns: ID, Name, Comp, Z, SRN, M, S, W, L, P, D, and other attributes. Includes rows for H22K, HEH, HEH, DRIO, DRIO, YMP, K27K, K27K, K27K, F19K, N32M, N32M, J26L, J26L, J26L, MSTX, MSTX, OZNA, H23K, H23K, H23K, L29M, YNE, YNE, G21K, G21K, G21K, H03S2, T25A, H03S1, H03S3, E18K, E18K, H03N2, H03N3, H03N1, VA04, D17K, F20K, F20K, M31M, M31M, H24K, H24K, H24K, Q24A, 833A, SGCY, ISCO, ISCO, ISCO, PRP, PRP, PRP, WTLY, WTLY, WTLY, E19K, POST, POST, RLMT, RLMT, FARO, FARO, FARO, C16K, C16K, C16K, G22K, G22K, I26K, I26K, F21K, F21K, F21K, G23K, G23K, K29M, TOAD, JCT, JCT, JCT, HJDO, UBPT, RTBA, SN07, SN07, J29N, K22A, G24K, G24K, AMTX, AMTX, F22K, COLD, DKNS, MAW, MAW, E20K, BILL, BILL, BILL, D19K, HNS, HNS, G25K, BJT, BJT, BJT, BJT.

9d 23h

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like BJL Beijing, BJJ comp=Z,1.3nm,1.5s, BMT comp=Z,200nm,11.1s, etc.

2019 MAY

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like CSTR Hydro, C24K Franklin Bluff, C24K Franklin Bluff, etc.

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Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like N38A Joes South For, LCAR Lake Charles, L40A Anamosa, etc.

Table with columns: OJC, Ojcow, 145.12 344, ePKP, PKPpdf, 23 26 16.0, +0.1, etc.

Table with columns: BZS, Buzias, 148.69 339, PKIKP, 23 26 26.8, -0.5, etc.

Table with columns: MMAI, Mount Meron Ar, 152.49 286, PKPbc, PKPbc, 23 34 06.0, +0.4, etc.

Table listing station names, codes, and coordinates for the 9d 23h period. Includes stations like KU6, FINES, NOA, HFS, and SPITS.

SJA 09 23:24:42.5:0.7,21.08S:68.64W, h123km, 6km, ML3.6, MW3.7
GUC 09 23:24:46.1:0.7,21.10S:68.87W, h105km, 3km, ML3.4
IDC 09 23:24:47.2:4.1, 20.97S:68.26W, h125km, 35km, mb3.3/2,

Main table of station data for the 9d 23h period. Columns include Code, Station Name, Azimuth, Phase ID, Time, and Residual. Lists numerous stations like PB01, PB02, TA01, etc.

JMA 09 23:47:44.8:0.3,37.4N:107.142E, h44km, 2km,
MV1.5/25/E OFF KUCHIKUMA PREF, Near east coast of eastern Honshu

Table listing station names and codes for the JMA 09 23:47:44.8 station. Includes stations like JFK, JMST, ONAJ, etc.

IDC 09 23:48:37.6:0.3,31.89N:131.62E, h0km, mb5.3/40,
mbmp5.2/44, ML4.4/4, MS6.1/76, Error ellipse:
s-maj=10.8km s-min=9.3km az=93.0
MOS 09 23:48:40.1:0.3,31.84N:131.65E, h24km, mb6.0/10,

solution: Mt1.40000x1019 NP1:31.140000, 883.80000,
0.47, 0.00000; NP2:32.74, 80000, 843.40000, 1.71, 0.00000
IPGP 09 23:48:42.0, 31.80N, 131.80E, h22km, MW6.4, Fault plane
solution: NP1:32.28, 0.00000, 821.00000, 1.100, 0.00000

ISC 09 23:48:42.0, 31.77N, 131.85E, h24km
NEIC 09 23:48:42.8, 1.4, 31.78N, 131.85E, 0.06, h22km, 1km,

ISC 09 23:48:42.7, 0.1, 31.82N, 131.78E, 0.02, h26km, 2km,
923km; PP-P, n2373, e232/2506, mb5.9/566, MS6.2/580,

Main table of station data for the 2019 MAY period. Columns include Code, Station Name, Azimuth, Phase ID, Time, and Residual. Lists numerous stations like JNKG, JNKS, JNKA, etc.

Main table of station data for the 2019 MAY period (continued). Columns include Code, Station Name, Azimuth, Phase ID, Time, and Residual. Lists numerous stations like JHGM, JHGS, JHJS, etc.

Table of flight data for the left section, including columns for flight numbers, destinations, times, and statuses. Destinations include Taipei, Yeheng, Temmabayashi, Ninganchiao, Shenyang, Ussuriysk Arra, Ussuriysk Ar., Mudanjiang, Taian, Changchun, Ermo, Ermo, Ermo, Ternei, Asahikawa, Kamikawa-asahi, Wuhan, Wuhan, Baijiatuu, Beijing, HongShan, LuoYang, and Yuzh-Kuril'sk.

Table of flight data for the middle section, including columns for flight numbers, destinations, times, and statuses. Destinations include Taipei, Yeheng, Temmabayashi, Ninganchiao, Shenyang, Ussuriysk Arra, Ussuriysk Ar., Mudanjiang, Taian, Changchun, Ermo, Ermo, Ermo, Ternei, Asahikawa, Kamikawa-asahi, Wuhan, Wuhan, Baijiatuu, Beijing, HongShan, LuoYang, and Yuzh-Kuril'sk.

Table of flight data for the right section, including columns for flight numbers, destinations, times, and statuses. Destinations include Tagaytay City, Tymovskoe, Guam, Zeya, Hong Kong, Guanzhou, Lanzhou, Chengdu, Davao City (W), Davao City (W), Davao City (W), and Kunming.

9d 23h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KMI, PZH, SLVN, and various regional stations.

2019 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CMAR, NAYO, H1N1, and various regional stations.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ZALV, MKAR, RABL, and various regional stations.

Table with multiple columns: KDJ, comp-Z, frequency, pmax, MLR, and numerical values for various stations.

Table with multiple columns: Station name, comp-Z, frequency, pmax, IAMB, and numerical values for various stations.

Table with multiple columns: Station name, comp-Z, frequency, pmax, numerical values, and additional station details.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like B18K, O15K, C18K, E18K, H17K, L16K, S14K, CHNA, CNBA, QIS, A19K, F18K, M16K, J17K, TVH, N16K, MALK, L17K, G18K, K17K, CHGN, H18K, O16K, P16K, PALK, M17K, F19K, D19K, R16K, N17K, O17K, G19K, E19K.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like E19K, KAD, GCSA, J18K, L18K, SVE, MBWA, Q16K, H19K, B20K, P17K, D20K, E20K, N18K, M18K, PSA00, A21K, J19K, F20K, Q17K, H20K, O18K, P18K, ACHA, L19K, F20K, CHIR, C21K, I20K, A22K, Q18K, B21K, B21K, B21K, M19K, N19K, I20K.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like N19K, JOHN, J20K, J20K, J20K, K20K, K20K, E21K, E21K, O19K, O19K, COCO, COCO, COCO, BHUJ, L20K, ARTI, ARTI, ARTI, ARTI, ARTI, ARTI, ARTI, AS15, G21K, G21K, G21K, ASO1, ASAR, ASAR, ASAR, F21K, F21K, F21K, R18K, R18K, ABKAR, B22K, B22K, B22K, SII, SII, H21K, H21K, H21K, D22K, D22K, D22K, Q19K, Q19K, Q19K, M20K, M20K, M20K, P19K, P19K, P19K, ILSW, F22K, F22K, CHUM, CHUM, TRD, TRD, E22K, E22K, E22K, I21K, I21K, I21K, OHAK, OHAK, OHAK, PPLA, PPLA, PPLA, CAST, CAST, CAST.

Table with columns: IAMS_20, IAMS_20, 00 26 43.3, MORW Morawa, 62.38 196, P, P, 23 59 04.5 +1.5, SPITS, S, S, 00 07 51.8 +4.2

Table with columns: MORW Morawa, 62.38 196, P, P, 23 59 04.5 +1.5, SPITS, S, S, 00 07 51.8 +4.2

Table with columns: SPITS, S, S, 00 07 51.8 +4.2, 00 28 06.4, 00 28 59.3, 23 59 13.8 0.0, 23 59 14.3 +0.4, 00 07 48.4 -0.2, 00 27 21.0, 23 59 15.4 +1.5, 23 59 13.9 0.0, 23 59 11.7 -2.3, 23 59 24.8, 00 01 39.0, 00 03 06.0, 00 07 45.0 -3.7, 00 08 58.0, 23 59 28.6, 00 29 07.4, 23 59 15.1 +0.9, 00 07 54.0 +4.9, 23 59 14.5 -0.7, 23 59 14.5 -0.7, 23 59 15.7 +0.1, 00 20 38.2, 23 59 16.1 -0.4, 23 59 16.1 -0.4, 23 59 16.3 +0.8, 00 26 46.3, 23 59 16.3 +0.8, 23 59 14.9 -0.6, 23 59 18.3, 00 01 38.2 +1.5, 00 07 53.6 +2.0, 00 30 04.6, 23 59 15.9 -0.6, 23 59 16.3 +0.1, 23 59 17.8 +1.6, 23 59 16.5 +0.4, 00 31 47.2, 23 59 17.5 +1.2, 00 07 58.5 +5.6, 23 59 17.1 +0.7, 23 59 18.0 +1.6, 23 59 19.4 +3.0, 23 59 16.8 -0.5, 23 59 50.2, 00 20 44.8, 23 59 16.1 -0.6, 23 59 19.3 +2.6, 23 59 14.6, 23 59 14.8 -1.9, 00 01 36.2 -2.0, 00 07 53.9 +0.1, 00 12 08.0 +4.5, 00 30 34.5, 23 59 18.5 +1.3, 00 08 00.1 +5.4, 23 59 16.6 +1.3, 23 59 32.8, 00 29 10.3, 23 59 19.1 +1.8, 23 59 18.5 +1.3, 23 59 17.1 +2.6, 23 59 17.1 -1.4, 00 08 07.2 +1.0, 00 35 14.9, 23 59 19.8 -0.5, 23 59 19.8 -0.5, 23 59 19.8 -0.5, 23 59 21.1 +2.6, 23 59 21.1 +2.6, 23 59 21.7 0.0, 23 59 21.7 0.0, 23 59 21.2 -0.4, 23 59 21.3 -0.5, 23 59 21.3 -0.5, 23 59 21.3 -0.5, 23 59 21.0 +0.6, 23 59 19.0 +0.6, 23 59 19.0 +0.6, 23 59 18.9 +0.4, 23 59 34.1, 23 59 21.1 +2.6, 23 59 17.1 -1.4, 00 08 07.2 +1.0, 00 35 14.9, 23 59 21.8 +0.6, 23 59 23.5 +2.3, 23 59 21.7 0.0, 23 59 21.7 0.0, 23 59 21.2 -0.4, 23 59 21.3 -0.5, 23 59 21.3 -0.5, 23 59 21.3 -0.5, 23 59 21.7 -0.3, 23 59 21.7 -0.3

Table with columns for call sign (e.g., V35K, T35M), name (e.g., Ketchikan, Bob Quinn), frequency, power, and other technical details.

Table with columns for call sign (e.g., SHMA, MGBR), name (e.g., Al-Shehemia, Mount Gambier), frequency, power, and other technical details.

Table with columns for call sign (e.g., MNK, MARD), name (e.g., Mardin, Arapgir-MALATY), frequency, power, and other technical details.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PSZ Piszkesteto, KSP Ksiaz, G08A Pilot Rock, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PRU Prague, ARG Arkhangelos, MZK Matakaoa Point, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MFID Camas, MOA Molln, BHW Baring Head, etc.

Table with columns: call sign, name, frequency, mode, status, and other parameters. Rows include stations like ABTA, YHL, WATA, WTSTA, YHB, STAL, STU, YHM, MOTA, ELK, RETA, YNE, CTI, RLMT, DAVA, BFO, WLF, TPWF, HUU, DGMT, GMN, SNOW, BCW, DAVOX, GRAC, TEOL, ISA, LAO, DOU, LBWR, BBU, R1B, ECH, TUE, CWF, STNC, WCT, and WCT.

Table with columns: call sign, name, frequency, mode, status, and other parameters. Rows include stations like S11A, HWUT, SPR3, CCAC, GUMA, TPNN, TPNN, IDGL, DUG, DUG, GWY, NRCA, CAMP, BW06, PDAR, PDAR, PDAR, INTR, INTR, AQU, PRMA, PASC, PASC, PRN, PRN, TIP, TIP, TIP, PSUT, ILTH, GSC, GSC, CESC, NRS, NRS, OSSC, VLC, MPU, MPU, SHPR, MCH1, MCH1, MONM, BSUT, BSUT, MSSA, MSSA, DSB, DSB, DSB, ELS, ULM, ULM, ULM, MVU, MVU, TMUT, CEL, CEL, V12A, MDND, MDND, RDMU, RDMU, LCMT, LCMT, Q16A, PFO, PFO, PFO, PFO, CLF, P18A, K22A, K22A, IGLA, KNB, KNB, KNB, E28A, E28A, and SRU.

Table with columns: call sign, name, frequency, mode, status, and other parameters. Rows include stations like KUO, KUO, TKX, TKX, LDF, LDF, CBX, W13A, EPLO, O20A, HMU, U15A, YUH, YUH, SSB, SSB, SSB, AGMN, AGMN, VAE, HAYD, HAYD, BLYC, BLYC, RAFF, ESJX, ESJX, PPT, PPT, GLA, GLA, GLA, GLA, PV21, PV21, PV22, PV22, PV20, PV04, PV07, PV07, PV03, VTX, VTX, PV02, PV15, PV15, PV01, Y14A, WUAZ, WUAZ, WUAZ, 113A, 113A, ISCO, SUSD, SUSD, SFX, SFX, MVCO, MVCO, MVCO, BRIGG, BRIGG, X16A, X16A, F33A, F33A, EYMN, EYMN, EYMN, EYMN, TBO, TBO, TBO, Q24A, X16A, K30B, K30B, OGNE, OGNE, OGNE, E10N, SDCO, SDCO, E38A, E38A, ECSD, ECSD, TUC, TUC, TUC, TUC, KSCO, KSCO, SPMN, SPMN, T25A, T25A, T25A, LDK, LDK, BGNE, BGNE, KEST, KEST, and KEST.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like Boston College, IFR Irlane, T50A Nancy, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like QSPA South Pole Qui, QSPA South Pole Qui, CHIV Chivirico, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like AQDB Aquidauana, RPRD Ribas do Rio P, CAM01 Campos-RJ, etc.

IDC 09 23:51:11.2,8.3,0.14S; 100°12'E, h0km, mb4.3/6, m-bmp=62.6km, az=3.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like PPI Padang Panjang, SISI Saibi, MNSI Mandailing Nat, etc.

JMA 10 00:01:28.9,0.1,31.9N;0.3,131.9E;0.6,h27km,1km, MV3.8/39, HUYGANADA REGION

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like JTSN Tsuno, JNKS Nichinankitago, JHHC Hyugahichiya, etc.

IDC 10 00:04:12.7,7.9,32.06S; 179°79'E, h364km,91km, mb3.3/2, mbmp4.0/3, Error ellipse: s-maj=103.7km s-min=38.4km az=3.0

WEL 10 00:04:16.1,1.1,32.2S;8.7,17.9E;1.6,h12km,M4.2/9, mb4.8/9,ML4.7/10,MLV4.3/6,MW(mB)4.0/9, Error ellipse: s-maj=23.2km s-min=4.4km az=114.0, confirmed

ISC 10 00:04:11.5,1.1,31.86S;0.09,179.7E,0.2,h350km,n21, c=230/36, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like GLKZ Green Lake, GLKX Matakaoa Point, MZX Wangz, etc.

10d Oh

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RIGZ Rimuhau, MUGZ Murupara, SNGZ Shuron Station, etc.

SSNC 10 00:04:13.5,4,0,20:13N:71.12W, h120km, 95km, MD3.8, ML3.6

SDD 10 00:04:14.1,2,2,19:71N:71.20W, h23km, 10km, MD3.2, ML3.5, MW3.8

OSPL 10 00:04:14.3,2,0,19:73N:71.23W, h0km, 10km, ML3.2

ISC 10 00:04:12.9,1,0,19:76N:0.03:71.21W, h2km, 3km, n31, c144/55, 8C-12D, Dominican Republic region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MADR Mao Valverde, LUDR Luperon, MCDR Montecristi, etc.

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Main station list table with columns: PILO Pilon, Time, Res. Includes stations like PILO Pilon, PILO Pilon, PILO Pilon, etc.

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Main station list table with columns: KSRS Korea Array, Time, Res. Includes stations like KSRS Korea Array, KSRS Korea Array, KSRS Korea Array, etc.

Table of 10-day forecasts for stations 477-519. Columns include station ID, name, coordinates, and forecast data for each day.

Table of 10-day forecasts for stations 519-600. Columns include station ID, name, coordinates, and forecast data for each day.

Table of 10-day forecasts for stations 600-700. Columns include station ID, name, coordinates, and forecast data for each day.

Table with columns: NEA2, RC01, MCK, MCK, MCK, MCK, RND, RND, RND, F24K, F24K, PMR, PMR, PMR, PMR, SEW, H24K, H24K, GHO, GHO, WRH, G24K, G24K, COLA, COLA, COLA, COLA, CCB, D25K, D25K, POKR, POKR, KNK, KNK, SML, SML, PWL, PWL, ILAR, HDA, HDA, M23K, G25K, E25K, E25K, F25K, F25K, C26K, SCM, SCM, SCM, H25L, FYU, P23K, PRP, PRP, GLI, GLI, K24K, K24K, C27K, C27K, J25K, M24K, M24K, F26K, F26K, FID, PAX, PAX, PAX, KLU, KLU, G26K, G26K, RIDG, RIDG, RIDG, DIV, DIV, HARP, EYAK, SCRK, SCRK, SCRK.

Table with columns: DOT, DOT, J26L, J26L, I26K, I26K, N25K, N25K, N25K, E27K, E27K, E27K, KIRV, KIRV, KIRV, EIDS, EIDS, D27M, D27M, D27M, BMRM, BMRM, BMRM, MENT, MENT, G27K, G27K, G27K, KAIM, KAIM, H27K, H27K, H27K, I27K, I27K, M26K, M26K, M26K, K27K, K27K, K27K, E28M, E28M, E28M, E28M, MCARA, MCARA, MCARA, MCARA, CRQM, CRQM, CRQM, CRQE, CRQE, L27K, L27K, L27K, TGL, M27K, M27K, M27K, I28M, I28M, I28M, E29M, E29M, E29M, GRNC, GRNC, GRNC, BVCV, BVCV, MESA, G29M, G29M, G29M, CTG, CTG, CTGM, H29M, H29M, H29M, I29M, I29M, I29M, J29N, J29N, J29N, O28M, O28M, O28M, O28M, EPYK, EPYK, EPYK, F30M, F30M, F30M, G30M, G30M, G30M, YUK8, YUK8, YUK8, PCA, PINM, PINM, L29M, L29M, L29M, BELG, BELG, BELG, M29M, M29M, M29M, K29M, K29M, K29M, K30M, K30M, K30M, I30M, I30M, I30M, BCPM, YUK4, YUK4.

Table with columns: PNL, INK, INK, INK, INK, G31M, G31M, G31M, F31M, F31M, F31M, F31M, H31M, H31M, HYT, HYT, HYT, N30M, N30M, N30M, N31M, N31M, N31M, N31M, O30N, O30N, O30N, KLMR, KLMR, KLMR, STKA, A36M, A36M, SPITS, M31M, M31M, M31M, WHY, WHY, FARO, FARO, SKAG, SKAG, SKAG, N32M, N32M, N32M, BESE, BESE, BANOM, P32M, P32M, P32M, SHME, MPMY, MPMY, R32K, R32K, R32K, C36M, C36M, C36M, P33M, P33M, P33M, NOR, NOR, UOSS, AKT, AKT, AKT, AKT, SOHO, SOHO, HATD, ASHO, ASHO, LKRN, ARCES, ARCES, VRH, VRH, NAZ, Q32M, Q32M, FAQ, EUNU, EUNU, EUNU, MNGR, ASUD, MOS, MOS, R33M, R33M, U33K, GANJ, TGTN, LPSR, LPSR, WRAK.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like 3S4M Telegraph Cree, VORR Voronezh, WTLV Watson Lake, Y, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like BR104 Keskin Array S, BR106 Keskin Array S, BR105 Keskin Array S, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like HLID comp=Z,11nm,1.1s, WAKR Walker, BOZ Bozeman, etc.

10d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EPLO Experimental L, HMU Henry 10mn, 1.2s, AGMN Agassiz Nation, etc.

SDD 10:00:10.14.4z.2.1, 19.78N:71.23W, h20km, 13km, MD3.3, ML3.5, MW3.7

SSNC 10:00:10.15.0z.3.2, 19.70N:71.18W, h5km, MD3.5, ML3.6

OSPL 10:00:10.15.2z.1.9, 19.75N:71.25W, h0km, 13km, MD3.1

ISC 10:00:10.14.0.1, 19.75N:0.003:71.21W, 0.02, h23km, 8km, n36, c094/61, 9C-18D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MADR Mao Valverde, LUDR Luperon, MCDR Montecristi, etc.

2019 MAY

Table with columns: GRTK, Grand Turk, 1.75, 2, i, P, Pb, Sb, 00 20 30.9, +0.5, etc. Includes stations like LOBH Bahia de las A, LOVI El Cajului, etc.

NOU 10:00:17:28.0, 18.13S:168.51E, h80km, MLv4.5/16, Vanuatu Islands

IDC 10:00:17:30.6, 13.0, 18.13S:166.55E, h0km, mb4.0/3, mbmp4.0/4, ML4.1/1, Error ellipse: s-maj=231.1km

NEIC 10:00:17:32.1z.1.5, 18.2S:0.1:166.6E:0.2, h10km, 1km, mb4.4/6, Error ellipse: s-maj=28.8km s-min=19.5km az=279.0

ISC 10:00:17:26.9, 1.2, 18.13S:0.05:168.50E:0.10, h100km, n25, c1920/26, mb4.1/6, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DVP Devils Point, INH Isangal, etc.

NEIC 10:00:19:07.9, 1.4, 17.63S:0.06:178.4W:0.2, h595km, 10km, mb4.2/14, Error ellipse: s-maj=24.1km s-min=7.9km az=79.0

IDC 10:00:19:07.3z.2.0, 17.66S:178.42W, h595km, 20km, mb3.3/5, mbmp4.3/6, Error ellipse: s-maj=29.6km s-min=24.6km az=150.0

ISC 10:00:19:07.0, 9.178S:0.1x178:4W:0.2, h600km, n26, c0559/26, mb4.1/13, Fiji Islands region

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

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Table with columns: MBWA, comp=Z, 1.5nm, 1.1s, South Pole Poles, 72.47 180, etc.

IDC 10:00:23:36.5z.2.0, 28.33N:54.62E, h30km, mb3.7/5, mbmp3.7/5, ML1.2/1, Error ellipse: s-maj=55.8km s-min=29.3km az=45.0

TEH 10:00:23:37.2z.28:15N:54:57E, h18km, 54km, OMAN 10:00:23:38.1z.0.1, 28.27N:54.67E, h10km, ml3.1/12, ms4.8/4, Error ellipse: s-maj=2.7km s-min=1.5km az=349.0

KRM 10:00:23:38.1z.1.1, 28.24N:54.49E, h15km, ML2.6/9, Error ellipse: s-maj=14.4km s-min=4.2km az=20.0

ISC 10:00:23:37.4z.0.7, 28.27N:0.04:54.64E:0.03, h10km, n66, c152/80, mb3.8/4, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LAR1 LAR, JHRM Jahrom, etc.

0.8nm,0.6s,baz=114,slow=4.9,SNR=4.3
0.8nm,0.6s

IDC 10 00:32:14.7±1.3,2.18N,127.44E,h0km,mb4,0/9,
mbmp4,1/9, Error ellipse: s-maj=121.8km s-min=15.1km
az=63.0
NEIC 10 00:32:25.4±1.1,2.21N,0.07,127.09E,0.07,h91km±16km,
mb4.5/5, Error ellipse: s-maj=13.5km s-min=6.0km
az=136.0
DJA 10 00:32:26.9±2.2,N4.4×12.7E,±h34km,46km,M4.4/12,
mB5.3/1,mb4.7/3,MLV4.3/12,Mv(mB)4.8/1
ISC 10 00:32:23.4±0.9,2.18N,0.07,127.10E,0.08,h63km,n23,
±2518/25,mb4.0/9,Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like TATI Ternate, SGTI Sangihe, KMSI Cibinong, etc.

TAP 10 00:37:20.4,23.17N,121.37E,h17km,ML3.3,3C-9D,C,
Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like CHKH Chenggong, CHKH Chengkung, FULB Fuli, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like LXIB WUSB Renai, TYC Yuchir, MASBT Mashbuluo, etc.

TAP 10 00:37:33.2,24.28N,121.65E,h7km,ML1.1,C,Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like EHP Heping Village, EAHA Aohua, NACS Ninganchiao, etc.

MCSM 10 00:41:58.7±0.6,45°N,6.5°E,±h121km,6km,MLV2.7
BUC 10 00:41:60.0±0.2,45°54'N,26°53'E,h120km,1km,m3.6/50,
Error ellipse: s-maj=1.3km s-min=1.2km az=8.0
SOF 10 00:42:01.8,45.44N,0.02,26.52E,0.03,h100km,1km,
MD3.2/3

ISC 10 00:41:59.0±1.3,45.55N,0.03,26.52E,0.03,h129km,6km,
n83,±9518/27,60C-43D,Romania

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like IZVR SULR, SULR, DOPR Dopca, etc.

GCG 10 00:53:03.8±0.4,12.25N,89.68W,h11km,6km,MD4.4

IDC 10 00:53:07.0±4.5,13.45N,88.11W,h0km,mb3.5/2,
mbmp3.5/2, Error ellipse: s-maj=172.9km s-min=71.6km

CATAC 10 00:53:07.8±0.8,12°N,3.8°W,±h16km,8km,M3.5/16,
MLV3.5/16, Error ellipse: s-maj=10.2km s-min=4.9km
az=54.6, confirmed

SNET 10 00:53:12.5±1.4,12.81N,89.25W,h19km,ML3.5
ISC 10 00:53:08.3±2.0,12.55N,0.08,89.38W,0.05,h28km±12km,
n58,±124/68,Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like LALI Alcalda de L, LALI, LALI, etc.

Table with columns: CRIN, San Cristobal, 2.28, 86, P, Pn, 00 53 43.6 -0.6, etc.

Table with columns: HOWZ, Holdsworth, 2.47, 187, P, Pn, 01 33 50.9 +1.5, etc.

Table with columns: ATKA, Atka Island, 0.91, 51, Sn, Pn, 02 09 15.1 -0.2, etc.

IDC 10 00:56:29.1±29.0, 24.84S:179.75W, h279km, v258km, mb2.9/3, mbtmp3.5/3, Error ellipse: s-maj=121.4km

SJA 10 01:54:56.0±0.7, 21.38S:68.61W, h111km, v10km, ML3.5, MW3.6

ATKA 10 01:54:56.0±0.7, 21.38S:68.61W, h111km, v10km, ML3.5, MW3.6

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

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

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

WEL 10 01:33:11.8±1.0, 38°S±7.17°E±1.1, h150km, v7km, M3.4/8.0, ML2.9/2.0, MLv3.4/8.0, Error ellipse: s-maj=11.6km

SJA 10 01:54:56.0±0.7, 21.38S:68.61W, h111km, v10km, ML3.5, MW3.6

ATKA 10 01:54:56.0±0.7, 21.38S:68.61W, h111km, v10km, ML3.5, MW3.6

Main table of station data for WEL, columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, etc.

Main table of station data for SJA, columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, etc.

Main table of station data for ATKA, columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, Res. Includes stations like WAKE ISLAND Hy 34.77 210 T, WAKE ISLAND Hy 35.98 210 T, etc.

10d 02:14:11.51-9.1, 51.79N:175.42W, h0km, mb3.7/12, mbmp3.8/15, ML4.4/2, Error ellipse: s-maj=46.9km

10d 02:14:15.91, 6.1, 51.79N:175.26W:0.07, h40km, 8km, Error ellipse: s-maj=12.8km s-min=5.6km az=166.0

10d 02:14:17.1, 1.8, 51.79N:175.29W:0.06, h35km, 2km, mb3.9/20 ML4.0/6, ML3.9/AEIC, Error ellipse: s-maj=17.6km s-min=3.2km az=167.0

10d 02:14:16.7-0.9, 51.68N:175.34W:0.04, h47km, n83, s102/69, mb3.8/19, Andronoff Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, Res. Includes stations like Great Sitkin C, Great Sitkin T, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, Res. Includes stations like VABM Dome, White Mountain, Granite Mounta, etc.

10d 02:32:32.0, 0.3, 10.1N:2.8W:1.1, h5km, 1km, M3.0/13, MLV3.0/13, Error ellipse: s-maj=6.7km s-min=2.5km

10d 02:32:31.7, 1.3, 10.167N:83.73W, h22km, 32km, ML3.5

10d 02:32:32.6, 0.9, 9.88N:103.84W:0.03, h10km, 1km, ML2.8/8, Error ellipse: s-maj=5.9km s-min=2.8km az=44.0

10d 02:32:32.3-0.9, 9.89N:104.84W:0.04, h11km, 7km, n29, c07/42, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, Res. Includes stations like Tacares, Heredia, Lucha 2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, Res. Includes stations like MLIR3, CARN Rivas, CARN, etc.

10d 02:41:52.0, 1.6, 27.49N:56.18E, h0km, mb3.8/9, mbmp3.9/14, ML4.0/5, Error ellipse: s-maj=30.4km s-min=20.5km az=5.0

10d 02:41:53.6, 27.43N:56.32E, h13km, 19km, THR 10d 02:41:54.7, 0.0, 27.43N:56.21E, h21km, 2km, ML4.1

10d 02:41:54.9, 1.4, 27.54N:56.24E, h15km, ML3.7/14, Error ellipse: s-maj=16.8km s-min=8.3km az=50.0

10d 02:41:55.3-0.5, 27.60N:56.42E, h29km, 3km, mb4.2/11, mh.0/23, Error ellipse: s-maj=5.2km s-min=1.9km az=20.0

10d 02:41:56.7, 2.4, 27.50N:0.08W:0.06, 0.04, h35km, 2km, mb4.1/16, Error ellipse: s-maj=14.3km s-min=4.2km az=163.0

10d 02:41:53.4-0.5, 27.51N:0.03W:0.03, h10km, n152, c177/162, mb4.0/18, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, Res. Includes stations like BNSD Bandar-Abbas, BNSD Bandar-Abbas, etc.

10d 02:45:11.5, 1.1, 25.91N:68.81E, h0km, mb3.8/12, mbmp3.8/15, ML4.4/2, Error ellipse: s-maj=46.9km

10d 02:45:15.9, 1.6, 51.79N:175.26W:0.07, h40km, 8km, Error ellipse: s-maj=12.8km s-min=5.6km az=166.0

10d 02:45:17.1, 1.8, 51.79N:175.29W:0.06, h35km, 2km, mb3.9/20 ML4.0/6, ML3.9/AEIC, Error ellipse: s-maj=17.6km s-min=3.2km az=167.0

10d 02:45:16.7-0.9, 51.68N:175.34W:0.04, h47km, n83, s102/69, mb3.8/19, Andronoff Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, Res. Includes stations like QSTK Great Sitkin C, QSTK Great Sitkin T, etc.

Table of astronomical observations for 10d 3h, listing stations like MZR, TRNA, JMDO, SAKS, SRVN, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2019 MAY, listing stations like HHC, B22K, C23K, C36M, F30M, etc., with columns for station name, coordinates, and observation details.

NEIC 10 03:13:28.6:1.4, 12.645S:0.05:45.6E:0.1, h10km, 2.2km, mb4.4/13, Error ellipse: s-maj=21.9km s-min=4.0km az=68.0

IDC 10 03:13:29.7:1.3, 12.795S:45.38E, h0km, mb3.7/4, mbmp3.9/6, ML4.1/2, Error ellipse: s-maj=54.1km s-min=25.8km az=153.0

ISC 10 03:13:28.0:0.7, 12.833S:0.06:45.53E:0.07, h10km, n32, c248/36, mb4.3/9, Northwest of Madagascar

Table of astronomical observations for 2019 MAY, listing stations like SBV, OPO, FIRH, ATG, ABPO, etc., with columns for station name, coordinates, and observation details.

BUI 10 03:23:30.6:28.10S:176.00W, h11km, mb5.8/54, mb5.4/52, Ms5.7/70, Ms7.5/470

IDC 10 03:23:30.7:0.4, 28.625S:176.72W, h0km, mb5.0/26, mbmp5.0/28, MLS5.2, MS5.4/54, Error ellipse: s-maj=15.5km s-min=13.4km az=121.0

MOS 10 03:23:31.5:1.2, 28.585S:176.90W, h10km, mb5.4/31, MS5.6/11, Error ellipse: s-maj=12.2km s-min=8.7km az=104.7

NEIC 10 03:23:33.1:28.60S:177.00W, h20km, Moment Tensor Solution. Duration: 365 Moment tensor: Scale 1017Nm; Mn:3.62; M0:0.82; M0:4.43; M0:2.26; M0:0.53; M0:0.16;

NEIC 10 03:23:33.0:2.1, 28.675S:176.78W, h10km, mb5.0/1km, mb5.4/352, Ms.20.5.7/1009, Mw5.7/27 Error ellipse: s-maj=16.6km s-min=14.0km az=192.0

ISC 10 03:23:33.0:1.28, 50S:0.01:176.35W, h15km, Mw5.8/158, Moment Tensor Solution. s145.c286; s158.c338; Duration: 158 Moment tensor: Scale 1017 Nm; Mn:4.30E:05; M0:0.14E:04; M0:4.44E:04;

ISC 10 03:23:33.1:0.6, 28.785S:176.58W, h0km, mb5.3km, h1c-38D, Kermadec Islands region

Table of astronomical observations for 2019 MAY, listing stations like GLKZ, RIZ, RIZ, MXZ, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2019 MAY, listing stations like KUZ, KUZ, RUGZ, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2019 MAY, listing stations like URZ, URZ, URZ, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2019 MAY, listing stations like URZ, URZ, URZ, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2019 MAY, listing stations like URZ, URZ, URZ, etc., with columns for station name, coordinates, and observation details.

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Table of astronomical observations for 2019 MAY, listing stations like URZ, URZ, URZ, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2019 MAY, listing stations like URZ, URZ, URZ, etc., with columns for station name, coordinates, and observation details.

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like LHI, TBI, AUWSH, PPT2, ARMA, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like VVDA, HNP, MWH, PUH, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like SYO, YULB, JNU, etc.

Table with columns: Station Name, Comp, Az, El, AzEl, Wind Dir, Wind Spd, Wind DirSpd, Rain, Clouds, Visibility, Temp, DewPt, Humid, Press, Alt, and other weather data.

Table with columns: Station Name, Comp, Az, El, AzEl, Wind Dir, Wind Spd, Wind DirSpd, Rain, Clouds, Visibility, Temp, DewPt, Humid, Press, Alt, and other weather data.

Table with columns: Station Name, Comp, Az, El, AzEl, Wind Dir, Wind Spd, Wind DirSpd, Rain, Clouds, Visibility, Temp, DewPt, Humid, Press, Alt, and other weather data.

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like Blue Mountains, Trail Mountain, Alpina, Bella Bella, etc.

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like K17K, EYAK, FID, SUCK, J16K, LLLB, BJT, BJI, BJJ, etc.

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like O29M, BW06, PDAR, PDAR, PDAR, etc.

Table with columns: Station Name, Altitude (ft), Azimuth, Elevation, and other data points. Includes stations like HERN, CCB, N31B, K22A, etc.

Table with columns: Station Name, Altitude (ft), Azimuth, Elevation, and other data points. Includes stations like OK051, TOLK, D23K, etc.

Table with columns: Station Name, Altitude (ft), Azimuth, Elevation, and other data points. Includes stations like I40A, W50A, P46A, etc.

Table listing various stations and their details including call signs, frequencies, and service types.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Moravsky, Novy Kostel, Novy Kostel, Smolenice, Surduc, Srobarova, Srobarova, Zvikov, Kasperske Hory, Kasperske Hory, Kasperske Hory, Grafenberg, Grafenberg, Cesky Krumlov, Cesky Krumlov, Geres Array B, Geres Array B, Conard Observa, Rosalia, Austr, Karpatos, Walferdang, Molin, Arzberg, Arzberg, Bechseley, Bad Ischl, Aus, SOKA Soboth, LESA Schwarzleotal, KBA Koelnbreinsper, OBKA Obr, WATA Walderalm, MYKA Terra Mystica, WTTA Wattenberg, META Reutte, MOTA Micosam, SOTA Sankt Quirin, ABTA Abfaltersbach, DAVA Damuels, PMOZ Porto Moniz, M, PMAZ PMAZ, PMAZ PMAZ, PMAZ PMAZ, POLO Lamas de Olo, PVIS Visu, MVO Moncorvo, MVO MVO, MVO MVO, COI Coimbra, PCAS Casimiro, Conde, PSBE So Bento, MTE Manteigas, LIS Lisbon, LIS Lisbon, LIS Lisbon, PMTA Montargis, CEL Celveste, PMRV Marv'70, PMRV Marv'70, PMRV Marv'70, PMRV Marv'70, EVO Evora, PESTR Estremoz, PTEO Sao Teotonio, MESJ Messejana, MESJ Messejana, MESJ Messejana, PVFI Vila Bisbo, MORF Marnelete, MORF Marnelete, MORF Marnelete, MORF Beja, PCVE Castro Verde, PBAR Barrancos, PBVD Barrancos-do-Ve, PVAQ Vaqueiros, PVAQ Vaqueiros, ESDC Sonseca Array, ESDC Sonseca Array.

KNET 10 03:29:15.2, 0.4, 42.25N, 76.20E, h10km, 3km, ml1.4, Error ellipse: s-maj=6.9km s-min=1.4km az=61.0
SOME 10 03:29:15.0, 42.23N, 76.33E, h15km
NMC 10 03:29:15.1, 0.6, 42.28N, 76.33E, h0km, mb3.1, mpv2.8, Error ellipse: s-maj=3.8km s-min=3.0km az=4.0
ISC 10 03:29:14.9, 1.1, 42.25N, 0.05, 76.33E, 0.03, h11km, 6km, n29, c054/52, 6-3D, Lax Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like IZV IZvestkovy, IZV IZvestkovy, IZV IZvestkovy, KST Kastele, KST Kastele, TKMZ Tokmak 2, TKMZ Tokmak 2, MTBS Matube, MTBS Matube, MTBS Matube, TNSS Tian-Shan, TNSS Tian-Shan, TNSS Tian-Shan, DGS Degeres, DGS Degeres, KOTS Kotyrbulak, KOTS Kotyrbulak, KOTS Kotyrbulak, AAK Ala-Archa, AAK Ala-Archa, KTBS Karamol, KTBS Karamol, KUU Kurty, KUU Kurty, KUU Kurty, CHKK Chushlyak, CHKK Chushlyak, CHKK Chushlyak, USP Oshpenovka, USP Oshpenovka, USP Oshpenovka, SATY Satym, SATY Satym, SATY Satym, KURS Kurys, KURS Kurys, AML Almkayashu, AML Almkayashu, KPKS Kopek, KPKS Kopek, KPKS Kopek, UZB Uzynbulak, UZB Uzynbulak, UZB Uzynbulak, ARXS Arharly, ARXS Arharly, ARXS Arharly, MRKS Merke, MRKS Merke, MRKS Merke, BLB Baldynbasty, BLB Baldynbasty, BLB Baldynbasty.

ISC 10 03:31:36.0, 0.6, 28.52S, 176.86W, h0km, mb4.2/14, mbmp4.4/18, Error ellipse: s-maj=22.0km s-min=18.9km az=107.0
NEIC 10 03:31:37.2, 2.3, 29.0S, 0.1, 176.6W, 0.2, h10km, 1km, mb4.9/10, Error ellipse: s-maj=24.0km s-min=17.4km az=72.0

ISC 10 03:31:36.1, 0.6, 28.92S, 0.07, 176.40W, 0.07, h10km, n66, c1943/81, mb4.4/18, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like GLKZ Green Lake, GLKZ Green Lake, RIZ Raoul Island, RIZ Raoul Island, WMGZ Waiomatatini S, WMGZ Waiomatatini S, PKGZ Pakihiroa, PKGZ Pakihiroa, HAZ Te Kaha, HAZ Te Kaha, PUKETI Puketiti, PUKETI Puketiti, RUGZ Raukumara Rang, RUGZ Raukumara Rang, TWGZ Tauwhareparae, TWGZ Tauwhareparae, CNGZ Carnagh Statio, CNGZ Carnagh Statio, TKGZ Te Karaka, TKGZ Te Karaka, URZ Urewera, URZ Urewera, URZ Urewera, ETAZ East Tamaki Re, ETAZ East Tamaki Re, RAGZ Rawiri, RAGZ Rawiri, RIGZ Rimuhau, RIGZ Rimuhau, PRGZ Paritu Road, PRGZ Paritu Road, MUGZ Murupara, MUGZ Murupara, SHNZ Shannon Statio, SHNZ Shannon Statio, MHGZ Mahia Peninsula, MHGZ Mahia Peninsula, BKZ Black Stump Fm, BKZ Black Stump Fm, BKZ Black Stump Fm, KWHZ Kaweka Forest, KWHZ Kaweka Forest, ETVZ East Tongariro, ETVZ East Tongariro, KRHZ Kereru, KRHZ Kereru.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like BFZ Birch Farm, BFZ Birch Farm, RPZ Rata Peaks, RPZ Rata Peaks, EAZ Garskeough, EAZ Garskeough, ARMA Armadale, ARMA Armadale, ARMA Armadale, COEN Coen, COEN Coen, BB00 Buckleboe, BB00 Buckleboe, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, WRA Warramunga Arr, WBO Warramunga Arr, WBO Warramunga Arr, FORT Forest, FORT Forest, VANDA Vanda, VANDA Vanda, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, QSPA South Pole Qui, QSPA South Pole Qui, QSPA South Pole Qui, MAW Mawson, MAW Mawson, MAW Mawson, PLCA Paso Flores, PLCA Paso Flores, KSRS Korea Array, KSRS Korea Array, PETK Petrogavloski, PETK Petrogavloski, NVAR Mina Array Bea, NVAR Mina Array Bea, TPNV Topopah Spring, TPNV Topopah Spring, USRK North Rim, USRK North Rim, TXAR Lajitas Array, TXAR Lajitas Array, MKAR Makanchi Array, MKAR Makanchi Array, KURB Kurchatov Array, KURB Kurchatov Array, BVAR Borovoye Array, BVAR Borovoye Array, ARCS ARCESS Array B, ARCS ARCESS Array B, FINES FINES Array B, FINES FINES Array B, NC303 NORARS Array B, NC303 NORARS Array B, NO2 NORARS Subarray, NO2 NORARS Subarray, HFS Hagfors, HFS Hagfors, AKASG Main Array B, AKASG Main Array B, AKBB Malin Array B, AKBB Malin Array B, BRTR Keskin Array B, BRTR Keskin Array B.

IDC 10 03:38:28.1, 0.7, 10.30S, 161.55E, h70km, 5km, mb4.1/17, mbmp4.4/18, Error ellipse: s-maj=13.4km s-min=8.2km az=30.0
NEIC 10 03:39:28.1, 1.6, 10.2S, 0.1, 161.5E, 0.1, h78km, 7km, mb4.6/71, Error ellipse: s-maj=15.5km s-min=14.7km az=218.0

ISC 10 03:38:29.6, 0.4, 10.21S, 0.07, 161.53E, 0.07, h85km, n81, c1925/69, mb4.5/50, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like HNR Honiara, HNR Honiara, HNR Honiara, DZM Munt Dzumac, DZM Munt Dzumac, TARA Tarawa, TARA Tarawa, EIDS Eidsvold, EIDS Eidsvold, COEN Coen, COEN Coen, ARMA Arma Ata, ARMA Arma Ata, CAN Canberra, CAN Canberra, WBO Warramunga Arr, WBO Warramunga Arr, WRS Warramunga Arr, WRS Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, STKA Stephens Creek, STKA Stephens Creek, ASAR Alice Springs, ASAR Alice Springs, TOO Tooolangi, TOO Tooolangi, RTZ Ruatuhuna, RTZ Ruatuhuna, KNRA Kuniuro, KNRA Kuniuro, BB00 Buckleboe, BB00 Buckleboe, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, PSA00 Pilbara Seismi, PSA00 Pilbara Seismi, MBWA Marble Bar, MBWA Marble Bar, MJAR Matsushiro Arr, MJAR Matsushiro Arr, HHM Humu'ula Sheep, HHM Humu'ula Sheep, JNU Nakatsu, JNU Nakatsu, KSRS Korea Array, KSRS Korea Array, USRK Ussuriysk Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr, HEH Heihe, HEH Heihe.

Table with columns: Code, Station Name, Az, Op, Phase, ID, h, m, s, Res, ISC. Includes stations like Vanda, Chiang Mai Arr, Songoing Array, Songoing Array, Songoing Array, etc.

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

Table with columns: Code, Station Name, Az, Op, Phase, ID, h, m, s, Res, ISC. Includes stations like MOS 103:51:03.0, KRSC 103:51:03.3, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TGTN Hyland Airport, WRAK Wrangeli Island, T35M Bob Quinn, etc.

JMA 10 05:04:50.7 0.1, 28.1N, 0.6-130.4E, 0.5, h39km, 1km, MV3.1/18, NEAR AMAMI-OOSHIMA ISLAND, Ryukyu Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like JZK Kikaishima, JAM Amami Oshima, JMN Amaminishikomi, etc.

TAP 10 05:01:22.3, 25.46N, 122.29E, h213km, 1km, ML3.1, D JMA 10 05:01:24.1, 0.3, 25.46N, 122.29E, h195km, MV3.0/9, TAIWAN REGION

ISC 10 05:01:22.2, 25.25N, 0.1, 122.32E, 0.05, h213km, 1.6km, n47, c0579/81, Taiwan region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TWB1 Santiao Chiao, SX1 Grass Mountain, TNOU National Taiwan, etc.

ALS Alishan 2.28 218 eP Pn 05 02 05.1 +0.3 JIRB Irbujima 2.63 100 S S 05 02 43.3 -0.7

JMA 10 05:04:29.5 0.2, 41.9N, 0.5-139.9E, 1.0, h162km, 1km, MV3.1/32, SW OFF HOKKAIDO

ISC 10 05:04:29.5 0.1, 42.02N, 139.89E, h175km, 18km, mb3.6/5, mbmp4.0, MS3.4/1, Error ellipse: s-maj=33.7km

s-min=18.9km az=131.0 SKHL 10 05:04:32.2 0.6, 42.20N, 140.80E, h208km, 3km, mb4.3/3, msh5.2/3

ISC 10 05:04:28.1 0.9, 41.95N, 0.05-140.07E, 0.05, h171km, 7km, n29, c160/39, mb3.9/5, Hokkaido region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like JYM2 Yakumo 2, JOJM Oshimatsumae, JOSM Okushiri-Mats, etc.

ASAJ 30nm, 0.3s, baz=239, slow=14, SNR=34

AKK Akkeshi 3.69 72 eP Pn 05 05 26.1 +1.2

NMR Nemuro-Hokkai 4.41 69 eP Pn 05 05 34.7 +0.6

YUK Yuzuri-Kulik 4.73 62 eS A 05 05 29.2 -4.1

YUC 130nm, 0.5s Y 05 06 32.5

SHO Shikotan 5.32 67 eP AMB 05 05 45.8 -0.2

SHO 30nm, 0.3s A 05 05 47.2

SHO 100nm, 0.4s A 05 06 46.7

SHO 60nm, 0.4s A 05 06 46.7

YSS Yuzhno-Sakhali 5.36 20 eP AMB 05 05 48.2 +1.7

YSS 50nm, 0.4s A 05 06 48.4

YSS 10.0nm, 0.3s A 05 06 48.4

MYAR Matsushiro Arr 5.59 196 P Pn 05 05 51.1 +1.5

USRK Uzurysk Arr 6.53 297 P Pn 05 05 59.1 -0.1

KUR Kuri'sk 6.64 57 eP AMB 05 06 01.5 -0.5

KUR 10.0nm, 0.4s LR 05 06 02.5

JNU Nakatsu 11.43 223 LR 05 11 38.9

ZALV Zalesovo Beam 37.95 308 P P 05 11 28.8 0.0

MKAR Makanchi Array 40.78 297 P P 05 11 51.9 -0.4

KURBB Kurchatov Arr 42.28 304 P P 05 12 04.3 -0.1

BVAR Borovoye Array 46.59 309 P P 05 12 38.0 -0.5

FINES FINESS Array B 64.00 331 P P 05 14 42.7 0.0

ISC 10 05:13:57.0 0.8, 36.62S, 94.30W, h0km, mb3.9/8, mbmp3.9/9, ML3.6/1, MS4.1/5, Error ellipse: s-maj=28.4km

s-min=20.1km az=85.0 NEIC 10 05:14:02.1 1.3, 36.8S, 0.1, 93.90W, 0.05, h10km, 2km, mb4.5/35, Error ellipse: s-maj=22.7km s-min=6.2km

az=171.0 ISC 10 05:13:59.4 0.7, 36.93S, 0.1, 94.1W, 0.1, h10km, n58, c1904/47, mb4.4/21, MS4.1/5, West Chile Rise

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like H03S2 Juan Fernandez, H03S1 Juan Fernandez, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LL01 San Ignacio de, LR05 Currie, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AY01 Puyuhuari, B102 San Fabin de, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MT01 Popeta, MT02 Curacav, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MT05 Renca, AC05 El Transito, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AC02 Maricunga, TRQA Torquist, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TA01 Diego Aracena, PB11 IPEC Station P, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NNA Nana, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CZSB Cruzeiro do Su, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SIV San Ignacio, PAYG Puerto Ayora, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SAML Samuel, MACA Manacapuru-AM, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ESQI Esquipulas, CCIG Comitán, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like QSPA South Pole Qui, MDP Montages de, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SVN Savane Anatole, CELP Cerrillos, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TXAR Lajitas Array, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TX31 Lajitas Ar. Si, URZ Urewera, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WHAR Woolly Hollow, WHAR Woolly Hollow, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NVAR Mina Array Bea, PD31 Pinedale Array, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PDAR Pinedale Array, KBZ Khabaz, etc.

AZER 10 05:21:37.5, 39.33N, 46.04E, h10km, ml2.8

TEH 10 05:21:38.5, 39.30N, 46.08E, h10km, 145km

ISC 10 05:21:38.5 0.1, 39.29N, 0.02-46.04E, 0.02, h9km, 10km, n25, c1508/42, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ORD Ordubad, SBZ Shahbuz, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NAX Nakhchivan, IMRD Marand, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like QRD Qoradiz, HJR Heyderabad, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IHSB Shebaster, ITBZ Tabriz, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AGDM Agdam, IHRs Heris, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BLQ Berlyaqa, BRDA Brd, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GNI Garni, GANJ Ganja, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GEDABAY, IAZR Azarshahr, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MNGR Mingchevir, YRD Yardimli, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GLBA Qizax, Azerbaijan, QZX Qizax, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LRK Lerik, QBL Gabala, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ASTR Astar, XNQ Khinaliq, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BRTR Keskin Array B, KBZ Khabaz, etc.

10d 6h

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like KURSB, ZALV, MKAR, and KSRS.

CNRM 10 06:39:18.2, 33.566N, 12.50W, h11km, ML4.5
IGIL 10 06:39:19.4, 33.49N, 12.70W, h38km, ML2.8
MDD 10 06:39:19.1, 0.2, 33.49N, 12.70W, h38km, Mb4.7/43, M_mb4.2/43, Error ellipse: s-maj=4.7km s-min=1.3km az=130.0

ITMG 10 06:39:22.5, 1.1, 33.38N, 12.52W, h10km, ML3.0, Error ellipse: s-maj=4.3km s-min=1.4km az=127.0, #DIST_RANGE: REGIONAL #IPMA_REGION: Madeira Islands, Portugal Regi

ISC 10 06:39:17.6, 1.2, 33.48N, 0.06, 12.55W, 0.05, h10km, n119, c175/34, 42C, Madeira Islands region

Main table of station data for the 10-day period, including station names, coordinates, and various parameters.

2019 MAY

Main table of station data for May 2019, including station names, coordinates, and various parameters.

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mb4.8/33, Error ellipse: s-maj=17.2km s-min=4.1km az=162.0
GCMT 10 06:41:09.7, 0.4, 28.49S, 0.04, 176.38W, 0.03, h21km, 1km, MW4.9/67, Moment Tensor Solution, s26.c31, s67.c84, Duration: 0 Moment Tensor Scale 1019m; Mr2.53±.24; Mw-0.01±.15; Mw-2.53±.14; Mw-0.15±.34; Mw-0.32±.09; Ms-1.43±.21; Best double couple: M2.92700±.1016 NP1.0±.188, 0.000±.0, 83.0, 0.000±.0, 1.91, 0.000±.0. NP2: 0.6±.000, 0.000±.0, 1.89, 0.000±.0. Principal axes: T 2.9070, P1g75.0000, Azm725.0000; N 0.0340, P1g1.0000, Azm7.0000; P 2.9470, P1g15.0000, Azm97.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NOU 10 06:41:51.7, 31.92S, 178.23W, h103km, mb4.4/12, Kermadec Islands Region

ISC 10 06:41:07.2, 0.4, 28.88S, 0.05±176.71W, 0.09, h35km, n142, c1965/123, mb4.7/37, M54.2/40, 2C, Kermadec Islands region

Main table of station data for the 496-day period, including station names, coordinates, and various parameters.

10d 06:41:02.7, 0.5, 28.33S, 176.84W, h0km, mb4.5/20, mbtmp4.4/20, MS4.1/42, Error ellipse: s-maj=20.3km s-min=17.3km az=92.0
NEIC 10 06:41:04.7, 1.4, 28.53S, 0.10, 176.82W, 0.04, h10km, 1km,

Table listing astronomical observations with columns for station name (e.g., MAW, LEM, SBUM), coordinates, and various parameters like SNR and error margins.

Main table listing astronomical observations with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and other parameters. Includes sub-headers for CHPO, CACAP, etc.

Table listing astronomical observations with columns for station name (e.g., RMF, OUL, OUF), coordinates, and various parameters like SNR and error margins.

Table listing station names, coordinates, and seismic data for stations 10c through BOAB. Includes columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, and Residual.

Table listing station names, coordinates, and seismic data for stations INH through BOAB. Includes columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, and Residual.

Table listing station names, coordinates, and seismic data for stations PRRZ through BOAB. Includes columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, and Residual.

CATAC 10 08:26:15.2±0.4, 9°N, 2°8'5"W, h3km, 2km, M2.9/12, ML2.9/12, Error ellipse: s-maj=6.3km s-min=2.9km az=37.9, confirmed, Costa Rica

Table listing station names, coordinates, and seismic data for stations TCS1 through BOAB. Includes columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, and Residual.

CATAC 10 08:34:14.0±0.6, 11°N, 4°8'6"W, h67km, 6km, M2.5/8, ML2.5/8, Error ellipse: s-maj=9.7km s-min=4.9km az=38.2, confirmed, Near coast of Nicaragua

Table listing station names, coordinates, and seismic data for stations OPZR through URZ. Includes columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, and Residual.

Table listing station names, coordinates, and seismic data for stations STKA through WRAB. Includes columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, and Residual.

10d 8h

2019 MAY

Table with multiple columns containing station identifiers (e.g., NJ2, YSS, Yuzhno-Sakhal), call letters (e.g., pP, S, SSc), coordinates (e.g., 08 56 24.7 +0.5), and signal quality indicators (e.g., pmax, pP, pP, S, S, S). The table lists numerous stations across various geographic locations including Sakhalin, Heilhe, and the Japanese archipelago.

501 2019 MAY 10d 8h

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix.

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix.

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Correlation, Elevation Correlation, Azimuth Covariance Matrix, Elevation Covariance Matrix, Azimuth Bias Matrix, Elevation Bias Matrix, Azimuth Variance Matrix, Elevation Variance Matrix.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like G21K Allakaket, H22K Ishalaita Cre, HDA Harding Lake, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like DLBC comp=Z,330nm,21.6s, baz=256,slow=29, DLBC Dease Lake, D22K Ayikak River, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like WMQ comp=Z,46nm,1.1s, WMQ comp=Z,210nm,5.3s, WMQ comp=Z,320nm,23.9s, etc.

Table with columns for station name, coordinates, and status. Includes stations like CKRC, GALL, IDGL, etc.

Table with columns for station name, coordinates, and status. Includes stations like DYA, CCA1, TPA, etc.

Table with columns for station name, coordinates, and status. Includes stations like BCAR, HYT, G30M, etc.

Table with columns: AOPR, Arcelbio Observ, 0.83 941 eP, Pn, 09 14 23.6 +0.1, etc.

IDC 10 09:17:43.1±2.8, 15.135x177.43W, h404km, 2.7km, mb3.1/5, mbtmp3.9/6, Error ellipse: s-maj=33.7km s-min=24.3km az=135.0

ISC 10 09:17:40.5±1.1, 15.050x177.30W, 0.2, h372km, n6, r1586/6, mb3.5/5, Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

RSNC 10 09:25:48.2±0.0, 6°N, 177°44'W, h113km, 3km, M2.2, mb4.0, ML1.9, Colombia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

KRSC 10 09:28:02.9±1.1, 5.607N, 164.08E, h31km, 16km, MI3.6, Komandorsky Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

MEX 10 09:47:34.7±0.7, 14.79N, 92.49W, h77km, 21km, MD3.6

GCG 10 09:47:34.2±0.5, 14.90N, 92.38W, h75km, 6km, MD3.7

ISC 10 09:47:32.1±1.8, 14.72N, 010.9237W, 0.09, h86km, 12km, n11, c204/22, Near coast of Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: TGIG, UXUV, UXUV, 3.10 327 e, Pn, 09 48 41.9, etc.

STR 10 10:10:47.9±0.4, 46°N, 3°W, h0km, MLv2.1/13, Error ellipse: s-maj=0.0km s-min=0.0km az=86.6, preliminary, France

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IDC 10 10:15:16.2±1.7, 18S, 155°22E, h0km, mb3.6/4, mbtmp3.6/4, MS3.8/2, Error ellipse: s-maj=56.6km s-min=41.4km az=107.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

STR 10 10:34:53.5±0.4, 46°N, 3°W, h0km, MLv1.7/6, Error ellipse: s-maj=0.0km s-min=0.0km az=5.5, preliminary, France

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IDC 10 10:41:12.8±1.0, 28°S, 176°86W, h0km, mb4.0/7, mbtmp4.0/7, MS3.6/5, Error ellipse: s-maj=34.9km s-min=28.7km az=146.0

ISC 10 10:41:19.8±1.0, 28.4S, 02:176.9W, 0.2, h48km, n15, c052/13, mb4.0/7, MS3.7/3, Kermadec Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

ASAR Alice Springs 44.20 264 P 10 49 24.4 -0.1

ASAR 0.5nm, 0.5s, baz=119, slow=3.6, SNR=5.7 P 10 51 08.4 +0.4

ASAR 0.2nm, 1.08m, 18.2s, baz=204, slow=35 1.4nm, 0.7s P 11 07 08.7

WRA Warramunga Arr 45.01 270 P 10 49 30.9 0.0

WRA 1.9nm, 0.7s, baz=109, slow=7.6, SNR=7.1 P 10 51 11.6 +0.2

QSPA South Pole Qui 61.75 180 P 10 51 33.1 -0.1

1.3nm, 1.0s, baz=99, slow=1.8, SNR=5.5 1.3nm, 1.0s P 10 53 07.3 -0.8

MJAR Matushiro Arr 77.12 324 P 10 53 07.3 -0.8

1.9nm, 0.9s, baz=157, slow=6.3, SNR=3.7 0.8nm, 0.8s, baz=133, slow=5.2, SNR=4.9 P 10 53 42.9 +0.9

NVAR Mina Array Bea 86.10 42.0 P 10 53 56.4 +0.6

0.2nm, 0.5s, baz=240, slow=4.2, SNR=3.5 0.2nm, 0.5s P 11 00 05.0 -0.4

KURB Kurchatov Arr 120.34 314 PKP 11 00 05.0 -0.4

0.8nm, 0.3s, baz=82, slow=1.6, SNR=4.7 0.8nm, 0.3s, baz=82, slow=1.6, SNR=4.7 P 11 00 45.5

FINES FINES Array B 143.53 342 PKNPK 11 00 57.3 -0.5

0.7nm, 0.5s, baz=0.0, slow=4.4, SNR=3.4 0.7nm, 0.5s, baz=0.0, slow=4.4, SNR=3.4 P 11 01 04.9 -0.2

BRTR Keskin Array B 152.38 302 PKPbc 11 01 10.4 -0.4

0.6nm, 0.6s, baz=91, slow=5.2, SNR=9.5 0.6nm, 0.6s P 11 05 05.0 -0.4

IDC 10 10:41:20.5±1.6, 25°44N, 142°04E, h0km, mb3.7/4, az=92.0, Volcano Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: KURB Kurchatov Arr, 54.11 315 P, 10 50 47.5 +0.4

FINES FINES Array B 79.37 334 P 10 53 27.1 -1.0

NOU 10 10:43:24.2, 37.77S, 179.71W, h11km, ML4.2/6, East of North Island, NZ

WEL 10 10:43:39.2±1.1, 38°S, 8°W, h33km, M3.3/14, ML3.6/15, MLv3.3/14, Error ellipse: s-maj=11.4km s-min=7.8km az=40.3, confirmed

ISC 10 10:43:36.0±2.5, 37.92S, 007°17'39"E, 0.1, h26km, n87, c097/91, Off east coast of North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IDC 10 10:43:36.0±2.5, 37.92S, 007°17'39"E, 0.1, h26km, n87, c097/91, Off east coast of North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IDC 10 10:48:13.8±0.9, 36°79N, 141°44E, h0km, mb3.4/5, mbtmp3.6/11, ML3.1/4, Error ellipse: s-maj=23.8km s-min=16.7km az=126.0

NIED 10 10:48:16.8, 36.84N, 141.37E, h44km, MW3.5, Moment Tensor Solution: s3 Moment tensor: Scale 10^14Nm; M1: -1.35; M2: 0.42; M3: 1.78; M4: -0.82; M5: -0.23; M6: -0.23; Fault plane solution: M1: 83000x10^14 NP1: 0.147, 0.0000; 0.50, 0.0000; -1.132, 0.0000; NP2: 0.21, 0.0000; 0.55, 0.0000; -1.52, 0.0000

JMA 10 10:48:16.8±0.2, 36.84N, 141.37E, h44km, 1km, MD3.6/34, M3.6/34, E OFF IBARAKI PREF

JMA Felt J1 at E OFF IBARAKI PREF

ISC 10 10:48:15.2±1.3, 36.84N, 004:141°46E, 0.06, h12km, 10km, n37, c1925/32, mb3.5/3, DN, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like Mitsune, Hachijo jima 2, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like mb4.9/22, Error ellipse, JMA 10 11:40:35.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like SSE, S, Smax, Smin, etc.

BJJ 10 11:40:28.8, 31.73N, 132.37E, h30km, mb4.9/36, mb4.7/71, Ms4.9/74, Ms7.4/872
MOS 10 11:40:31.9, 1.0, 31.73N, 131.64E, h19km, mb4.9/48, INCN MS4.8/7, Error ellipse: s-maj=7.6km s-min=4.2km, az=115.0
NEIC 10 11:40:32.7, 2.0, 31.74N, 131.78E, h10km, h10km, 1km,

Table of flight arrivals from various international destinations including XilinHaoTe, Hong Kong Po S, Xi'an, Baotou, Lanzhou, Chengdu, Ulanbaatar, and Kunming. Columns include flight number, origin, arrival time, and agent.

Table of flight arrivals from regional and domestic destinations including ZAK ZAK, PETROPOLVSK, IRK IRK, PET PET, MOY YAK, GOMU GeErMu, TONI TONI, and various island destinations like WAKE ISLAND. Columns include flight number, origin, arrival time, and agent.

Table of flight arrivals from various international destinations including Kurchatov Arra, KurBB, PMG Port Moresby, TARG TARG, CHKK Chushkaly, and BOOM Boomsokoye ush. Columns include flight number, origin, arrival time, and agent.

10d 11h

2019 MAY

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Table with 14 columns: Station Name, Elevation, Frequency, Power, Azimuth, Azimuth Error, Azimuth Rate, Azimuth Error Rate, Azimuth Rate Error, Azimuth Error Rate Error, Azimuth Rate Error Rate, Azimuth Error Rate Error Rate, Azimuth Rate Error Rate Error Rate, Azimuth Error Rate Error Rate Error Rate. Rows include stations like D17K Noatak River, KBL Kabuli, M15K Kasigluk River, etc.

Table with columns for station name (e.g., YUK6, G31M), frequency (e.g., 62.72, 67.26), and other numerical data.

Table with columns for station name (e.g., GNI, U35K), frequency (e.g., 68.60, 68.97), and other numerical data.

Table with columns for station name (e.g., CLL, SFJD), frequency (e.g., 81.41, 81.56), and other numerical data.

ADC 10 11:42:30.5 1.2 3.90S:134.75E,h0km,mb3.9/4, mbmp4.07,ML4.0/3,Error ellipse: s-maj=32.6km s-min=27.9km az=81.0 DJA 10 11:42:33.8 0.4 4 S6:13.5E, h10km, M4.1/9, m4.2/3, MLV4.1/9 ISC 10 11:42:30.7 0.8 3.85S:0109:134.79E:0.07,h10km, r15, e209:16, mb3.8/4, Irian Jaya region

10d 13h

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, CMAR Chiang Mai Arr, MKAR Makachi Array, KURBB Kurchatov Arr, ILAR Eielson Array.

SDD 10 11:54:31.3, 1.8, 78:13N, 71:45W, h31km, 16km, MD2.6, ML2.3, MW2.6

OSPL 10 11:54:32.7, 1.0, 18:70N, 71:56W, h1km, 999km, ML1.8

ISC 10 11:54:31.7, 1.0, 18:66N, 0:03, 71:31W, 0.05, h25km, 10km, n10, c1516/19, 1C, Dominican Republic region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SDDR Presa de Saban, LODOU EI Espartillar, PODR Polo, ABDR Alto Bandera, LOBH Bahia de las A, DR08 Loma La Naviza, LUDR Luperon.

NEIC 10 12:33:44.9, 0.4, 19:24N, 0:02, 155:40W, 0:02, h42km, 3km, Error ellipse: s-maj=3.7km s-min=1.9km az=133.0

HVO 10 12:33:46.7, 1.2, 19:24N, 0:04, 155:40W, 0:04, h31km, 2km, ML2.6/42, ML2.8/42(NEIC), Error ellipse: s-maj=5.9km s-min=5.0km az=158.0, Hawaiian Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like HTC Hot Caves, HLP Hilina Pali, SDHHI Sand Hill, WHMHI Whimahi, OBL Observatory Le, UWB Uwekahuna Bluf, HPO Honuapo, RSD Rainshead, MLH Mauna Loa, KNHH Kane Nui o Ham, STCH Steam Cracks, MWH Mokuawewewo, NPOC North of Pu'u, JUJZ Jucuzzi, MLOA Mauna Loa Obse, HHMH Humu'ula Sheep, ALEP Alea Permanent, POHA Pohakuloa, CPH Captain Cook, HUH Hualalai, KKH Kailua Kona, HPAH Hawaii Prepara.

IDC 10 12:48:57.1, 7.6, 34:38N, 23:40E, h0km, mb3.8/3, mbmp3.6/5, ML2.8/2, MS3.4/1, Error ellipse: s-maj=137.5km s-min=41.4km az=24.0

2019 MAY

ATH 10 12:49:10.5, 35:05N, 23:54E, h32km, 4km, ML3.0/13, Manual Solution by N.Liadopolou First Location: 2019/05/10 12:50:13, This Location: 2019/05/10 13:30:38 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 10 km; Longitude uncertainty: 7 km

ISC 10 12:49:09.4, 1.4, 35:11N, 0:11, 23:56E, 0:09, h35km, n42, c1571/42, mb3.8/3, Crete

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GVD Gavdhos, CHNB Souda, CHAN Chania, PRMS Primes Rethymm, APE Apeiranthos, TRNK Timbaki Herakl, IDI Anoyia, IACM Heraklion, VLI Velia, MHLO Agia Marina, M SAP3 Santorini-Thir, ZKR Zakros, KRND KRANIDI, ITM Ithomi, VLX Vlachokerasia, APE Apeiranthos, MET4 Agiot Theodor, MET5 Makryvlogos, Me, VLY Voula, Athens, AMT Artemida-Makis, ATHU Athens Univers, KARP Karpathos, LTK Loutraki, DION Dionysos Attik, KARY Karystos, WLR Platees, DR0 Dros, KYMI Kyri, Euboea I, LKR Lokris, ANX Ana Chora, AKAR Agios Charalam, AGG Agios Georgios, LKD Lefkada island, LTH2 Likotatos Trika, IGT Igoumenitsa, NEST Nestorio, BRTR Keskin Array B, GERES GERESS Array B, ARCES ARCESS Array B, MKAR Makanchi Array, MKAR Makanchi Array.

WEL 10 12:53:15.3, 1.2, 33:53N, 11:18, 0E, 2.9, h350km, M4.3/2, mB4.2/2, ML4.3/3, MLv4.3/2, Mw(mB)3.2, Error ellipse: s-maj=39.0km s-min=10.1km az=105.9, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WMGZ Waiomatatini S, HAZ Te Kaha, PKGZ Pakihiroa, PUKZ Puketiti, RUGZ Raukumara Rang, MWZ Matawai, URZ Urewera, RTZ Ruatuhuna, BKZ Black Stump Fm, PNHZ Pukenui, MRZA Mangatainoka R, GRWZ Otaki Gorge, QRZ Quartz Range.

BER 10 12:55:19.9, 3.4, 80:57N, 2:15W, h23km, 22km, mb(Pn)3.2, ML3.2(NAO), Confirmed Earthquake

DNK 10 12:55:19.9, 2.0, 80:63N, 1:85W, h36km, 23km, ML1.8

FCIAR 10 12:55:22.0, 80:53N, 1:03W, h10km, station ZF12 has station magnitude of 3.40 station OMEGA has station magnitude of 3.40

ISC 10 12:55:08.4, 0.8, 79:84N, 0:05, 3:95W, 0:03, h10km, n26, c29/244, Greenland Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like NOR Nord, KBS Kingsbay, KRS Kingsbay, KBRB Barentsburg B, BRBB Barentsburg B, BRBA Barentsburg A, MRBA Barentsburg A, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, DAG Danmarks Havn, DAG Danmarks Havn, HSPB Hornsund (broa), HSPB Hornsund, DBG Daneborg, DBG Daneborg, DBG Daneborg.

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Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like DBG comp=Z,1.6nm,0.5s, HOPEN Hopon, HOPEN Hopon, HOPEN Hopon, ZF12 Zemiya Franca, OMEGA Omega, OMEGA comp=Z,11nm,1.3s, NEEM North Greenlan, NEEM comp=Z,3.6nm,0.7s.

NEIC 10 12:58:56.5, 1.8, 38:37N, 0:01, 118:19W, 0:01, h11km, 5km, Error ellipse: s-maj=2.2km s-min=0.9km az=217.0

REN 10 12:58:56.6, 1.8, 38:358N, 0:009, 118:18W, 0:02, h11km, 6km, ML3.6/17, ML3.4/78(NEIC), Error ellipse: s-maj=2.1km s-min=1.0km az=62.0, California-Nevada border region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like NV11 Mina Array Sit, NV11 comp=N,10um,0.5s, NV08 Mina Array Sit, NVAR Mina Array Bea, NV09 Mina Array Sit, LHV Little Huntoon, RYAN Ryan, RYAN comp=E,5um,0.4s, TVH1 TV Hill, Hawth, TVH1 comp=N,5um,0.3s, BENR Benton, TPH Tonopah, MLCAC Mammoth, Mammo, MZP Montezuma Peak, MCBM Casa Benjum, Q08A Carvers, MDYM Dry Creek, WAKR Walker, WAKR comp=N,646nm,0.7s, DSP Deep Springs, BHPH Bishop, LCH Last Change Ra, LCH Tinemaha, Big, PNTR Pine Nut, PNTR comp=N,751nm,0.6s, PNTR comp=N,500nm,0.7s, KCC Kaiser Creek, GRAC Grapevine Rang, GRAC Grapevine Rang, PAHR Pah Rah Range, SGV South Grapevine, MPK Martis Peak, CMB Columbia Cole, CMB comp=E,234nm,0.2s, PEAR Peavine Mounta, WCT Wildcat Mounta, R11B Troy Canyon, S11A Rachel, TPNV Tappan Spring, TPNV comp=E,267nm,0.6s, NSP Numbull Pass, AFDM Forest Hills D, AMDN Amargosa, MCV Mercury, GWY Greenwater Val, GWY comp=E,234nm,0.7s, PRN Pahroc Range, ORV Oroville, BBGB Big Mountain B, SHPR Sheep Range, GAO San Andreas Ge, GSC Goldstone, ELK Elko, HATC Hat Creek Radi, HATC comp=E,74nm,0.9s, BCW Bitter Crk WRG, O02D Mt. Diablo Mer, WVOR Wild Horse Val, WVOR comp=N,33nm,1.1s, LCMT Little Creek M, KNB Kanab, KNB comp=E,27nm,0.8s, DUG Dugway Trench, MVU Marysville, BGU Big Grassy Mout, W13A Hualapai Mount, VBH Yreka Blue Hor, U15A North Rim, HVU Hansel Valley.

IDC 10 13:03:16.8, 1.8, 21:60N, 143:12E, h304km, 16km, mb3.3/15, mbtmp4.1/18, Error ellipse: s-maj=20.1km s-min=12.8km az=91.0

NEIC 10 13:03:19.1±1.7, 21.68N, 0.08±142.8E, 0.1, h31km, 8km, mb4.0/54, Error ellipse: s-maj=19.2km s-min=11.7km az=80.0

ISC 10 13:03:17.6±0.5, 21.59N, 0.07±142.95E, 0.10, h31km, n86, c088/89, mb3.9/41, Mariana Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations including Chichijima, Guam, Hachijo jima, etc.

Table with columns: YKAW1, Yellowknife Wh, 76.70 28 P, Iamb, P, 13 14 34.9 +0.3, 13 14 35.5. Lists seismic stations including Yellowknife Wh, ARCES ARCESS Array B, etc.

IDD 10 13:33:43.2±3.4, 19.80N, 108.48W, h0km, mb4.0/6, mbtmp3.9/10, ML3.7/4, MS3.7/31, Error ellipse: s-maj=61.0km s-min=48.9km az=46.0

MEX 10 13:33:43.1±0.7, 19.11N, 108.88W, h10km, MD4.3, NEIC 10 13:33:44.1±2.1, 19.90N, 108.38W, 0.02, h10km, 2km, mb4.1/120, Error ellipse: s-maj=16.2km s-min=3.8km az=182.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations including HOGS, CHAM, EMILIANO ZAPAT, etc.

Table with columns: PV13, Radium Mtn., 18.81 0 P, Iamb, P, 13 37 56.6 -3.6, 13 38 06.4. Lists seismic stations including Radium Mtn., Pahroc Range, Paradox Valley, etc.

10d 13h

Table with columns: YKA, YKAW3, N32M, L29M, RAGM, K29M, BCAR, H31M, KDAK, G31M, I28M, I28M, F31M, I31M, INK, H27K, IL31, IL31, ILAR, ILAR, FRB, E29M, G26K, E28M, E28M, E27K, E27K, LPAZ, PPT, RES, MDP, H03N2, H03N1, H03N3, PLCA, DAG, SPITS, TIXI, ARCES, ARCES, NOA, NRIK, KLR, DAVOX, VRANV, KIRV, IDC, ASIES, JMA, TAP, ISC

2019 MAY

Table with columns: WFSB, SX11, N10H, N10H, H21M, TATO, TNOU, TAP, ETM, ETM, LXIB, LXIB, FUSS, FUSS, YVLL, YVLL, YM01, YM01, YM01, YM01, ZUZH, ZUZH, YM08, YM08, YM08, YM08, TWT, TWT, KSHI, KSHI, TWS1, TWS1, TWS1, TWS1, NFF, NFF, ANP, ANP, SHUL, SHUL, SHUL, SHUL, NTST, NTST, CHN5, CHN5, ESL, ESL, NCUH, NCUH, NCUH, NCUH, LIOB, LIOB, LIQB, LIQB, NSIT, NSIT, JYNG, JYNG, JYNG, JYNG, OWD, OWD, WUSB, WUSB, WUSB, WUSB, SBCB, SBCB, SBCB, SBCB, WARB, WARB, HSN, HSN, HSN, HSN, WHP, WHP, WHP, WHP, YOJ, YOJ, YOJ, YOJ, YOJ, YOJ, EGHF, EGHF, WYDT, WYDT, WYDT, WYDT, NMLH, NMLH, NMLH, NMLH, TWQ1, TWQ1, TWQ1, TWQ1, HGSD, HGSD, HGSD, HGSD, SMLT, SMLT, SMLT, SMLT, EHY, EHY, EHY, EHY, EHY, EHY, WJWS, WJWS, WJWS, WJWS, WJWS, WJWS, WNT, WNT, FULB, FULB, ALS, ALS, ALS, ALS, CHNS, CHNS, CHNS, CHNS, CHNS, CHNS, WDLH, WDLH, WDLH, WDLH, ELDTW, ELDTW, IRIF, IRIF, IRIF, IRIF, WCKO, WCKO, EDK, EDK, EDK, EDK, EDH, EDH, WTK, WTK, WTK, WTK, WTK, WTK, CHN4, CHN4, TPUB, TPUB, TPUB, TPUB, STYH, STYH, STYH, STYH, CHY, CHY, CHY, CHY, WTP, WTP, WTP, WTP, LONT, LONT, LONT, LONT, WSF, WSF, WTK, WTK, WTK, WTK, SNST, SNST, CHN1, CHN1, CHN1, CHN1, WSL, WSL, WSL, WSL, TWG, TWG, TWGB, TWGB, TWGB, TWGB, LDUT, LDUT, JKRS, JKRS, JKRS, JKRS, SGST, SGST, ICHU, ICHU, ICHU, ICHU, CHNS, CHNS, CHNS, CHNS, JIU, JIU, JIU, JIU, SCST, SCST, SSS, SSS, JISG, JISG, JISG, JISG, TSCK, TSCK, TSCK, TSCK, MASH, MASH, WVUC, WVUC, PNG, PNG, PNG, PNG, PHUB, PHUB, PHUB, PHUB, WDGJ, WDGJ

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Table with columns: WDGJ, MATB, LYUB, LYUB, PCHM, VCHM, VCHM, XPCS, XPCS, XPCS, XPCS, JMJ, JMJ, MHZO, MHZO, KNM, KNM, KNM, KNM, KNMB, KNMB, AXDP, AXDP, KRSR, KRSR, MKAR, MKAR, ZALV, ZALV, KURBB, KURBB, BVAR, BVAR, FINES, FINES, DJA, DJA, SMPI, SMPI, SMPI, SMPI, GENI, GENI, GENI, GENI, JAY, JAY, JAY, JAY, WAMI, WAMI, SRPI, SRPI, SRPI, SRPI, BAKI, BAKI, BAKI, BAKI, KMPI, KMPI, KMPI, KMPI, FMPI, FMPI, FMPI, FMPI, NEIC, NEIC, REN, REN, NV11, NV11, NV08, NV08, NV09, NV09, NV09, NV09, LHV, LHV, LHV, LHV, RYN, RYN, RYN, RYN, RYN, RYN, TVH1, TVH1, TVH1, TVH1, BNR, BNR, BNR, BNR, TPH, TPH, TPH, TPH, MLCM, MLCM, MLCM, MLCM, MCBM, MCBM, MZP, MZP, MZP, MZP, Q09A, Q09A, Q09A, Q09A, MDVY, MDVY, MDVY, MDVY, WAKR, WAKR, WAKR, WAKR, DSP, DSP, DSP, DSP, DSP, DSP, BHPR, BHPR, LCH, LCH, LCH, LCH, TIN, TIN, PNTR, PNTR, PNTR, PNTR, GRAC, GRAC, GRAC, GRAC, PAHR, PAHR, PAHR, PAHR, SGV, SGV, MPK, MPK, MPK, MPK, WCT, WCT, WCT, WCT, WCT, WCT, R11B, R11B, S11A, S11A, PNTR, PNTR, PNTR, PNTR, AFDM, AFDM, ANSP, ANSP, ANSP, ANSP, PAHY, PAHY, GWY, GWY, GWY, GWY, PRN, PRN, PRN, PRN, Q12A, Q12A, BBGB, BBGB, SHPR, SHPR, SPR3, SPR3, SPR3, SPR3, ELK, ELK, HATO, HATO, GDXM, GDXM, GDXM, GDXM, STR, STR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for France, A215A, OGS8M, ORIF, SSB, etc.

IDC 10 14:05:43.5, 1.23, 93S, 179.76W, h516km, 11km, mb4.0/13, mbtmp, 8.15, Error ellipse: s-maj=15.3km...

NEIC 10 14:05:44.7, 1.24, 0S.0, 179.61W.0/4, h530km, 6km, mb4.6/115, Error ellipse: s-maj=15.1km s-min=4.7km az=187.0

NOU 10 14:05:44.3, 24.200S, 179.46W, h547km, mb4.8/80, South of Fiji Islands

ISC 10 14:05:43.0, 3.24, 00S, 179.65W, 0/06, h512km, n289, 1543/274, mb4.7/106, 1C-1D, South of Fiji Islands

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like RIZ, GLKZ, LKBA, etc.

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like ARPS, Mount Arapiles, INnaminka, etc.

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like GLA, Glamis, OHAK, etc.

10d 14h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like AKASG, BNN, BR131, etc.

UCR 10 14:06:20.6 ± 1.2, 85.55N, 82.68W, h19km, 4km, MW3.6
CATAC 10 14:05:21.4 ± 0.8, 9.24N, 4.8° 3' W, h15km, 2km, ML3.5/7, ML3.5/7, Error ellipse: s-maj=12.6km s-min=4.9km

ISC 10 14:06:20.4 ± 1.2, 85.9N, 0.03S, 82.71W, 0.04, h16km, 9km, n47, <0.95/55, Panama-Costa Rica border region

Main station list for 10d 14h section, including Paso Canoas, Canoa, Volcan, etc.

ISC N 10 14:20:29.8 ± 0.4, 32.81N, 44.32E, h19km, 4km, ML3.3
TEH 10 14:20:41.0, 33°18N, 45°03E, h14km, 10km

ISC 10 14:20:36.7 ± 5.1, 33.11N, 44.6E, 0.3, h10km, n15, r126/15, Iraq

Station list for 10d 14h section, including Baghdad, Badra, Gilan-e-Gharb, etc.

SJA 10 14:39:43.3 ± 1.0, 34.68S, 72°52'W, h68km, ML4.0, MW3.9
GUC 10 14:39:47.1 ± 0.8, 34.82S, 71.74W, h44km, 2km, ML4.0

ISC 10 14:39:44.2 ± 1.3, 34.74S, 0.02° 71.86W, 0.05, h7km, 10km, n40, r119/71, 10C-6D, Near coast of central Chile

Main station list for 10d 14h section, including Hualane, Tunca, Sierra Bellavi, etc.

2019 MAY

Main station list for 2019 MAY section, including Curacao, Las Vizzcachas, Las Melosas, etc.

ISC 10 14:42:07.5 ± 2.9, 13°14N, 143°32'E, h164km, 78km, mb3.1/4, mbtmp3.6/4, MS2.9/1, Error ellipse: s-maj=186km s-min=21.6km az=85.0, South of Mariana Islands

Station list for 2019 MAY section, including Guam, AWA, WRA, ASAR, MKAR, BVAR, etc.

ISC 10 14:53:03.0 ± 0.5, 12°08'S, 165°51'E, h0km, mb4.9/22, mbtmp4.9/25, ML2.6/1, MS4.0/49, Error ellipse: s-maj=18.1km s-min=13.5km az=97.0

MOS 10 14:53:03.2 ± 0.9, 12°06'S, 165°45'E, h10km, mb5.4/39, Error ellipse: s-maj=10.0km s-min=6.8km az=128.9

BUI 10 14:53:04.5, 11°64'S, 165°49'E, h7km, mb5.2/22, mb5.1/75, Ms4.7/11, Ms7.4/4/12

NEIC 10 14:53:05.4 ± 2.0, 12°02'S, 0°05', 165°46'E, 0.09, h10km, 1km, mb5.2/29, Mw5.0/12, Error ellipse: s-maj=16.4km s-min=7.5km az=60.0

NEIC 10 14:53:05.7, 12°09'S, 165°39'E, h12km, NEIC 10 14:53:05.7, 12°09'S, 165°00'E, h12km, Moment Tensor Solution. Duration: 196 Moment tensor: Scale 10^10Nm; Mr=3.53; M1=1.63; Mw=1.90; Ms=1.09; M1=1.83; Mw=1.46; Fault plane solution: M0.000000x10^16 NP1; phi=314.240000, delta=31.590000, lambda=94.880000. NP2: phi=139.970000, delta=58.540000, lambda=-87.010000. Principal axes: T 4.0329, P1g3.0000, Azm228.0000; N -0.0641, P1g3.0000, Azm318.0000; P -3.9688, P1g7.0000, Azm59.0000.

GCMT 10 14:53:08.4 ± 0.2, 12°02'S, 0°05', 165°33'E, 0°01, h12km, Mw5.0/120, Moment Tensor Solution. Duration: 648, phi=612.0187. Duration: 0. Moment tensor: Scale 10^16Nm; Mw=4.16 ± 0.7; M1=1.94 ± 0.7; M2=2.22 ± 0.7; M3=0.82 ± 2.6; Mw=2.02 ± 0.5; Mw=0.43 ± 2.6. Best double couple: M0.230000x10^16 NP1, phi=328.0000, delta=44.0000, lambda=74.00000. NP2, phi=126.0000, delta=848.0000, lambda=105.0000. Principal axes: T 4.1120, P1g2.0000, Azm227.0000; N 0.2350, P1g1.0000, Azm136.0000; P -4.3470, P1g7.0000, Azm325.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NOU 10 14:53:11.0, 12°08'S, 165°31'E, h40km, mb5.1/70, Santa Cruz Islands

Station list for 2019 MAY section, including Paso Flores, Curacao, etc.

514

Main station list for 514 section, including HNR, DZM, PMG, etc.

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like YAK, L17K, M18K, etc.

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like G18K, G19K, M23K, etc.

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like MENT, B18K, D19K, etc.

Table with columns: Station, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like J05D, WHY, E24K, etc.

Table with columns: Station, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like G30M, BELA, E29M, etc.

Table with columns: Station, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like AAA, CHKK, KSH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Res, and other parameters. Includes stations like FDMO, MITCL, etc.

10d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Montelago di S, Sefro, Cessapalombo, etc.

ADC 10 15:12:33.4.3.3, 2.70N, 119.23E, h0km, mb3.9/3, mbtmp4.0/4, ML4.1/1, MS3.8/4, Error ellipse: s-maj=116.3km s-min=56.5km az=76.0, DJA 10 15:12:38.2.0.9, 2.2N, 119.23E, h31km, 1.1km, M4.3/12, mbS2.4, mb4.5/6, MLV4.1/12, Mw(mb)4.5/4, MwMwp4.5/1, hwp4.9

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

ADC 10 15:15:36.6.0.7, 2.771N, 140.06E, h345km, 9km, mb3.2/11, mbtmp4.0/16, Error ellipse: s-maj=25.0km s-min=11.8km az=69.0, JMA 10 15:15:38.6.0.3, 2.8N, 141.1E, h371km, 4km, MV3.9/37, W OFF OGASAWARA

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Chichijima, Haha-jima, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Makanchi Array, Kurchatov Arra, etc.

NEIC 10 15:30:18.7.1.2, 6.698N, 0.05, 170.8W, 0.2, h15km, 7km, Error ellipse: s-maj=9.7km s-min=7.4km az=105.0, AEIC 10 15:30:19.1.1.5, 6.696N, 0.06, 170.8W, 0.2, h25km, 8km, ML3.7, Error ellipse: s-maj=14.2km s-min=6.7km az=111.0, ANF 10 15:30:19.4.0.3, 6.697N, 170.72W, h15km, 0.2/26, Error ellipse: s-maj=4.0km s-min=1.7km az=105.0, IDC 10 15:30:20.3.1.0, 6.683N, 171.15W, h0km, mb3.6/11, mbtmp3.6/13, ML3.4/2, MS3.5/1, Error ellipse: s-maj=38.1km s-min=14.1km az=13.0, NERS 10 15:30:25.6.6, 6.674N, 170.55W, h33km, ISC 10 15:30:21.7.1.4, 6.693N, 0.04, 170.11W, 0.04, h15km, 10km, n193, c1921/220, mb3.7/9, Near north coast of eastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Tin City, Arctic Creek, etc.

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

Table with columns: Call Sign, Frequency, Mode, Power, Status, Location, and other details. Includes stations like F24K Squaw Lake, O14K Tigykaiuiv M, N18K Kilae Creek, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, Location, and other details. Includes stations like GERS GERS Array B, HFS Hagfors, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, Location, and other details. Includes stations like MXZ Matakaoa Point, WMGZ Waioamatatini S, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Status, Location, and other details. Includes stations like TWGZ Tauwharepae, CNGZ Carnagh Statio, etc.

SNET 10 16:04:57.9-0.7, 13:47N:90:23W, h49km, 10km, MLC3.2
CGC 10 16:04:57.3-0.9, 13:48N:90:30W, h41km, 57km, MD4.0
CATA 10 16:05:02.9-1.3, 13:13N:89:09W, h30km, 7km, MZ.8/4,
MLV2.8/4, Error ellipse: s-maj=18.1km s-min=14.9km
az=43.9, confirmed

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, Location, and other details. Includes stations like NUBE Las Nubes, SBL San Blas, etc.

NEIC 10 16:49:30.5-1.2, 29:13N:0:02:97.90W, 0:03, h5km, 1km,
mb_Lg3.0/67, Error ellipse: s-maj=5.2km s-min=2.9km
az=231.0

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, Location, and other details. Includes stations like EF73 North Karnes, EF73 Gillet, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, Location, and other details. Includes stations like EF73 North Karnes, EF73 Gillet, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, Location, and other details. Includes stations like HKT Heckley, HBVL Hebronville, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Status, Location, and other details. Includes stations like FW13 Cleburne, OZNA Ozona, etc.

ISK 10 16:53:11.7, 39:00N:26:03E, h6km, MLC3.1/20
AFAD 10 16:53:12.7, 39:03N:26:10E, h11km, 6km, MW3.2
ATH 10 16:53:12.2, 38:98N:26:06E, h11km, 3km, MLC2.7/18,
Manual Solution by N.Liadopoulos First location:
2019/05/10 16:54:31, This location: 2019/05/10 17:17:18
ML Amplitudes are expressed in micrometers, All
X34A Distances are expressed in degrees Latitude uncertainty: 2
km; Longitude uncertainty: 3 km

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, Location, and other details. Includes stations like SIGR SIGRI, SIGR SIGRI, etc.

ISK 10 16:53:12.2-0.9, 39:00N:02:06:02E, 0:02, h14km, 7km,
n72, c070/104, Aegean Sea

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, Location, and other details. Includes stations like EAG2 Marmaro, GPNR Gulpinar-Canak, etc.

ISK 10 16:53:12.2-0.9, 39:00N:02:06:02E, 0:02, h14km, 7km,
n72, c070/104, Aegean Sea

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, Location, and other details. Includes stations like ZEVE ZEVE, ZEVE ZEVE, etc.

ISK 10 16:53:12.2-0.9, 39:00N:02:06:02E, 0:02, h14km, 7km,
n72, c070/104, Aegean Sea

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, Location, and other details. Includes stations like BUHA Balikesir, BUHA Balikesir, etc.

10d 17h

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like GOAD anakkale-G, SKY Skiros Island, GADA Gvkegada, etc.

2019 MAY

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like CPBX Cerro Prieto, ESJX Sierra Juarez, ESJX Sierra Juarez, etc.

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Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like ANMO Mesa Verde, MVCO Mina Array Be, NVAR Mina Array Be, etc.

IDC 10 17:05:42.8, 1.7, 31.04N, 114:83W, h0km, mb3.6/2, mtbpm3.4/10, ML3.4/8, MS3.4/15, Error ellipse: s-maj=26.5km s-min=10.4km az=39.0

NEIC 10 17:05:43.7, 0.9, 31.53N, 02:114:47W, 0.05, h10km, 2km, mb4.1/9, ML4.1/76, ML4.1/28(PAS), Error ellipse: s-maj=7.3km s-min=3.1km az=104.0

PAS 10 17:05:46.0, 4.4, 31.47N, 03:114:46W, 0.03, h21km, 8km, Error ellipse: s-maj=4.4km s-min=3.5km az=205.0

ECX 10 17:05:46.3, 0.5, 31.49N, 114:49W, h15km, 5km, ML4.2 MEX 10 17:05:47.1, 0.3, 31.40N, 114:57W, h10km, MD4.3

ISC 10 17:05:45.0, 1.2, 31.42N, 03:114:51W, 0.02, h2km, 9km, n157, a216/167, MS3.5/10, 10C-5D, Gulf of California

NEIC 10 17:21:09.6, 1.3, 31.55N, 03:114:52W, 0.04, h10km, 2km, ML3.5/40, ML3.4/94(PAS), Error ellipse: s-maj=5.9km s-min=4.1km az=287.0

PAS 10 17:21:10.5, 2.4, 31.52N, 02:114:50W, 0.04, h6km, 2km, Error ellipse: s-maj=5.4km s-min=3.4km az=114.0

MEX 10 17:21:11.1, 0.1, 31.45N, 114:62W, h10km, MD4.2 ECX 10 17:21:11.7, 0.5, 31.46N, 114:50W, h14km, 5km, ML3.7

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, and various signal strength indicators (e.g., P, I, A, S, N, R, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z).

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, and various signal strength indicators. Includes sub-headers like 'PHILIPPINE ISLANDS REGION' and 'INDONESIA'.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, and various signal strength indicators. Includes sub-headers like 'HOKKAIDO REGION' and 'INDONESIA'.

10d 22h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VNA3 Neumayer Olymp, SNA3 Sanae, LPAZ La Paz, etc.

NOU 10 21:26:23.4, 37°54'S-177°44'E, h168km, MLV3.5/11, Off E. Coast of N. Island, N.122.1

WEL 10 21:26:28.0, 9.37°S-151°17'E, h117km, 9km, M3.0/32, MLN3/25, MLV3.0/32, Error ellipse: s-maj=7.4km

ISC 10 21:26:23.0-1.9, 37.535S-106.17728E, 0.07, h172km, 10km, n132, of 187/139, Off east coast of North Island

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations like WHRZ Whale Island, HAZ Te Kaha, RUGZ Raukumara Rang, etc.

2019 MAY

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MRNZ Matariki Terra, THZ Topohue, KHZ Kahutara, etc.

TRN 10 21:29:30.4, 9°94'N; 61°50'W, h50km, MD3.8, South of Trinidad, near Venezuela.

FUNJ 10 21:29:37.5, 10°17'N-61°69'W, h36km, MW3.7, ISC 10 21:29:28.7-2.3, 9.84N-01°61.4W, 0.1, h48km, n14, of 2570/29, Near coast of Venezuela

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TBH Brigand Hill, TRN Trinidad (W), GRFF Grenada Fort F, etc.

RSNC 10 21:40:52.7-0.7, 7°1'N-73°3'W, h147km, 2km, M3.0, mb3.6, ML2.7, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BARC Barichara, BRUC Barrancabermej, PAMC Pamplona, Colo, etc.

WEL 10 21:41:28.3-1.0, 35°S-177°9'E-15, h12km, M3.7/12, ML3.9/13, MLV3.7/11, Error ellipse: s-maj=19km, s-min=7.5km, az=103.0, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WMGZ Waiomatitani S, WMGZ Waiomatitani S, HAZ Te Kaha, etc.

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

TRN 10 21:57:42.6, 14.04N-59°10'W, h29km, MD3.9, North-west of Barbados, Windward Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBGH Gun Hill, SLAC Saint Lucia, A, etc.

NEIC 10 22:03:01.6-1.2, 19°51'N-0°03'156W, 0.06, h34km, 7km, Error ellipse: s-maj=9.0km s-min=4.4km az=83.0

HVO 10 22:03:02.1-1.2, 19.49N-0°03'156W, 0.06, h33km, 7km, ML2.6/11, ML2.5/26(NEIC), Error ellipse: s-maj=8.9km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KKH Kailua Kona, KKH Kailua Kona, HUH Hualalai, etc.

IDC 10 22:05:10.6-2.6, 7°21'N, 126°53'E, h175km, 11km, mb3.8/9, mbmp4.2/9, Error ellipse: s-maj=58.0km s-min=43.8km

DJA 10 22:05:10.5-0.6, 7°N-4°12'6E, h185km, 5km, M4.5/10, mb4.4/10, mb5.2/4.9, Mw(mbV4.6/4.6, MwMwp5.4/1, MwP5.6/1)

NEIC 10 22:05:10.4-0.9, 7°21'N-0°2'126E, 0.1, h171km, 7km, mb4.4/13, Error ellipse: s-maj=25.1km s-min=14.9km

ISC 10 22:05:10.2-0.7, 7°20'N-0°07'126E, 0.1, h171km, n33, of 6586/36, mb4.4/16, MINDANO

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DAV Davao City (W), DAV Davao City (W), DAV Davao City (W), etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Kurchatov Arra, Garro Borovoye Array, BRVK Borovoye, AB31 Akbulak array, etc.

IDC 10 22:11:16.6±2.3, 13.937N-144.31E, h123km±17km, mb3.1/3, mbtmp3.5/3, Error ellipse: s-maj=189.7km s-min=26.1km az=109.0, Mariana Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, H1131 WAKE ISLAND Hy 21.49 75 T, H11S1 WAKE ISLAND Hy 21.49 75 T, etc.

IDC 10 22:28:03.1±12.0, 3.09Sx152.58E, h313km±116km, mb3.4/5, mbtmp4.0/5, Error ellipse: s-maj=64.1km s-min=34.6km az=93.0, New Ireland region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr 24.5 225 P, ASAR Alice Springs 27.29 220 P, VDA Vanda 74.54 178 P, etc.

GCG 10 22:36:52.2±3.4, 16.32N-95.16W, h70km±213km, MD4.2 MEX 10 22:36:54.0±0.7, 16.25N-95.08W, h69km±6km, MD4.2

ISC 10 22:36:52.0±1.2, 16.28N±0.04, 95.06W±0.02, h71km±11km, n42, c1578/79, Oaxaca

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NILT Santiago Nilte, CMIG Matias Romero, HUIG Huatulco, UXUV Uxuv, PANG Puerto Angel, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SCIG Sabancuy, SCIG Yautepac, YAGI Yautepac, MEIG Mezcala, etc.

IDC 10 22:56:46.3±1.8, 24.47Sx179.70E, h509km±16km, mb3.3/7, mbtmp4.3/10, Error ellipse: s-maj=24.3km s-min=17.7km az=104.0

NEIC 10 22:56:47.2±1.4, 24.6S±0.1x179.8E±0.2, h518km±10km, mb4.5/20, Error ellipse: s-maj=25.8km s-min=11.5km az=63.0

ISC 10 22:56:46.4±0.8, 24.51S±0.07, 179.8E±0.1, h517km±11km, c136/111, mb4.29, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GLKZ Green Lake, MSVF Nonsauv, MSVF Nonsauv, PINNC Pines Island, etc.

MRZ Mangatainok R 16.49 191 P, MRZ Mangatainok R 16.49 191 P, MRZ Mangatainok R 16.49 191 P, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MJAR Matushiro Arr, KRSR Korea Array, ARCS ARCESS Array B, etc.

CRNET 10 23:00:28.7±0.1, 40.91N±72.91E, h27km, mb4.1 ISU 10 23:00:29.4±0.1, 40.87N±72.98E, h29km

NINC 10 23:00:29.9±1.0, 40.96N±72.97E, h0km, mb4.5, mpv4.2, Error ellipse: s-maj=8.4km s-min=4.1km az=0.0

SOME 10 23:00:30.2±1.4, 05N±72.87E, h5km KNET 10 23:00:31.4±0.5, 41.00N±73.04E, h21km±3km, ml3.6, Error ellipse: s-maj=7.6km s-min=3.0km az=103.0

IDC 10 23:00:37.4±2.9, 41.15N±74.15E, h123km±116km, mb3.5/1, mbtmp3.4/5, ML2.8/4, MS2.7/2, Error ellipse: s-maj=34.3km s-min=22.6km az=170.0

ISC 10 23:00:29.3±0.9, 40.94N±72.95E±0.02, h15km±8km, n90, c206/141, 47C-28D, Kyrgyzstan

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

10d 23h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various stations like KDJ, MTBS, IZV, TNSS, etc. with their respective coordinates and parameters.

2019 MAY

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations under 'MINDANAO' and 'MINDANAO' with various station names like DAVAO CITY, TAGAYtay CITY, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like K27K, I28M, H29M, etc. with their respective coordinates and parameters.

IDC 10 23:27:25.6:1.0, 67.76N:20.85E, h0km, mbtmp2.9/3, ML2.0/3, Error ellipse: s-maj=17.1km s-min=6.0km az=121.0

UPP 10 23:27:25.1:0.0, 67.83N:20.24E, h0km, ML2.2, Unknown ISC 10 23:27:24.3:0.9, 67.87N:0.03:20.35E:0.04, h16km, 5km, n13, c15/12, Sweden

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like KUA, RATU, SATY, etc. with their respective coordinates and parameters.

MOS 10 23:52:44.2:1.0, 60.36N:151.14W, h68km, mb4.6/34, Error ellipse: s-maj=12.0km s-min=5.4km az=90.8

NEIC 10 23:52:45.9:1.3, 60.29N:0.03:150.92W:0.05, h57km, 4km, Error ellipse: s-maj=4.0km s-min=3.4km az=157.0

Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mn:0.2; Mw:2.83; Mxx:0.93; Myy:4.02; Mzz:2.43; Fault plane solution: Ms:5.56000x10^15 NP; P: 162.52000; S: 389.20000; T: -152.15000; NIP: 67.2 10000; 862 16000; -1.0 90000; Principal axes: T 5.4842, Plg19.0000; Azm294.0000; N 0.1396, Plg62.0000; Azm164.0000; P -5.6238, Plg20.0000; Azm31.0000;

IDC 10 23:52:45.1:0.8, 60.45N:151.25W, h58km, 8km, mb3.9/26, mbtmp4.2/31, MS3.2/17 Error ellipse: s-maj=12.1km s-min=11.9km az=97.0

ANF 10 23:52:45.4:0.1, 60.26N:150.91W, h52km, 3km, ML4.6/98, Error ellipse: s-maj=1.0km s-min=0.8km az=165.0

AEIC 10 23:52:45.9:1.3, 60.28N:0.03:150.93W:0.05, h51km, 5km, ML4.2, mb4.5/135(NEIC), ML4.4/214(NEIC), Mw:4.1115(NEIC), Error ellipse: s-maj=3.9km s-min=3.4km az=151.0

NEIC 10 23:52:45.9:0.28N:150.93W, h51km ISC 10 23:52:45.1:0.4, 60.30N:0.03:150.94W:0.02, h59km, 4km, h58km; PP-P, n678, c1502/689, mb4.4/123, MS3.3/14, 8C-12D, Kenai Peninsula

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like SKLM, CAPN, BRLE, etc. with their respective coordinates and parameters.

Table with multiple columns containing station identifiers (e.g., ILAR, I23K, I21K), coordinates, and various numerical values and status indicators (e.g., P, Pn, I, S, Sn, LR, Iamb, Pmax).

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like F07A, RES, BLKN, MSO, YBH, PLID, KHMM, SEY, FFC, MFID, BOZ, FCC, PETK, PAHR, ILON, LOHW, WAKR, HVU, RYN, NVAR, NV11, PD31, PDAR, PDAR, PDAR, PDAR, TPH, DSP, R11B, PSUT, TXI, ULM, TPNV, TPNV, TPNV, JRC2, ISA, ISA, GWP, P18A, MVU, Q16A, SRU, SRU, KNB, KNB, V12A, PV23, PV04, PV20, PV16, U15A, PV17, PV11, PV18, PV03, PV05.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like PV13, EYMN, YAK, TBO, FRB, ANMO, G40A, SUMG, KUQ, L40A, E46A, SFJD, SPITS, WMOK, ZEA, ZEA, VHRN, VLDQ, VLDQ, SCHO, U38A, U38A, KLR, SADO, NRK, NRK, NRK, TX31, TXAR, TXAR, O48B, O48B, SCO, SCO, SCO, FW16, DELO, DELO, TRQ, M52A, MEDO, WYNY, ICQ, MMNY, NS3A, NS3A, LMQ, LMQ, Q51A, Q51A, SSFO, FRNY, FRNY, L56A, P53A, P53A, USRK, USRK, T50A, D62A, S51A, S51A, M57A, SSFA, PKME, I62A, Z47A, P57A, JSD, FPAL, FPAL, I63A, TKL, TKL, TKL, BATG, F64A, PKME, I62A, Z47A, P57A, JSD, FPAL, FPAL, I63A, TKL, TKL, TKL, BORG, ARCES, ULN, ULN.

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like SONM, ZALV, NB2, NOA, FINES, KLMM, KLMM, KLMM, HFS, ARTI, ARTI, ARTI, ARTI, ARTI, ARTI, VSU, VSU, EKA, BRVK, BRVK, BRVK, BVAR, KURK, KURK, KURB, OBN, OBN, OBN, OBN, OBN, MKAR, GAT, GAT, GAT, MTK, MTK, MTK, MTK, MTK, BELG, BELG, ABKAR, CLL, CLL, CLL, AKASG, AKASG, AKASG, AKBB, AKBB, AKBB, KIEV, KIEV, KIEV, KIEV, GERES, AAK, AAK, KKAR, KKAR, CONA, LESA, SQT, RONA, WTTA, SFG, KBA, BUR08, SOKA, OBKA, KBZ, KBZ, NCK, NCK, ESDC, ALN, BR13, BRTR, BRTR, KEST, KEST, KEST, CMAR, BOS, BOS, QSPA.

10d 23h

Table with columns: ID, Name, Date, Time, P, I, A, M, B, S, SS, M, LR, and numerical values. Includes entries like G21K Allakaket, F21K Alaina River, R18K Karluk, etc.

2019 MAY

Table with columns: ID, Name, Date, Time, P, I, A, M, B, S, SS, M, LR, and numerical values. Includes entries like E24K Your Creek, NEA2 Nenana, RC01 Rabbit Creek A, etc.

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Table with columns: ID, Name, Date, Time, P, I, A, M, B, S, SS, M, LR, and numerical values. Includes entries like L26K Log Cabin Wild, H27K Steamboat Moun, KAIM Kayak Island, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like Oroville, GO Pecny, PLID, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like DAVA, ISA, AHID, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like WUAZ, PPT, PPT2, etc.

ISK 11 00:19:32.7, 39°54'N, 26°01'E, h11km, ML2,7/15
AFAD 11 00:19:33.3, 39°56'N, 26°06'E, h12km, 2km, ML2,4
ATH 11 00:19:34.3, 39°52'N, 25°99'E, h33km, 5km, ML2,3/5

Table with columns: Code, Station, Frequency, Mode, Power, and other technical details. Includes stations like KOCA, GPNR, etc.

Table with columns for station code (KU, ARL), name, frequency, and coordinates. Includes stations like KU Kurly, KU Kurly, ARL Aral, etc.

11d 1h 00:48:50.5-0.6, 29.91N; 142.27E, h0km, mb4.0/25, mbmp4.0/29, ML3.6/5, MS3.6/12, Error ellipse: s-maj=18.3km s-min=12.9km az=77.0

MOS 11 00:48:51.7-1.0, 29.93N; 142.28E, h18km, mb4.6/20, Error ellipse: s-maj=15.3km s-min=6.3km az=116.2

NEIC 11 00:48:52.2-1.6, 29.98N; 0.06:142.5E:0.1, h10km, 1km, mb4.5/19, Error ellipse: s-maj=20.3km s-min=10.2km az=77.0

NIED 11 00:48:53.0-0.2, 29.96N; 142.33E, h50km, MW4.3, Moment Tensor Solution... s3 Moment tensor: Scale 1015Nm; Mw=1.61; Mw-1.48; Mw2.02; Mw-1.11; Mw-1.51;

JMA 11 00:48:53.0-0.3, 30.1N; 141.2E, h50km, MV4.1/28, NEAR TORISHIMA IS

ISC 11 00:48:56.1-0.5, 29.96N; 0.05:142.28E:0.08, h35km, n116, o1560/112, mb4.3/43, MS3.8/11, 10C-7D, Southeast of Honshu

Main table for station codes (CBJ, JCJ, JCH, JHJ, JMY, etc.) with columns for Code, Station Name, Delta, Azimuth, Phase ID, Time, and Residuals.

Main table for station codes (WRA, KUR, KURB, etc.) with columns for Code, Station Name, Frequency, Azimuth, Phase ID, Time, and Residuals.

Main table for station codes (VRAC, TXAR, QSPA, etc.) with columns for Code, Station Name, Frequency, Azimuth, Phase ID, Time, and Residuals.

KRNET 11 01:09:01.6-0.1, 41.91N; 78.51E, h14km, mb2.4 SOME 11 01:09:01.4, 41.92N; 78.52E, h10km

ISC 11 01:09:03.0-1.1, 41.98N; 0.04:78.49E:0.03, h0km, n36, o1508/62, 6C-12D, Kyrgyzstan-Xinjiang border region

TAP 11 01:12:42.9, 24.24N; 122.26E, h39km, ML4.0, C ASIES 11 01:12:42.9, 24.24N; 122.26E, h39km, ML4.0, Mw3.4,

Moment Tensor Solution. Moment tensor: Scale 1020Nm; Mw=1.9; Mw0-0.9; Mw0-9.14; Mw0-8.49; Mw0-4.92; Mw0-8.65;

Fault plane solution: Mo15.71460x1020 NP1: 61.78.1200; 823.9700; 1.49.6000; NP2: 61.0800; 837.9700; 1.10.0800; Principal axes: T P1g5.8700; Azm33.0430; N P1g15.2660; Azm215.9910; P P1g25.3000; Azm18.5780;

JMA 11 01:12:42.5, 0.1, 24.1N; 0.6:122.3E:0.2, h41km, 1km, MV3.4/15, TAIWAN REGION

ISC 11 01:12:43.0-1.0, 24.19N; 0.02:122.29E:0.04, h34km, 2km, n161, o128/307, 7D, Taiwan region

Main table for station codes (Code, Station Name, Delta, Azimuth, Phase ID, Time, Residuals) for the 2019 May 11 event.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include stations like EOS4, EOH4, EOH3, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include stations like SBCB, Yuchr, FullB, FullC, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include stations like TMTI, TMTA, TMTB, etc.

NEIC 11 01:25:15.1±0.6, 2.3N, 128.26E±0.09, h156km, 12km, mb4.2/9, Error ellipse: s-maj=25.9km s-min=10.4km az=198.0

NEIC 11 01:30:24.0±0.7, 2.2S, 122.74E±0.07, h102km, 1km, mb4.6/10, Error ellipse: s-maj=12.7km s-min=7.0km az=272.0

CATAC 11 03:19:52.0, 0.3, 13°N, 2°9'1W, h10km, M4.2/37, mb4.1, MLV4.2/37, Error ellipse: s-maj=4.6km s-min=2.4km az=32.3, confirmed GCG 11 03:19:53.9, 2.9, 13°51'N, 91°00'W, h45km, 5.7km, MD4.5, MW3.6

SNET 11 03:19:54.8, 1.9, 13°50'N, 90°91'W, h36km, ML4.0 IDC 11 03:20:00.7, 3.7, 14°15'N, 90°14'W, h80km, 3.8km, mb3.3/2, mbtmp3.6/5, MS3.4/2, Error ellipse: s-maj=91.4km s-min=21.6km az=40.0

ISC 03:19:53.9, 1.6, 13.439N, 0.06, 90.92W, 0.04, h26km, 11km, n88, e34/108, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like SAN Jos, E, FGA Yecopaca, Chim, etc.

IDC 11 03:51:41.8, 2.4, 6.80S, 129.67E, h0km, mb3.6/1, mbtmp3.7/4, ML3.8/3, MS3.4/2, Error ellipse: s-maj=89.5km s-min=30.2km az=76.0, Banda Sea

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

comp=Z.36nm, 21.0s, baz=82, slow=37 MKAR Makanchi Array 67.88 327 P P 04 02 42.1 0.0 0.2nm, 0.3s, baz=143, slow=7.1, SNR=2.4 0.2nm, 0.3s AAK Ala-Ara 70.18 320 LR LR 04 38 14.5 0.2nm, 0.3s, baz=160, slow=40

IDC 11 04:19:15.0, 4.2, 6°23'S, 129°08'E, h290km, 76km, mb3.5/1, mbtmp4.3/4, Error ellipse: s-maj=83.4km s-min=38.7km az=106.0

ISC 04:19:10.8, 1.1, 6.08S, 0.09, 128.9E, 0.1, h264km, n13, e28/716, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like FAKI Fak Fak, FITZ Filtroy Crossi, WRA Warramunga Arr, etc.

ISN 11 04:19:11.1, 1.6, 34°38'N, 45°64'E, h12km, 15km, ML2.7 TEH 11 04:19:11.4, 34°38'N, 45°64'E, h10km, 120km

ISC 11 04:19:11.2, 1.2, 34°38'N, 0.06, 45.62E, h14km, 11km, n9, e06/64, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like KGSJ Ghasr-e-Shirin, GLGI Gilan-e-Gharb, IDHR Dehrash, etc.

SNET 11 04:23:02.4, 0.8, 13°40'N, 90°17'W, h57km, 14km, ML3.3 CATAC 11 04:23:02.6, 0.6, 13°N, 4°9'0W, h32km, 5km, M3.1/13, mbV3.1/13, Error ellipse: s-maj=9.2km s-min=8.0km

GCG 11 04:23:03.8, 0.8, 14°00'N, 89°85'W, h78km, 10km, MD3.9 ISC 11 04:23:04.2, 3.3, 13°41'N, 0.1, 90°17'W, 0.09, h51km, 23km, n46, e06/54/9, Near coast of Guatemala

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

comp=Z.1um, 0.3s CEVE Cerro Verde 0.68 52 P Pn 04 23 17.0 -0.1

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

RSNC 11 04:27:45.0, 0.7, N1°7'33'W, h148km, 2km, M3.4, mB4.7, mb3.8, ML3.0, MLV3.8, Mw(mb)3.9, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like BARC Barrichara, BRJC Barrancabermej, PAMC Pamplona, Colo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like UREC San Jos de Ur, GUY2C Guyana, Caidas, PUERTO Gaitan, etc.

IDC 11 04:31:56.3, 4.4, 2.872S, 176°16'W, h0km, mb3.6/2, mbtmp3.7/3, ML3.4/1, Error ellipse: s-maj=91.2km s-min=61.1km az=103.0, Kermadec Islands region

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

GCG 11 04:50:27.7, 1.0, 14°11'N, 90°96'W, h54km, 4km, MD3.7, MW2.9

CATAC 11 04:50:28.5, 0.7, 14°N, 7°9'1W, h28km, 5km, M3.2/12, MLV3.2/12, Error ellipse: s-maj=15.4km s-min=3.4km

SNET 11 04:50:30.3, 2.3, 14°01'N, 90°88'W, h55km, ML3.1 ISC 11 04:50:26.3, 1.4, 13°30'N, 0.06, 90.97W, 0.04, h9km, 10km, n30, e175/41, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like ESSG Sabana Grande, ESSG Yecopaca, Chim, ESSJ San Jos, E, etc.

KRSC 11 04:57:07.1, 4.5, 4°54'N, 165°71'E, h32km, 14km, MI3.6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like BKI Bering, KBTR Krytobergovo, MKZ Mys Kozlova, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like KRX Arik, KOK Koryaka, GNL Ganaly, etc.

IDC 11 04:59:24.2-1.3, 63.08N-150.33W, h106km, 20km, mb3.6/5, mbmp4.0/9, MS3.2/3, Error ellipse: s-maj=32.3km, s-min=10.5km az=113.0

AEIC 11 04:59:26.9-1.3, 63.19N-0.03-150.36W, 0.05, h106km, 5km, ML3.3, ML3.4/252(NEIC), Error ellipse: s-maj=5.4km s-min=2.2km az=155.0

NEIC 11 04:59:26.3-0.8, 63.17N-0.04-150.37W, 0.07, h115km, 6km, Error ellipse: s-maj=5.2km s-min=4.1km az=202.0

ISC 11 04:59:25.8-0.8, 63.16N-0.03-150.38W, 0.03, h119km, 6km, n211, 0681/177, mb3.9/5, Central Alaska

Main station list table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like TRF Thorofare Moun, KTH Kantishna Hill, RND Reindeer, etc.

Main station list table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like PAX Paxson, M19K Big River Lodg, L19K White Mountain, etc.

Main station list table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like N17K Nushagak Hills, CROM Cirque, BGRG Berg Lake, etc.

IDC 11 05:04:19.2-0.6, 21.81S-169.06E, h0km, mb4.5/18, mbmp4.6/20, ML4.9/2, MS4.0/23, Error ellipse: s-maj=18.1km s-min=16.3km az=71.0

BGR 11 05:04:23.0, 21.74S-170.34E, h33km, Ms4.2, h28km, MW5.0/73, Moment Tensor Solution, s29.c32, s73.c91

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PINNC Pines Island, DZM Mont Dzumac, ONTNC Queen Toro, etc.

Table with columns: NJ2, Nanjing, 71.86 317, eP, pmax, 05 15 46.0 +2.2. Includes stations like PSI Prapat, URSU Urrisuryk Ar, SHERK Shemya Is, etc.

Table with columns: BRG, Berggiesshubel, 145.00 332, ePKPb, PKPdf, 05 23 57.7 -0.1. Includes stations like CLL Collim, CLC Collim, KRUC Moravsky, etc.

DJA 11 05:09:02.4, 1.4, 7.5, S:6.12, 4E, h647km, 19km, M4,0/16, mb4.5/4, mb4.2/7, MLV4.1/16, Mw(m)3.7/4

IDC 11 05:09:05.9, 0.9, 7.0, 9, 7.0, 9, 123.55E, h605km, 12km, mb3.2/9, mbmp4.2/13, Error ellipse: s-maj=31.3km s-min=10.5km

NEIC 11 05:09:05.7, 1.4, 7.0, S:0.2, 123.7E, 0.2, h597km, 11km, mb4.1/12, Error ellipse: s-maj=35.7km s-min=7.2km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MMRI Maumere, EDIE Ende, SOEI Soe, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CTZ Chatham Island, GVZ Greta Valley S, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KBZ Khabaz, FIA1 FINESS Array B, FINES FINESS Array B, etc.

NOU 11 05:23:03.9,29:38S:177.44W,h408km,mb4.9/15, Kermadec Islands, New Zealand

NEIC 11 05:23:25.1,0.30:35S:0.1x179.9W:0.2,h367km,6km, mb4.5/27, Error ellipse: s-maj=21.2km s-min=15.1km

IDC 11 05:23:23.4,1.7,30:22S:179.69W,h370km,15km, mb3.7/13,mbmp4.3/14, Error ellipse: s-maj=16.6km s-min=12.2km az=90.0

ISC 11 05:23:21.7,0.4,30:36S:0.05:179.83W:0.08,h350km, n177.0,166,mb4.5,1,4C-1D, Kermadec Islands, region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GLKZ Green Lake, RIZ Raoul Island, MXZ Matakaoa Point, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BELA Belgrano 2, MAW Mawson, ELIB Princess Elisabeth, etc.

CATAC 11 05:34:35.0,0.5,13°N,3°9'0W, h9km,2km, M3,9/30, Mlv3,9/30, Error ellipse: s-maj=5.6km s-min=3.7km az=90.0, confirmed

GCG 11 05:34:35.1,0.8,13°13'N:90°12'W,h24km,7km,MD4.3

SNET 11 05:34:36.6,2.2,13°11'N:89°59'W,h20km,ML3.9

ISC 11 05:34:37.1,6,13.05N:0.05:89.87W:0.05,h5km,10km, n69,0:8349.7, El Salvador

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LALI Alcalda de L, LALI Alcalda de L, JAYA Jayaque - finc, etc.

Table with columns: ID, Name, Azimuth, Elevation, Type, Status, Time, Residual. Includes stations like WAKE ISLAND, Alice Springs, Petropavlovsk, Elision Array, ILAR.

CATAC 11 06:32:06.153,0.29°N,26°11'22W,2'2,h90km,55km, Mag=5.8,mb5.5,4,mb6,1/5,MLV5.3, Mw(mb)5.9, Error ellipse: s-maj=32.5km s-min=38.8km az=146.4, confirmed

NEIC 11 06:32:40.9,1.31°S,21°04'11.45W,0.04,h10km,2km, ML3.5/34,ML3.5/90(PAS), Error ellipse: s-maj=8.0km s-min=5.1km az=141.0

PAS 11 06:32:41.3,2.1,31°47'N,0°05'11.4,43W,0.05,h23km,8km, Error ellipse: s-maj=8.7km s-min=4.6km az=142.0

ECX 11 06:32:44.3,0.3,31°52'N,114°68'W,h20km,5km,ML3.9

ISC 11 06:32:42.3,1.1,31°44'N,0°03'11.45W,0.04,h22km,7km, n74,+i938/78,1C-5D, Gulf of California

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Type, Status, Time, Residual. Includes stations like San Felipe, Rio Hardy, Guadalupe Vict, Sierra Juarez, etc.

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Type, Status, Time, Residual. Includes stations like Paradox Valley, Bozcaada, Kocacanakalle, etc.

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Type, Status, Time, Residual. Includes stations like LEPH, LBTB, WDLM, LPHEP, PRYS, MREM, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Petropavlovsk, Kuskokwiv, and various Alaska locations.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Kuskokwiv, Sitka, Kodiak, and various Alaska locations.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Anaktuvuk Pass, Cape Sabine, and various Alaska locations.

11d 8h

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like Babbage River, Milner Creek, Beaver Creek, etc.

2019 MAY

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like Fort Churchill, Borovoye Array, Summit, etc.

546

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like Misakicho, Rausu, Nemuroshibetsu, etc.

MOS 11 07:42:28.9-1.2, 43:70N, 147:44E, h59km, mb4.5/1, Error ellipse: s-maj=14.5km s-min=12.7km az=132.1 SKHL 07:42:30.1-0.4, 43:70N, 147:50E, h57km, mb4.9/4 JMA 11 07:42:30.5-0.3, 43:71N, 147:47E, h20km, MV4.0/28, E OFF HOKKAIDO

IDC 11 07:53:50.0-2.8, 20:73S, 176:89W, h0km, mb4.0/4, mbtmp0.4/4, Error ellipse: s-maj=73.4km s-min=46.1km az=24.0, Fiji Islands region

ISC 11 07:42:30.0-1.3, 43:71N, 147:49E, h43km, 12km, n45, r111/57, mb3.5/8, 2C-2D, Kuril Islands

IDC 11 08:14:18.8-1.4, 33:24N, 81:33E, h0km, mb3.7/3, mbtmp3.5/4, ML2.6/1, MS3.8/2, Error ellipse: s-maj=65.7km s-min=29.6km az=40.0, Xizang

Table with columns: Code, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like Shikotan, Nemuro, Golovnino, etc.

Table with columns: Code, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like Kurchatov Arra, Chiang Mai Arr, Prapat, etc.

11d 10h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like NGCH, KHGB, ZRDN, etc.

TAP 11 09:41:37.9, 24.58N, 122.90E, h102km, ML2.5, D
JMA 11 09:41:38.0, 3.24'N, 122.9E, h100km, 2km,
MV1.4/10, NW OFF ISHIGAKIJIMA IS

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like JYNG, YOY, YUJ, etc.

2009 MAY

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like WHYT, Xinyi Township, WHYT, etc.

548

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various station identifiers. Includes stations like POC, Popayan, Colom, etc.

11d 10h

Table with columns for station call letters, frequency, and signal strength. Includes stations like SMRA, ITEG, CHBY, KULU, GAZI, AFRZ, TRNA, etc.

2019 MAY

Table with columns for station call letters, frequency, and signal strength. Includes stations like HRT, SIMA, SOHO, SOHO, YLV, SILT, KULA, etc.

550

Table with columns for station call letters, frequency, and signal strength. Includes stations like MILM, Milestii Mici, MILM, MILM, MILM, etc.

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

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like AML, EK2S, KECS, KECS, KECS, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like SGRT, SGRT, TKM2, NRN, NRN, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like Dobruska-Polom, Trest, Norcia, Saty, Ostas, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like Castel Tesino, HSKO, Zorca, WTTA, WATA, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like LUNU, RAF, CLZ, DEL, BJJU, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like BER Bergen, VADS Vaddo, KTK1 Kautokeino, ARAC ARCESS Array S, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like NRIK Noril'sk, MVO Moncorvo, IDGL Inchi Island, IFR Vila Real, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like LZH, CD2 Chengdu, PZH PanZhiHua, BORG Borganes, CHTO Chiang Mai, etc.

11d 10h

Table of flight data for 11d 10h, including columns for flight number, airline, status, arrival, departure, arrival, departure, arrival, departure.

2019 MAY

Table of flight data for 2019 MAY, including columns for flight number, airline, status, arrival, departure, arrival, departure, arrival, departure.

554

Table of flight data for 554, including columns for flight number, airline, status, arrival, departure, arrival, departure, arrival, departure.

Main data table with columns for ID, Name, Date, Time, Location, etc. Includes entries like C24K Franklin Bluff, H19K Roundabout Mou, J26L Joseph Creek, etc.

11d 11h

Table of meteorological data for stations GHO through P30M, including station name, time, and various parameters.

2019 MAY

Table of meteorological data for stations Q17K through R40A, including station name, time, and various parameters.

556

Table of meteorological data for stations YNE through TBI, including station name, time, and various parameters.

PRE 11 10:56:31.0t:1.4,23:55>27:58E,h0km,ML2.2,Suspected explosion
BGSI 11 10:56:32.2t:3.6,23:56>27:40E,h0km,19km,ML2.7
ISC 11 10:56:28.4t:1.0,23:39>0:05:27.51E:0.04,h0km,n10,

Table of station data for stations in South Africa, including station name, coordinates, and time.

UPP 11 11:06:41.5t:2.4,67:36N>31:00E,h0km,ML1.6
HEL 11 11:06:44.2t:0.2,67:57N>30:59E,h0km,ML1.8,Explosion
KOLA 11 11:06:45.4t:67:54N>30:50E,h0km,ML2.1,Error ellipse:
s-maj=4.3km s-min=2.3km az=30.0,Kovdor City, Mines

ISC 11 11:06:45.9t:3.3,67:64N>30:14E,h0km,mbImp2.6/2,
ML1.7/2,Error ellipse: s-maj=32.8km s-min=9.4km

Table of station data for stations in the Baltic States-Belarus-Western Russia, including station name, coordinates, and time.

11d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSCO Kaye Shedlock, OZNA Dawa, P38A Ozona, T25A Trinidad, etc.

TEH 11 12:29:43.6, 32.85N, 47.41E, h6km, 147km
ISN 11 12:29:45.2, 1.5, 32.89N, 47.41E, h10km, 9km, ML3.4

IDC 11 12:29:51.0, 8.1, 33.91N, 47.45E, h0km, mb3.77,
mbtmp3.78, ML2.9/1, Error ellipse: s-maj=167.2km

ISC 11 12:29:45.8-0.9, 32.83N, 0.07, 47.33E, 0.04, h15km, n34,
e1507/35, mb3.77, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IKFM Kafar-mosalmán, IDOB Doab, IBDR Badra, etc.

SNET 11 12:35:14.2, 1.4, 13.66N, 97.46W, h92km, 79km, ML2.8
CATAC 11 12:35:14.0, 0.5, 13.3N, 97.8W, h28km, M2.9/13,
ML2.9/13, Error ellipse: s-maj=8.1km s-min=3.4km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CSGN Cosiguina Volc, POTN Potosi Cosiguí, CNCH Conchagua, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MOMN Centro de Oper, COEG Yuscaran, etc.

IDC 11 12:49:19.9, 0.7, 11.98S, 166.01E, h0km, mb4.0/15,
mbtmp4.0/17, ML4.4/2, MS3.6/7, Error ellipse:
s-maj=24.5km s-min=16.4km az=94.0

NEIC 11 12:49:22.3, 1.1, 12.12S, 0.10, 166.0E, 0.1, h10km, 1km,
mb4.6/19, Error ellipse: s-maj=18.9km s-min=16.0km
az=115.0

ISC 11 12:49:24.2, 0.5, 12.08S, 0.07, 165.99E, 0.08, h30km, n51,
e094/49, mb4.4/24, MS3.5/5, Santa Cruz Islands

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR Honiara, HNR Honiara, DZM Mont Dzumac, etc.

558

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TPB11 China Draw, PECS Pecos, TPB12 Southwest of T, etc.

OSPL 11 12:59:48.3, 1.9, 19.84N, 71.30W, h0km, 16km, ML2.8
SDD 11 12:59:50.7, 2.3, 19.75N, 71.25W, h12km, 24km, MD2.7,
ML2.4, MW2.8

ISC 11 12:59:48.5, 1.4, 19.80N, 0.06, 71.25W, 0.04, h28km, 11km,
n15, e196/24, 12C-3D, Dominican Republic region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MADR Mac Valverde, LUDR Luperon, MCDR Montecristi, etc.

IDC 11 13:00:56.7, 3.3, 4.99S, 133.68E, h0km, mb3.6/1,
mbtmp3.4/3, ML3.3/3, Error ellipse: s-maj=130.0km
s-min=32.0km az=82.0, Irian Jaya region

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

LJU 11 13:24:45.6, 46.39N, 15.07E, h0km, ML0.6, 1D,
Confirmed Rockburst, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZAVS Zvodnje, PERS Pernice, PERS Pernice, etc.

VIE 11 13:25:03.6, 0.2, 47.41N, 15.20E, h6km, m1.2/1, Error
ellipse: s-maj=2.2km s-min=1.4km az=7.0 5 km W of
Bruck a.d. Mur, Austria

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

NEIC 11 13:32:43.7±1.8, 4.99S;0.06±.134°E;0.2, h10km, 1km, mb4.7/12, Error ellipse: s-maj=28.4km s-min=9.2km az=261.0

IDC 11 13:32:45.2±0.6, 4.91S;133.74E, h0km, mb4.0/18, mbmp4.1/22, ML4.1/3, MS3.3/15, Error ellipse: s-maj=23.4km s-min=13.7km az=76.0

DJA 11 13:32:46.7±2.0, 5.3±.3°S;137.4E, h13km, 17km, M4.8/16, mb5.3/11, mb5.1/16, MLV4.8/14, Mw(mbE)4.7/11

ISC 11 13:32:47.8±0.4, 4.99S;0.05±133.75E;0.06, h28km, n108, c±509/104, mb4.3/29, MS3.3/13, Irian Jaya region

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations like KMPI, FAKI, SWI, etc. with their coordinates and station details.

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events like PZH, XAN, USRK, LZH, HHC, etc. with their coordinates and event details.

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events like KUR04, KUR05, MAKZ, etc. with their coordinates and event details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BNGB Bingli, GURO Guroymak-BITLI, MARDIN Mardin, etc.

IDC 11 14:06:47.9:1.0, 39:27N:99:61W, h0km, mbmp3.6/4, ML4.0/3, Error ellipse: s-maj=12.3km s-min=9.1km az=90.0

NEIC 11 14:06:48.7:1.4, 39:28N:0:04:99:47W:0:04, h5km, 2km, mb, L0.3/0.120, Error ellipse: s-maj=6.1km s-min=5.2km az=0.0

ISC 11 14:06:47.5:0.8, 39:30N:0:04:99:42W:0:05, h10km, n80, c212/39, Kansas

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CBKS Cedar Bluff, R32A Long Quarter, KSU1 Kansas State U, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MNXT Cornudas Mount, E38A The Farm, Brul, AGMN Agassiz Station, etc.

IDC 11 14:18:11.4:1.0, 22:87N:101:167E, h0km, mb3.6/8, mbmp3.5/9, ML3.8/1, MS3.2/6, Error ellipse: s-maj=28.6km s-min=15.5km az=87.0

BKK 11 14:18:16.6:0.7, 23:13N:101:1E, h0km, M4.6/12, mB4.7/1, mB4.5/1, Mjma4.2/12, ML4.8/6, MLV4.7/12, Mw(mB)3.9/1

ISC 11 14:18:13.3:0.8, 22:91N:105:101:22E:0:09, h10km, n25, c1965/23, mb3.6/8, MS3.2/5, Myanmar-China border

Main station list table for the 2019 MAY section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TNCH TengChong, PZH PanZhiHua, CMAR Chiang Mai Arr, etc.

IDC 11 14:38:32.8:3.3, 30:92S:176:50W, h0km, mb3.3/2, mbmp3.5/3, ML3.6/1, Error ellipse: s-maj=80.8km s-min=37.4km az=119.0, Kermadec Islands region

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

IDC 11 15:13:26.8:1.5, 0:51N:98:22E, h0km, mb3.7/8, mbmp3.7/10, ML3.5/2, Error ellipse: s-maj=42.1km s-min=20.6km az=65.0

DJA 11 15:13:32.5:0.6, 1:1N:3:9:8E, h15km, 8km, M3.9/12, mb4.0/2, MLV3.9/12

ISC 11 15:13:32.5:0.8, 0:73N:0:05:98:22E:0:07, h29km, n27, c1929/20, mb3.9/8, Northern Sumatra

Main station list table for the 15:13:32.5:0.8 section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PBSI Pulau Batu, GSI Gunungsitoli, MNSI Mandailing Nat, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, KSRS Korea Array, SONM Songno Array, etc.

ISH 11 15:17:44.8:1.2, 33:03N:48:05E, h11km, 8km, ML3.1

TEH 11 15:17:47.4, 33:24N:47:98E, h8km, 38km

ISC 11 15:17:47.6:1.1, 33:19N:0:05:47:90E:0:04, h10km, n30, c1940/32, Western Iran

Main station list table for the 15:17:47.6:1.1 section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IKFM Kafar-mosalmam, HSAM Samen, HBZA Bozab, etc.

IDC 11 15:23:30.9:1.7, 17:78S:178:85W, h570km, 17km, mb2.9/9, mbmp3.8/10, Error ellipse: s-maj=30.8km s-min=18.7km az=144.0

ISC 11 15:23:30.0:0.8, 17:8S:178:8W:0:2, h562km, n14, c0590/14, mb3.2/9, Fiji Islands region

Main station list table for the 15:23:30.9:1.7 section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MVSA Nonsavu, WRF Warramunga Arr, ASAR Alice Springs, etc.

NEIC 11 16:06:13.3, 34:52S:179:98E, h56km

WEL 11 16:05:5.0:5.5, 3:53S:18:0W:2, h86km, M6, 1/20, mb5.9/4, mB6.1/4, ML6.4/20, MLV6.2/20, Mw(mB)5.7/4, Error ellipse: s-maj=7.6km s-min=3.6km az=112.0, confirmed

NEIC 11 16:06:16.5:35:13S:179:87E, h100km, Moment Tensor Solution. Duration: 27 Moment tensor: Scale 10^17Nm; Fault plane solution: M2.29000x10^17 NP1.3x70.72000, d19.43000, l.0.51000, NP2.340.25000, d89.83000, l.39.43000, Principal axes: T 2.4724, P1g42.0000, Azm268.0000, N -0.4223, P1g19.0000, Azm160.0000, P -2.0502, P1g42.0000, Azm52.0000

NEIC 11 16:06:16.5:1.8, 34:6S:0:1:179:8E:0:2, h86km, 1km, mb5.4/12, mB5.6/22, Mw5.5/27, Error ellipse: s-maj=21.7km s-min=18.7km az=111.0, Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mr-1.22; Mw-0.07; Mw1.29; Mw-0.48; Mw-0.08; Mw2.61; Fault plane solution: M2.93000x10^17 NP1.3x70.72000, d77.41000, l.-93.09000, NP2.340.25000, d12.96000, l.-76.45000, Principal axes: T 2.9637, P1g72.0000, Azm263.0000, N -0.0800, P1g3.0000, Azm171.0000, P -2.9037, P1g57.0000, Azm76.0000

NEIC 11 16:06:18.5, 34:63S:179:75E, h100km

NOU 11 16:06:18.9, 34:95S:179:99W, h103km, mb5.6/10, South of Kermadec Islands

MOS 11 16:06:19.5:1.3, 34:59S:179:57E, h112km, mb5.4/19, Error ellipse: s-maj=10.4km s-min=9.9km az=121.4

GCMT 11 16:06:19.5:0.1, 34:72S:0:01:179:9E:0:01, h110km, Mw5.6/158, Moment Tensor Solution. s135.c251;

11d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MUN, BLDU, MEEK, BAKI, MTKN, etc.

2019 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like SNA4, VNA3, KSM, BLSI, NVL, etc.

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

Table with columns for station call letters, frequency, and other technical details. Includes stations like XAN, ATAH, PZH, etc.

Table with columns for station call letters, frequency, and other technical details. Includes stations like MATP, KGCAL, MK31, etc.

Table with columns for station call letters, frequency, and other technical details. Includes stations like ARCES, KTK1, JETI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SORM Soroca, BBTS Babate, TIRR Tigrosor, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DORK Agr/Tutak/Do, DORK DORK, AGRB Hanur-Agry, etc.

ISK 11 16:22:46.3,40.15N,28.18E, h14km, ML2.5/9
AFAD 11 16:22:46.8,40.16N,28.12E, h7km,2km,ML2.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KOTX Karacabey (Bur), KOTX KOTX, BAND Balikesir-Ban, etc.

ROM 11 16:23:40.2,0.1,44.059N,0.003,11.654E,0.004,
h10km,ML1.1/4,Error ellipse: s-maj=0.3km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LMD Lutrano, BRIS BRISIGHLEA, SFI Santa Sofia, etc.

DNK 11 16:24:10.4,9.51,40N,16.45E, h25km,60km,ML2.1
VIE 11 16:24:13.4,0.8,51.31N,16.58E, h0km,mb2/5,ML2.6/4

PRU 11 16:24:13.5,51.36N,16.25E, h0km
ISC 11 16:24:09.4,0.8,51.51N,16.29E,0.03, h0km, n38,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSP Ksiaz, KSP KSP, CHVC Chivale, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VYHS, CONA Conrad Observa, CONA comp=Z,0.5nm,0.3s, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RONA Rosalia, MOA Mollin, ARSA Arzberg, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BLEU Blekinge, BLEU BLEU, BJUU Bjuv, etc.

DJA 11 16:24:59.0,8.8,5.4,11.8E, h11km,7km, M3.9/13,
mb4.1/1,MLV3.7/13,Sumbawa region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PLAI Plampang, WBSI Waikabubak, Su, etc.

SNET 11 16:32:27.1,0.5,13.07N,89.14W, h32km,2km,ML2.6
GCG 11 16:32:27.8,0.5,13.23N,89.09W, h56km,1.9km,MD3.6

ISC 11 16:32:27.2,9.131N,0.3,89.16W,10.09, h46km,40km,
n10,0.66/16,EI Salvador

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LFRES El Faro, COEC Centro de Oper, COEG COEG, etc.

IDC 11 17:05:20.1,1.1,41.93S,74.28W, h0km, mb3.9/6,
mbmp3.8/8,ML3.7/2,MS3.1/1, Error ellipse: s-maj=28.8km

GUC 11 17:05:24.9,0.8,41.98S,74.21W, h46km,4km,ML4.2
NEIC 11 17:05:24.4,1.0,41.95S,0.03,74.2W,0.1, h41km,11km,

ISC 11 17:05:22.6,0.8,41.95S,0.03,74.36W,0.08, h21km,4km,
n59,0.41/74,mb3.9/6, Off coast of southern Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LL06 Loncomilla, LL06 Loncomilla, LL05 Los Muermos, etc.

GO07 Milladeo Hill, 1.27 156 Sn Pn 17 05 45.5 +0.4

GO07 Milladeo Hill, 1.27 156 Sn Pn 17 05 45.0 -1.0

GO07 Milladeo Hill, 1.27 156 Sn Pn 17 05 45.0 -1.0

LL01 San Ignacio de, 1.51 107 Sn Pn 17 05 47.8 -0.5

LL01 San Ignacio de, 1.51 107 Sn Pn 17 05 48.2 -2.5

LL03 Petrouhe, 1.68 62 Sn Pn 17 05 50.4 -0.3

LL03 Petrouhe, 1.68 62 Sn Pn 17 05 50.7 -1.9

LL03 Petrouhe, 1.68 62 Sn Pn 17 05 50.7 -1.9

LL01 Corral, 2.19 19 Sn Pn 17 05 57.6 -0.0

LR04 Rañ Marn B, 2.21 152 Sn Pn 17 05 58.0 +0.1

LL02 Futaleufu, 2.23 125 Sn Pn 17 05 58.9 +0.7

LL02 Futaleufu, 2.23 125 Sn Pn 17 05 59.0 +0.7

LL02 La Junta, 2.47 146 Sn Pn 17 06 02.0 +0.4

LL02 La Junta, 2.47 146 Sn Pn 17 06 02.0 +0.4

LL01 Currie, 2.47 47 Sn Pn 17 06 01.9 +0.3

AR05 Puyhuapi, 2.77 154 Sn Pn 17 06 05.7 +0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Juan Fernandez, Universidad Ad, Curacav, etc.

IDC 11 17:20:35.6,0.9,2.03S:99.72E, h0km, mb3.9/17, mbmp3.9/18, ML3.6/1, Error ellipse: s-maj=32.2km s-min=14.0km az=53.0

DJA 11 17:20:40.1,0.3,2.2S:4.10E, h10km, M4.4/17, mB4.9/2, mB4.4/5, MLV4.4/17, Mw(mB)4.2/2

NEIC 11 17:20:41.6,2.5,1.67S:0.06:99.94E:0.08, h45km,6km, mB4.5/21, Error ellipse: s-maj=13.0km s-min=8.2km az=65.0

ISC 11 17:20:40.9,0.5,1.73S:0.005:99.93E:0.05, h33km, n92, z=207/90, mb4.3/30, Southern Sumatra

Main table of station data for the left column, including stations like Saibi, Padang Panjang, Bangkinang, etc.

Table of station data for the middle column, including stations like Kajiasy, Simiganj, Stephens Creek, etc.

IDC 11 17:26:42.2,1.6,2.22S:68S:171.20E, h0km, mb3.6/4, mbmp3.6/4, Error ellipse: s-maj=46.9km s-min=42.2km az=18.0

ISC 11 17:26:48.0,1.5,2.27S:0.3:171.20E, h3.0, h42km, n6, z=172/6, mb3.7/4, Southeast of Loyalty Islands

Main table of station data for the middle column, including stations like Alice Springs, Warrungarra Arr, etc.

IDC 11 18:12:48.3,2.1,5.417N:163.20W, h0km, mb3.7/7, mbmp3.7/7, Error ellipse: s-maj=61.6km s-min=29.2km az=10.0

NEIC 11 18:12:53.9,2.2,5.3:94N:0.05:163.23W:0.05, h4km,14km, ML3.5/22, ML3.2/2(AEIC), Error ellipse: s-maj=8.5km s-min=2.3km az=152.0

AEIC 11 18:12:53.1,1.4,5.3:90N:0.03:163.24W:0.06, h14km,5km, Error ellipse: s-maj=4.9km s-min=4.6km az=131.0

ISC 11 18:12:53.7,1.3,5.3394N:0.08:163.23W:0.05, h4km,13km, n83, z=99/81, mb3.7/7, Unimak Island region

Main table of station data for the right column, including stations like Isanotski Laza, False Pass, etc.

IDC 11 18:17:22.3,0.0,0.30N:0.10:120.23E, h0km, mb3.8/9, mbmp3.8/10, ML3.3/1, MS3.2/3, Error ellipse: s-maj=88.3km s-min=17.0km az=65.0

DJA 11 18:17:23.9,0.9,0.9N:7.10E, h10km, M4.1/10, MLV4.1/10

ISC 11 18:17:24.5,0.8,0.04N:0.07:119.62E:0.07, h10km, n22, z=1945/21, mb4.0/10, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other data points for various stations like MFSI, APM, MRSI, etc.

ISK 11 18:40:02.9, 39.02N, 26.05E, h9km, ML3.1/20
ATH 11 18:40:03.0, 39.01N, 26.06E, h13km, 4km, ML2.5/7
Manual Solution by F. Xalari First location: 2019/05/11
18:41:27, This location: 2019/05/12 03:15:49 ML

Amplitudes are expressed in micrometers. All distances
are expressed in degrees. Longitude uncertainty: 4 km;
Longitude uncertainty: 3 km

AFAD 11 18:40:03.3, 39.04N, 26.09E, h7km, 3km, ML3.0
ISC 11 18:40:03.1-0.9, 39.01N-0.02, 26.06E-0.02, h13km, gkm,
n44, e039/62, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other data points for stations like SIGR, GPNR, EAEG, etc.

IDC 11 18:50:56.9, 0.5, 28.78N, 81.65E, h0km, mb4.2/28,
mbmp4.2/31, ML4.3/3, MS3.2/6, Error ellipse:
s-maj=16.8km s-min=11.3km az=42.0
BUI 11 18:50:58.5, 28.94N, 81.62E, h16km, mb4.5/10, mb4.4/38,
MS3.8/15, MS7.3/16
DMN 11 18:50:59.6, 0.0, 29.07N, 81.29E, h30km, M15.1/9, Error
ellipse: s-maj=0.0km s-min=0.0km az=0.0
NEIC 11 18:51:02.0, 1.5, 28.87N, 0.0881E, 0.07, h31km, 3km,
mb4.5/77, Error ellipse: s-maj=13.1km s-min=7.8km
az=197.0
NDI 11 18:51:04.0, 1.6, 28.89N, 81.58E, h30km, ML4.3, MW4.3
ISC 11 18:51:01.0-1.0, 28.85N-0.04, 81.63E-0.03, h27km, 7km,
n223, 178/263, mb4.5/66, MS3.3/5, 2D, Nepal-India
border region

Main table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other data points for stations like LGTI, PYUN, PTH, KOLD, etc.

Table with columns: SHL, Time, Residual, and other data points for stations like SHL, AAZ, AZL, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details for stations such as ARTI, KBZ, KSRS, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details for stations such as WTTA, WATA, WOTA, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details for stations such as PINE, B040, I07A, etc.

SOME 11 19:49:05.9,44:30'N,82:77'E, h10km
NWC 11 19:49:10.8,3.9,44:48'N,82:37'E, h0km, mb2.9, mpv2.5,
Error ellipse: s-maj=57.3km s-min=16.1km az=117.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

JMA 11 19:56:17.0,0.2,39:8'N,0:6:143:5E:1:0, h28km, MV4, 1/37,
FAR E OFF SANRIKU
NIED 11 19:56:17.0, 39:77'N-143:45'E, h28km, MW3.9, Moment
Tensor Solution, s3 Moment tensor: Scale 10^14Nm;

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: DZM, Mont Dzumac, 22.91 136, LR, LR, 20 23 49.3, etc. Includes rows for Alice Springs, Fitzroy Crossi, etc.

Table with columns: RKGY, Rocky Gully, 41.24 222, P, P, 20 20 40.3 +0.6, etc. Includes rows for Bungbulang, Tuamarina, etc.

Table with columns: BJT, Beijing, 55.15 329, P, P, 20 22 27.1 +0.4, etc. Includes rows for Beijing, Chengdu, etc.

11d 20h

2019 MAY

Table with columns for station name, frequency, power, and signal strength. Includes stations like SONM Songino Array, NIKH Nikoiski High, ZAK Zakamensk, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like TIXI Tiksi, J16K Anvik River, M17K Holitna River, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like NIL Niore, CAST Castle Rocks, BOOM Boomsokoye usch, etc.

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

IDC 11 20:33:15.2±0.19,51Sx177.56W,h568km,20km,mb3.27, mbmp4.2/10,Error ellipse: s-maj=24.0km s-min=19.9km az=99.0

ISC 11 20:33:13.6±0.18,55S,02x177.4W,0.2,h550km,n17, r=124/18,mb3.9/7,Fiji Islands region

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

IDC 11 20:51:55.2±1.1,38.96N,74.60E,h0km,mb3.7/11, mbmp3.7/16,ML3.1/5,MS3.6/2,Error ellipse: s-maj=21.7km s-min=18.2km az=38.0

SOME 11 20:51:56.8,39.12N,74.67E,h5km KRNTE 11 20:52:00.0±0.1,39.23N,74.29E,h19km,mb4.0, NNC 11 20:52:03.2±0.9,39.58N,74.41E,h0km,30km,mb4.1, mpv3.8,Error ellipse: s-maj=43.5km s-min=20.0km az=178.0

ISC 11 20:51:57.3±1.8,39.18N,0.05x74.29E,0.03,h2km,10km, n69,r=228/101,mb3.6/10,36C-23D,Southern Xinjiang

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

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

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

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

SOME 11 20:54:16.8,39.00N,74.98E,h5km IDC 11 20:54:18.2±2.4,39.03N,74.69E,h0km,mb3.8/7, mbmp3.7/9,ML2.9/2,MS3.9/5,Error ellipse: s-maj=51.7km s-min=22.9km az=110.0

NNC 11 20:54:19.3±1.5,39.08N,74.84E,h0km,mb4.3,mpv3.9, Error ellipse: s-maj=11.4km s-min=6.9km az=159.0 KRNTE 11 20:54:20.5±0.1,39.06N,74.06E,h16km,mb3.8, ISC 11 20:54:18.2±0.9,39.13N,0.05x74.66E,0.03,h10km,n53, r=226/78,mb3.7/6,MS3.7/5,32C-16D,Southern Xinjiang

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

MDT Midelt 62.55 291 LR LR 21 35 40.3
OPO Ambohidratompo 62.90 209 LR LR 21 31 21.0
TORO Torodi Arr. Bea 66.85 270 P P 21 25 23.9 +1.9

NEIC 11 21:16:50.6:0.9, 34:77N:0:01:97:56W:0:01, h5km, 3km, Error ellipse: s-maj=1.7km s-min=1.3km az=188.0

NEIC 11 21:16:51.2:0.8, 34:76N:0:04:97:59W:0:07, h5km, 2km, ML2.5/12, Error ellipse: s-maj=9.8km s-min=5.8km az=283.0

NEIC 11 21:16:52.4:1.1, 34:80N:0:04:97:56W:0:07, h7km, 6km, Error ellipse: s-maj=8.2km s-min=5.5km az=109.0

NEIC 11 21:16:50.0:1.0, 34:77N:0:01:97:56W:0:00, h5km, 1km, mb_Lg2.8/96, ML2.8/18, ML2.8/27, Error ellipse: s-maj=2.7km s-min=1.8km az=168.0, Oklahoma

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include stations like Smith Ranch, M, Franklin, Okla Sci Mus, Love County, etc.

SAND Sanderson 6.16 220 Iamb_Lg 21 20 11.0
SAND Sanderson 6.16 220 Pn 21 18 24.5 +2.9
SAND Sanderson 6.16 220 Iamb_Lg 21 20 30.0

IDC 11 21:33:47.6:4.5, 5:54S: 132:02E, h0km, mb4.3/1, mbmp3.9/3, ML3.9/2, Error ellipse: s-maj=305.1km s-min=30.0km az=74.0

ISC 11 21:33:59.3:1.1, 6:00S:0:09:131:3E:0.2, h61km, n14, a1999/13, Banda Sea

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include stations like BNDI Bandanaira, DRS Darwin Rock St, etc.

MOS 11 21:55:26.9:1.5, 40:00N:100:33E, h10km, mb4.4/21, Error ellipse: s-maj=7.8km s-min=5.5km az=43.7

BUI 11 21:55:27.5, 39:97N:100:60E, h10km, mb4.5/8, mb4.3/18, ML4.5/17, Ms4.0/24, Ms7.3/722

IDC 11 21:55:28.4:0.6, 40:15N:100:35E, h0km, mb4.0/20, mbmp4.0/24, ML3.8/4, MS3.2/16, Error ellipse: s-maj=17.6km s-min=12.0km az=39.0

NEIC 11 21:55:28.5:1.5, 39:98N:0:03:100:29E:0:10, h10km, 1km, mb4.2/43, Error ellipse: s-maj=13.5km s-min=3.1km az=251.0

ISC 11 21:55:29.1:0.3, 40:01N:0:03:100:35E:0:04, h10km, n160, a1853/70, mb4.2/52, MS3.2/15, 10C-6D, Western Nei Mongol

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include stations like Gaotai, Lanzhou, GeErMu, Baotou, Hu-huo-hao-te, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include stations like TNCH, SHL, IMP, PRZ, TARG, ZAAO, ZALV, ZALZ, ZALY, ZALV, ZALZ, AZL, AZL, KDJ, NRYN, BOOM, KURK, KURK, KURB, KASH, KSH, FRU1, AAK, AAK, AAK, ARLS, ARSB, ARSB, CHTO, CHTO, TJN, CM31, CMAR, CMAR, HEH, HEH, KS19, KS19, DRK, DRK, DRK.

Table with columns: Code, Station Name, Az, El, Phase ID, ISC, Time Res, h, m, s, ISC. Contains station data for various locations including IROC Station P, IROC Station P, IROC Station P, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, ISC, Time Res, h, m, s, ISC. Contains station data for various locations including Kahnoj, Bandar-Abbas, Negar Kerman, Negar Kerman, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, ISC, Time Res, h, m, s, ISC. Contains station data for various locations including MHTO, Gamsar, Seifabad, Gotvand, etc.

Code Station Name Az El Phase ID ISC Time Res h m s ISC
IDC 11 23:30:12.1±2.28.33N-57.08E, h10km, mb3.7/11, mbtmp3.8/12, ML3.6/1, MS3.2/4, Error ellipse: s-maj=47.0km s-min=22.2km az=159.0
TEH 11 23:30:12.9, 28°28'N-57°14'E, h8km, 29km
DSN 11 23:30:13.2, 1.8, 28°41'N-56°86'E, h10km, ML3.8/13, Error ellipse: s-maj=22.6km s-min=12.7km az=67.0
THR 11 23:30:14.6, 0.0, 28°33'N-57°09'E, h10km, 6km, ML4.0
OMAN 11 23:30:15.0, 1.0, 28°16'N-57°04'E, h10km, mb4.8/3, mk4.0/2.0, Error ellipse: s-maj=2.4km s-min=1.4km az=353.0
ISC 11 23:30:15.1±0.6, 28°25'N-104°57'E, 0.0, h42km, m129, o182/148, mb3.6/10, MS3.2/3, Southern Iran

577

Table of station data for 577, including station name, time, frequency, and other technical details. Includes stations like WRKA, AS31, ASAR, AS01, etc.

2019 MAY

Main table of station data for 2019 MAY, including station names like GSPA, SPITS, PDAR, TXAR, etc., with time, frequency, and technical details. Includes a section for IDC 11 23:49:32.0...

12d 1h

Table of station data for the 12d 1h period, including stations like MDOK, NRN, NRX, etc., with time, frequency, and technical details. Includes a section for IDC 12 00:06:28.9...

NEIC 12 01:33:24.1±1.3, 21°62'S, 0°05:68.47W±0.09, h122km, 7km, mb4.3/9, Error ellipse: s-maj=11.9km s-min=7.1km az=75.0

GUC 12 01:33:25.0±0.6, 21°60'S:68.52W, h118km, 4km, ML3.7
ISC 12 01:33:23.7±0.7, 21°63S:04.6848W±0.05, h126km, 6km, n79, c177/107, mb3.47, 8C, Chile-Bolivia border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like IPOC Station P, San Pedro de A, Diego Aracena, Huaiquique, Chuzmiza, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Pinedale Array, Mina Array Bea, Torodi Ar. Bea, Pah Rang Range, etc.

IDC 12 01:40:29.6±3.5, 11°69S×165.42E, h0km, mb3.7/5, mbmt3.6/5, Error ellipse: s-maj=129.4km s-min=33.1km az=136.0, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like WAKE ISLAND Hy 30.01, WAKE ISLAND Hy 30.02, WAKE ISLAND Hy 30.03, etc.

IDC 12 01:44:10.4±25.0, 22°75S: 177.80W, h230km, 217km, mb3.6/3, mbmp4.2/3, Error ellipse: s-maj=96.5km s-min=28.4km az=52.0

ISC 12 01:44:23.6±1.4, 22°9S:03°178.1W±0.3, h350km, n7, c071/71, mb3.6/3, South of Fiji Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Alice Springs, Warramunga Arr, South Pole Qui, etc.

SDD 12 01:45:35.1±1.3, 19°72N:71°23W, h23km, 6km, MD3.0, ML2.8, MW3.1
SSNC 12 01:45:35.1±2.3, 19°75N:71°23W, h5km, MD3.5, ML2.7, MW2.1

ISC 12 01:45:34.5±1.0, 19.74N:0°03:71°20W±0.03, h33km, 3km, n23, c192/42, Dominican Republic region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Madrao Valverde, Luperon, Santiago de lo, etc.

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

NNC 12 01:46:50.8±2.2, 40°77N:77°34E, h0km, mb3.6, mpv3.2, Error ellipse: s-maj=15.5km s-min=13.3km az=41.0
KRNET 12 01:46:50.7±0.1, 40°76N:77°16E, h16km, mb2.6
SOME 12 01:46:50.2±0.4, 40°73N:77°23E, h10km
ISC 12 01:46:52.3±1.2, 40°76N:09°77.06E±0.04, h10km, n33, c157/53, 13C-13D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Naryn, Taragay, Kyrgyz, Kajisay, Ulahol, Boomsokoe ussch, etc.

CATAC 12 01:58:49.0, 0.8, 6.1N, 7.8'W, ... h1km, M4.8/19, mb4.9/16, ...

Main table with columns: Code, Station Name, Az, Az, Time, Res, ISC, and station details. Includes stations like CACAQ, CACAO, GMAL, PIRO, etc.

Table containing station information for PDAR, PETO1, PLTB, ELK, NV11, PLCA, PLCA, NVAR, LHV, YFT, RYN, CMCO1, RIB01, WYOR, MCX, RKT, TAOE, YKA, YKA, BBTS, PPT, PPT2, PPT2, PPT2, RES, TBI, TBI, TBI, K29M, INK, F30M, G29M, G29M, ILAR, ILAR, B2IC, ESCD, RAR, EKA, SPITS, DAVOX, KEST, HFS, SNAAS, ARCES, VRAC, VAE, FINES, QSPA, QSPA, MLR, AKASQ, H11N3, H11N2, H11N1, H11S2, H11S1, H11S3, KURB8, MKAR, HHC, NJ2, ASAR, WRA, H01W1, H01W2, H01W3, PZH

Table containing station information for MTJDJ, MTJDJ, PILO, LMGC, LMGC, CHVCO, JTS, MARVS, HCCC, HLGC, PINC, GTBY, OMBU, MASC, ILAR, ESCD, ASAR

APR 12 02:15:57.0,25:09N:122:97E,h173km,ML3.6,D
JMA 12 02:15:58.0,0.4,25°N,3°E,h161km,4km,MV3.1/17,
NW OFF IGHAKUJIMA IS
ISC 12 02:15:58.1,1.8,25:06N,107:22:95E,0.03,
h163km,11km,n70,0.8,SNR=108,Taiwan region

Table containing station information for Code, Station Name, A, AZ, Phase, ID, Time, Res

Table containing station information for H11N1, H11N2, H11N3, MKAR, ZALV, KURB8

MEX 12 02:38:33.0,5.0,16:48N-98:26W,h30km,11km,MD3.6,
Near coast of Guerrero

Table containing station information for Code, Station Name, A, AZ, Phase, ID, Time, Res

NOU 12 02:47:44.2,17:76S:178:49W,h577km,mb4.9/67,Fiji
Islands Region
NEIC 12 02:47:44.6,2.4,17:85S:0.1:178:6W:0.1,h567km,7km,
mb4.6/386,Error ellipse: s-maj=17.7km s-min=14.0km
az=138.0
IDC 12 02:47:45.1,0.6,17:76S:178:70W,h577km,5km,mb4.0/19,
mbmp4.9/21,Error ellipse: s-maj=12.2km s-min=9.3km
az=130.0

ISC 12 02:47:45.4,0.4,17:82S:0.05:178:57W:0.05,
h577km,4km,h579km:pp:P,n755,r1921/598,mb4.6/240,
28C-21D,Fiji Islands region

Table containing station information for Code, Station Name, A, AZ, Phase, ID, Time, Res

IDC 12 02:03:20.8,1.6,17:57N:83:33W,h0km,mb3.4/2,
mbmp3.5/3,ML2.6/2,Error ellipse: s-maj=41.2km
s-min=36.6km az=69.0
SSNC 12 02:03:25.6,1.2,17:60N:83:01W,h5km,MD3.8
ISC 12 02:03:22.8,0.9,17:68N:0.1:83:30W:0.08,h18km,n18,
r198B,19,North of Honduras

IDC 12 02:35:24.4,2.4,13:19N:124:25E,h0km,mb3.7/5,
mbmp3.7/5,MS3.6/1,Error ellipse: s-maj=243.3km
s-min=21.0km az=66.0,Luzon

CMSA 12 02:35:25.0,0.8,17:59N:124:25E,h0km,mb3.7/5,
mbmp3.7/5,MS3.6/1,Error ellipse: s-maj=243.3km
s-min=21.0km az=66.0,Luzon

Table containing station information for Code, Station Name, A, AZ, Phase, ID, Time, Res

Table with columns: ID, Name, Value, Date, Status, Location, etc. Includes entries like TGL Tana Glacier, S32K Killisnoo, E08A Dider Farm, etc.

Table with columns: RIDG, Name, Value, Date, Status, Location, etc. Includes entries like RIDG Independent Ri, O30N Mendendall, H21K Melozitna River, etc.

Table with columns: C18K, Name, Value, Date, Status, Location, etc. Includes entries like C18K Utukok River, F22K John River, D19K Kuna River, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like H29B Whitestone, ELIB Princess Elisa, KOTAN Kotanele Air, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like CLL Collm, CLL Collm, Ujcie, Steborice, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like CLNB Carlsbad, CLN7 Carlsbad 7, HTMS Hat Mesa, etc.

NEIC 12:02:50:59.0±1.4,3.6S;0.1-35.7E;0.1,h10km,2km,mb4.2/9, Error ellipse: s-maj=22.0km s-min=15.7km az=306.0, Tanzania

TXNET 12:02:48:06.6,31.1N;0.8,103.2W;0.6,h3km,1km,ML3.0/1.4, Error ellipse: s-maj=1.2km s-min=1.0km az=9.4, final

NEIC 12:02:48:07.2,0.7,31.12N;0.02-103.21W;0.02,h5km,2km, mb_Lg2.9/8.7,ML2.9/6.4,4C-5D, Error ellipse: s-maj=3.1km s-min=2.9km az=16.0, Western Texas

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like KIBK Kibwezi, KMBO Kilima Mbojo, LSK Lodwar, etc.

IDC 12:03:01:44.0±1.0,2.56S;138.76E,h0km,mb3.6/5, mbmt3.7/6,ML4.0/1, Error ellipse: s-maj=24.7km s-min=15.4km az=2.0

DJA 12:03:01:48.1±0.3,3.3S;2.13E, h10km,ML3.7/6, Error ellipse: s-maj=1.5km s-min=1.5km az=2.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like SMPI Sarmi, GEMPI Genyem, JENI Jayapura, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, ASAR Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array, ILAR Eielson Array.

IDC 12 03:26:38.6; 1.7, 2.58S; 134.29E; h0km, mb3.5/2, mbtmp3.7/5, ML3.4/3, MS3.4/2, Error ellipse: s-maj=40.8km s-min=29.0km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RANSKI Ransiki, KAIMANA Kaimana, SERUI Serui, FAKI Fak Fak, BAKI Biak, SORONG Sorong, BANDI Bandanaira, JAY Jayapura, WRA Warramunga Arr, FITZ Fitzroy Cross, ASAR Alice Springs, MKAR Makanchi Array, MAW Mawson.

SDD 12 03:38:45.8; 1.1, 1.39N; 68.59W; h109km, mb6km, MD2.5, ML2.3, MW2.5

NEIC 12 03:38:49.6; 0.8, 19.14N; 0.08; 68.70W; 0.05, h35km, 2km, ML2.4/3, Md2.5/3(RSPR), Error ellipse: s-maj=14.6km s-min=7.0km az=208.0

RSRPR 12 03:38:50.9; 19.18N; 68.64W; h44km, 17km, MD2.5, 5C-7D, North Atlantic Ocean

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MIDR Miches, SMDR Samana, HIDR Higey Centro, PCDR Punta Cana, SADR Isla Saona, LSP Las Mesas, CRPR Cabo Rojo, AOPR Arecibo Observ, UUPR Utuado, CELP Cerrillos, ECRP Experimental S.

MEX 12 03:40:06.9; 0.6, 13.73N; 93.03W; h10km, MD4.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like THIG THIG, RTAL Retalhuleu, STGS El Palmar, SOKI El Palmar, STGB Kika Raxquin, PCIG PCIG, CCGI Comitan.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CCGI Comitan, TGIG TGIG, UXUV UXUV, CMIG Matias Romero.

JMA 12 03:46:13.2; 0.1, 24.8N; 0.8; 122.4E; 0.3, h31km, 2km, MV2.5/11, NW OFF ISHIGAKUJIMA

TAP 12 03:46:13.0; 24.72N; 122.42E; h14km, ML2.9, C

ISC 12 03:46:13.2; 0.1, 24.73N; 0.02; 122.42E; 0.02, h18km, 4km, n83, c0669/151, 2C, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EIOS2 EIOS2, EIOS3 EIOS3, TWB1 Santiao Chiao, TWC Suao, TSWO Su ao, YJNG Yonagunijimaku, TIPB Shuangxi, YONAGUNI Yonaguni jima, EOSA EOSA, ILAN Ilan, GRASS MOUNTAIN Grass Mountain, DONGSHAN Dongshan, WUTA Wuta, WU-FEN SHAN Wu-fen Shan, NEICHENG Neicheng, ENANA Nanau, TNOU National Taiwa, EAOH Aohua, FUSHANZHUYUYA Fushanzhiwuyua, NIUDOU Niudou, MUCHA Mucha, TAIPEI Taipei, DATONG Datong, WULAI Wulai, KHANDIAN Khandian Distri, YMO1 YMO1, TATO Taipei, YMO8 YMO8, YAP Taipei, ZHUZHUI Zhuzhui, FUSH VILLAGE Fush Village, CHENHUA Chenhua, TAIPEI Taipei, NINGANGCHIAO Ningangchiao, CHIAWAN Chiawan, DATONG Datong, XIULIN Townshi, SHANGHAI Shanghai, TONGMEN Tongmen, XIULIN Townshi, FUSHOU Fushou, WUFENG Townshi, SHOUFENG Shoufeng, TACHIAN Tachien, TECHI TECHI, RIOMOTE-FUNAU Riomote-Funau, SHILIN Shilin, EMEI EMEI, JICHI Village Jichi Village, NANJUANG Nanjuang, HSINCHU Hsinchu, RENAI Renai, FUJING FUJING, WUBEN Renai, WUBS WUBS, TAICHUNG CITY Taichung City, HATERUMA JIMA Hateruma jima, MILOI MILOI, WVDY WVDY, GUOXING Guoxing, RUISUI Ruisui, KURO-SHIMA Kuro-shima, KYUTAN Kyutan, WANRONG Wanrong, HUNGUYE Hunguye, ISHIGAKI Ishigaki jima, SUN MOON LAKE Sun Moon Lake, SUANGLUANG Suanglung, YUCHAR Yuchar, YULI Yuli, XINYI Township Xinyi Township, WHYT WHYT.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YUS Yu-Shan, FULB Fuli, EHD Haiduan, CHNS Tsaulung, ELDTW Lidau, EDLW Edlth, EDTH Donghe, EDH EDH, CHNA Tsashuan, CHY4 CHY4, STYH Taoyuan.

NEIC 12 04:25:47.6; 2.2, 17.9S; 0.2; 178.5W; 0.1, h566km, 11km, mb4.1/45, Error ellipse: s-maj=26.0km s-min=15.8km az=146.0

IDC 12 04:25:50.7; 1.4, 17.76S; 178.66W; h607km, 12km, mb3.4/9, mbtmp4.4/11, Error ellipse: s-maj=44.5km s-min=14.2km az=147.0

ISC 12 04:25:47.8; 0.6, 17.9S; 0.1; 178.38W; 0.09, h579km, n62, c1523/61, mb4.1/29, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSFV Nonsavu, MSFV MSFV, AFU Afiamalu, NIUE Niue, PINNC Pines Island, DZM DZM, TKNZ Takaka Hill, EIDS Eidsvold, CAN Canberra, COEN Coen, TOO Toolangi, STKA Stephens Creek, BBOO BBOO, WR8 Warramunga Arr, WBO Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, FITZ Fitzroy Cross, PSAO0 Pilbara Seismi, GIRL Girilal, JMZ Jimidaito, MJAR Matsushiro Arr, YBH Yreka Blue Her, MPK Martis Peak, PNTR Pine Nut, NVAR Mina Array, NVAR Mina Array, NV11 Mine Array, J05D Fork Rock, PINE Pine Mountain, PINE Pine Mountain, PWR Pahroc Range, VONR Wild Horse Val, J08A Circle Bar Ran, J08A Circle Bar Ran, LCMIT Little Creek M, U15A North Rim, CAST Castle Rocks, TRF Thorofare Moun, F10A Beach Ranch, Q32M Nakina River, Q32M Nakina River, VHRN Van Horn, CCB Clear Creek Bu, IL31 IL31, ILAR Eielson Array, ILAR Eielson Array, TX31 Lajitas Ar, TXAR Lajitas Array, TXAR Lajitas Array, YHL Hebgren Lake, PD31 Pinedale Array, PDAR Pinedale Array, YNE Yellowstone N, BMAR Burnt Mountain, H29M Whitestone, G30M Atoh Zraii Nji, YKA Yellowknife Ar, BRTR Keskin Array, GERES GERES Array.

NEIC 12 04:51:18.7; 0.9, 19.390N; 0.010; 155.271W; 0.009, h5km, 2km, Error ellipse: s-maj=3.2km s-min=1.6km az=154.0

HVO 12 04:51:18.1; 0.7, 19.40N; 0.01; 155.258W; 0.009, h2km, 1km, ML2.7/29, ML2.6/38(NEIC), Error ellipse: s-maj=1.6km s-min=1.3km az=172.0, Hawaiian Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like KKO, RYM, BYL, HATHI, OBSERVATORY, etc.

ISK 12 05:01:08.6, 38.76N, 26.63E, h13km, ML2.8/26
AFAD 12 05:01:08.8, 38.76N, 26.61E, h7km, 2km, ML2.6
ISC 12 05:01:09.0, 0.9, 38.76N, 26.62E, 0.03, h13km, 7km,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like FOCM, KARB, IZMD, etc.

SJA 12 05:01:41.1, 0.6, 30.39S, 72.45W, h20km, 33km, ML3.4, MW3.7
GUC 12 05:01:46.2, 0.6, 30.62S, 71.91W, h28km, 3km, ML3.2
ISC 12 05:01:46.7, 2.6, 30.58S, 0.05, 71.96W, 0.09, h17km, 13km,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like CO06, CO05, CO02, etc.

Table with columns: RTLS, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like Leoncito, Curacav, MT02, etc.

SKHL 12 05:08:34.9, 0.6, 44.40N, 148.40E, h60km, 5km, mb5.0/4
MOS 12 05:08:34.7, 0.8, 44.44N, 148.31E, h57km, mb4.5/1, Error
ellip: s-maj=12.2km s-min=9.9km az=135.0
JMA 12 05:08:35.9, 0.4, 44.44N, 148.31E, h0km, MV4.6/36, SE
OFF ETOROFU
IDC 12 05:08:38.4, 2.5, 44.52N, 148.19E, h72km, 20km, mb3.4/14,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like KUR, KURB, CMAR, BVAR, YKA, etc.

Table with columns: KLR, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like KLR, KLR, KLR, etc.

ZALV Zalesovo Beam 41.32 307 P P 05 18 12.0 -1.7
MKAR Makanchi Array 45.08 297 P P 05 16 44.5 -2.0
MKAR comp=E, 0.7nm, 0.7s, baz=72, slow=8.2, SNR=5.9

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like KURK, CMAR, BVAR, YKA, etc.

IDC 12 05:12:32.1, 1.5, 23.95S, 66.71W, h174km, 43km,
mbmp3.4/6, Error ellipse: s-maj=32.2km s-min=13.9km
SJA 12 05:12:34.0, 0.7, 23.88S, 66.75W, h215km, 7km, ML3.6,
MW3.4
GUC 12 05:12:35.3, 0.2, 23.83S, 67.21W, h236km, 11km, ML3.6
ISC 12 05:12:33.6, 1.0, 23.89S, 0.04, 66.70W, 0.05,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various other parameters. Includes stations like SALTA, SLA, YJA, etc.

12d 5h

Table with columns: CFA, Coronal Fontan, 7.81 190 P, Pn, 05 14 23.6 -0.8, etc.

IDC 12 05:16:20.5:0.6,56:16N:163:96E, h0km, mb4.0/26, mbmp4.0/28, ML3,7/2, MS3,3/5, Er, ellipse: s-maj=16.9km s-min=11.9km az=149.0

KRSC 12 05:16:21.6:1.2,56:09N:164:16E, h47km:18km, Mc4.4, M4.5

NEIC 12 05:16:22.7:1.3,56:14N:0:09:163:9E:0:1, h10km:1km, mb4.2/54, Error ellipse: s-maj=16.3km s-min=9.6km az=145.0

MOS 12 05:16:23.9:1.1,56:10N:164:08E, h39km, mb4.4/7, Error ellipse: s-maj=7.4km s-min=4.4km az=62.2

ISC 12 05:16:21.6:1.5,56:07N:0:04:164:14E:0:03, h9km,10km, h431, s1914/438, mb4.2/54, MS3.4/4, 5C-5D,

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Krutoberegovo, Semkarok, Zelenaya, etc.

2019 MAY

Main table with columns: SP1A, Saint Paul Isl, 14.12 75 P, P, 05 19 41.2 -0.2, etc. Includes stations like Gambell, George I, Nikolski High, etc.

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Main table with columns: N18K, Kilae Creek, 21.21 61 P, P, 05 21 07.8 +0.6, etc. Includes stations like Poorman, Tiksi, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like MCK McKinley, PMR Palmer, SEW Seward, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like L29M L29M, M29M M29M, G30M G30M, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like FINES FINESS Array B, BELG Belgomero, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like STKA Stephens Creek, STKA Jago River, WRA Warramunga Arr, etc.

NEIC 12 05:54:10.7±0.8, 17.8±0.1; 174.7±0.1, 1191km±12km, mb4.3/1.5, Error ellipse: s-maj=21.9km s-min=14.4km

IDC 12 05:54:17.2±3.8, 17.91±0.5; 174.98W, h246km, 33km, mb3.3/8, mbmp4.0/10, Error ellipse: s-maj=38.0km s-min=18.1km az=137.0

ISC 12 05:54:15.0±0.8, 18.0±0.1; 174.9±0.1, h228km, n30, 151°28', mb4.0/16, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like NIUE Niue, AFM Afiamalu, MSVF Nonsavu, etc.

IDC 12 05:57:26.8±0.5, 27.17±0.1; 140.19E, h478km, 6km, mb3.2/19, mbmp4.0/24, Error ellipse: s-maj=14.2km s-min=11.1km az=70.0

ISC 12 05:57:26.5±0.7, 27.16±0.1; 140.2±0.1, h469km, n25, 152°26', mb3.6/19, Bonin Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Chichijima, Hachioji jima 2, Matsushiro Arr, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Waramungsa Arr, Zalesovo Beam, Makanchi Array, etc.

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

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

JSO 12 06:04:56.0, 5.7, 2.9, 11.37, 3.5E, 2.1, h11km, 9km, M2.8/7, Mjma2.6/7, ML3.0/6, MLV2.8/6, MLV2.8/6, Gll 12 06:04:56.2, 0.0, 2.9, 19.4N, 0.004, 34.85E, 10.002, h1km, Mws2.4/5, confirmed

KSR5 comp=E, 1.3nm, 0.3s, baz=143, slow=22, SNR=4.7 KSR5 comp=E, 1.3nm, 0.3s, baz=160, slow=33, SNR=4.9

WMQ comp=Z, 2.7nm, 0.9s WMQ comp=Z, 2.7nm, 0.9s

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like KSR5, KSR5, KSR5, etc.

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

IDC 12 06:07:42.9, 1.5, 32.7, 73N, 132.20E, h35km, 11km, mb3.7/19, mbtmp4.0/26, ML3.4/6, MS3.4/18, Error ellipse: s-maj=13.1km s-min=11.4km az=35.0 NIED 12 06:07:43.7, 32.71N, 132.29E, h37km, MW4.4, Moment Tensor Solution. s3 Moment tensor: Scale 1015Nm; Mn=-2.68; Mw0.45; Mw2.23; Mw0.33; Mw0.12; Mw2.84; Fault plane solution: Ms3.77000x1015 NPT0.3, 0.00000, 0.20, 0.00000, -1.93, 0.00000. NP20.186, 0.00000, 0.70, 0.00000, -1.89, 0.00000

JMM Marumori 8.66 51 Pn Pn 06 09 48.6 +2.3 JCJ Chichijima 10.21 120 Pn Pn 06 10 07.8 +0.3

NRK Nori'sk 44.38 339 LR LR 06 35 33.5 SPIA Paul Is 45.76 40 LR LR 06 16 01.1 -0.1

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like NJ2, NJ2, NJ2, etc.

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

Table with columns: FITZ, Fitzroy Crossi, 50.87 188 LR, LR, 06 40 14.5, ...

Table with columns: H21K, Melozitna Rive, 54.55 29 P, P, 06 17 07.9 +0.2, ...

Table with columns: K27K, Chicken, 59.29 31 P, P, 06 17 41.9 +0.6, ...

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like OKSP Okmok Steeple, ISLZ Isanotski Laza, ISNN Isanotski Nort, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MTBS 5.0nm,0.3s, MTBS 6.1nm,0.1s, MTBS Maitube, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PB11 IPOC Station P, PB11 IPOC Station P, BBOE La Paz, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ARLS ARLS, MK31 Makanchi Array, MK31 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SIV San Ignacio, NNA Nana, CFA Coronel Fontan, etc.

KRNET 12 06:59:09.0.41, 22N:78.82E, h19km, mb2.9
SOME 12 06:59:10.6, 41.25N, 78.63E, h0km
NNC 12 06:59:12.1, 5.41, 20N:78.56E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=10.1km s-min=6.7km az=174.0

IDC 12 07:03:08.7.1.9, 31.64S:178.54W, h0km, mb3.9/3,
mbmp3.9/4, ML3.5/1, MS3.6/1, Error ellipse: s-maj=48.3km
s-min=32.2km az=57.0
NEIC 12 07:03:20.6.0.6, 31.98S:178.9W:0.2, h87km, 13km,
mb4.3/12, Error ellipse: s-maj=28.9km s-min=4.9km
az=109.0

IDC 12 07:03:16.2.1.1, 31.9S:178.9W:0.2, h50km, n20,
c1508:20, mb4.2/9, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TARG Taragay, PRZ Przeval'sk, KDJ Kajisay, SATY Saty, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BFZ Birch Farm, NIUE Niue, BBOO Bucleokleo, COEN Coen, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PDGK Podgornoye, PKPK Kokpek, MDOK Medeo, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WBO Warramunga Arr, FORT Forrest, JAY Jayapura, FITZ Fitzroy Crossi, etc.

BOOM Boomskeye usch
BOOM BOOM
MTBS Maitube

SJA 12 07:13:27.2.0.7, 19.12S:67.34W, h255km, 8km, ML3.5,
MW3.5
IDC 12 07:13:27.4.1.4, 19.07S:67.16W, h230km, 13km, mb3.1/5,
mbmp3.8/9, Error ellipse: s-maj=30.2km s-min=17.3km
az=60.0
SCB 12 07:13:28.4.1.3, 19.10S:67.27W, h231km, 19km, ML3.7/2,
MW3.7, Error ellipse: s-maj=6.3km s-min=4.1km az=2.0
GUC 12 07:13:29.4.0.6, 19.18S:67.76W, h250km, 12km, ML3.4
ISC 12 07:13:28.0.0.7, 19.10S:67.31W:0.05, h238km, 7km,
n47, c1991/62, mb3.3/5, 1C, Southern Bolivia

IDC 12 07:28:05.7.1.0, 3.89N:74.02W, h0km, mb3.5/6,
mbmp3.8/9, ML3.9/3, MS3.2/5, Error ellipse: s-maj=37.3km
s-min=11.4km az=79.0
NEIC 12 07:28:08.6.2.3, 3.93N:74.04:73.93W:0.07, h10km, 1km,
mb4.5/39, Error ellipse: s-maj=11.8km s-min=6.4km
az=86.0
RSNC 12 07:28:09.0.0.0, 4.1N:1.7AV:1, h2km, 2km, M4.2, mB5.1,
mb5.0, ML4.0, MLV4.7, MW(MB)4.5
ISC 12 07:28:06.8.1.1, 3.94N:0.02:74.01W:0.02, h4km, 8km,
n108, c1962/134, mb4.5/24, Colombia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CVER Cruz Verde, Bogota, CHIC Chingaza, etc.

Table with columns: TMC, Tame, Arauca, 3.32 42 P, Pn, 07 29 02.7 +3.2, etc. Lists various stations and their associated data.

Table with columns: D23K, IAmB, IAmB, 07 40 26.7, etc. Lists stations like Green Lake, Pakihiroa, Te Kaha, etc.

Table with columns: T35A, Sooner Cattle, 0.75 87, Pg, 07 53 17.1 +0.3, etc. Lists stations like Quoy, Quok, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MINT, OHH, SFK, CHDK, TRKS, ARSB, SALK, BXML, EXML, MNAS, AML, ARLS, ARLS, KK31, BRLS, BRLS.

IDC 12 08:13:12.9-4.0, 39:68N:99:01W, hOkm, mbtmp3.0/3, ML3.5/3, Error ellipse: s-maj=51.5km s-min=16.1km

NEIC 12 08:13:19.1-1.9, 39:28N:0:02-99:41W:0.0, 3h5km, 2km, mb_L2.6/80, Error ellipse: s-maj=5.7km s-min=3.0km

ISC 12 08:13:18.7-1.0, 39:30N:0:05-99:45W:0.04, h10km, n58, o095/31, Kansas

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CBKS, R32A, KSU1, BGNE, KSCO, KAN01, etc.

2019 MAY

IDC 12 08:18:35.5-0.6, 15:49N:78:02W, hOkm, mb3.9/17, mbtmp4.1/20, ML3.2/3, MS3.8/26, Error ellipse: s-maj=19.0km s-min=14.1km az=42.0

NEIC 12 08:18:38.2-2.2, 15:48N:0:06-78:15W:0.07, h10km, 1km, mb4.5/175, Error ellipse: s-maj=11.4km s-min=10.4km az=59.0

CATAC 12 08:18:38.7-0.3, 15:12N:77:8W:2, h10km, M5.2/17, mb5.3/17, mb5.5/12, MLV5.7/16, Mw(mB)5.0/12, Error ellipse: s-maj=5.2km s-min=4.1km az=125.1, confirmed

UPA 12 08:18:38.2-5.7, 13:99N:75:53W, h10km, 537km, GCMT 12 08:18:42.0-3.3, 15:48N:0:01-78:16W:0.02, h23km, 1km, MW4.8/95, Moment Tensor Solution, s14.c14: s95.c138, Duration: 0. Moment tensor: Scale 10^16Nm; Mr=0.43; 14; Mw=1.68; 09; Mw=2.11; 11; Mw=0.51; 14; Mw=1.27; 07; Mw=0.50; 14; Best double couple: M2.38400:1016 NP1:0.332.00000:0.673.00000:0.180.00000: NP2: 0.241.00000:0.890.00000:0.17.00000: Principal axes: T 2.6270, Plg12.0000, Azm288.0000: N -0.4910, Plg73.0000, Azm61.0000: P -2.1400, Plg12.0000, Azm195.0000: nstai1 refers to body waves, cutoff=40s. nstai2 refers to surface waves, cutoff=50s. Triangular moment-rate function

UCR 12 08:18:44.9-1.1, 14:60N:78:03W, h20km, 999km, MW4.4 ISC 12 08:18:47.5-0.3, 15:47N:0:03-78:06W:0.04, h10km, n367, s179/298, mb4.5/98, MS3.8/25, 2D, Caribbean Sea

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MCJ, SERC, RNCC, MTDJ, HOJ, STH, PRVC, etc.

12d 8h

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ALCO, RCNP, VPL2, DOMI, SJS3, etc.

12d 8h

Table with columns: Station, Name, Frequency, Class, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like Cooper Cave, Tuckaleechee C, TKL, SWET, U56A, etc.

2019 MAY

Table with columns: Station, Name, Frequency, Class, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like Nelson, Toone Canyon, SMTB, etc.

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Table with columns: Station, Name, Frequency, Class, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like WMQ, Urumqi, WMQ, etc.

NEIC 12 08:27:04.2±0.5, 36.88N±0.01, 97.44W±0.01, h8km, 4km, Error ellipse: s-maj=1.8km s-min=0.7km az=218.0

NEIC 12 08:27:04.2±0.6, 36.88N±0.01, 97.45W±0.01, h5km, 1km, mb, Lg, 3/28, ML2.4/37, ML2.7/54, Error ellipse: s-maj=2.6km s-min=2.0km az=32.0, Oklahoma

Table with columns: Code, Station Name, Azimuth, Elevation, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like KAN13, BLOK, KAN09, etc.

CATAC 12 08:31:01.1±0.3, 15°N±2.7°W±1.1, h22km, M4.2/7, mb4.2/4, ML4.2/7, Error ellipse: s-maj=6.3km s-min=3.9km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, MMR1, MMR2, Iamb, Iamb, 08 55 46.5, NIL, Nilore, 49.85 325, P, P, 09 00 30.9 -0.4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, MMR1, MMR2, Iamb, Iamb, 08 55 46.5, NIL, Nilore, 49.85 325, P, P, 09 00 30.9 -0.4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, MMR1, MMR2, Iamb, Iamb, 08 55 46.5, NIL, Nilore, 49.85 325, P, P, 09 00 30.9 -0.4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, MMR1, MMR2, Iamb, Iamb, 08 55 46.5, NIL, Nilore, 49.85 325, P, P, 09 00 30.9 -0.4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, MMR1, MMR2, Iamb, Iamb, 08 55 46.5, NIL, Nilore, 49.85 325, P, P, 09 00 30.9 -0.4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, MMR1, MMR2, Iamb, Iamb, 08 55 46.5, NIL, Nilore, 49.85 325, P, P, 09 00 30.9 -0.4

MOS 12 08:51:41.0, 0.9, 6.11S, 104.91E, h36km, mb5.1/45, Error ellipse: s-maj=12.1km s-min=5.4km az=114.8

MOS 12 08:51:41.0, 0.9, 6.11S, 104.91E, h36km, mb5.1/45, Error ellipse: s-maj=12.1km s-min=5.4km az=114.8

MOS 12 08:51:41.0, 0.9, 6.11S, 104.91E, h36km, mb5.1/45, Error ellipse: s-maj=12.1km s-min=5.4km az=114.8

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, MMR1, MMR2, Iamb, Iamb, 08 55 46.5, NIL, Nilore, 49.85 325, P, P, 09 00 30.9 -0.4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, MMR1, MMR2, Iamb, Iamb, 08 55 46.5, NIL, Nilore, 49.85 325, P, P, 09 00 30.9 -0.4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, MMR1, MMR2, Iamb, Iamb, 08 55 46.5, NIL, Nilore, 49.85 325, P, P, 09 00 30.9 -0.4

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like DZA, IUG, KKK1, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like BR104, BR131, BR131, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like FAUS, FAUS, STEI, etc.

BUJ 12 08:59:52.6, 19:62'N, 120:95'E, h8km, mb5.3/56, mb4.9/86, ML5.1/5, Ms5.1/91, Ms7.5/187, NEIC 12 08:59:52.3, 19:36'N, 121:09'E, h24km, NEIC 12 08:59:52.3, 19:46'N, 121:09'E, h24km, Moment Tensor Solution, Duration: 2s3 Moment tensor: Scale 10^17Nm; Mm-1.04; Mw-0.16; Mw-0.97; Mw-0.32; Mw-0.48; Mw-0.56; Fault plane solution: Ms1-3.70000x10^17 NP1: q22=41000, d30=67000, l85=63000, NP2: q20=207, 48000, s59=43000, l92=59000, Principal axes: T 1.3038, Plg75.0000; Azm125.0000; N 0.0587, Plg2.0000, Azm26.0000; P -1.3626, Plg14.0000; Azm296.0000; MOS 12 08:59:53.0, 19:30'N, 121:23'E, h39km, mb5.4/74, MS4.9/25 Error ellipse: s-maj=6.7km s-min=3.8km az=109.8, IDC 12 08:59:53.8, 20:19:29'N, 121:27'E, h30km, mb4.8/88, mbmp5.0/43, ML4.6/5, MS4.7/58, Error ellipse: s-maj=12.8km s-min=8.1km az=76.0, DJA 12 08:59:54.0, 6.19'N, 122:12'E, h32km, mb5.2/83, mb5.6/48, mb5.4/83, MLV5.5/5, MW(mB)5.1/48, MW(mw)5.1/12, Mwps5.4/12, GCMT 12 08:59:54.7, 19:13'N, 121:02'E, h101km, h30km, MS4.7/134, Moment Tensor Solution, s121c197; s134c252; Duration: 1s3 Moment tensor: Scale 10^17 Nm; Mw-1.12; Mw-0.11; Mw-1.01; Mw-0.02; Mw-0.70; Mw-0.68; Mw-0.94; Mw-0.94; Best double couple: M1.714000x10^17 NP1: q22=19.00000, d24.00000, l76.00000, NP2: q20=215.00000, s67.00000, l96.00000, Principal axes: T 1.5970, Plg68.0000; Azm137.0000; N 0.2330, Plg6.0000; Azm32.0000; P -1.8310, Plg22.0000; Azm280.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function, NEIC 12 08:59:54.7, 19:13'N, 121:02'E, h101km, h30km, mb5.3/82, Ms 20.4/8166, Mwms5.4/41 Error ellipse: s-maj=10.1km s-min=8.4km az=96.0, ISC 12 08:59:53.7, 0.3, 19:33'N, 121:11'E, h28km, mb5.2/83, mb5.2/83, mb5.2/83, mb5.2/339, MS4.8/174, 48C-32D, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SZP, TWG, TPUB, etc.

Table with columns for station ID (e.g., O18K, P18K), station name (e.g., Koktuh Hills, Big Mountain), time (70.34), location (32), status (P, I), direction (P, I, A), and other values (09 11 04.8 +0.2).

Table with columns for station ID (e.g., G23K, KTH, C24K), station name (e.g., Bananza Creek, Karakum Hill), time (71.98), location (25), status (I, A), direction (I, A), and other values (09 11 23.0).

Table with columns for station ID (e.g., SCM, BMAR, ARCES), station name (e.g., Sheep Creek Mo, Burnt Mountain), time (73.89), location (30), status (P, I), direction (P, I), and other values (09 11 25.1 -0.8).

12d 11h

Table with columns for station name, coordinates, and status. Includes stations like MTN Manton Dam, WMQ Urumqi, FITZ Filzroy Crossi, etc.

2019 MAY

Table with columns for station name, coordinates, and status. Includes stations like STKA Stephens Creek, CMSA Cobar Meteorol, DZM Mont Dzumac, etc.

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Table with columns for station name, coordinates, and status. Includes stations like RES Resolute Bay, JMJC Jan Mayen, VYHS Vyhne, etc.

GCG 12 10:42:55.7±1.5, 13.77°N:92.70°W, h40km±214m, MD4.3

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STG5 El Palmer, Qui, STG8 El Palmer, Qui.

GCG 12 10:02:29.3±2.9, 15.22°N:94.71°W, h72km, 351km, MD4.2

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PCIG Comitan, PCIG Comitan, NILT Santiago Nite.

GCG 12 10:02:31.2±1.6, 14.41°N:100.05:93.20°W, h13km±15km, MD3.1

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like THIG Huatulo, THIG Huatulo, THIG Huatulo, etc.

Table with columns: STG#, Station Name, Time, Res, Pn, S, N, etc. Includes stations like El Palmar, Qui, YOSONDA, Pinotepa, etc.

Table with columns: PDAR, NVAR, YKA, ILAR, WRA, Station Name, Time, Res, P, PKIKP, etc. Includes stations like Pinedale Array, Mila Array Bea, etc.

Table with columns: YKA, FINES, JMJC, NVAR, AKASC, NOA, PDAR, BRTR, TXAR, Station Name, Time, Res, P, etc. Includes stations like Yellowknife Ar, FINESS Array B, etc.

IDC 12 11:31:13.6, 2.0, 30.36'S-178.31'W, h0km, mb4.0/3, mbmp4.0/3, MS3.5/1, Error ellipse: s-maj=55.7km s-min=40.6km az=37.0, Kermadec Islands

NEIC 12 11:51:38.1±1.1, 30.67'N, 0.05:141.83'E, 0.04, h10km, 1km, mb4.4/19, Error ellipse: s-maj=10.4km s-min=2.9km az=142.0

WEL 12 11:53:14.8, 0.8, 33.57°S, 171°9'E, h45km, mb13km, M4.2/18, mb4.7/5, ML4.7/8, MLv4.4/18, Mw(mb)4.0/5, Error ellipse: s-maj=20.8km s-min=8.5km az=103.6, confirmed, South of Kermadec Islands

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

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

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

IDC 12 11:49:27.2, 4.8, 11.71°N, 86.74°W, h0km, mb3.4/5, mbmp3.4/5, Error ellipse: s-maj=127.5km s-min=82.2km az=39.0

NIED 12 11:51:39.2, 0.2, 30.70'N, 1.0x14'2"E, h43km, MV4.7/36, NEAR TORISHIMA IS

WEL 12 11:53:14.8, 0.8, 33.57°S, 171°9'E, h45km, mb13km, M4.2/18, mb4.7/5, ML4.7/8, MLv4.4/18, Mw(mb)4.0/5, Error ellipse: s-maj=20.8km s-min=8.5km az=103.6, confirmed, South of Kermadec Islands

UCR 12 11:49:33.4, 0.7, 11.58°N, 87.16°W, h73km, 34km, MW4.8, CATAc 12 11:49:33.5, 0.5, 12°N, 3.8°W, h27km, 6km, M4.2/37, MLv4.2/37, Error ellipse: s-maj=5.7km s-min=2.9km az=10.2, confirmed

IDC 12 11:51:38.9, 0.5, 30.66°N, 0.05:141.99'E, 0.08, h23km, n69, r159/72, mb4.2/26, MS2.4/4, Southeast of Honshu

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

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like COPN, BC86, BC86, SAPS, etc.

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JAOM, HJJC, HJJC, HJJC, etc.

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WMGZ, WMGZ, HAZ, etc.

12d 13h

CGC 12 12:19:50.6,0.5, 15,00N-92:37W, h79km, 5km, MD3.5, Near coast of Chiapas

IDC 12 12:35:10.5,3.5, 7:34S; 128:58E, h120km, 33km, mb3.8/14, mbtmp3.4/17, Error ellipse: s-maj=30.1km s-min=12.5km

NEIC 12 12:35:15.4,2.1, 7:44S; 0:08h, 128:51E, 0:08h, h163km, 7km, mb4.4/29, Error ellipse: s-maj=12.1km s-min=10.4km

DJA 12 12:35:15.8,0.3, 7:2S; 2:12E, h139km, 17km, M4.5/11, mb4.8/3, mb4.4/8, MLV4.6/11, Mw(mb)4.1/3

ISC 12 12:35:14.0,4.1, 7:41S; 0:05h, 128:56E, 0:05h, h151km, n87, 0:153/90, mb4.3/26, Banda Sea

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

2019 MAY

comp=2.3nm,0.6s,baz=149,slow=6.2,SNR=5.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations AB31 through ILAR.

IDC 12 12:52:45.3,1.2, 5:55:95S; 26:19W, h0km, mb4.0/6, mbtmp3.9/7, ML3.7/1, MS3.3/8, Error ellipse: s-maj=59.1km

NEIC 12 12:52:51.7,0.8, 5:56:1S; 0:1:26:5W; 0:2, h35km, 1km, mb4.5/23, Error ellipse: s-maj=22.3km s-min=16.7km

ISC 12 12:52:50.9,0.5, 5:56:10S; 0:09:26:5W; 0:1, h35km, n51, 0:05834/46, mb4.4/16, MS3.3/7, 5C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations HOPE through ILAR.

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az=130.0, ISC 12 12:55:23.2, 0.6, 58:01S; 0:09:25:6W; 0:1, h35km, n25, 0:1503/25, mb4.4/6, 5C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations HOPE through ILAR.

KRSC 12 13:00:38.1, 1.8, 50:22N; 156:57E, h126km, 16km, M3.7

IDC 12 13:00:00.7, 3.5, 51:45N; 156:60E, h171km, 26km, mb2.9/3, mbtmp3.4/3, MS2.8/1, Error ellipse: s-maj=120.9km

ISC 12 13:00:39.4, 1.4, 50:33N; 0:2:156:3E; 0:2, h130km, 9km, n23, 0:1821/23, mb3.4/3, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations SKR through YKA.

IDC 12 13:13:10.8, 1.4, 28:38S; 61:67E, h0km, mb3.7/4, mbtmp3.7/4, Error ellipse: s-maj=62.4km s-min=32.3km

az=91.0, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations H04N2 through H08S2.

NNC 12 13:27:27.1, 0.5, 49:97N; 78:69E, h0km, mb3.1, mpv2.4, Error ellipse: s-maj=13.6km s-min=2.6km az=80.0,

Suspected Mining explosion

IDC 12 13:27:29.2, 1.1, 50:06N; 78:77E, h0km, mbtmp2.5/2, ML2.0/2, Error ellipse: s-maj=15.2km s-min=6.6km

ISC 12 13:27:28.1, 2.1, 50:06N; 0:08:78E; 0:2, h0km, n16, 0:080/26, 11C-12Z, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists seismic stations KUR07 through KUR14.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURBB, KUR16, KUR17, etc.

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

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

ISK 12 13:39:09.6, 35.49N-29.41E, h5km, ML3.2/29
IDC 12 13:39:09.6, 1.4, 35.61N-29.48E, h0km, mb3.2/2,
mbmp3.3/6, ML3.4/3, MS2.4/1, Error ellipse: s-maj=27.4km
s-min=18.0km az=178.0

IDC 12 14:02:32.3, 5.0, 6.69N-93.31E, h0km, mb3.4/2,
mbmp3.4/3, ML3.6/1, Error ellipse: s-maj=135.5km
s-min=46.2km az=85.0, Nicobar Islands region

IDC 12 14:19:37.5, 1.3, 10.38Sx119.04E, h0km, mb3.7/4,
mbmp3.7/8, ML3.6/4, MS2.7/1, Error ellipse: s-maj=55.0km
s-min=19.5km az=57.0

Main table for station KSL, Kastellorizon, with columns for Code, Station Name, Azimuth, Phase ID, Time, Res.

Main table for station CMAR, Chiang Mai Arr, with columns for Code, Station Name, Azimuth, Phase ID, Time, Res.

Main table for station WBSI, Waikabubak, Su, with columns for Code, Station Name, Azimuth, Phase ID, Time, Res.

Main table for station YAZI, Mula-Dat'sa, with columns for Code, Station Name, Azimuth, Phase ID, Time, Res.

Main table for station PLOR, Plostina, with columns for Code, Station Name, Azimuth, Phase ID, Time, Res.

Main table for station JAGI, Jajag, Banyuwa, with columns for Code, Station Name, Azimuth, Phase ID, Time, Res.

IDC 12 14:35:40.7, 0.9, 2.74N-126.22E, h0km, mb3.6/7,
mbmp3.6/8, ML2.6/1, MS2.8/2, Error ellipse: s-maj=34.7km
s-min=16.0km az=48.0
JMA 12 14:35:40.7, 0.6, 2.77N-126.22E, h25km, MV2.8/1, NW
OFF OKINAWAJIMA IS
ISC 12 14:35:43.8, 0.9, 2.725N-126.03E, h0km, mb3.5km, n17,
c139/19, mb3.5/7, Northwest of Ryukyu Islands

12d 14h

Table with columns for Code, Station Name, Frequency, Power, and other technical details for various stations.

TXNET 12 14:37:24.2,29.2N:0.9,97.5W:0.8,h4km,1km,ML3.4/18, Error ellipse: s-maj=1.5km s-min=0.9km az=142.1, final NEIC 12 14:37:23.9,1.0,29.14N:0.06,97.47W:0.04,h5km,2km, mb_Lg3.170,2C, Error ellipse: s-maj=11.5km s-min=3.1km az=150.0, Central Texas

Main station listing table with columns: Code, Station Name, Frequency, Power, and other technical details.

2019 MAY

Table of station listings for the month of May 2019, including codes and station names.

IDC 12 14:38:46.7,385.0,9.16S,-117.65E,h0km, Error ellipse: s-maj=271.8km s-min=120.3km az=107.0, Sumbawa region

Table of station listings for the IDC region, including codes and station names.

IDC 12 14:46:42.6,2.0,8.29N:53.17E,h0km,mb4,1/23, mbmtP4.1/28,ML4.1/5,MS3.3/15, Error ellipse: s-maj=19.9km s-min=12.4km az=22.0

Table of station listings for the IDC region, including codes and station names.

IDC 12 14:46:46.0,0.3,29.25N:0.003,53.22E,0.03,h16km,n339, e1943/349,mb4.478,MS3.2/13,24C-21D, Southern Iran

Main station listing table for the IDC region, including codes and station names.

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Main station listing table on the right side of the page, including codes and station names.

12d 15h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like FORT Forrest, VANDA Vanda, KNRA Kununurra, etc.

IDC 12 15:00:59.0-0.6, 53.405x23.95E, h0km, mb4.1/12, mbtmp4.1/12, MS3.6/8, Error ellipse: s-maj=24.3km s-min=16.1km az=72.0

NEIC 12 15:01:01.2-0.7, 53.45x23.95E, h10km, mb4.6/17, Error ellipse: s-maj=28.1km s-min=19.8km az=89.0

ISC 12 15:01:01.0-0.6, 53.363x23.95E, h10km, n45, az=91.9, mb4.4/18, MS3.5/8, 3D, South of Africa

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like H04S2 CROZET ISLANDS, H04S3 CROZET ISLANDS, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like AS31 Alice Springs, EIL Elat, WRA Warramunga Arr, etc.

IDC 12 15:19:25.4-1.4, 7.99S:76.03W, h17km, 14km, mb3.5/13, mbtmp3.9/18, Error ellipse: s-maj=19.9km s-min=6.8km az=61.0

NEIC 12 15:19:25.8-1.4, 8.01S:0.07x76.03W, h121km, 7km, mb4.4/54, Error ellipse: s-maj=11.9km s-min=10.2km az=81.0

VAO 12 15:19:28.3-1.9, 7.88S:75.85W, h132km, 8km, mb4.5 ISC 12 15:19:25.6-0.4, 7.99S:0.05x76.03W, h121km, n101, az=75.1, mb4.3/37, Northern Peru

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like ATAH Athalupa, ATAH Atahualpa, CZSB Cruzeiro do Sul, etc.

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Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like TORD Torodi Arr, ESDC Sonseca Array, GSPA South Pole Qui, etc.

IDC 12 15:25:37.8-0.5, 12.04Sx165.47E, h0km, mb4.5/25, mbtmp4.5/27, ML4.5/2, MS3.7/34, Error ellipse: s-maj=16.9km s-min=13.8km az=112.0

MOS 12 15:25:38.8-0.8, 11.78S:165.49E, h10km, mb4.9/13, Error ellipse: s-maj=15.2km s-min=9.6km az=120.4

BUL 12 15:25:40.7, 11.42S:165.48E, h10km, mb5.0/12, mb4.7/43, MS4.7/4

NEIC 12 15:25:40.4-1.6, 11.99S:0.09x165.5E, h10km, mb5.1/240, Error ellipse: s-maj=19.9km s-min=14.7km az=63.0

GCMT 12 15:25:44.0-0.4, 11.97S:0.05x165.03E, h22km, 1km, MV4.9/72, Moment Tensor Solution, s18,c20; s72,c22; Duration: 0 Moment tensor: Scale 1016N; Mr-2.50;22; Mw0.69; 13; Mo0.18; 14; Me-1.06; 23; Mb0.02; 28; Mw1.19; 20; Best double couple: Mb2.6700x1016 Np1.35x10000; s29.0000; A-71.0000; NP2: 1.51x10000; 363.0000; 1.100.0000; Principal axes: P1 2.2800, Plig7.0000, Azm250.0000; N 0.7810, Plig9.0000, Azm157.0000; P -3.0610, Plig70.0000, Azm41.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 12 15:25:39.5-0.3, 12.05S:0.06x165.46E, h10km, n489, az=88/369, mb5.1/158, MS3.7/31, 11C-2D, Santa Cruz Islands

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

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2019 MAY

12d 15h

Table with columns: Station Name, Frequency, Mode, Class, Date, Time, and other metrics. Includes stations like Kununurra, Fitzroy Crossi, Forrest, Papeete, Davao City (W), Tubuai, Kappag, TOLIZ, NWAON, MORWA, JOW, TAOE, MJAR, SBUM, JNU, TPUB, KSM, LEM, RKT, JKA, ASAJ, KRSR, YSS, NJ2, USRK, USA0B, SHEM, PET, PEAOB, PETK, PETK, PETK, VANDA, BNX, KLR, ENH, NIKH, HNS, UNV, HEH, XAN, KMI, POBK, XLT, FALS, SMAI, CMAR, CMAR, CMAR, HHC, HHC, S12K, PZH, PZH, PZH, CHNA, SDPT, CD2, ZEA, BTO, BTO, BTO, BTO, S14K, CHIR, LZH.

Table with columns: Station Name, Frequency, Mode, Class, Date, Time, and other metrics. Includes stations like Seymchan, Mekoryuk, Tigul Point, Pitoukuiwet M, Ungalikthiuk R, Dall Lake, Kuskokwak Cree, Nushagak River, Karluk, Cortact Creek, King Salmon, Angle Harbor, Acha, Bethel, Kwethluk River, Kokwak River B, Kasigik River, Kuka Creek, Kusivik Mount, Kivchak River, Katmal Hardscr, Gambell, Kodiak Island, Kodiak Island, Koliganeg Bris, Nisik Lake, Big Mountain, Ungalik Mount, South Pole Qui, Timor Creek, Cape Douglas, Nushagak Hills, Nushagak Hills, Nushagak Hills, Shuyak Island, Kuktuh Hills, Nuvranan Lak, Wolf Creek Mou, Owhat River, Owhat River, Kila Creek, Oil Pt, Holitna River, Holitna River, Port Alsworth, Port Alsworth, Ulaanbaatar, Ulaanbaatar, Yakutsk, Yakutsk, ILSW, L17K, N19K, SONM, SONM, SONM, HOM, M18K, ANM, J16K, GTA, GTA, K17K, BRBK, BRSE, L18K, BILL, BILL, BILL, TNA, I17K, I17K, J17K, J17K, F14K, M19K, G15K, L19K, L19K.

Table with columns: Station Name, Frequency, Mode, Class, Date, Time, and other metrics. Includes stations like Elim, Captain Cook N, Seward, Skilak Lake, Styx River, Cooper Landing, North Star Dit, Innoko River, Innoko River, Purcell, Koyuk River, Susitna One, Susitna One, Rabbitt Creek A, Rabbitt Creek A, Granite Mounta, Granite Mounta, Montague Islan, Skwentna, Skwentna, Telida, Telida, Kiwalik Mounta, Willow, Poorman, Poorman, Purkypyle, Palmer, Palmer, Honhosa River, Galena City Sc, Knik Glacier, Knik Glacier, Glory Hole Cre, Glacier Island, Chulitna, Port Fidalgo, Novita River, Novita River, Castle Rocks, Castle Rocks, Sawmill, Sawmill, Baldwin Pennin, Cordova Ski Ar, Kayak Island, Tagagawik, Tagagawik, Glacier View, Chum Lake Minchum, Sheep Creek Mo, Roundabout Mou, Kantisna Hill, Divide, Hamilton, Selawik, Thorofare Moun, Thorofare Moun, Klutina, Klutina, Noatak River, Purcell Mounta, Bremer River, Anotlensaga Mo, Lisburne Hills, Bear Paw Mtn, Bear Paw Mtn, Tolsona, Glenn, Reindeer, Tukpahleark C, Shaleukuk Mo, Cirque, MCK, N25K, CRQE, MESA, TGL, H21K, H21K, HARP.

12d 15h

2019 MAY

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Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include MCARA, GRNC, MAW, NEA2, E19K, PAX, F20K, PINM, C18K, G21K, PNL, CTG, LOGN, H22K, I23K, CCB, OQ2D, K24K, SIT, M26K, HDA, O28M, COLA, COLA, S31K, B18K, D19K, F21K, H23K, H23K, RIDG, ILAR, L26K, POKR, P29M, E20K, M27K, M27K, O29M, G22K, YUK8, YBH, YBH, YBH, R31K, YUK3, U33K, S32K, D20K, J25K, SCRK, H24K, H24K, G23K, G23K, F22K, BVCY, AFDM, L27K, L27K, YUK6, V35K, P30M, A19K, L04K, YUK4, R32K, E21K, COLD, WRAK, HYT, J26L, J26L, PRP.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include PRP, B2B, E22K, C21K, G24K, B20K, MPK, H25L, N30M, D22K, O30N, O30N, M29M, B21K, I26K, E23K, G25K, F24K, CBB, U35K, FYU, P32M, J05D, WHY, E24K, E24K, PALK, N31M, L29M, D23K, TOLK, TOLK, T35M, Q32M, I05D, LHV, PINE, I27K, F25K, NVAR, NVAR, PFO, PFO, B22K, G26K, A21K, TIXI, TIXI, P33M, BMAR, A22K, D24K, K29M, K29M, C23K, GRAC, H27K, D05A, E25K, J29N, J29N, I28M, F26K, F26K, N32M, D13C, DLBC, DLBC, R33M, G27K, G27K, C24K, I29M, I29M, D25K, WVOR, TPNV, H29M, H29M.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Rows include I30M, I30M, E27K, BLYC, HAWA, G08A, C26K, G29M, C27K, C27K, V12A, EPYK, MPMY, PRN, D27M, D27M, E28M, E28M, W13A, H31M, G30M, G30M, BMO, WMQ, WMQ, E29M, ELK, F30M, TOAD, D28M, F10A, G31M, SPR3, F31M, KNB, NEW, NEW, SYO, SYO, U15A, INK, INK, MVU, TCUT, DLMT, PV23, MK31, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, PDAR, PDAR, C36M, Y22D, A36M, ANMO, YKA, YKA, YKA, TXAR, TXAR, NRIK, KSH, KSH, ARCES, LPAZ, OBN, OBN, RAYN, RAYN, BOSA, SDV, AKASG, NOA, BRTR, SJG, SJG, CLL, GERES, GERES, GERES, ESDC, ESDC.

12d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Villa Florida, Brasilia, BDFB, LPAZ.

IDC 12 16:21:52.4s.5.8.37.77N.20.92E, h0km, mb3.6/8, mbmp3.6/8, Error ellipse: s-maj=11.5km s-min=30.1km az=26.0

ATH 12 16:21:52.7.3.770N.20.69E, h16km, ML3.2/16, Manual Solution by A.Moschou First location: 2019/05/12 16:22:47, This location: 2021/05/17 08:46:07 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees. Longitude uncertainty: 1 km; Longitude uncertainty: 1 km

ISC 12 16:21:53.4.1.1.37.71N.05.20.76E.0.04, h16km,5km, n35, o672/52, mb3.5/8, Ionian Sea

Main table for 12d 16h section, listing station codes, names, coordinates, and seismic data.

IDC 12 16:27:49.1.1.9.207N.125.27E, h0km, mb3.6/5, mbmp3.6/5, MS3.5/3, Error ellipse: s-maj=130.7km s-min=25.5km az=66.0, Talaud Islands

Table for IDC 12 16:27:49.1.1.9.207N.125.27E, listing station codes and seismic data.

IDC 12 16:28:20.8.0.9.34.65N.136.20E, h351km, 12km, mb2.7/5, mbmp3.6/11, Error ellipse: s-maj=23.3km s-min=15.2km az=68.0

JMA 12 16:28:22.0.1.34.7N.016.136.0E.0.8, h353km, MV2.8/3, NORTHERN MARIANA PREEF

ISC 12 16:28:21.1.0.8.34.82N.0108.136.15E.0108, h354km,6km, n20, o164/30, mb2.8/5, Western Honshu

Table for IDC 12 16:28:20.8.0.9.34.65N.136.20E, listing station codes and seismic data.

2019 MAY

Table for 2019 MAY section, listing station codes, names, coordinates, and seismic data.

SJA 12 16:44:15.2.0.6.21.32S.67.67W, h189km,5km, ML3.8, MW3.8

NEIC 12 16:44:17.9.1.2.21.30S.0:06.67.9W.0:1, h187km,7km, mb4.4/16, ML3.9(GUC), Error ellipse: s-maj=15.7km s-min=8.9km az=88.0

SCB 12 16:44:17.9.1.2.21.27S.67.67W, h148km,16km, ML3.9/3, MW3.7, Error ellipse: s-m=7.0km s-min=4.8km az=83.0

GUC 12 16:44:18.2.0.7.21.30S.67.83W, h183km,4km, ML3.9

IDC 12 16:44:18.4.1.7.21.13S.67.33W, h179km,16km, mb3.7/7, mbmp4.1/12, Error ellipse: s-maj=18.1km s-min=13.2km az=75.0

VAO 12 16:44:18.1.0.9.21.10S.67.48W, h173km,8km, mb3.9

ISC 12 16:44:16.6.0.6.21.31S.0:03.67.69W.0:03, h173km,5km, n124, o193/154, mb4.2/13, 6C-2D, Chile-Holivia border region

Main table for 2019 MAY section, listing station codes, names, coordinates, and seismic data.

IDC 12 16:48:09.4.39.73N.75.90E, h5km, NNC 12 16:48:16.1.1.9.40.04N.75.73E, h0km, mb4.1, mpv3.7, Error ellipse: s-maj=14.4km s-min=10.1km az=153.0

KRNET 12 16:48:19.0.0.1.40.03N.75.65E, h18km, mb3.8

ISC 12 16:48:18.2.1.4.40.12N.0:05.75.66E.0:03, h7km, n11km, n64, o179/100, 38C-14D, Kyrgyzstan-Xinjiang border region

Main table for IDC 12 16:48:09.4.39.73N.75.90E, listing station codes and seismic data.

614

Main table for 614 section, listing station codes, names, coordinates, and seismic data.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Rows include stations like Karagaybulak, Bishkek, Tokmak 2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Rows include stations like Lakatoro, Devils Point, Isangal, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Rows include stations like Kundal, Simla, Simigan, etc.

12d 18h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like AAA Alma-Ata, MDOK Medeo, SATY Saty, etc.

2019 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like OBN, OBN, TIRN Tirgusor, TPGR Topolog, etc.

616

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KDAX Kodiak Island, YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Includes stations like PET, ESQ, RUS, GNL, KMR, KMR, MTRV, GRL, ASAK, KDR, KDR.

TXNET 12 18:35:37.9, 9.1312N, 0.71036W, 0.6h5km, 1km, ML2.0/7, Error ellipse: s-maj=1.2km s-min=0.8km az=27.1, final, Western Texas

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Includes stations like TPB03, PCOS, TPB10, TPB04, TPB04, TPB06, TPB05, TPB05, TPB08, TPB08, TPB11, ALPN, ALPN, ODSA, ODSA, TMB02, TMB02, VHRN, VHRN, TMB01, TMB01, MINTX, MINTX, TMB04, TMB04, TMB06, TMB06, SAND, SAND, TX31, TX31, OZNA, OZNA, SGCV, Sterling City.

IDC 12 18:45:46.8, 1.0, 1.02S, 13.011W, h0km, mb3.8/9, mbmp3.8/10, ML3.2/1, MS3.9/27, Error ellipse: s-maj=36.7km s-min=20.4km az=116.0

GCMT 12 18:45:53.0, 0.2, 0.78S, 0.01, 13.46W, 0.1, h16km, 1km, MW5.0/108, Moment Tensor Solution. s44, c56; s108, c162; Duration: 0 Moment tensor: Scale 10^16Nm; Mxx=0.24, Myy=1.54, Mzz=1.30, Mxy=0.79, Mxz=2.72, Myz=1.69, 35; Best double couple: M3.57400x10^16 Np1.75.000000, s59.000000, 1.719.000000, NP2.166.000000, s89.000000, 1.31.000000, Principal axes: T 3.8040, P1g22.0000, Azm35.0000, -0.4670, P1g59.0000, Azm167.0000; P -3.3430, P1g21.0000, Azm296.0000; nst1 refers to body waves, cutoff=0.6, nst2 refers to surface waves, cutoff=5.0 Surface wave location Triangular moment-rate function

ISC 12 18:45:48.3, 0.9, 1.1S, 0.2, 13.1W, 0.2, h11km, n39, c193/11, mb3.9/9, MS3.9/26, North of Ascension Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Includes stations like H10N2, H10N3, H10N1, H10S3, H10S2, DBIC, DBIC, DBIC, TORO, TORO, MDT, TSUM, BDFB, MDP, ESDC, KEST, LSZ, LBT, LBT, BOSA, BOSA, VAE, CPUP, IDI, DAVOX, GERES, EIL, VRAC, EKA, MMAI, ASF, MLR, BRTR, BRTR, AKASG, HFS.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Includes stations like HFS, NOA, KVAR, KBZ, KBZ, FINES, KIRV, GSPA, ASAR, WRA.

IDC 12 18:47:17.2, 2.2, 32.02S, 177.94W, h0km, mb3.5/3, mbmp3.6/4, ML3.2/1, Error ellipse: s-maj=51.2km s-min=38.2km az=60.0, South of Kermadec Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Includes stations like URZ, URZ, ASAR, WRA, GSPA, FINES.

NOU 12 18:50:52.0, 1.6, 22.2S, 167.04E, h23km, MLv4.6/14, Vanuatu Islands

IDC 12 18:50:54.3, 1.8, 16.54S, 166.22E, h0km, mb3.8/3, mbmp4.1/5, ML4.4/2, Error ellipse: s-maj=38.2km s-min=27.5km az=91.0

ISC 12 18:50:51.3, 1.1, 16.21S, 167.167E, 0.079, h27km, n15, c1847/15, mb3.6/3, Vanuatu Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Includes stations like VLAKA, DVP, KOUNC, KOUNC, YATM, DZM, DZM.

IDC 12 18:55:32.3, 1.4, 0.43N, 124.55E, h0km, mb3.0/4, mbmp3.2/5, ML3.2/1, Error ellipse: s-maj=149.5km s-min=21.8km az=62.0

DJA 12 18:55:45.4, 0.3, 0.3S, 12.4E, h52km, 12km, M4.0/12, mb4.5/1, MLV3.7/12

ISC 12 18:55:44.3, 0.9, 0.10S, 0.06, 124.03E, 0.05, h100km, n14, c2011/18, mb3.4/5, Southeast of Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Includes stations like WRA, ASAR, ILAR, KMSI, KMSI, LUWI, LUWI, MRSI, APSI, SANI, SANI, TMTI, MPSI, NLAI, TTSI, FITZ, WRA, ASAR, MKAR, MKURB.

IDC 12 19:01:42.8, 2.2, 29.35N, 140.91E, h57km, 33km, mb3.2/5, mbmp3.5/8, ML3.0/3, MS2.5/1, Error ellipse: s-maj=96.8km s-min=12.3km az=70.0

ISC 12 19:01:42.9, 1.1, 29.59N, 0.2, 141.2E, 0.5, h67km, n15, c2900/10, mb3.4/5, Southeast of Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Includes stations like JCJ, JCJ, JHJ, JHJ, JHJ, MJAR, JOW, H1N2, H1N1, H1N3, H1N3, H1S1.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Includes stations like H1S2, WRA, KURBB, ASAR, ARCES, BRTR.

GCG 12 19:16:42.1, 2.3, 31.15N, 89.73W, h29km, 22km, MD3.6 SNET 12 19:16:44.7, 1.0, 13.30N, 89.68W, h46km, 8km, ML3.1

ISC 12 19:16:45.3, 1.9, 13.34N, 0.09, 89.60W, 0.06, h15km, 10km, n27, c079/40, El Salvador

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Includes stations like LALI, LALI, LALI, JAYA, JAYA, JAYA, PMON, PMON, CEVE, CEVE, BOQS, SBLS, UEES, UEES, LOMA, LOMA, PIC2, RTR, UDBS, UDBS, NUBE, NUBE, NUBE, LFRS, LFRS, SLOZ, COEG, TECO, TECO, MTO3, MTO3, PACA, LCY, LCY, RANC, RANC, RANC, FG16.

JMA 12 19:24:35.9, 0.2, 30.0N, 12.14E, h435km, MV3.4/17, NEAR TORISHIMA IS

IDC 12 19:24:39.0, 15.0, 3.0, 22N, 139.19E, h409km, 78km, mb3.0/7, mbmp3.7/9, Error ellipse: s-maj=211.8km s-min=54.5km az=171.0

ISC 12 19:24:36.4, 0.9, 30.09N, 0.08, 139.3E, 0.1, h388km, n17, c1970/22, mb3.3/7, Southeast of Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Time, Res. Includes stations like JHJ2, CBJ, CBJ, BSO1, BSO3, JOD2, JRY, JAG, JAG, JAR, JAR, JHO, JHO, KRSR, SONM, MKAR, MKURB, BVAR, FINES, HFS, BRTR.

MOS 12 19:24:46.9, 1.1, 8.58N, 82.88W, h11km, mb5.9/33, MS5.7/26, Error ellipse: s-maj=7.8km s-min=5.5km az=107.7

IDC 12 19:24:46.7, 0.4, 8.59N, 82.80W, h0km, mb5.1/25, mbmp5.1/29, ML4.9/3, MS5.6/47, Error ellipse: s-maj=12.7km s-min=10.3km az=53.0

UCR 12 19:24:48.8, 1.1, 8.45N, 82.84W, h24km, 1km, MW6.0, Fault plane solution: NP1.261.000000, s85.790000, 1.24.670000

UPA 12 19:24:49.2, 1.1, 8.52N, 82.83W, h18km, 1km, MW6.0, Fault plane solution: NP1.105.200000, s85.030000, 1.3.360000

NEIC 12 19:24:50.3, 8.41N, 82.73W, h24km, Moment Tensor Solution. Duration: 51 Moment tensor: Scale 10^18Nm; Mxx=0.17, Myy=0.31, Mzz=0.14, Mxy=0.05, Mxz=0.26; Myz=0.02; Fault plane solution: M61.29000x1018 NP1: 0.94.980000, s87.190000, 1.2.840000; Principal axes: T 1.3661, P1g0.0000, Azm140.0000; N -1.1603, P1g85.0000, Azm230.0000; P -1.2057, P1g4.0000, Azm50.0000

CATAC 12 19:24:50.8, 0.3, 9.2N, 8.3W, h11km, 1km, M6.0/44, mb6.4/34, mb5.5/35, ML6.3/44, Mw(m)6.3/35, Mw(m)5.2/28, Mw(m)5.7/28 Error ellipse: s-maj=4.7km s-min=3.3km az=5.0, confirmed

PPT 12 19:24:50.0, 0.1, 8.55N, 82.77W, h10km, mb5.7/85, MLv6.3/6, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

NEIC 12 19:24:50.3, 8.61N, 82.83W, h24km

NEIC 12 19:24:50.4, 2.2, 8.63N, 0.02, 83W, 0.05, h19km, 1km, mb5.8/745, Ms 2.0, 5.7874, Mw(m)6.0/82, Mw(m)6.0/21, Mw(m)6.0/75, Error ellipse: s-maj=8.1km s-min=7.1km az=105.0, Moment Tensor Solution. Moment tensor: Scale 10^18Nm; Mxx=0.12, Myy=0.36, Mzz=0.24, Mxy=0.11; Mxz=0.17, Myz=0.10; Fault plane solution: M61.30000x1018 NP1: 0.94.980000, s87.190000, 1.2.840000

NP1.188.230000, s83.060000, 1.174.460000; NP2: 0.97.560000, s84.500000, 1.6.970000; Principal axes: T

1.1732, Plg1.0000°, Azm143.0000°; N -0.0990, Plg1.0000°, Azm239.0000°; P -1.0742, Plg9.0000°, Azm53.0000°; Moment Tensor Solution. Moment tensor: Scale 1018 Nm; Mr0.06; Mw0.17; Mw0.02; Mw0.06; Mw0.108; Mw0.21; Fault plane solution: M1.120000°/1018 NP1.004.77000°, 887.250000°, 168.720000°. NP2: 0.95.320000°, 878.730000°, 12.810000°. Principal axes: T 1.0990, Plg10.0000°, Azm320.0000°; N 0.0370, Plg78.0000°, Azm171.0000°; P -1.1360, Plg6.0000°, Azm51.0000°.

OSUNB 12 19:24:51.50.4.0, 8.52N, 82.73W, h25km, 2km, mb5.7/55 Error ellipse: s-min=3.3km s-max=3.4km az=0.0

NEIC 12 19:24:52.2, 8.67N, 82.77W, h32km NEIC 12 19:24:52.2, 8.67N, 82.77W, h32km

IPGP 12 19:24:52.0, 8.69N, 82.77W, h19km, Mw6.0, Fault plane solution: NP1.00.96.00000°, 872.00000°, 14.00000°. NP2.00.7.00000°, 886.00000°, 162.00000°.

GCMT 12 19:24:53.4.0.1, 8.52N, 82.87W, h23km, Mw6.1/166, Moment Tensor Solution. s153.c333; s166.c588; Duration: 2.6 Moment tensor: Scale 1018Nm; Mr0.03.01; Mw0.22.01; Mw0.24.01; Mw0.12.01; Mw0.19.01; Mw0.20.01; Best double couple: Mw1.52600°/1018 NP1.00.96.00000°, 882.00000°, 14.00000°. NP2.00.4.00000°, 886.00000°, 172.00000°.

Principal axes: T 5.2520, Plg8.0000°; N 0.0030, Plg81.0000°; P -1.5280, Plg3.0000°, Azm50.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

BGR 12 19:24:58.9, 8.69N, 81.83W, h30km, mb5.2, Mw6.0

SNET 12 19:25:00.7.0.7, 8.32N, 83.87W, h40km, mb5.999km, ML6.2

ISC 12 19:24:50.0.0.3, 8.50N, 0.02.82.85W, 0.01, h19km, 1km, h2km, p-P, n2155, e173/1915, mb5.7/444, MS9.75/17, 176C-70D, Panama-Costa Ricas border region

Table with columns: Code, Station Name, Δ, Az, Op, ISC, Time, Res. Lists various seismic stations and their coordinates.

Table with columns: Pn, P, S, Sn. Lists seismic events with their respective phases and arrival times.

Table with columns: S, Sn. Lists seismic events with their respective phases and arrival times.

Table with columns: S, Sn. Lists seismic events with their respective phases and arrival times.

619 2019 MAY 12d 19h

Table containing station call signs (e.g., JAYA, CEVE, SBL), times, and other data for various stations in the left column.

Table containing station call signs (e.g., AOPR, CELP, IGPR, SJG) and other data for various stations in the middle column.

Table containing station call signs (e.g., FW07, U56A, HBAR, WVT) and other data for various stations in the right column.

Table with columns for station ID, name, comp, Z, speed, direction, and date. Rows include stations like PS2A, G001, MCWCW, etc.

Table with columns for station ID, name, comp, Z, speed, direction, and date. Rows include stations like MMNV, K43A, UCCT, etc.

Table with columns for station ID, name, comp, Z, speed, direction, and date. Rows include stations like PV23, G62A, AC04, etc.

Table with columns: DLBC, S, S, 19 43 28.6 +3.8, etc. Includes entries like Dease Lake, Whale Pass, Telegraph Cree, etc.

Table with columns: HYT, comp=Z,93nm,1.5s, IAMS_20, IAMS_20, 20 07 50.2, etc. Includes entries like Haines Junctio, Aishkik Lake, Mount Kennedy, etc.

Table with columns: VAH, comp=Z,12um,39.0s, eLR, LR, 19 56 30.3, etc. Includes entries like Thule, Edge Creek, Aoh Zraii Nji, etc.

12d 19h

Table with columns for station ID, name, coordinates, and various data points. Includes stations like VPAQ, PVAQ, PVIS, PPLA, E24K, etc.

2019 MAY

Table with columns for station ID, name, coordinates, and various data points. Includes stations like P18K, P18K, P18K, MVO, C24K, etc.

624

Table with columns for station ID, name, coordinates, and various data points. Includes stations like L18K, P16K, P16K, DSB, M17K, etc.

625

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like H18K, J17K, F19K, etc.

2019 MAY

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like C18K, E17K, G16K, etc.

12d 19h

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like NB2, NB2, NOA, etc.

Table with columns: Code, Station Name, Δ, AZ, Phase, ID, Time, Res, ISC. Rows include BLDU, HMDM, MDRS, CHTO, CHTO, NONG, KOD, CM31, CMAR, LUWI, TRD, MYLDM, MYLMA, KKM, NAYO, KAPI, SBUM, KSM, KULM, KYMKO, PSI, GSI.

Table with columns: J25K, J25K, G24K, G24K, J29N, SCRCR, SCRCR, SCRCR, G30M, G30M, G30M, E25K, H24K, H24K, I30M, I30M, I30M, ILAR, POKR, POKR, POKR, E28M, E28M, E28M, DOT, DOT, E29M, E29M, E29M, F24K, F24K, F24K, HDA, COLA, COLA, F30M, F30M, K24K, K24K, CCB, CCB, K29M, K29M, K29M, WRH, WRH, WRH, L27K, H31M, H31M, H31M, D27M, D27M, H23K, H23K, H23K, G31M, G31M, L26K, L26K, E24K, E24K, I23K, I23K, I23K, G23K, G23K, NEA2, NEA2, NEA2, D28M, D28M, L29M, L29M, COLD, COLD, COLD, F31M, F31M, F31M, PAX, PAX, PAX, C27K, C27K, E23K, E23K, D25K, D25K, D25K, D25K, BVCY.

Table with columns: M26K, M26K, M26K, M27K, M27K, M27K, MCK, MCK, MCK, MCK, TOLK, TOLK, TOLK, TOLK, H22K, H22K, INK, G22K, G22K, C26K, C26K, C26K, D24K, D24K, D24K, D24K, M29M, M29M, M29M, HARP, HARP, HARP, RND, RND, RND, F22K, F22K, WACK, E22K, E22K, E22K, BPAW, BPAW, BPAW, BPAW, D23K, D23K, D23K, C24K, C24K, YUK3, M24K, M24K, M24K, TRF, TRF, TRF, H21K, H21K, H21K, KTH, KTH, KTH, G21K, G21K, N25K, N25K, N25K, F21K, F21K, F21K, F21K, MCARA, MCARA, C23K, C23K, C23K, CHUM, YUK6, PTPK, KLU, KLU, KLU, YUK4, CAST, CAST, CAST, N30M, N30M, N30M, N30M, N30M, SML, SML, CTG, CTG, BMRM, BMRM, YUK5, H20K, H20K, H20K, I20K, I20K, I20K, O28M, O28M, O28M, YUK6.

ANF 12 19:26:59.0±0.2, 66°14N±.141°90W, h4km±2km, ML3.8/0, Error ellipse: s-maj=1.1km s-min=1.0km az=50.0
AEIC 12 19:26:59.2±1.5, 66°14N±.141°89W, 0.04, h6km±5km, ML3.4, ML3.5/152(NEIC), Error ellipse: s-maj=2.7km s-min=0.7km az=97.0
NEIC 12 19:26:59.4±1.5, 66°16N±.01±.141°92W±0.04, h10km±5km, Error ellipse: s-maj=3.0km s-min=0.9km az=52.0
ISC 12 19:26:59.0±1.0, 66°16N±.02±.141°91W±0.02, h7km±6km, I262, I262/255, Northern Alaska

Table with columns: Code, Station Name, Δ, AZ, Phase, ID, Time, Res, ISC. Rows include H27K, H27K, H27K, I27K, I27K, I27K, I27K, G27K, G27K, G27K, G27K, I26K, I26K, I26K, I26K, I26K, I28M, I28M, I28M, I28M, G26K, G26K, G26K, G26K, FYU, FYU, FYU, H29M, H29M, H29M, H29M, H25L, H25L, H25L, PRP, PRP, PRP, BMAR, I29M, I29M, I29M, G29M, G29M, G29M, G29M, F26K, F26K, F26K, G25K, G25K, G25K, J26L, J26L, J26L, E27K, E27K, F25K, F25K, F25K, F25K, EPYK, EPYK.

Table with columns: H24K, H24K, H24K, H24K, F30M, F30M, K24K, K24K, CCB, CCB, K29M, K29M, K29M, WRH, WRH, WRH, L27K, H31M, H31M, H31M, D27M, D27M, H23K, H23K, H23K, G31M, G31M, L26K, L26K, E24K, E24K, I23K, I23K, I23K, G23K, G23K, NEA2, NEA2, NEA2, D28M, D28M, L29M, L29M, COLD, COLD, COLD, F31M, F31M, F31M, PAX, PAX, PAX, C27K, C27K, E23K, E23K, D25K, D25K, D25K, D25K, BVCY.

Table with columns: M29M, M29M, M29M, HARP, HARP, HARP, RND, RND, RND, F22K, F22K, WACK, E22K, E22K, E22K, BPAW, BPAW, BPAW, BPAW, D23K, D23K, D23K, C24K, C24K, YUK3, M24K, M24K, M24K, TRF, TRF, TRF, H21K, H21K, H21K, KTH, KTH, KTH, G21K, G21K, N25K, N25K, N25K, F21K, F21K, F21K, F21K, MCARA, MCARA, C23K, C23K, C23K, CHUM, YUK6, PTPK, KLU, KLU, KLU, YUK4, CAST, CAST, CAST, N30M, N30M, N30M, N30M, N30M, SML, SML, CTG, CTG, BMRM, BMRM, YUK5, H20K, H20K, H20K, I20K, I20K, I20K, O28M, O28M, O28M, YUK6.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YUK6, PPLA, J20K, etc.

UCR 12 19:30:30.4, 0.8, 8.45N, 82.84W, h19km, 2km, MW3.9
UPA 12 19:30:31.9, 1.1, 8.52N, 82.73W, h5km, 5km, MW3.4, Fault
plane orientation: N19E, 140.00000, 648.00000,
1.98 00000

ISC 12 19:30:36.1, 0.8, 8.48N, 82.84W, 0.03, h26km, 5km,
n62, c150179, 14C-23D, Panama-Costa Rica border
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LESP3, SC2R0, etc.

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

SJA 12 19:35:28.7, 0.8, 24.13S, 66.92W, h214km, 8km, ML3.9,
MW3.7

GUC 12 19:35:29.9, 0.7, 24.19S, 66.94W, h206km, 10km, ML4.1
ISC 12 19:35:31.5, 1.2, 24.05S, 0.05, 67.00W, 0.04, h181km, n22,
c120/35, 1C-2D, Salta Province

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

IDC 12 19:50:20.5, 3.5, 21.22N, 144.26E, h54km, 30km, mb3.6/16,
mbmp3.9/18, ML3.0/2, Error ellipse: s-maj=26.6km
s-min=15.6km az=88.0

ISC 12 19:50:18.2, 0.8, 21.22N, 0.1, 144.32E, 0.2, h35km, n24,
c1506/19, mb3.9/16, Mariana Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JCCJ, MJAR, H1N1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KBZ, FINES, PDAR.

IDC 12 19:55:52.2, 4.3, 54.73N, 161.91E, h0km, mb3.7/3,
mbmp3.7/4, ML2.9/1, Error ellipse: s-maj=117.8km
s-min=25.6km az=122.0

KRSC 12 19:55:55.2, 1.0, 54.32N, 162.09E, h31km, 10km, M14.0
ISC 12 19:55:56.8, 1.1, 54.34N, 162.03E, 0.05, h32km, 8km,
n44, c197150, mb4.1/3, Near east coast of Kamchatka

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

NOU 12 19:57:42.7, 33.17S, 139.01E, h0km, MLv3.4/15, Near
Coast of South Australia

AUST 12 19:57:43.0, 0.2, 33.17S, 139.01E, h10km, mb3.5/4,
ML2.7/12, Error ellipse: s-maj=4.9km s-min=3.5km
az=59.8

IDC 12 19:57:46.2, 5.1, 32.54S, 138.97E, h0km, mbmp3.1/4,
ML2.7/4, Error ellipse: s-maj=71.8km s-min=18.6km
az=6.0

ISC 12 19:57:42.3, 0.8, 33.22S, 0.03, 138.99E, 0.04, h10km, n35,
c1523/39, Near coast of South Australia

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

UCR 12 20:11:51.0.8, 8.39N, 82.84W, h20km, 2km, MW3.9
UPA 12 20:11:52.9.1.4, 8.47N, 82.72W, h12km, 3km, MW3.8,
Fault plane solution: NP1, phi=139.00000°, delta=5.00000°,
lambda=78.00000°

ISC 12 20:11:50.8-1.0, 8.43N, 0.04:82.80W, 0.03, h28km, 6km,
n74, c0983/95, 11C-3ZD, Panama-Costa Rica border
region

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res. Lists stations like LESP3, SCZRO, NELY, etc.

KRSC 12 20:17:45.0-1.3, 5.042N, 157.03E, h108km, 15km, M14.1,
Kuril Islands

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res. Lists stations like SKR, PAU, KDR, etc.

UCR 12 20:18:22.6-0.8, 8.38N, 82.85W, h19km, 3km, MW3.7
UPA 12 20:18:24.2-1.0, 8.47N, 82.75W, h12km, 3km, MW3.9,
Fault plane solution: NP1, phi=141.00000°, delta=5.00000°,
lambda=79.00000°

ISC 12 20:18:22.6-1.2, 8.39N, 0.04:82.84W, 0.03, h19km, 2km,
n67, c0964/80, 2C-23D, Panama-Costa Rica border
region

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res. Lists stations like LESP3, SCZRO, NELY, etc.

Main table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res. Lists stations like MLIR3, PEDE3, CLLRA, etc.

IDC 12 20:31:05.3-0.9, 2.02N, 126.58E, h0km, mb3.6/8,
mbtmp3.7/8, Error ellipse: s-maj=58.7km s-min=16.9km
bz=74.0,
DJA 12 20:31:09.7-0.3, 2.1N, 127.7E, h10km, M4.0/11, mbB4.8/2,
mb4.4/3, MLV3.8/11, Mw(MB)4.0/2

ISC 12 20:31:11.0-0.8, 2.13N, 0.06:126.86E, 0.09, h35km, n15,
c160/17, mb3.7/7, Northern Molucca Sea

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res. Lists stations like TNTI, SGSI, KMSI, etc.

IDC 12 21:08:27.6-0.7, 12.00S, 165.35E, h0km, mb4.4/15,
mbtmp4.4/17, ML4, 1/2, MS4.2/1, Error ellipse:
s-maj=23.5km s-min=16.7km az=128.0,
BUJ 12 21:08:28.4, 11.84S, 165.68E, h12km, mb5.2/6, mb4.6/29,
Ms5.0/2, Ms7.4/72

NEIC 12 21:08:30.4-1.1, 11.9S, 0.2:165.4E, 0.1, h10km, 2km,
mb4.9/123, Error ellipse: s-maj=26.4km s-min=19.3km
az=190.0

ISC 12 21:08:29.9-0.5, 12.04S, 0.08:165.38E, 0.08, h10km, n406,
c072/380, mb4.9/85, 3C-3D, Santa Cruz Islands

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res. Lists stations like HNR, DZM, STKA, etc.

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time, Res. Lists stations like FITZ, NJ2, SHEM, etc.

Table with columns for station ID, name, elevation, frequency, polarization, and signal strength. Includes stations like ANM, J16K, K17K, L18K, BRSE, TNA, I17K, J17K, J17K, F14K, M19K, G15K, L19K, H16K, CAPN, SEW, M20K, F15K, J18K, L20K, G16K, RCUA, H17K, P23K, SKT, PWL, K20K, G17K, J19K, PPLA, H18K, GCSA, KNK, GLI, J20K, CAST, SML, F17K, EYAK, KAIM, G18K, M23K, CHUM, I20K, SCM, H19K, KTH, E17K, DIV, TRF, KLU, BGCL, G19K, G19K, BMRM, H20K, C16K, BPWA, M24K, RND, E18K, WAX, F19K, CROM, MCK, N25K, CRQE, MESA, BWN, H21K, H21K, HARP, MCARA, NEA2, NEA2, E19K, PAX, F20K, F20K, PINM, C18K, C18K, G21K, WRH, PNL, CTG, CTGM, I23K, CCB, M26K, M26K, HDA, HDA, O28M, COLA, S31K, MENT, B18K, D19K, F21K, F21K, H23K, H23K, RIDG, RIDG, IL31, IL31, ILAR, ILAR, L26K, L26K, POKR, E20K, P29M, M27K, M27K, O29M, O29M, DOT, G22K, YUK8, YUK3, YBH, R31K, U33K, S32K, D20K, J25K, J25K, SCRK, SCRK, H24K, G23K, G23K, F22K, BVCY, L27K, L27K, V35K, A19K, P30M, YUK4, E21K, R32K, COLD, WRAK, HYT, J26L, J26L, J26L, PRP, SKAG, E22K, E22K, K27K, C21K, G24K, G24K, B20K, B20K, H25L, D22K, D22K, D22K, O30N, O30N, M29M, B21K, B21K, I26K, I26K, E23K, E23K, E23K, G25K, F24K, F24K, F24K, U35K, P32M, E24K, E24K, WHY, N31M, D23K, D23K, L29M, L29M, PAHR, TOLK, TOLK, Q32M, I27K, RYN, RYN, F25K, F25K, F25K, B22K, B22K, B22K, NVAR, G26K, G26K, B22K, B22K, P33M, A22K, D24K, D24K, D24K, K29M, C23K, C23K, H27K, H27K, E25K, E25K, E25K, I28M, I28M, F26K, F26K, N32M, N32M, M31M, DLBC, R33M, G27K, G27K, C24K, C24K

12d 21h

2019 MAY

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like Oglivie Camp, Kavik River, Mount Dempster, etc.

Table with columns: MDP, H05S1, GDSD, MAL2, BOAV, etc. Includes stations like Montagnes des, Guadeloupe/Mar, Monte Alegre, etc.

Table with columns: X34A, EKA, KAN14, BRDY, HND0, etc. Includes stations like Smith Ranch, Eskdalemyr Ar, Manchester Ok, etc.

IDC 12 21:11:36.5-0.5, 14:92Nk-45:12W, h0km, mb4.2/26, mbtmp4.2/27, ML4.0/1, MS3.8/11, Error ellipse: s-maj=15.2km s-min=13.1km az=140.0, NEIC 12 21:11:39.3-1.5, 14:87Nk.010-45.04W:0.10, h10km, 1km, mb4.9/209, Error ellipse: s-maj=17.1km s-min=15.5km az=136.0, INMG 12 21:11:43.0-7.9, 14:75Nk-45:31W, h10km, M4.7, mb4.8, #DIST. RANGE: DISTANT, ISC 12 21:11:39.7-0.7, 14:88Nk.06:45:07W:0.06, h15km, 4km, h15km: pP-P, n282, of89/222, mb4.7/138, MS3.9/10, 20C-16D, Northern Mid-Atlantic Ridge, Code Station Name Az El P M Time Res Op ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like Baker Lake, DUNE, VRAC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like Kaudwau, Khabaz, GURO, etc.

IDC 12.21:17.13.8:2.3.5:77S:151.24'E, h49km, 19km, mb3.8/15, mb2p4.1/16, ML3.1/1, Error ellipse: s-maj=26.1km s-min=14.9km az=90.0 NEIC 12.21:17.14.1:1.3.5:84S:0:08.151.09'E:0:09, h35km, 1km, mb5.0/53, Error ellipse: s-maj=18.0km s-min=10.7km bz=126

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like Keravat, Rabl, Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like Soe, Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like TPUB, SSSL, Suanglung, etc.

KRSC 12.21:20.27.3:0.7.53:83N:160.48'E, h121km, 7km, M4.1 MOS 12.21:20.28.0:2.6.53:88N:160.29'E, h127km, mb3.7/4, Error ellipse: s-maj=13.4km s-min=5.0km az=76.5 NEIC 12.21:20.29.7:1.3.54:2N:0.2:159.8E:0:2, h113km, 14km, mb4.1/25, Error ellipse: s-maj=27.4km s-min=12.9km bz=152.0

IDC 12.21:21.31.8:1.6.53:87N:159.66'E, h154km, 23km, mb3.4/11, mbtpt3.9/12, MS3.4/1, Error ellipse: s-maj=48.7km s-min=26.0km az=2.0

ISC 12.21:20.28.0:6.53:86N:160.33E:0:04, h123km, 5km, n133, s181/164, mb4.0/25, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, I, S, C. Includes stations like Karymskiy, Mys Shipunski, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include AVH Avacha, KOK Koryaka, DALK Dainy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include KURBB Kurchatov Arra, MK31 Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include BHB comp=E,72um,0.9s, BHB comp=N,69um,0.2s, MBDF Montbardon, etc.

Table with columns: HFS, Hagsfors, 143.47, 349, PKP, PKPab, 22 15 46.8 -0.6, comp=2.2, 4nm, 0.4s, baz=72, slow=4.8, SNR=31

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, n464, r1973/519, mb3.9/22, MS3.7/28, 45C-38D, Turkey

Table with columns: ALN, Alexandroupoli, 2.12, 318, P, Pn, 22 24 45.2 +0.5

UCR 12:22:16:33.6-1.0, 8.49N-82.84W, h19km, 2km, MW4.1
UPA 12:22:16:34.1-1.3, 8.52N-82.79W, h13km, 2km, MW4.2

ISC 12:22:16:33.6-0.8, 8.51N-82.83W, 0.02, h20km, 5km, n86, r092/11, 14C-35D, Panama-Costa Rica border region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, LPPC, Paso Canoas, 0.03, 333f, eP, 22 16 37.1 0.0

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, SOMA, Soma-Manisa, 0.35, 240, Pg, 22 24 15.8 -1.2

Main station list table with columns: ALN, Alexandroupoli, 2.12, 318, P, Pn, 22 24 45.2 +0.5

AFAD 12:22:24:08.2, 39.32N-27.90E, h12km, 3km, MW4.3
MOS 12:22:24:08.3, 39.34N-27.95E, h15km, mb4.4/5, Error ellipse: s-maj=5.7km s-min=3.3km az=87.8

ISC 12:22:24:08.6, 39.33N-27.92E, h8km, ML4.5/36
IDK 12:22:24:08.8, 39.36N-27.85E, h0km, mb3.7/12, mbmp3.7/20, ML4.7/32, Error ellipse: s-maj=1.8km s-min=1.0km az=55.0

MLR 1.1nm, 0.3s, baz=154, slow=19, SNR=3.3
MLR 1.9nm, 0.3s, baz=144, slow=23, SNR=3.1

Table with columns: Station Name, Frequency, Band, Mode, SNR, and other technical details. Includes stations like TOKA, SEV, GOC, LOT, TUR, etc.

Table with columns: Station Name, Frequency, Band, Mode, SNR, and other technical details. Includes stations like MMAIL, GEM, NATI, SORM, ANN, etc.

Table with columns: Station Name, Frequency, Band, Mode, SNR, and other technical details. Includes stations like MNSK, MAK, AKT, LPSR, etc.

12d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like ZALV, NRK, WMQ, LSZ, SONM, ULN, TIXI, PALK, TSUM, YAK, BHC, KLR, MA2, E29M, KSR, KRSR, YKA, ASAJ, PETK, JNU, MJAR, SHEM, JCJ.

IDC 12 22:25:49.0 1.7, 36.31N; 123.44E, h0km, mb3.6/3, mbmp3.6/6, ML3.2/3, MS3.6/1, Error ellipse: s-maj=35.8km s-min=15.0km az=13.0

KEA 12 22:25:55.8 36.64N; 123.50E, h18km, ML3.7/3, ISC 12 22:25:51.9 1.2, 36.50N; 0.08-123.50E-0.07, h10km, n14, z=202/16, mb3.5/3, Yellow Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like HJU, SUW, PYS, KRSR, KRSR, KRSR, SUJ, SUJ, SUJ, JNU, JNU, USRK, KLR, SONM, KURBB, AAK, BVAR, ILAR, HAZ, PKGZ, PUKETI, RAUKUMARA, TAWHAREPARE, TWGZ, OHINEPANA.

NEIC 12 22:33:48.0 1.6, 34.2S; 0.1x179.7E; 0.2, h70km, 10km, mb4.5/10, Error ellipse: s-maj=23.8km s-min=14.4km az=100.0

IDC 12 22:33:49.9 8.5, 34.19S; 179.61E, h81km, 61km, mb3.6/4, mbmp3.9/5, ML3.8/1, Error ellipse: s-maj=85.0km s-min=29.6km az=50.0

WEL 12 22:33:59.0 8.0, 35.5S; 177.9E; 1.0, h25km, 11km, M3.9/12, ML4.2/18, MLV3.9/12, Error ellipse: s-maj=13.4km s-min=9.1km az=103.9, confirmed

ISC 12 22:33:51.9 1.2, 34.50S; 0.17-179.4E; 0.1, h100km, n56, z=196/72, mb4.2/8, South of Kermadec Islands

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like CNGZ, MWZ, TKGZ, URZ, URZ, WCU, RIGZ, MUZ, RTZ, PRGZ, SNGZ, KNZ, RAHZ, RAHZ, MHGZ, MTHZ, OUZ, NMHZ, ARHZ, BKZ, BKZ, KWHZ, KWHZ, NTVZ, TMVZ, SNVZ, KAHZ, KAHZ, KRHZ, PXZ, PXZ, PNHZ, PNHZ, TSZ, TSZ, DVHZ, DVHZ, BFZ, BFZ, MRZ, PINNC, BBOO, AS31, ASAR, ASAR, WR8, WR8, WB2, WRA, WRA, WB0, QSPA, QSPA, SOEI, SOEI, GIRL, KRSR, CMJ, CMJ, CNJI, LEM, LEM, SKJI, YOGI, CGJI, Seran, UGM, UGM, SMRI, SMRI, SMRI, SMRI, PCCI, PCCI, PCCI, MDSI, TPI, GMJI, MNAI, MNAI, JAGI, JAGI, JAGI, PLAI, WBSI, GIRL, FITZ, FITZ, WRA, WRA, WB2, WB2, WRB, WRB, G16K, G16K, QSPA.

IDC 12 22:45:46.4 2.2, 7.95S; 107.56E, h0km, mb3.9/7, mbmp3.9/7, Error ellipse: s-maj=133.6km s-min=18.8km az=50.0

DJA 12 22:45:52.0 0.6, 8.3S; 101.8E, h10km, 4km, M4.4/19, mb3.5/1, mb4.5/7, MLV4.3/19, Mw(mb)4.9/1

NEIC 12 22:45:53.4 1.7, 7.94S; 107.67E; 0.03, h47km, 7km, mb4.5/12, Error ellipse: s-maj=12.3km s-min=3.6km az=167.0

ISC 12 22:45:55.3 0.5, 8.07S; 0.06-107.80E; 0.05, h70km, n59, z=194/52, mb4.3/11, Jawa

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like STKA, STKA, KDJ, BTK, PINNC, MKAR, H04N2, H04N1, H04N3, H04S1, H04S3, H04S2, KKAR, KURBB, ZALV, BVAR, AB31, AB31, ABKAR, ABKAR, Vnda, ARTI, QSPA, GNPA, SNAIA, TNA, DAV, DAV, SGSI, KNRA, FITZ, WRA, WR8, ASAR, EVN, DZM, PEAOB, MKAR, ZALV, GSTR, BVAR, AB31, ABKAR, ARTI, TNA, K15K, G16K, QSPA, CATAC, UCR, UPA, ISC, LPPC, LPPC, DITO, DITO, SCZRO, LESP3, NELY, NELY, MCANO, MLIR3, PRISO, BRU2, BRU2, BRU2, BRU2, CLLRA, DHOF, VITO, PTPM, PTPM, BC3P, BC3P, CSTR, ALCO, ALCO, LCOCS, LCOCS, BOTLY.

DJA 12 22:55:25.7 1.8, 7.1N; 121.7E; h30km, 20km, M4.4/4, mb4.7/11, mb4.3/3, MLV4.4/4, Mw(mb)3.9/1

IDC 12 22:55:27.2 0.2, 6.24N; 126.66E, h0km, mb3.8/5, mbmp3.8/5, Error ellipse: s-maj=186.6km s-min=20.4km az=67.0

NEIC 12 22:55:31.1 1.1, 12.65N; 0.07-126.99E; 0.09, h32km, 6km, mb4.5/14, Error ellipse: s-maj=13.9km s-min=7.8km az=122.0

ISC 12 22:55:31.0 0.7, 6.53N; 0.08-127.0E; 0.1, h35km, n26, z=1910/23, mb4.2/13, Philippine Islands region

CATAC 12 23:09:17.9 0.7, 9.1N; 5.8W; h6km, 3km, M4.1/10, MLV4.1/10, Error ellipse: s-maj=10.5km s-min=8.3km az=3.4, confirmed

UCR 12 23:09:17.4 0.8, 8.48N; 82.84W, h21km, 1km, MW4.0

UPA 12 23:09:18.4 1.1, 8.54N; 82.78W, h16km, 2km, MW3.8, Fault plane solution: NPT=27.00000, S41.00000, L=142.00000

ISC 12 23:09:17.9 0.8, 8.54N; 0.02-82.83W; 0.02, h103km, n90, z=1809/106, 28C-20D, Panama-Costa Rica border region

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PED3, BOSF3, CGUAY, etc.

IDC 12 23:11:03.2-4.3, 6.46S-149.63E, h0km, mb2.9/1, mbtmp3.2/2, ML3.4/1, Error ellipse: s-maj=153.2km s-min=55.2km az=115.0, New Britain region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WRA, ASAR, TORD.

NNC 12 23:20:55.4-0.9, 42.75N-70.11E, h0km, mb4.2, mpv4.0, Error ellipse: s-maj=6.8km s-min=4.4km az=122.0, Suspected Mining explosion.

KRNET 12 23:20:56.7-0.1, 42.74N-70.30E, h16km, mb4.1 SOME 12 23:20:57.4, 42.77N-70.33E, h15km

ISC 12 23:20:52.7-0.7, 42.66N-02.70E, h0km, n77, z=203/116, 53C-21D, Central Kazakhstan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BRLS, KK31, KKAR, etc.

Main table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CHMS, CHMS, CHMS, etc.

Main table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AB31, AB31, AB31, etc.

CGC 12 23:25:45.1+2.6, 15:02N-94.10W, h36km, 999km, MD4.8 MEX 12 23:25:46.5+1.3, 15:00N-94.08W, h26km, 31km, MD4.4 NEIC 12 23:25:46.3+1.8, 15:05N-106.94-0.9W, 0.04, h35km, 2km, mb4.2/78, MD4-4/97(MEX), Error ellipse: s-maj=10.6km s-min=6.4km az=186.0 IDC 12 23:25:47.7-1.6, 15:23N-93.78W, h53km, 8km, mb3.8/13, mbtmp4.0/15, MS3.6/3, Error ellipse: s-maj=29.3km s-min=18.1km az=13.0 CATA 12 23:25:48.1+1.0, 15°N-5°9'4W, h1km, M4.3/6, MLV4.3/6, Error ellipse: s-maj=12.9km s-min=10.6km az=54.9, confirmed

ISC 12 23:25:44.8-0.6, 14:95N-0:04-94:11W, 0:02, h39km, 5km, n191, z=212/264, mb4.2/30, MS3.7/3, Off coast of Chiapas

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like HUJUAN, ESQUIPULAS, MONTECRISTO, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TUCSON, CARBONDATE, MADDIES STATION, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NYDR, LK2D, TSKL, etc.

ATH 12 23:47:32.4, 37.91N, 21.27E, h6km, 1km, ML3, 0/31. Manual Solution by A. Andreou First location: 2019/05/12 23:48:26. This location: 2019/05/13 08:52:11 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

GCG 12 23:55:53.0, 2.1, 14.94N, 94.12W, h35km, 999km, MD4.5, MW3.6 MEX 12 23:55:55.0, 1.4, 15.02N, 94.11W, h16km, 16km, MD4.3 NEIC 12 23:55:55.3, 1.4, 15.08N, 0.05, 94.03W, 0.04, h35km, 2km, mb4.0/13, MD4.3/73(MEX), Error ellipse: s-maj=9.2km s-min=6.6km az=198.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like LCHA, CLEM, YRMI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PCIG, PCIG, NILT, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like CCIG Comitan, RTAL Retalhuleu, QUEO Labor Ovalle, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like TIXI Tikisi, ZFI2 Zemlya Franca, OMEGA Omega, etc.

Table with columns: Code, Station Name, Az, Alt, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like D19K Kuna River, C21K Knifblade Rid, D20K Etivluk River, etc.

IDC 13 00:43:33.4, 0.1, 79.42N, 124.08E, h12km, Mw5.3/160, Moment tensor. s104,c162; s160,c329; Duration: 1s1 Moment tensor. Scale 1017 Nm; M=0.12; M0=0.27; M1=0.36; M2=0.03; Best double couple: Mo1.24800x1017 NP1=346.00000, s36.00000, lambda=90.00000. NP2=166.00000, s64.00000, lambda=90.00000. Principal axes: T 1.2280, P19.0000, Azm256.0000; N 0.0220, P16.0000, Azm166.0000; P -1.2680, P181.0000, Azm75.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 13 00:43:33.4, 1.5, 79.41N, 123.9E, h10km, 1km, mb5.4/810, Mw5.4/62 Error ellipse: s-maj=12.7km s-min=9.0km az=217.0

FCIAR 13 00:43:34.1, 79.20N, 123.18E, h10km, station LSH has station magnitude of 5.79 station KLMR has station magnitude of 5.48

ISC 13 00:43:34.2, 0.4, 79.38N, 124.03E, h15km, 2km, h15km, P-P, 1361, s1153/1252, mb5.3/532, MS4.6/141, 11C-35D, East of Severmaya Zemlya

Table with columns: ID, Name, Date, Time, Location, Status, and other details. Includes entries like COLD Coldfoot, D28M Stokes Point, LVZ Lovozero, etc.

Table with columns: ID, Name, Date, Time, Location, Status, and other details. Includes entries like I23K Minto, Yukon-K, I23K Minto, Yukon-K, F30M Barrier River, etc.

Table with columns: ID, Name, Date, Time, Location, Status, and other details. Includes entries like SUMG Summit, PPLA Purkeypile, PPLA Purkeypile, etc.

Table of astronomical observations for 13d Oh, listing objects like BORG, TEY, NC602, etc. with columns for name, magnitude, distance, and other parameters.

Table of astronomical observations for 2019 MAY, listing objects like PBLUR, U33K, SNART, etc. with columns for name, magnitude, distance, and other parameters.

Table of astronomical observations for 2019 MAY, continuing from the previous table, listing objects like TNSS, TNS, DL2, etc. with columns for name, magnitude, distance, and other parameters.

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2019 MAY

13d 0h

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like TIA, HORU, KSP, OJC, etc.

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like KIS, LYN, BUR08, etc.

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like XAN, ARCR, CKRC, etc.

Table of radio stations with columns for call letters, name, frequency, power, and other technical details.

Table of radio stations with columns for call letters, name, frequency, power, and other technical details.

Table of radio stations with columns for call letters, name, frequency, power, and other technical details.

Table with columns: Station Name, Azimuth, Elevation, P, S, R, and other parameters. Includes stations like ROSC El Rosal, MDP Montañas des, WRA Warrungunga Arr, etc.

UCR 13 00:54:02.4+1.0, 8:45N-82:83W, h22km, 1km, MWV3.0
UCR 13 00:54:02.4+1.0, 8:52N-82:80W, h21km, 3km, MWV4.0

Main station list table with columns: Code, Station Name, Azimuth, Elevation, P, S, R, and other parameters. Includes stations like LPPC Paso Canoas, LESP La Esperanza, SCZRO Santa Cruz, etc.

Fault plane solution: NP1:373.70000°, 860.50000°, 1-28.34000°
IDC 13 01:01:53.6+1.1, 9:83N-84:14W, h45km, 13km, mb3.9/14, mblmp4.1/17, MLR2/93, MS3.3/3, Error ellipse: s-maj=26.6km s-min=12.8km az=38.0

Main station list table with columns: Code, Station Name, Azimuth, Elevation, P, S, R, and other parameters. Includes stations like PAR1A Puntarenas Pro, BITO Garabito Jaco, PURI Puriscal, etc.

Main station list table with columns: Code, Station Name, Azimuth, Elevation, P, S, R, and other parameters. Includes stations like GPS3 Bodega del ICE, LPLA Las Palmas La, ALIBA Liberia Aipor, etc.

Table with columns: PRVC, YUSH, CNCH, TGUH, etc. and rows listing various stations and their details.

Table with columns: LRAL, GOGA, YS2A, HNDO, etc. and rows listing various stations and their details.

Table with columns: PAB, ESDC, ESKA, F15K, etc. and rows listing various stations and their details.

Table with columns: Code, Station Name, Az, El, Time, Res, ISC. Includes stations like ABKAR Akbulak array, ARTI Arti, ARAO ARCESS Array B, etc.

IDC 13 02:13:21.8±1.1, 42.21N-84.22E, h0km, mb3.7/8, mbtmp3.5/13, ML2.9/4, Error ellipse: s-maj=21.0km s-min=14.2km az=62.0

SOME 13 02:13:25.8, 42.60N-84.15E, h5km NNC 13 02:13:28.1±1.5, 42.36N-83.95E, h5km±7km, mb4.2, mpv3.9, Error ellipse: s-maj=11.7km s-min=7.1km az=151.0

ISC 13 02:13:24.6±0.9, 42.30N-0.06-84.11E±0.05, h10km, n57, ±261/73, mb3.6/9, 13C-6D, Northern Xinjiang

Table with columns: Code, Station Name, Az, El, Time, Res, ISC. Includes stations like KTMS Ketmen, KTMS Ketmen, SHLS Shalkode, etc.

Main table with columns: Code, Station Name, Az, El, Time, Res, ISC. Includes stations like ZHN Zhinishe, ZHN Zhinishe, BLB Baldybastay, etc.

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

ATH 13 02:20:06.0, 40.52N-25.79E, h10km, 4km, ML2.1/11, Manual Solution by N.Liadopoulou First location: 2019/05/13 02:21:14, This location: 2019/05/13 08:55:40

AFAD 13 02:20:07.2, 40.44N-25.97E, h8km, 2km, ML2.1 ISK 13 02:20:05.0, 40.53N-25.84E, h8km, ML2.3/18, Aegean Sea

Table with columns: Code, Station Name, Az, El, Time, Res, ISC. Includes stations like ENZZ Sultanice-Enez, ENZZ Samothraki Isl, ENEZ Enez, etc.

IDC 13 02:20:53.7±1.4, 9.49S, 118.17E, h0km, mb3.7/4, mbtmp3.7/7, ML3.4/3, MS3.1/1, Error ellipse: s-maj=48.2km s-min=20.8km az=59.0

DJA 13 02:20:59.0±0.4, 10.5±5.11°8E±1, h10km, M4.3/11, mb4.4/1, MLV4.2/11

ISC 13 02:21:00.1±0.9, 9.59S±0.06-118.47E±0.04, h48km, n19, ±273/23, mb3.8/3, Sumbawa region

Table with columns: Code, Station Name, Az, El, Time, Res, ISC. Includes stations like WBSI Waikabubak, WBSI Waikabubak, PLAI Plampang, etc.

IDC 13 02:27:49.8±2.2, 6.133S, 129°97'E, h0km, mb3.9/1, mbtmp3.7/4, ML3.7/3, Error ellipse: s-maj=95.2km s-min=28.0km az=77.0, Banda Sea

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

JMA 13 02:58:45.8±0.4, 2.5°N, 1°14'2"E, h69km, MD4.7/31, MV5.2/31, IOTO ISLANDS REGION

JMA Feit J1 at IOTO ISLANDS REGION

NEIC 13 02:58:47.3±1.7, 2.59°N, 0.07°141', 4E.0.1, h75km, 5km, mb4.5/1.7, Error ellipse: s-maj=17.7km s-min=10.5km az=100.0

IDC 13 02:58:48.2±0.8, 2.5°65'N, 141°52'E, h91km, 6km, mb4.0/2.3, mbtmp4.3/2.5, MS3.1/1.0, Error ellipse: s-maj=13.6km s-min=8.7km az=101.0

ISC 13 02:58:49.0±0.4, 2.5°61'N, 0.05°141', 60E.0.0, 7h98km, n426, e124/413, mb4.4/82, 1C-1D, Volcano Islands region

Main table of station data for the first section, including stations like JHH2, CBIJ, CHIJ, JCU, BS03, JKN2, JNY, JAO, JNU, JGF, JG, MJAR, MJAR, MAJO, MAJO, MJJB, JNU, JNU, JOW, JOW, JMM, JMM, JSD, JTM, JTM, JTM, ERM, ERM, KRSR, KRSR, JKA, ASAJ, ASAJ, USRK, USRK, USRK, NJ2, NJ2, BNX, BNX, H1S3, H1S1, H1S2, KLR, HNS, HNS, HEH, HHC, HHC, HHC, PETK, UNL, SONM, SONM, SONM, PZH, PZH, SHEM, GTA, GTA, COEN, MTN, CMAR, KIWB, ADK, KNRA, KNRA, WBO.

Main table of station data for the second section, including stations like WR8, WRAB, WRA, WRA, NIKH, FITZ, P08K, TXI, TXI, AS31, ASAR, ASAR, ASAR, ZALV, ZALV, ZALV, ZALV, TNA, M13K, M13K, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MAK2, PSA00, F14K, ANM, L14K, CHNA, N14K, J14K, M14K, S14K, L15K, G15K, F15K, M15K, O15K, K15K, N15K, N15K, H16K, G16K, C16K, C16K, J16K, J16K, L16K, N16K, R16K, M16K, I17K, P16K, O16K, D17K, KURBB, KURBB, G17K, J17K, F17K, F17K, F17K, N17K, H17K, Q16K, K17K, N17K, P17K, P17K, E18K, E18K, F18K, L18K, H18K, N18K, C18K, C18K, G18K, B18K, Q18K, M18K, O18K, J18K, R18K, F19K, O19K, N19K.

Main table of station data for the third section, including stations like G19K, L19K, J19K, H19K, H19K, OHAK, OHAK, M19K, D19K, E19K, E19K, P19K, K2AK, L20K, K20K, H20K, I20K, J20K, J20K, J20K, F20K, F20K, M20K, D20K, E20K, B20K, B20K, SPCR, HOM, CHUM, G21K, G21K, G21K, CAST, SKT, CAPN, H21K, H21K, C21K, F21K, A21K, BRSE, E21K, B21K, B21K, STKA, STKA, SUA, BPAW, A22K, M22K, CUT, F22K, H22K, FORT, RC01, TRF, D22K, G22K, SEW, B22K, B22K, B22K, E22K, PMR, G23K, G23K, G23K, COLD, I23K, I23K, I23K, MCK, H23K, H23K, KNK, PWL, NEA2, NEA2, NEA2, BB00, D23K, D23K, SML, C23K, E23K.

Table of astronomical objects with columns: ID, Name, RA, Dec, Mag, Type, Position, etc. Includes objects like M23K, TOLK, P23K, BVAR, etc.

Table of astronomical objects with columns: ID, Name, RA, Dec, Mag, Type, Position, etc. Includes objects like G29M, E29M, E29M, YUKA, etc.

Table of astronomical objects with columns: ID, Name, RA, Dec, Mag, Type, Position, etc. Includes objects like ILON, CMB, CMB, PNTR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes title: TXNET 13 03:00:34.9, 1.314N:0.6, 103°2'W:0.6, h5km±1km, ML2.1/7, 4C, Error ellipse: s-maj=1.0km s-min=0.9km az=65.6, final, Western Texas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes title: IDC 13 03:08:10.3±2.3, 21°28'N:1.17E, h264km, 19km, mbmp3.8/9, Error ellipse: s-maj=35.3km s-min=18.7km az=79.0

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Table with 5 columns: Station Name, Elevation (ft), Wind Speed (MPH), Direction, and Wind Gust (MPH). Includes stations like Everest, Seymchan, WMQ, NIKH, SPIA, MKAR, MAKZ, FALS, VANDA, KSH, ZAAO, NIL, SDPT, M11K, TIXI, S14K, M13K, KURK, KURBB, O14K, K13K, N14K, M14K, L14K, O15K, R16K, N15K, M15K, K15K, K15K, K15K, GAR, O16K, F14K, N16K, M16K, Q17K, L16K, SII, G15K, O17K, ACHA, F15K, R18K, J16K, J16K, J16K, N17K, SIMJ, KK31, KKAR, H16K, Q18K, I17K, L17K, M17K, P18K, G16K, O18K, K17K, J17K, N18K, Q19K, KDAK, L18K, M18K, H17K, H17K, O19K, G17K, N19K, N19K, Q20K, P19K, D17K.

2019 MAY

Table with 5 columns: Station Name, Elevation (ft), Wind Speed (MPH), Direction, and Wind Gust (MPH). Includes stations like J18K, E17K, L19K, H18K, RDOG, RDOG, M19K, G18K, F18K, GCSA, HOM, E18K, E18K, J19K, J19K, L20K, M20K, M20K, NRIK, NRIK, NRIK, K20K, K20K, C18K, H19K, H19K, G19K, G19K, MAW, MAW, F19K, B18K, J20K, J20K, BVAR, BVAR, BRVK, I20K, SKT, PPLA, H20K, SUA, E19K, E19K, SEW, CAST, CAST, D19K, D19K, A19K, CHUM, RC01, F20K, M22K, KTH, PMR, PMR, E20K, H21K, PWL, PWL, D20K, D20K, BPAW, BPAW, G21K, I21K, TRF, TRF, KNK, KNK, P23K, SML, SML, H22K, M23K, E21K.

13d 3h

Table with 5 columns: Station Name, Elevation (ft), Wind Speed (MPH), Direction, and Wind Gust (MPH). Includes stations like E21K, MCK, MCK, SCM, SCM, C21K, FID, F22K, G22K, NEA2, NEA2, B21K, B21K, I23K, EYAK, A21K, H23K, KLU, KLU, E22K, E22K, WRH, D22K, M24K, G23K, COLD, KAIM, A22K, COLA, HMT, HMT, B22K, B22K, BMRM, HDA, H24K, IL31, ILAR, ILAR, ILAR, N25K, PAX, PAX, D23K, D23K, E23K, E23K, QSPA, QSPA, QSPA, TOLK, TOLK, G24K, CRQM, CRQE, C23K, WAX, RIDG, RIDG, E24K, F24K, F24K, F24K, J25K, J25K, MCARA, PRP, D24K, D24K, DOT, MESA, H25L, G25K, M26K, SCRK, L26K, C24K, GRNC, J26L, J26L, CTG, F25K, M27K, M27K.

13d 3h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Logan Glacier, Arctic Village, Beaver Creek, etc.

2019 MAY

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Villa Florida, Dimbokro, Matagalpa, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Pocosol, Alcala de Sa, La Lucha 2, etc.

GCG 13 03:43:53.1-0.8, 13:20N-90:16W, h23km, 11km, MD3.6, Near coast of Guatemala

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Nubes, JAYA, JAYA, etc.

IDC 13 03:48:44.6-0.9, 24:22S x 115:66W, h0km, mb3.9/7, mbmp3.97, MS3.9/70, Error ellipse: s-maj=36.0km

NEIC 13 03:48:34.3-2.4, 25:58S x 09:115:6W, 0.2, h10km, 1km, mb4.6/17, Error ellipse: s-maj=28.7km s-min=14.4km az=282.0

GGMT 13 03:48:49.3-0.2, 24:30S x 01:115:69W, 0.01, h18km, 1km, MW4.9/109, Moment Tensor Solution, s33,c43; s109,c153; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=0.39t, 12; Mpp=1.97t, 10; Mns=2.36t, 12; Mo=0.72t, 24; Ms=2.25t, 08; Mnr=0.22t, 24; Best double couple: Ms=21700 x 10^17, NPI=158.00000°, 876.00000°, 1-176.00000°, NPT=67.00000°, 87.00000°, 1-14.00000°, Principal axes: T 3.800, P1g7.0000°, Azmi14.0000°, N -0.3270, P1g76.0000°, Azm234.0000°, P -3.0540, P1g2.0000°, Azm22.0000°, nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 13 03:48:46.5-0.8, 24:45S x 01:115:6W, 0.2, h10km, n66, c1547/32, mb4.4/14, MS4.0/31, Southern East Pacific Rise

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Papeete, H03N2, H03N3, H03N1, NNA, ANA, ATAH, etc.

13d 5h

Table of seismic stations with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residuals. Includes stations like J20K, M20K, B21K, F21K, etc.

Table with station information including Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Stations include ODAN, KKK, DMN, GKN, KOLN, etc.

Table with station information including Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Stations include JISG, JTK, JTKM, etc.

2019 MAY

Main seismic station list with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time, Residuals. Stations include YOJ, JYNG, JKE, JACB, etc.

Table with station information including Code, Station Name, Azimuth, Phase ID, Time, and Residuals. Stations include GUMO, MDJ, SSE, etc.

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Table with columns for station name (e.g., XLT, ZEA, ZYA), frequency, polarization, and signal strength. Includes sub-sections like 'Tagayley City' and 'Davao City (W)'.

Table with columns for station name (e.g., TIXI, CMAR, CMAR, CMAR), frequency, polarization, and signal strength. Includes sub-sections like 'Cape Douglas', 'Lembang', and 'Warramunga Arr'.

Table with columns for station name (e.g., P18K, P18K, M18K), frequency, polarization, and signal strength. Includes sub-sections like 'GCSA', 'SII', 'A19K', 'F19K', 'G19K', 'PSI', 'H19K', 'N19K', 'O19K', 'J19K', 'L19K', 'D19K', 'E19K', 'M19K', 'Q19K', 'LEM', 'OHAK', 'WB0', 'P19K', 'L20K', 'ZALV', 'K20K', 'WR8', 'WRAB', 'WRAB', 'QIS', 'WB2', 'WRA', 'WRA', 'H20K', 'F20K', 'KDAK', 'KDAK', 'J20K', 'J20K', 'D20K', 'E20K', 'M20K', 'Q20K', 'MDSI', 'FITZ', 'FITZ', 'B20K', 'KURK', 'KURK', 'KURB', 'KURBB', 'KURBB', 'SHLS', 'SHLS', 'HOM', 'PPLA', 'G21K', 'CHUM', 'CAST', 'H21K', 'H21K', 'C21K', 'A21K', 'UZZB', 'UZZB', 'F21K', 'SKT', 'E21K', 'E21K', 'B21K', 'TDK', 'TDK', 'BRSE', 'I21K', 'SUA', 'GSI'.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like A22K Sinclair Lake, SATY Saty, BPAW Bear Paw Mtn., etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like PRP Porcupine Dome, J25K Saicha River, HARP HARP, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like KK31 Karatay Array, KK31 Karatay Array, KKAR Karatay Array, etc.

Table with columns: DLBC, Dease Lake, 62.81, 36, P, P, 05 12 11.2 -3.7, etc. Includes stations like PALK, TGTN, WTLY, B35M, TBOO, AB31, AB31, AB31, etc.

Table with columns: MNK, comp=N,13nm,0.9s, pmax, pmax, etc. Includes stations like MNK, MNK, MNK, MNK, MNK, etc.

Table with columns: VYHS, Vyhne, 87.03, 327, eP, P, 05 14 36.7 +1.7, etc. Includes stations like VYHS, VYHS, VYHS, VYHS, VYHS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like B009 North Saanich, B011 North Saanich, SNB Saturna Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PTBC 137nms,0nm,0.6s, GUYCZ Guyana, Caldas, etc.

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

IDC 13 05:13:58.0.3.0, 17.435x178.86W, h556km, 20km, mb3.4/6, mbtmp2.7, Error ellipse: s-maj=64.4km s-min=24.3km az=26.0

IDC 13 05:41:31.5.1.7, 29.47N, 51.32E, h0km, mb3.8/17, mbtmp3.821, ML3.0/4, MS3.2/5, Error ellipse: s-maj=34.4km s-min=17.6km az=11.0

IDC 13 05:41:38.2.0.0, 29.92N, 51.45E, h15km, 894km, ML4.1, DSN 13 05:41:39.1.6, 29.92N, 51.51E, h15km, ML3.7/11, Error ellipse: s-maj=21.6km s-min=8.4km az=6.0

ISD 13 05:13:58.0.3.0, 17.435x178.86W, h556km, 20km, mb3.4/6, mbtmp2.7, Error ellipse: s-maj=64.4km s-min=24.3km az=26.0

ISD 13 05:41:35.0.3.1, 29.47N, 51.32E, h0km, mb3.8/17, mbtmp3.821, ML3.0/4, MS3.2/5, Error ellipse: s-maj=34.4km s-min=17.6km az=11.0

ISD 13 05:41:38.2.0.0, 29.92N, 51.45E, h15km, 894km, ML4.1, DSN 13 05:41:39.1.6, 29.92N, 51.51E, h15km, ML3.7/11, Error ellipse: s-maj=21.6km s-min=8.4km az=6.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSFV Nonavsu, STKA Stephens Creek, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KAZZ Kazeron-Fars-I, SHI Shiraz, DSBU Dashti - Bushe, etc.

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

ASRS 13 05:14:33.0.0.9, 54.05N, 86.50E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

ASRS 13 05:41:35.0.3.1, 29.47N, 51.32E, h0km, mb3.8/17, mbtmp3.821, ML3.0/4, MS3.2/5, Error ellipse: s-maj=34.4km s-min=17.6km az=11.0

ASRS 13 05:41:38.2.0.0, 29.92N, 51.45E, h15km, 894km, ML4.1, DSN 13 05:41:39.1.6, 29.92N, 51.51E, h15km, ML3.7/11, Error ellipse: s-maj=21.6km s-min=8.4km az=6.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SAKB Bahrain, SHMA Al-Shehemyia, SHMA Al-Shehemyia, etc.

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

IDC 13 05:19:24.5.3.5, 54.73N, 86.70E, h0km, mbtmp2.7/2, ML2.5/2, Error ellipse: s-maj=30.0km s-min=23.0km az=44.0

IDC 13 05:41:35.0.3.1, 29.47N, 51.32E, h0km, mb3.8/17, mbtmp3.821, ML3.0/4, MS3.2/5, Error ellipse: s-maj=34.4km s-min=17.6km az=11.0

IDC 13 05:41:38.2.0.0, 29.92N, 51.45E, h15km, 894km, ML4.1, DSN 13 05:41:39.1.6, 29.92N, 51.51E, h15km, ML3.7/11, Error ellipse: s-maj=21.6km s-min=8.4km az=6.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IKFM Kafar-mosalm, KRMI Kerman Provinc, ASAO Ashtian, etc.

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

RSNC 13 05:35:18.1.0.4, 13.1N, 3.6W, h0km, M3.0, mb4.8, mb4.3, ML2.9, M(19)M4.1

RSNC 13 05:35:18.1.0.4, 13.1N, 3.6W, h0km, M3.0, mb4.8, mb4.3, ML2.9, M(19)M4.1

RSNC 13 05:35:18.1.0.4, 13.1N, 3.6W, h0km, M3.0, mb4.8, mb4.3, ML2.9, M(19)M4.1

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHMN Cheshme madani, HSAM Samen, IKOM Kom, etc.

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

ASRS 13 05:59:35.0.1.0, 54.12N, 86.47E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

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

WEL 13 06:09:06.7±0.7, 33°S, 6°17'9"E, h33km, M4.5/12, mb4.8/2, ML4.0/1.2, ML4.5/1.2, Mw(MB)4.1/2, Error ellipse: s-maj=3.2km s-min=3.2km az=113.4, confirmed, South of Kermadec Islands

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

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

ASRS 13 06:12:20.0±2.5, 51°73'N, 83°14'E, h0km, M2.3. The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-RO, 2021

IDC 13 06:12:17.0±1.1, 51°16'N, 82°44'E, h0km, mbtmp2.7k, ML2.4/2, Error ellipse: s-maj=18.5km s-min=15.7km az=155.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURBB, I46RU, ZALV, etc.

KRNET 13 06:15:41.0±0.1, 39°80'N, 75°76'E, h35km, mb2.8, SOME 13 06:15:51.2, 40°35'N, 75°58'E, h5km

NNC 13 06:15:49.4±3.6, 40°28'N, 75°55'E, h0km, mb3.1, mpv2.9, 17C-12D, Error ellipse: s-maj=25.2km s-min=19.6km az=162.0, Kyrgyzstan-Xinjiang border region

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

CRAAG 13 06:31:56.5, 36°35'N, 2°54'E, M2.8, Algeria 06km SE

MDD 13 06:31:58.0±1.6, 36°49'N, 2°56'E, h0km, Mb3.9/7, M_m, mb3/2, Error ellipse: s-maj=12.5km s-min=7.9km az=141.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EIBI, EBEN, EBEN2, etc.

VAO 13 07:10:27.7±0.7, 12°13'S, 74°95'W, h64km, 5km, mb5.2, NEIC 13 07:10:28.5, 12°18'S, 74°80'W, h90km, Moment Tensor

GCMT 13 07:10:34.7±0.1, 12°10'S, 0°01'74.90'W, 0°01, h115km, MW5.3/29, Moment Tensor, Scale 10^17 Nm

ISC 13 07:10:31.4±0.4, 12°16'S, 0°03'74.84'W, 0.04, h95km, 3km, h95km, P-P, n1019, r100/885, mb5.1/290, 10C-10D, Central Peru

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

AC01 Pan de Azucar 14.48 165 Pn Pn 07 13 51.5 -0.2

BBSD Serra de San D 14.64 112 Pn Pn 07 13 51.9 -0.2

AC06 Maricunga 15.55 161 Pn Pn 07 14 06.8 -1.3

PTLB Pontes e Lacer 15.60 104 Pn Pn 07 14 04.6 -1.3

AC06 Mina Casimiro 15.69 165 Pn Pn 07 14 08.0 +0.8

GO03 Copiapo 15.95 165 Pn Pn 07 14 10.7 +0.3

FSA Cafayete 16.20 150 eP Pn 07 14 15.0 0.0

MACA Manacapuru-AM 16.62 59 eP Pn 07 14 16.8 -2.0

ROSC El Rosal 16.90 2 Pn Pn 07 14 24.2 +1.2

ROSC El Rosal 16.90 2 Pn Pn 07 14 23.4 +0.9

ROSC 18nm, 0.7s, baz=102, slow=19, SNR=1.8

AC05 El Tansito 17.21 166 Pn Pn 07 14 25.5 +0.5

LCO Las Campanas 17.21 168 Pn Pn 07 14 25.6 -0.6

LCO Las Campanas 17.21 168 Pn Pn 07 14 25.6 -0.6

PDRB Porto das Gac 17.73 90 eP Pn 07 14 32.0 +0.1

CO05 La Serena 17.99 170 eP Pn 07 14 34.8 +0.3

Table of station data for call signs 665, including call sign, frequency, and other details. Includes call signs like J47A, TUC, L40A, etc.

Table of station data for call signs 2019 MAY, including call sign, frequency, and other details. Includes call signs like PDAR, HWUT, BBTS, etc.

Table of station data for call signs 13d 7h, including call sign, frequency, and other details. Includes call signs like NVL, BLKN, QSPA, etc.

Table with columns for ID, Name, Date, Time, Location, and other details. Includes entries like P33M Teslin, Yukon; P32M Atlin; P32M Atlin; S31K Pelican; N32M Quiet Lake; N32M Quiet Lake; SKAG Skagway; MPMY Sheldon Lake; BORG Borgarnes; WHY Whitehorse; WHY Whitehorse; PLBC Pleasent Camp; FARO Faro, Yukon; FARO Faro, Yukon; SYO Syowa Base; SYO Syowa Base; SYO Syowa Base; O30N Mendenhall; P30M Million Dollar; M31M Drury Creek; P29M Windy Craggy; P29M Windy Craggy; N31M Braeburn, Yuko; N31M Braeburn, Yuko; RES Resolute Bay; RES Resolute Bay; SUMG Summit; SUMG Summit; HYT Haines Junctio; HYT Haines Junctio; N30M Aishkik Lake; N30M Aishkik Lake; O29M Mount Kennedy; O29M Mount Kennedy; PNL Peninsula; C36M Paulatuk; YUK6 Outpost Mounta; SUR Sutherland; TSUM Tsumeb; YUK4 Talbot Arm; PINM Pinnacle; PCA Pinnacle; O28M Mount Upton; O28M Mount Upton; YUK8 Steele Glacier; M29N Somme Creek; H31M Peel River; H31M Peel River; L29M L29M; L29M L29M; K29M Barlow Dome; K29M Barlow Dome; LOGN Logan Glacier; LOGN Logan Glacier; YAH Yahrtse; YAH Yahrtse; MESA MESA; YUK3 Moose Creek; CTGM Chitina Glacier; CTGM Chitina Glacier; I30M Mount Dempster; I30M Mount Dempster; GRNC Granite Creek; EKA Eskdalemuir Ar; G31M Satah River; G31M Satah River; F31M Tsightichic; F31M Tsightichic; SCO Scoresbysund; SCO Scoresbysund; BVCV Beaver Creek; WAX Waxell Ridge; BGLC Bering Glacier; CRQE Cirque; CRQM Cirque; A36M Sachs Harbour; INK Inuvik; INK Inuvik; INK Inuvik; EPYK Eagle Plains; EPYK Eagle Plains; BERG Berg Lake

Table with columns for ID, Name, Date, Time, Location, and other details. Includes entries like I29M Ogilvie Camp; I29M Ogilvie Camp; M27K Edge Creek; M27K Edge Creek; G30M Aach Zrail Niji; MCARA McCarthy VSAT; MCARA McCarthy VSAT; KAIM Kayak Island; KAIM Kayak Island; HMT Hamilton; HMT Hamilton; F30M Barrier River; F30M Barrier River; F30M Barrier River; L27K Beaver Creek; L27K Beaver Creek; H29M Whitestone; M26K Nabesna, AK; M26K Nabesna, AK; BMRM Bremner River; BMRM Bremner River; I28M Miner Creek; I28M Miner Creek; G29M Pine Creek; K27K Chicken; K27K Chicken; N25K Chitina Valde; L26K Log Cabin Wild; L26K Log Cabin Wild; EYAK Cordova Ski Ar; EYAK Cordova Ski Ar; DIV Divida; I27K Kandik River; E29M Blow River; E29M Blow River; KLU Klusna; HARP HAARP; DOT Dot Lake; P23K Montague Islan; SCRK Sand Creek; SCRK Sand Creek; H27K Steamboat Moun; J26L Joseph Creek; J26L Joseph Creek; GLI Glar Island; M24K Tolsona, Glenn; PAX Paxson; PAX Paxson; I26K Coal Creek Min; I26K Coal Creek Min; RIDG Independent Ri; RIDG Independent Ri; G27K Doyon Strip; KEST Kesra; KEST Kesra; E28M Babbage River; E28M Babbage River; D28M Stokes Point; SCM Sheep Creek Mo; K24K Donnelly Dome; PWL Port Wells; PWL Port Wells; M23K Glarier River; J25K Salcha River; J25K Salcha River; E27K Coleen River; KNK Knik Glacier; BOSA Boshof; BOSA Boshof; SEW Seward; SML Sawmill; G26K Porcupine Rive; D27M Malcolm River; D27M Malcolm River; PRP Porcupine Dome; O22K Cooper Landing; PMR Palmer; HDA Harding Lake; RC01 Rabbit Creek A; WLF Walferdange; WLF Walferdange; BRSE Bradley Lake S; ILAR Giesler Array; ILAR Eielson Array

Table with columns for ID, Name, Date, Time, Location, and other details. Includes entries like ILAR Eielson Array; F26K Sheenjek River; F26K Sheenjek River; H25L Birch Creek; KDWAN Kaudwane; POKR Poker Plat Res; POKR Poker Plat Res; M22K Willow; WRH Wood River Hil; HOM Homer; COLA College; COLA College; COLA College; G25K Bearman Lake; Q20K Shuyak Island; MCK McKinley; JMJC Jan Mayen; OHAK Old Harbor; SUA Suisun One; F25K Christian River; F25K Christian River; C27K Jago River; C27K Jago River; LBTB Lobatse; LBTB Lobatse; LBTB Lobatse; E25K Arctic Village; H24K Noodor Dome; NEA2 Nenana; NEA2 Nenana; SII Sitkinak Islan; G24K Hadweenciz Riv; G24K Hadweenciz Riv; TRF Thorfare Moun; SKT Skwentna; I23K Minto; SPCR Spurr Chakacha; P19K Oil Pit; Q19K Cape Douglas; C26K Camden Bay; R18K Karluk; F24K Squaw Lake; MAW Mawson; MAW Mawson; MAW Mawson; CHIR Chirikof Islan; H23K Yukon River; BPAW Bear Paw Mtn; BPAW Bear Paw Mtn; D25K Kavik River; D25K Kavik River; PPLA Purkeypille; CAST Castle Rocks; CAST Castle Rocks; DAVOX Davos/Dischmat; M20K Styx River; E24K Your Creek; Q18K Katmai Hardscr; DAVA Damuels; O19K Por Glearworth; G29K Banana Creek; N19K Bonanza Creek; COLD Coldfoot; COLD Coldfoot; Q17K Contact Creek; H22K Ishlantina Cre; E23K Chandalar; D24K Happy Valley; L20K Farewell, AK; M19K Big River Lodg; TOLK Toolik Lake Re; FETA Feichten; C24K Franklin Bluff; C24K Franklin Bluff; RETA Reutte; G22K White Mountain; K20K Telida; L19K White Mountain; Q16K King Salmon; P17K Kvichak River; H21K Melozitna River; MOTA Moosalim

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like SQA, N18K, J20K, D23K, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like LSZ, M14K, K15K, G17K, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like SMPI, NIL, N1L, etc.

13d 7h

2019 MAY

0.1mm, 0.3s, baz=52, slow=14, SNR=3.0
0.5mm, 0.4s
MKAR Makanchi Array 8.07 204 Pn Pn 07 31 45.0 +1.6

ASRS 13 07:40:02.0±0.5, 53.63N:88.00E, h0km, M2.9, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.
IDC 13 07:40:05.4±0.3, 53.56N:87.85E, h0km, mbmt2.7/2, ML2.5/2, Error ellipse: s-maj=23.6km s-min=15.7km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, Zalesovo Beam, KURCHATOV ARR, etc.

IDC 13 07:44:38.4±2.5, 17.60S:178.94W, h560km, 18km, mb2.8/5, mbmp3.7/6, Error ellipse: s-maj=79.5km s-min=21.9km az=144.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NONSAU, WARRAMUNGA ARR, ALICE SPRINGS, etc.

IDC 13 07:47:40.8±0.5, 54.04N:163.43W, h0km, mb4.0/25, mbmp4.0/29, ML3.9/4, Error ellipse: s-maj=22.5km s-min=11.6km az=172.0

AEIC 13 07:47:43.1±1.9, 53.83N:163.34W:0.04, h24km, 6km, Error ellipse: s-maj=6.2km s-min=3.4km az=173.0
NEIC 13 07:47:43.0±1.9, 53.77N:163.31W:0.05, h28km, 7km, mb3.8/52, ML3.9/24, ML3.7(AEIC), Error ellipse: s-maj=5.9km s-min=4.5km az=189.0

IDC 13 07:47:42.2±1.7, 53.85N:163.31W:0.04, h14km, 9km, n204, s1910/189, mb4.1/26, Unimak Island region

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists numerous stations including ISLANOTSKI LAZA, WEST DAHL EAST, etc.

KDKAD Kodiak Island 7.21 53 Pn Pn 07 49 26.3 -0.8
KDKAD Kodiak Island 7.21 53 Pn Pn 07 49 26.5 -0.5
comp=N, 1.4nm, 0.3s, baz=326, slow=18, SNR=17

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like N17K, L14K, M16K, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like I26K, CTGM, L26K, etc.

comp=Z, 1.9nm, 0.9s, baz=40, slow=16, SNR=1.8
comp=Z, 1.9nm, 0.9s
YKAW3 Yellowknife Ws 26.48 51 P Iamb P 07 53 19.0 +0.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like YKAW3, YKA, YKAW1, RES, etc.

NEIC 13 07:49:44.3±0.5, 36.281N:0.0099750W:0.01, h6km, 3km, Error ellipse: s-maj=1.3km s-min=1.2km az=147.0
NEIC 13 07:49:44.1±0.5, 36.279N:0.0089750W:0.01, h3km, 2km, mb_Lg2.9/2, ML3.0/61, ML2.7/35, Error ellipse: s-maj=1.2km s-min=1.1km az=160.0, Oklahoma

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like CROK, OK048, OK029, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KAN05 Bluff City Nor, KAN01 Argonia South, DEOK Depew, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like HAYD Hayden, K22A Casper, ASRS 13 08:00:10.0, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BSY Bisyta, SMDO Samad, SMRA Abu-Samra, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KIEV, BURAR Bucovina Array, KOLS Kolonice sedl, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, MSVF Mont Dzumac, DZM DZM, PPT Papeete, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VHRN Van Horn, VHRN Verhalen, TPB04 Cuyonosa, etc.

TXNET 13 08:38:27.9, 31.7N, 0.0E, 104.4W, 0.7, h5km, 3km, ML2.2/7, SC-1D, Error ellipse: s-maj=1.2km s-min=1.0km az=35.8, final, Western Texas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TPB11 China Draw, TPB11 Pecos, GDLE Guadalupe Moun, etc.

DJA 13 08:39:22.0, 0.4, 8.7S, 7x11.2E, h127km, 5km, M3.8/19, mb4.0/2, MLV3.7/19

IDC 13 08:39:31.1, 17.0, 7.94S, 112.20E, h217km, 165km, mb3.3/k, mbmp3.9/9, MS2.9/1, Error ellipse: s-maj=93.6km s-min=15.1km az=69.0

ISC 13 08:23.3, 0.8, 8.26S, 0.09:111.85E:0.04, h141km, 7km, n32, r1902.36, mb3.7/8, Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PCJ1 Pacitan, NGJ1 Ngawi, UGM Wanagama, etc.

ASAR Alice Springs 26.10 128 P 0.7nm, 0.6s, baz=303, slow=9.5, SNR=14

PALK Pallekele 34.67 296 LR 0.7nm, 0.3s, baz=166, slow=6.7, SNR=3.2

SONM Songoing Array 56.06 356 P 0.7nm, 0.3s, baz=166, slow=6.7, SNR=3.2

MKAR Makanchi Array 60.80 337 P 1.2nm, 0.5s, baz=149, slow=7.3, SNR=12

KURBB Kurchatov Arra 65.37 337 P 0.4nm, 0.4s, baz=155, slow=5.4, SNR=4.6

ZALV Zalesovo Beam 66.04 343 P 1.5nm, 0.5s, baz=169, slow=5.8, SNR=8.0

VNDA Vanda 73.88 170 P 0.3nm, 0.4s, baz=305, slow=5.9, SNR=8

QSPA South Pole Qui 81.73 180 P 0.6nm, 0.5s, baz=284, slow=4.2, SNR=9.6

IDC 13 08:40:55.7, 3.2, 53.55N, 87.23E, h0km, mbmp2.8/2, ML2.2/2, Error ellipse: s-maj=30.8km s-min=17.7km az=64.0

ASRS 13 08:40:52.0, 1.0, 53.61N, 87.07E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H6RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

IDC 13 08:12:14.1, 3.6, 53.72N, 88.03E, h0km, mbtmp2.7/2, ML2.5/2, Error ellipse: s-maj=34.6km s-min=20.2km az=50.0

ASRS 13 08:12:11.0, 0.9, 53.74N, 88.19E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ASRS 13 08:24:18.0, 0.7, 54.35N, 86.87E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 13 08:24:21.4, 3.4, 54.30N, 86.74E, h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=27.8km s-min=18.6km az=47.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

IDC 13 08:43:31.1, 0.9, 50.03N, 18.93E, h0km, mbmp3.0/5, ML2.8/4, Error ellipse: s-maj=14.7km s-min=6.8km az=148.0

VIE 13 08:43:32.0, 2.6, 50.37N, 18.67E, h0km, mb2.6/4, m3.0/5, Error ellipse: s-maj=5.8km s-min=2.4km az=160.0, 26 km WNW of Katowice Suspected Mining induced.

IPEC 13 08:43:33.3, 0.2, 50.26N, 18.73E, h1km, ML3.0/4, Error ellipse: s-maj=2.0km s-min=1.0km az=173.0

BGR 13 08:43:33.9,0.3,50.28N;18.70E,h1km,ML3.3/13,Error ellipse: s-maj=4.4km s-min=3.3km az=7.0

PRU 13 08:43:30.2,1.5,20.27N,18.66E,h0km ISC 13 08:43:30.2,1.5,20.27N,18.66E,h0km,n48, r=155/85,4C-4D,Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like OJC, OKC, MORC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like MSVF, RAR, DZM, PPT, HNR, STKA, WRA, ASAR, YBH, QSPA, NVAR, SSSL, TXAR, PDAR, ILAR, YKA, BRTR.

JMA 13 08:55:21.4,24.75N,121.90E,h88km,ML5.2,Mw4.3, Moment Tensor Solution. Moment tensor: Scale 10^2Nm; Mm:2.59; Mss:0.85; Mbb:-3.44; Mtt:1.37; Mtt:0.88; Mrr:-2.18; Fault plane solution: Mo:4.57000x10^15 Np1:0.50,0.0000; lambda:0.00000,lambda:1.79,0.00000. NP2:0.164,25000,0.666,80000, lambda:0.00000. Principal axes: T P1g57.85300, Azm34.03500; N P1g26.52000, Azm176.60000; P P1g16.82200, Azm275.27000;

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like NCUH, ETLH, Wufeng Townshi, etc.

IDC 13 08:44:31.9,4.7,15.88S;173.22W,h132km,41km, s-maj=43.3km s-min=18.5km az=142.0

ISC 13 08:44:33.7,0.8,15.9S;173.3W;0.1,1h150km,n17, r=117/14,m0.3/10,Tonga Islands

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

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like JKRS, SNST, CHNI, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like MDJ, USAO, BNX, CMAR, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like M16K, H18K, D19K, etc.

Table with columns: TRF, Location, Date, Time, Status, etc. Includes entries for Thorofare Moun, Minto, Yukon-K, Sulitna One, Squaw Lake, etc.

Table with columns: MCARA, Location, Date, Time, Status, etc. Includes entries for Beaver Creek, Milner Creek, Cirque, Edge Creek, etc.

Table with columns: P, Location, Date, Time, Status, etc. Includes entries for Yellowknife Ws, Yellowknife Ar, GERSSE Array B, Igloolik, Nunas, etc.

PGC 13 08:55:25.2, 1.0, 50:03N x 130:11W, h10km, MLSn3.2/27, Mw3.9/27, 193km west of Port Alice, Bc Vancouver Island, Canada Region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes entries for HOLB, BPEB, MAYB, etc.

Table with columns: Station ID, Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Status. Includes stations like J20K Nowinta River, E28M Babbage River, TTA Tatalina, etc.

Table with columns: Station ID, Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Status. Includes stations like F20K Avaraart Lake, L14K Kukka Creek, D23K Nanushuk River, etc.

Table with columns: Station ID, Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Status. Includes stations like P38A Dawn, I42A Draeger Farm, TUL3 Leonard, etc.

ASRS 13 08:56:34.0±0.6,54:69N:83:63E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CID/M/ 2021

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like I46RU ZALEVOVO INFRA, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like I46RU ZALEVOVO INFRA, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Includes stations like Alice Springs, Diego Garcia, and Malin Array.

ASRS 13 09:04:45.0±0.5, 4.03N:86.49E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ASRS 13 09:04:48.6±2.8, 5.04N:86.53E, h0km, mbtmp3.4/3, ML2.5/2, Error ellipse: s-maj=22.1km s-min=20.7km az=61.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Includes stations like Zalesovo Beam, Kurchatov Arra, and Makanchi Array.

ASRS 13 09:06:26.0±1.2, 5.376N:91.08E, h0km, M3.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ASRS 13 09:06:30.8±3.1, 5.376N:90.82E, h0km, mbtmp3.4/3, ML3.4/2, Error ellipse: s-maj=26.1km s-min=20.7km az=52.0

NNC 13 09:06:40.8±1.0, 5.376N:90.04E, h6km, 5km, mb4.0, mpv3.6, Error ellipse: s-maj=6.1km s-min=5.3km az=46.0, Suspected Mining explosion.

ISC 13 09:06:36.5±3.3, 5.38N:0.1±90E:0.2, h0km, n12, ±166/12, 7C-5D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Includes stations like Zalesovo Beam, Kurchatov Arra, and Makanchi Array.

ISC 13 09:11:05.0±12.0, 5.67S:102.80E, h155km, 114km, mb3.2/7, mbtmp3.6/7, MS3.8/1, Error ellipse: s-maj=130.7km s-min=20.9km az=52.0

ISC 13 09:11:05.0±2.9, 5.65S:102.9E, h150km, n18, ±685/8, mb3.5/7, Southern Sumatara

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Includes stations like Diego Garcia, Warramunga Arr, and Kurchatov Arra.

0.8mm, 0.7s, baz=326, slow=2.6, SNR=9.4
IDC 13 09:42:39.8±0.8, 58.83N:30.94W, h0km, mb3.7/14, mbtmp3.8/17, ML3.7/3, MS3.6/25, Error ellipse: s-maj=23.5km s-min=13.8km az=177.0
NEIC 13 09:42:41.2±1.8, 58.7N:0.1±30.7W:0.1, h10km, 1km, mb4.2/24, Error ellipse: s-maj=24.1km s-min=8.0km az=168.0

ISC 13 09:42:40.9±0.7, 58.7N:0.1±30.81W:0.07, h10km, n65, ±105/42, mb4.1/24, MS3.6/23, Reykjanes Ridge

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Includes stations like Borgarnes, Kangerlussuaq, and Sonseca Array.

ASAR Alice Springs 143.34 24 PKHKP PKPpre 10 02 11.5
comp=2.0, 2mm, 0.8s, baz=340, slow=3.2, SNR=2.7
GSPA South Pole UK 148.60 180 PKPdf PKPdf 10 02 23.1 +0.4
GSPA South Pole UK 148.60 180 PKPbc PKPbc 10 02 25.9 -0.5
comp=2.2, 7mm, 1.0s, baz=223, slow=3.1, SNR=5.7

TAP 13 09:45:34.7±24.75N:122.37E, h9km, ML3.0, C
JMA 13 09:45:35.6±0.1, 24.6N:0.7±12.4E:0.2, h38km, 1km, MV2.8/12, NW OFF ISHIGAKIUMA IS
ISC 13 09:45:33.1±1.1, 24.83N:0.03±22.46E:0.02, h13km, 8km, n76, ±985/144, 1C, Taiwan region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Includes stations like EOSE2, TWB1, and National Taiwan.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for DJA 13 09:47:44.5, 0.8, S, 3.1, 10.4E, h10km, M4.1/9, MLV4.1/9, etc.

IDC 13 09:51:13.2, 0.8, 9.38N, 126.46E, h0km, mb3.9/11, mbmp3.9/12, ML4.1/11, MS3.4/3, Error ellipse: s-maj=40.4km, s-min=15.0km, az=79.0

IDC 13 09:51:19.3, 0.7, 9.36N, 126.5E, 0.2, h43km, n15, 0.89N15, mb3.9/11, Mindanao

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for DAV Davao City (W) 2.44 201 Pn, DAV 29nm, 0.3s, baz=53, slow=5.1, SNR=1.7, etc.

IDC 13 09:59:33.4, 0.5, 37.15N, 141.17E, h0km, mb4.3/22, mbmp4.2/28, ML3.4/6, MS3.7/24, Error ellipse: s-maj=15.1km, s-min=12.7km, az=105.0

MOS 13 09:59:34.7, 1.4, 37.21N, 141.138E, h21km, mb4.7/27, Error ellipse: s-maj=7.9km, s-min=5.0km, az=96.9

JMA 13 09:59:34.9, 0.1, 37.2N, 0.2, 141.3E, 0.6, h21km, MD4.7/36, MW4.4/36, E OFF FUKUSHIMA PREF

JMA Felt II J1 at E OFF FUKUSHIMA PREF

NIED 13 09:59:34.9, 37.16N, 141.25E, h21km, MW4.4, Moment Tensor Solution, s3 Moment tensor: Scale 1019N/m

Mn-4.27, Mn3.89, Mw3.38, Me1.37, Mb1.41, Mw0.53; Fault plane solution: Mw4.57000x1015 Np1.71, 0.00000, 836.00000, -89.00000, NP2.6250.00000, 854.00000, -1.91.00000

NEIC 13 09:59:35.7, 1.9, 37.21N, 0.04, 141.24E, 0.0, h10km, 1km, mb4.6/140 Error ellipse: s-maj=10.7km, s-min=7.3km, az=79.0

IDC 13 09:59:34.9, 0.7, 37.17N, 0.03, 141.32E, 0.0, h10km, 3km, n531, 1.1945/442, mb4.6/121, MS3.9/27, 13C-4D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for JFC Kawauchi 0.41 299 P, JFK Kawauchi 0.1 299 S, etc.

Main table with columns: JMM Marumori 0.81 329 P, JMM Marumori 0.81 329 A, JHO Hitachi 0.82 228 P, etc. Includes entries for JMM Marumori, JHO Hitachi, JOTO OTAMA OYAMA, etc.

Table with columns: JUN Nakatsu 9.45 248 Pn, POSYET Posyvet 9.76 307 iP, YSS Yuzhno-Sakhalin 9.84 60 eP, etc. Includes entries for JUN Nakatsu, POSYET Posyvet, YSS Yuzhno-Sakhalin, etc.

Table with columns: ID, Name, Location, Time, Az, El, Azimuth, Elevation, Status, etc. Includes stations like M26K Nabesna, AK, G27K Doyon Strip, D27M Malcolm River, etc.

Table with columns: ID, Name, Location, Time, Az, El, Azimuth, Elevation, Status, etc. Includes stations like WRA Warramunga Arr, Q32M Nakina River, C36M Paulatuk, etc.

Table with columns: ID, Name, Location, Time, Az, El, Azimuth, Elevation, Status, etc. Includes stations like EPLO Experimental L, PV20 West Nyswonger, PV17 West Wray Mesa, etc.

ADC 13 09:59:39.0, 3.2, 54.16N:87.28E, h0km, mbtmp2.72, ML2.5/2, Error ellipse: s-maj=27.4km s-min=19.5km

ASRS 13 09:59:36.0, 0.9, 54.12N:87.12E, h0km, M2.4, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, etc. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Kurchatov Arra, etc.

SJA 13 10:38:27.1, 0.5, 31.18S:73.61W, h12km, ML3.7, MW3.5 GUC 13 10:38:30.5, 0.5, 32.64S:72.68W, h25km, 3km, ML3.5 ISC 13 10:38:26.3, 2.5, 32.56S:0.04:72.9W:0.1, h10km, n29, e1973/40, Off coast of central Chile

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, etc. Includes stations like VA01 Torpederas, VA06 Catapilco, VA05 Santo Domingo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AGUA, ACLC, CERRO LA CRUZ, etc.

Table with columns: HHC, SHL, USRK, BBOO, ASAJ, EVN, KLR, HEH, SONM, PETK, MKAR, KDJ, ZALV, KURB, KURK, GAR, BVAR, TIXI, ABK, K13K, L14K, N14K, M14K, K15K, M15K, J16K, D17K, L16K, N16K, M16K, BELG, F17K, G17K, R16K, H17K, J17K, L17K, E18K, K17K, C18K, P17K, H18K, G18K, A19K, Q17K, L18K, N18K, J18K, F19K, GCSA, M18K, Q18K, O18K, TTA, G19K, D19K, H19K, E19K, J19K, L19K, N19K, M19K, D20K, B20K, F20K, E20K, H20K, L20K, K20K, J20K, M20K, C21K. Includes stations like Shilling, Ussuriysk Ar., etc.

Table with columns: B21K, G21K, A22K, E21K, F21K, H21K, PPLA, CHUM, HOM, CAM, SKT, B22K, D22K, F22K, H22K, SUA, E22K, G22K, BPAW, M22K, RC01, D23K, COLD, C23K, G23K, H23K, PMR, I23K, E23K, TOLK, NEA2, MCK, KNK, PWL, D24K, SML, C24K, E24K, H24K, M23K, F24K, P23K, G24K, SCM, GLI, HDA, ILAR, D25K, G25K, M24K, H25L, KLU, F25K, K24K, E25K, MAW, PAX, C26K, V26K, RIDG, F26K, N25K, BMRM, C27K, G26K, I26K, L26K, M26K, E27K, G27K, K27K, D27M, H27K, I27K, L27K, M27K, E28M, I28M, D28M, O28M, E29M. Includes stations like Ikpikpuk River, Allakaket, etc.

Table with columns: ID, Name, Az, El, P, R, Time, Res. Includes entries like H29M Whitestone, G29M Pine Creek, I29M Ogilivi Camp, etc.

KRSC 13 11:00:13.0: 1.6, 49°15'N: 156°32'E, h40km, 21km, M14.2
IDC 13 11:00:15.3: 2.6, 49°36'N: 154°31'E, h98km, 25km, mb3.3/11,
mbmp3.7/15, MS3.2/4, Error ellipse: s-maj=27.7km
s-min=13.3km az=140.0

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes entries like SKR Severo-Kuril's, PAU Pauzhetka, KDR Khadutka, etc.

Table with columns: ID, Name, Az, El, P, R, Time, Res. Includes entries like ZALV Zalesovo Beam, ZALV Malanchi Array, MKAR Kurchatov Arra, etc.

JMA 13 11:06:26.6: 0.3, 45°N: 141°14'E, h260km, 3km, MV3.0/26,
NW OFF HOKKAIDO
SKHL 13 11:06:27.0: 0.4, 44°44'N: 141°40'E, h240km, 5km, mb4.0/3,
msh4.2/3

IDC 13 11:06:27.3: 1.1, 44°58'N: 141°14'E, h247km, 8km, mb6.7/3,
mbmp3.9/8, Error ellipse: s-maj=30.1km s-min=19.0km
az=128.0

IDC 13 11:06:27.6: 0.9, 44°49'N: 0°06:141°24'E: 0°07, h251km, 7km,
n25, <math>\pm 0.90/37, mb2.9/3, Hokkaido region

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes entries like JYG Yagishiri, JSS Shogin, JRR Rishiri, etc.

NEIC 13 11:38:14.3: 1.6, 2.3, 93°S: 0°179°6'W: 0°1, h502km, 7km,
mb4.7/50, Error ellipse: s-maj=18.8km s-min=15.0km
az=110.0

NOU 13 11:38:15.3: 23°28'S: 179°35'W, h547km, mb4.6/48, South
of Fiji Islands
IDC 13 11:38:16.1: 1.1, 23°02'S: 179°84'W, h516km, 10km,
mb3.8/22, mbmp4.6/24, Error ellipse: s-maj=11.2km
s-min=9.9km az=100.0

IDC 13 11:38:15.0: 4.4, 23°32'S: 0°05:179°67'W: 0°07, h512km,
n267, <math>\pm 1.92/277, mb4.6/51, 1C-2D, South of Fiji Islands

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes entries like USRK Ussuriysk, MJAR Matsushiro Arr, PETK Petropavlovsk, etc.

Table with columns: ID, Name, Az, El, P, R, Time, Res. Includes entries like KUR 20nm, 0.4s, KUR 30nm, 0.4s, KUR 50nm, 0.4s

IDC 13 11:19:47.9: 2.0, 9°63'S: 125°72'E, h0km, mb3.4/1,
mbmp3.4/4, ML3.3/3, Error ellipse: s-maj=97.8km
s-min=29.2km az=67.0

DJA 13 11:20:01.9: 0.6, 9°55'x12°5'E, h23km, 6km, M3.1/5,
mb3.7/1, MLV2.8/5
ISC 13 11:19:51.9: 1.3, 9.95°S: 0°125°8'E: 0.1, h35km, n7,
<math>\pm 0.25/10, Timor region

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes entries like SOEI Soe, BATI Baumata, EDFI Ende Flores, etc.

IDC 13 11:31:44.8: 1.0, 5°23'N: 125°13'E, h0km, mb3.7/7,
mbmp3.7/7, MS3.4/1, Error ellipse: s-maj=39.2km
s-min=15.9km az=77.0

ISC 13 11:31:49.9: 1.0, 5°22'N: 0°09:125°1E: 0°2, h35km, n9,
<math>\pm 1.09/9, mb3.7/7, Mindanao

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes entries like DAV Davao City (W), DAV Alice Springs, FITZ Fitzroy Crossi, etc.

NEIC 13 11:38:14.3: 1.6, 2.3, 93°S: 0°179°6'W: 0°1, h502km, 7km,
mb4.7/50, Error ellipse: s-maj=18.8km s-min=15.0km
az=110.0

NOU 13 11:38:15.3: 23°28'S: 179°35'W, h547km, mb4.6/48, South
of Fiji Islands
IDC 13 11:38:16.1: 1.1, 23°02'S: 179°84'W, h516km, 10km,
mb3.8/22, mbmp4.6/24, Error ellipse: s-maj=11.2km
s-min=9.9km az=100.0

IDC 13 11:38:15.0: 4.4, 23°32'S: 0°05:179°67'W: 0°07, h512km,
n267, <math>\pm 1.92/277, mb4.6/51, 1C-2D, South of Fiji Islands

Table with columns: Code, Station Name, Az, El, P, R, Time, Res. Includes entries like GLKZ Green Lake, LKBA Tubou Lakemba, MSVF Nonsavu, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like BKZ, ARHZ, KRVZ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like KNRA, FITZ, SBA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like KIEV, AK10, LUBAR, etc.

13d 12h

Table with 5 columns: STKA, Station Name, Time, Status, and other metrics. Includes stations like Stephens Creek, Mount Arapiles, Innaminka, etc.

21.9 MAY

Table with 5 columns: STKA, Station Name, Time, Status, and other metrics. Includes stations like Chichijima, Kappang, DAV, GSPA, QSPA, etc.

Table with 5 columns: STKA, Station Name, Time, Status, and other metrics. Includes stations like TYV, TYV, URSK, URSK, URSK, etc.

13d 12h

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like H22K Ishaltina Cre, K27K Chicken, G27K Doyon Strip, etc.

2019 MAY

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like G27K Doyon Strip, D22K Ayikyak River, C21K Knifeflade Rid, etc.

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Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like NOA NORSAR Array B, RAYN Ar Rayn, RAYN Ar Rayn, etc.

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Table of astronomical observations including BIA, LESA, SOKA, WTТА, MOTA, SOTA, MYKA, DAVA, ABTA, FETA, DAVOX, MVO, MTE, DBIC, PCBR, MESJ, MORF, PFVI, EDC, ESDC, PBDV, TORД, TORД, TORД.

SNET 13 12:10:10.7±0.8, 13°36'N:89°61'W, h58km, ML3.8
CATAC 13 12:10:11.2±1.1, 13°1'N:10°9'0"W, h34km, 5km, M3.7/13,
ML3.7/13, Error ellipse: s-maj=25.4km s-min=7.8km
az=33.6, confirmed

CGC 13 12:10:11.1±1.2, 13°40'N:89°65'W, h55km, 8km, MD4.0
ISC 13 12:10:10.9±2.0, 13.3N:01°89.64W:0°08, h54km, 11km,
n58, r0931/54, El Salvador

Main table of astronomical observations with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res.

NEIC 13 12:24:36.4±1.6, 6°33'S:0°154'2E:0.1, h10km, 2km,
mb4.6/11, Error ellipse: s-maj=23.3km s-min=18.8km
az=91.0

IDC 13 12:24:45.2±5.9, 6°00'S:153°84E, h94km, 48km, mb3.4/6,
mbmp4.5/24, MS3.9/9, Error ellipse: s-maj=48.2km s-min=28.8km
az=115.0

ISC 13 12:24:39.9±1.0, 6.25S:0°154'2E:0.1, h48km, n21,
r1549/22, mb4.2/12, Bougainville-Solomon Islands
region

Table of astronomical observations for the Bougainville-Solomon Islands region.

2019 MAY

Table of astronomical observations including FORT, MKAR, ILAR, QSPA, QSPA, QSPA, BOOM, AAK, SIMJ, TORД.

KRNET 13 12:36:17.8±0.1, 39°10'N:74°38E, h16km, mb3.4
SOME 13 12:36:18.4, 39°07N:74°70E, h5km
NMC 13 12:36:22.8±1.3, 39°26N:74°63E, h0km, mb3.9, mpv3.5,
Error ellipse: s-maj=10.0km s-min=6.8km az=161.0
ISC 13 12:36:21.4±1.5, 39.10N:0°77.7429E:0.03, h10km, n55,
r0931/50, 30C-27D, Southern Xinjiang

Main table of astronomical observations with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res.

13d 12h

Table of astronomical observations including KUU, SATY, SATY, CHKK, CHKK, CHKK, BRLS, BRLS, BRLS, KURS, KURS, KURS, KURS, UZB, UZB, PDGB, PDGB, PDGB, BLB, BLB, VAO, IDC, NEIC, RSNC, GCMT.

Main table of astronomical observations with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res.

Table with columns: Station (e.g., YOTC, SALV, CFA), Location (e.g., Yotoco, Valle), Time (18.04 354), and other data points (P, Pn, 12 45 56.9 -0.2).

Table with columns: Station (e.g., FCAR, MNHN, PBMO), Location (e.g., Ozark Folk Cen, Monahans), Time (52.45 342), and other data points (Iamb, Iamb, 12 51 35.8).

Table with columns: Station (e.g., L04D, PINE, DBIC), Location (e.g., Klamath Falls, Pine Mountain), Time (71.26 324), and other data points (Iamb, Iamb, 12 53 40.2).

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like O29M Mount Kennedy, PNL Peninsula, YUK6 Outpost Mounta, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like ILAR Eielson Array, F26K Sheik River, H25L Birch Creek, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like M15K Kasigluk River, O14K Tiguykaiuvt M, G18K Tagawik, etc.

HEL 13 12:45:09.0 ± 0.64° 34N:20° 54'E, hokm, ML1.5, Explosion UPP 13 12:45:09 ± 0.0, 64° 34'N:20° 51'E, hokm, ML2.5, Unknown DNK 13 12:45:09.0 ± 0.64° 33'N:20° 51'E, hokm, ML2.6 (UPP), Explosion

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ID, h, m, s, Res. Includes stations like ODEU Stanfors, ODEU Stanfors, ODEU Svanoeid, etc.

BUI 13 12:54:17.8,6.485x:151.39E,h24km,mB5.2/35,mb4.8/65,
M54.8/46,M57.4/646
IDC 13 12:54:18.7,0.4,6.34S:150.75E,h0km,mb4.8/29,
mbmp4.8/29,M54.4/42,Error ellipse: s-maj=10.4,0.1km
s-min=8.8km az=108.0
MOS 13 12:54:19.0,9.0,6.24S:150.76E,h15km,mb5.3/26,
M54.5/5,Error ellipse: s-maj=10.2km s-min=6.9km
az=109.2
NEIC 13 12:54:20.7,1.9,6.39S:0.06:150.98E:0.06,h10km,1km,
mB5.4/270,Mw4.9/77,Error ellipse: s-maj=11.5km
s-min=9.7km az=324.6
GCMT 13 12:54:26.7,0.2,6.59S:0.02:150.87E:0.02,h20km,1km,
MW5.1/78,Moment Tensor Solution. s45.60; s78,c112;
Duration: 1s0 Moment tensor: Scale 10^19Nm;
Mn:1.89e+18; Mw:2.26e+12; Mv0.37e+10; Mw5.12e+06;
Mw0.100e+08; Mw0.71e+23; Best double couple;
M55.66700x10^16 NPT:3316.000000,016.000000,
141.000000. NP2:384.000000,880.000000,177.000000.
Principal axes: T 5.5920,Plg54.00000, Azm339.00000; N
0.1560,Plg13.00000; Azm86.00000; P -5.7410,
Plg33.00000; Azm165.00000; nsta1 refers to body waves,
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Triangle function moment-rate function.
DJA 13 12:54:32.0,0.6,7.5,3,15,1E, h102km,5km,M5.2/65,
mB5.3/65,mB5.7/36,Mw(mB)5.2/36,MwMwp5.1/4,
Mwp5.4/4
ISC 13 12:54:24.0,0.6,6.39S:0.04:150.89E:0.05,h33km,4km,
h34km; p-P,p-n773,c1938/650,mB5.3/222,MS4.4/65,
15C-2D,New Britain region

Table with columns: Code, Station Name, Δ° AZ, Phase ID, ISC, Time h m s ISC, Res. Rows include stations like I40PG Keravat, I40PG Rabaul, RABL Port Moresby, PMG Port Moresby, etc.

Main table listing seismic events with columns: ARMA, Armidale, 23.91 178, Iamb, Iamb, 12 59 34.7 -0.4, 12 59 37.7 -0.4, etc. Rows include events like ARMA Armidale, ARMA Armidale, ARMA Armidale, ARMA Armidale, etc.

Table listing seismic events with columns: CMJJI, Cimerak, 42.12 265, P, P, 13 02 13.1 -0.5, 13 02 25.0, etc. Rows include stations like CMJJI Yeheng, CMJJI Jatiwangi, CMJJI Bungai, etc.

Table with columns for station code, name, coordinates, elevation, and status. The table contains multiple columns of data for various weather stations across the region, including codes like RDOG, SEW, O22K, etc., and names like Red Dog Mine, Seward, Cooper Landing, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Date, Time, Azimuth, Elevation, and other parameters. Includes stations like BRLS, WHY, I29M, WRAK, P32M, V35K, H29M, H29M, D27M, D27M, G29M, M31M, M31M, E28M, I30M, I30M, G32M, P33M, P33M, EPYK, EPYK, N32M, N32M, S34M, S34M, FARO, FARO, E29M, E29M, D28M, G30M, G30M, T35M, BVAR, R33M, R33M, BBB, BBB, F30M, F30M, H31M, H31M, DLBC, DLBC, DLBC, DLBC, DLBC, DLBC, G13M, G13M, G31M, G31M, MMPY, MMPY, F31M, F31M, INK, INK, INK, INK, WTLY, WTLY, CBB, CBB, K02D, K02D, TG2N, TG2N, YBH, YBH, YBH, YBH, SYO, SYO, LIRD, LIRD, TOAD, TOAD, H04A, H04A, AFDM, AFDM, K0TAN, K0TAN, WRGLY, WRGLY, I07A, I07A, A36M, A36M, A36M, A36M, NVAR, NVAR, G08A, G08A, NV11, NV11, D08A, D08A, J08A, J08A, ELIB, ELIB.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Date, Time, Azimuth, Elevation, and other parameters. Includes stations like MZP, GWY, PFO, BMO, NEW, NEW, ARTI, R11B, SHPR, SHPR, YKAW, YKAW, YKA, YKA, YKA, YKA, YKAW, YKAW, U15A, U15A, SNA, SNA, PDAR, PDAR, TXAR, TXAR, MNK, MNK, MNK, MNK, MNK, MNK, MNK, MNK, MNK, MNK, AKAS, AKAS, BRTR, BRTR, NB2, NB2, NOA, NOA, KOLS, KOLS, PLCA, PLCA, VYHS, VYHS, MORC, MORC, KRUC, KRUC, BRG, BRG, BRG, BRG, CLL, CLL, CLL, CLL, CLL, CLL, CLL, CLL, RONA, RONA, CONA, CONA, CONA, CONA, ARSA, ARSA, KHC, KHC, GERS, GERS, MOA, MOA, SOKA, SOKA, BIOA, BIOA, KBA, KBA, LESA, LESA, ABTA, ABTA, ABTA, ABTA, WATA, WATA, WATA, WATA, WTTA, WTTA, WTTA, WTTA, MOTA, MOTA, MOTA, MOTA, REKA, REKA, EKA, EKA, FETA, FETA, FETA, FETA, DAVA, DAVA, DAVA, DAVA, BMRD, BMRD, TUE, TUE, LPAZ, LPAZ, CPUP, CPUP, CPUP, CPUP, MVO, MVO, PVIS, PVIS, MTE, MTE, PCBR, PCBR, PMRV, PMRV, PMTG, PMTG, PVLB, PVLB, PTCE, PTCE, BOAT, BOAT, TORD, TORD, BDFB, BDFB.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Date, Time, Azimuth, Elevation, and other parameters. Includes stations like PMAR, PMAR, PMOZ, PMOZ, DBIC, DBIC, MEX 13 12:59:45.1, MEX 13 12:59:45.1, LTHK, LTHK, LTHK, LTHK, KYPS, KYPS, ORTH, ORTH, CLEM, CLEM, CLEM, CLEM, PSDA, PSDA, PSDA, PSDA, VLS, VLS, VLS, VLS, SMHA, SMHA, SMHA, SMHA, YRMI, YRMI, AMT, AMT, DMLN, DMLN, DMLN, DMLN, RLS, RLS, AXS, AXS, DRO, DRO, DRO, DRO, FSK, FSK, FSK, FSK, MTHA, MTHA, MTHA, MTHA, EVGI, EVGI, EVGI, EVGI, UP, UP, UP, UP, DRAG, DRAG, NYDR, NYDR, NYDR, NYDR, KLV, KLV, PVO, PVO, LK02, LK02, VLX, VLX, VLX, VLX, SERG, SERG, KAL, KAL, ANX, ANX, ANX, ANX, AMPL, AMPL, EVRY, EVRY, KAT, KAT, LTK, LTK, MAK, MAK, MAK, MAK, KRND, KRND, VLI, VLI, AGG, AGG, AGG, AGG, AXAR, AXAR, AXAR, AXAR, IGT, IGT, IGT, IGT, METS, METS, MET4, MET4, LKR, LKR, VIL2, VIL2, VILL, VILL, THL, THL, THL, THL, VLY, VLY, ATHU, ATHU, ATHU, ATHU, TYRN, TYRN, TYRN, TYRN, DION, DION, ANKY, ANKY, NEO, NEO, PENT, PENT, NEST, NEST, LIT, LIT, KARY, KARY, TIP, TIP, TIP, TIP, THE, THE, HORT, HORT, OHR, OHR, OHR, OHR, GRG, GRG, CUR, CUR, APE, APE, SOH, SOH, TIR, TIR, IDI, IDI.

Table with columns: IDI, Station Name, Az, AzZ, Phase ID, Time, Res, Sg, and various numerical values.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, Sg, and various numerical values.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, Sg, and various numerical values.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, Sg, and various numerical values.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, Sg, and various numerical values.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, Sg, and various numerical values.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, Sg, and various numerical values.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, Sg, and various numerical values.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, Sg, and various numerical values.

TXNET 13 14:07:17.1,31.7N:08:104.4W:0.3,h6km,2km,ML1.9/7, Error ellipse: s-maj=1.2km s-min=1.1km az=52.2, final, Western Texas

13d 16h

2019 MAY

Table with columns: OBKA, Obir, 10.14 333, i Pn, Pn, 15 33 53.1 -0.3, etc. Lists various astronomical objects and their properties.

Table with columns: AKT, Akhty, 20.74 71, eP, Pn, 15 36 10.9 +0.2, etc. Lists various astronomical objects and their properties.

Table with columns: TIXI, Tiksi, 59.94 20, LR, LR, 16 12 56.6, etc. Lists various astronomical objects and their properties.

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

IDC 13 16:10:18.3-1.7, 33.06N, 141.64E, h0km, mb3.4/3, mbmp3.3/4, ML2.2/1, Error ellipse: s-maj=43.2km s-min=25.5km az=64.0

JMA 13 16:10:25.4-1.4, 33.1N, 141.1E, h51km, MV2.9/12, E OFF HACHIOJIMA ISLAND

IDC 13 16:10:25.4-1.4, 32.93N, 141.27E, 0.10, h41km, n13, e083.176, mb3.5/3, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JHJ2, JHJ3, JHJ4, etc.

IDC 13 16:13:56.4-1.6, 26.55S, 67.94E, h0km, mb3.7/6, mbmp3.7/6, Error ellipse: s-maj=51.9km s-min=27.9km az=101.0, Indian Ocean Triple Junction

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H0S81, H0S82, H0S83, etc.

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

IDC 13 16:27:01.8-5.6, 30.95N, 85.82E, h0km, mb3.2/2, mbmp3.3/4, ML3.3/2, Error ellipse: s-maj=278.0km s-min=28.2km az=63.0, Xizang

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

IDC 13 16:41:25.9-1.5, 23.17S, 179.13W, h415km, 14km, mb3.7/16, mbmp4.5/17, Error ellipse: s-maj=12.5km s-min=10.8km az=122.0

NEIC 13 16:41:26.2-1.6, 23.33S, 179.1W, 0.1, h412km, 8km, mb4.5/17, Error ellipse: s-maj=17.9km s-min=13.8km az=117.0

IDC 13 16:41:25.6-0.5, 178.96W, 0.07, h417km, n156, s144/165, mb4.4/59, 5D, South of Fiji Islands

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

IDC 13 16:44:39.1-1.4, 20.20S, 175.00W, 0.1, h417km, n156, s144/165, mb4.4/59, 5D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BKZ, WAZ, MRZ, MNZ, SNOZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MLH, HMH, KNRA, GUMO, SBA, SBA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VNSA, VNSA, VNSA, PSA00, PSA00, MBWA, MBWA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MORW, MORW, CASY, CASY, GSPA, GSPA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MJAR, MJAR, MAJO, MAJO, YULB, YULB.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TPUB, TPUB, SSSL, SSSL, ADK, ADK.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JKA, JKA, BELA, BELA, KRSR, KRSR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MAW, MAW, PEAOB, PEAOB, PETK, PETK.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like USRK, USRK, NJ2, NJ2, KMPM, KMPM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SLBS, SLBS, OQ2D, OQ2D, GMB, GMB.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like YBH, YBH, HATC, HATC, DSP, DSP.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NVAR, NVAR, ELIB, ELIB, N14K, N14K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BNX, BNX, TIA, TIA, N15K, N15K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TROLL, TROLL, SNA4, SNA4, SNA4, SNA4.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SNA4, SNA4, SNA4, SNA4, SNA4, SNA4.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like KKR Karatay Array, BRLS Borolady, and various other observatory sites.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like RLS Riolos of Patr, DRO Drossia, and various other observatory sites.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like SKO Skopje, GAO anakkale-G], GADA Gvgekade, and various other observatory sites.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like GII 13 16:57:14.3, 0.0, 37.238N, 0.002:21.318E, 0.001, h5km, and various other observatory sites.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like RLS Riolos of Patr, DRO Drossia, and various other observatory sites.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like SKO Skopje, GAO anakkale-G], GADA Gvgekade, and various other observatory sites.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PUNG, KUBS, AKAS, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KBA, ABTA, KOLS, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PRU, GHJAJ, PRA, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Minsk, Naroch, Uccle, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Long Mynd, Castelo Branco, Manteigas, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like NOA, NC303, TIO, etc.

13d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, H, Time, Res, ISC. Includes entries for QSPA, DZM, TAOE, PPT2, TBI.

CATAC 13 17:05:19.4:0.2,13°N,2°W, h8km,1km, M3.0/18, ML3.0/18, Error ellipse: s-maj=4.4km s-min=2.0km az=35.7, confirmed, NR=5

Main table for 13d 18h section with columns: Code, Station Name, Az, Az', Phase ID, H, Time, Res, ISC. Lists numerous stations like CRIN, HERN, HORN, POLN, etc.

RSNC 13 18:00:13.3:0.0,1°N,1°7'W, h8km,3km, M4.2, mB5.1, mb5.0, ML3.9, MLV4.6, m(Mw)4.2

IGQ 13 18:00:14.4:0.2,1°N,1°7'W, h4km,1km, MLv4.4/24, NEIC 13 18:00:19.4:1.9,0.65N,0.04x78.01W,0.05, h15km,1km, mb4.6/19.7, Error ellipse: s-maj=7.5km s-min=5.6km az=114.0

GCMT 13 18:00:19.5:0.3,0.65N,0.02x77.88W,0.02, h16km, MW5.0/81, Moment tensor: Solution. s9.c10: s81.c01; Duration: 0. Moment tensor: Scale 1.016Nm; Mw:1.1±.12; Mw:1.9±.07; Mw:2.0±.11; Mw:2.0±.26; Mw:0.7±.08; Mw:1.5±.34; Best double couple: M3.33100x10^16 Np1.326.00000°,s41.00000°,l131.00000°. Principal axes: T 3.2750, P1g33.0000°, Azm178.0000°; N 0.1130, P1g41.0000°, Azm53.0000°; P -3.3880, P1g31.0000°, Azm292.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

VAO 13 18:00:21.3:0.4,0.49N,77.34W, h10km, mb4.4 IDC 13 18:00:21.2:2.9,0.75N,77.87W, h33km,21km, mb4.1/15, mbtmp4.4/20, ML3.5/4, MS4.0/39 Error ellipse: s-maj=18.5km s-min=11.7km az=88.0

ISC 13 18:00:17.1:0.3,0.67N,0.02x77.89W,0.02, h10km,n330, e2503/252, mb4.6/104, M5.4/037, 40C-13D, Colombia-Ecuador border region

Main table for 13d 18h section with columns: Code, Station Name, Az, Az', Phase ID, H, Time, Res, ISC. Lists numerous stations like TULM, NLGL, CHL2, etc.

2019 MAY

Main table for 2019 MAY section with columns: Code, Station Name, Az, Az', Phase ID, H, Time, Res, ISC. Lists numerous stations like NIAS2, SUCR, BREF, etc.

704

Main table for 704 section with columns: Code, Station Name, Az, Az', Phase ID, H, Time, Res, ISC. Lists numerous stations like PDRP, SJJG, SJJG, etc.

Table with columns: Code, Station Name, Time, Res, and various technical details for stations like FFC, J05D, YBH, FCC, etc.

Table with columns: Code, Station Name, Time, Res, and various technical details for stations like GSPA, QSPA, VRAC, ARCES, etc.

Table with columns: Code, Station Name, Time, Res, and various technical details for stations like JCH, JCH, ASAJ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like U15A North Rim, SUA Sunita One, GLI Glacier Island, etc.

IDC 13 18:47:10.5:8.9, 19:53S~179:18W, h0km, mb3.5/3, mbtmp3.5/3, Error ellipse: s-maj=397.1km s-min=42.2km az=144.0, Fiji Islands region

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

NNC 13 18:52:10.9:3.8, 37:04N~71:13E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=33.0km s-min=31.0km az=103.0 IDC 13 18:53:07.8:2.1, 41:55N~73:32E, h0km, mb3.4/1, mbtmp3.1/5, ML2.4/4, MS3.2/1, Error ellipse: s-maj=45.9km s-min=24.2km az=161.0

ISC 13 18:52:06.5:3.2, 36:7N~102:71.4E, h0km, n10, z=204/10, 2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AAK Ala-Archa, KK31 Karatay Array, TKM2 Tokmak 2, etc.

TEH 13 19:01:56.6, 34:41N~45:65E, h10km, 298km ISC 13 19:01:56.2:0.6, 34:53N~45:67E, h21km, km, ML2.5 ISC 13 19:01:57.0:1.2, 34:44N~0:05:45.68E, 0:04, h4km, 13km, n10, z=1909/13, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASF Jabal al Asfar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KGSI Ghaz-e-Shirin, GLGI Gilan-e-Gharb, IDHR Dehrah, etc.

NEIC 13 19:03:40.4:2.6, 13:83N~0:09:92:77W, 0:05, h10km, 2km, mb4.5/152, Md4.4/77(MEX), Error ellipse: s-maj=15.6km s-min=5.6km az=199.0

GCG 13 19:03:41.3:1.5, 13:84N~92:78W, h20km, 10km, MD4.7, ML4.0, MW4.1

CATAC 13 19:03:42.6:1.0, 14:14N~93:35W, h10km, 6km, MA.3/8, ML4.4/38, Error ellipse: s-maj=11.5km s-min=8.6km

MEX 13 19:03:42.9:0.8, 13:95N~92:94W, h10km, 213km, MD4.4 SNET 13 19:03:44.7:1.2, 15:16N~92:92W, h15km, 999km, ML3.9

IDC 13 19:03:55.1:3.0, 14:57N~92:18W, h10km, 23km, mb3.9/12, mbtmp4.3/15, MS3.7/25, Error ellipse: s-maj=27.7km s-min=19.3km az=24.0

ISC 13 19:03:59.1:1.6, 13:85N~0:05:92:84W, 0:03, h7km, 9km, n440, z=242/423, mb4.5/73, MS3.7/23, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like THIG Thig, SMCA Catarina, RTAL Retalhuleu, etc.

IDC 13 19:03:59.1:1.6, 13:85N~0:05:92:84W, 0:03, h7km, 9km, n440, z=242/423, mb4.5/73, MS3.7/23, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MTO3 Montecristo, PION Piamonte, ESQI Esquiulas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FTIG Malinaltepec, MGIG Malinaltepec, JALCO Jalcomulco, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Barrow, Baldwin Pennin, Tukpalearik C, etc.

Code Station Name Az Az' Phase ID Time Res ISC
FITZ Fitzroy Crossi 20.67 185 P P 19 15 42.8 -0.4

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

IDC 13 19:11:01.6:1.5,2.63N-127.33E,h0km,mb3.2/5, mbtmp3.4/5,ML2.9/1, Error ellipse: s-maj=69.3km s-min=16.4km

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

IDC 13 19:18:01.0:1.5,1.42N-124.92E,h0km,mb3.3/4, mbtmp3.4/5,ML2.9/1, Error ellipse: s-maj=130.7km

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

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

NEIC 13 19:24:01.5:0.6,18.17N-0.06:67.32W,0.05,h26km,3km, ML3.6/90,MD3.3/15(RSPR), Error ellipse: s-maj=9.5km

SDD 13 19:24:02.0:0.9,18.14N-67.32W,h24km,7km,MD3.5, ML3.3,MMW3.4

RSPR 13 19:24:02.2:18.15N-67.34W,h15km,MD3.3/15

ISC 13 19:24:01.6:0.8,18.15N-0.03:67.31W,0.02,h25km,5km, n79,c0559/92,15C-9D,Mona Passage

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

MLPR Maguayes Islan 0.31 125f eP P 19 24 06.7 0.0

MLPR Maguayes Islan 0.31 125 eS S 19 24 10.0 -0.4

AGPR Aguadilla, PR 0.37 31f eP S 19 24 15.4 +0.2

AGPR Aguadilla, PR 0.37 31f eS S 19 24 15.5 +0.2

AGPR Aguadilla, PR 0.37 31f eP S 19 24 15.5 +0.2

AGPR Aguadilla, PR 0.37 31f eS S 19 24 15.5 +0.2

AGPR Aguadilla, PR 0.37 31f eP S 19 24 15.5 +0.2

AGPR Aguadilla, PR 0.37 31f eS S 19 24 15.5 +0.2

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AGPR Aguadilla, PR 0.37 31f eS S 19 24 15.5 +0.2

AGPR Aguadilla, PR 0.37 31f eP S 19 24 15.5 +0.2

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

IDC 13 19:26:13.8:2.2,3.68N-96.35E,h0km,mb3.3/3, mbtmp3.3/4,ML3.3/1,MS3.7/1, Error ellipse: s-maj=83.2km

DJA 13 19:26:19.7:0.5,4.7N-3.9E,h30km,11km,M3.4/7, ML3.3/2.7

ISC 13 19:26:21.4:0.9,4.20N-0.06:96.76E,0.06,h35km,n10, c195/13,mb3.4/3,Northern Sumatera

Code Station Name Az Az' Phase ID Time Res ISC

MLSI Meulaboh, Aceh 0.36 281 P Op P 19 26 29.0 -1.2

MLSI Lhok Sumawe 1.04 10 P S 19 26 38.5 +2.3

LHMI Tuntungan 1.93 111 P S 19 26 52.7 +0.9

PSI Prapat 2.57 123 P S 19 27 00.2 -0.5

PSI Prapat 2.57 123 P S 19 27 00.2 -0.5

PSI Prapat 2.57 123 P S 19 27 00.2 -0.5

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PSI Prapat 2.57 123 P S 19 27 00.2 -0.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Petro Terminal, San Vito, Golfito, David, De las Acacias, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Borovoye Array, FINESS Array B, HLW 13 20:31:21.1, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Elinore Mount, Monarch Peak, Ryan, Pinyon Flats, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDC 13 19:51:02.0, m3.3/7, m3.3/9, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like REN 13 20:45:26.8, NEIC 13 20:45:26.2, PAS 13 20:45:26.9, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Little Creek, Yuta Desert, Fries Hills D, Pine Spring, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GCG 13 19:58:28.4, Guatemala, El Palmar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WASM Alta Sierra Ca, DTP Desert Tortois, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFU Afiamalu, NIUE Niue, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDC 13 20:01:18, Vanuatu Islands, DZM Mont Dumac, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WARM Alta Sierra Ca, DTP Desert Tortois, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDC 13 20:24:59, Nicobar Islands region, H08S3 Diego Garcia, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GSC Goldstone, LCH Last Change Ra, SHOC Shoshone, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FOR Forest, KNRA Kununurra, FITZ Fitzroy Cross, etc.

13d 21h

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OSSC, FROS, TRIF, RUF, CASP, etc.

ROM 13:20:59.25:3.0.2,43.410N.0.10:11.33E.0.02,h4km±1km, ML1.9/9,1D,Error ellipse: s-maj=1.2km s-min=1.2km az=272.0,Central Italy

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CSNT, OSSC, FIR, RUF, CRMI, RIBO, SF11, etc.

2019 MAY

Table with columns: MGAB, POPM, ATTE, MAIM, BDI, GSCL, EMUI, MMUR, COR1, COR2, SAMA, SAMA, LRNO, LRNO. Includes stations like Montegabbione, Popiglio, etc.

NEIC 13 21:00:59.5:2.8,43.4N:0.1:147.8E:0.1,h10km,1km, mb4.4/56,Error ellipse: s-maj=20.0km s-min=13.5km az=144.0

MOS 13 21:01:01.8:0.9,43.37N:147.66E,h47km,mb4.5/10,Error ellipse: s-maj=9.7km s-min=7.7km az=119.8

JMA 13 21:01:03.0:0.3,43.4N:1.0:14.7E:1,h24km,MV4.3/32,OFF HOKKAIDO

NIED 13 21:01:03.0:43.36N:147.46E,h24km,MW3.9,Moment Tensor Solution. s3 Moment Tensor: Scale 10^14Nm; Mw=5.9, Mb=3.59, Ms=3.00, Mm=5.38, Mbr=0.99; Fault plane solution: Ms=6.60, N1P1: phi=304.000000, delta=23.000000, lambda=105.000000. NP2: phi=108.000000, delta=68.000000, lambda=84.000000

SKHL 13 21:01:03.4:0.2,43.40N:147.70E,h54km±2km,mb5.1/3, IDC 13 21:01:04.3:2.3,43.46N:147.59E,h49km±19km,mb3.8/21, mbmp4.0/24,ML3.2/3,MS3.0/7,Error ellipse: s-maj=23.4km s-min=14.9km az=170.0

ISC 13 21:01:00.6:3.4,43.38N:106.147.65E:0.05,h23km±24km,n296,e094/300,mb4.3/56,MS3.2/4,7C-2D,Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SHO, NEM2, NMR, YUK, GLVR, JKH, KUR, etc.

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Table with columns: ERM, JEM, JEM, JEM, JKA, JKA, ASAJ, YSS, YSS, JTM, JTM, JMM, JMM, MJAO, MJAR, MJAR, MJB9, MAJO, MAJO, YAK, YAK, YAK, YAK, HHC, HHC, HHC, HHC, ULN, ULN, H11N1, H11N2, H11N1, H11N3, SONM, SONM, H11S1, H11S2, H11S3, H11S2, P08K, NIKH, M11K, K13K, J14K, S12K, L14K, F15K, M14K, L15K, K15K, C16K, C16K, M15K, G16K, O15K, J16K, D17K, S14K, I17K, CHNA, L16K, E17K, F17K, F17K, G17K, M16K, J17K, O16K, E18K, E18K, L17K, C18K, C18K, F18K, F18K, M17K, H18K, H18K, G18K, G18K, O17K. Includes stations like Ermo, Kamakawa, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Bias, Elevation Bias, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Error, Elevation Bias Error, Azimuth Bias Rate Error, Elevation Bias Rate Error, Azimuth Bias Error Rate, Elevation Bias Error Rate, Azimuth Bias Error Rate Error, Elevation Bias Error Rate Error.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Bias, Elevation Bias, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Error, Elevation Bias Error, Azimuth Bias Rate Error, Elevation Bias Rate Error, Azimuth Bias Error Rate, Elevation Bias Error Rate, Azimuth Bias Error Rate Error, Elevation Bias Error Rate Error.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error, Azimuth Bias, Elevation Bias, Azimuth Bias Rate, Elevation Bias Rate, Azimuth Bias Error, Elevation Bias Error, Azimuth Bias Rate Error, Elevation Bias Rate Error, Azimuth Bias Error Rate, Elevation Bias Error Rate, Azimuth Bias Error Rate Error, Elevation Bias Error Rate Error.

13d 21h

Table with columns: ID, Name, RA, Dec, Mag, Type, and other details. Includes entries like H29M Whitestone, H29M comp=N,2um,0.4s, H29M comp=E,2um,0.7s, etc.

2019 MAY

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Table with columns: ID, Name, RA, Dec, Mag, Type, and other details. Includes entries like H22K Toolik Lake Re, H22K comp=N,185nm,1.2s, H22K comp=N,146nm,1.2s, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other details. Includes entries like L19K White Mountain, M19K Big River Lodg, P33M Teslin, Yukon, etc.

DC 13 21:27:29.0,6,37:72N:21:28E, h0km, mb4.2/20, mbmp4, 1/34, ML3.8/12, MS3.4/29, Error ellipse: s-maj=12.1km s-min=10.9km az=172.0, HLW 13 21:27:29.5,37:79N:21:56E, h20km, g8km, M4.6, MI3.9, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and other details. Includes entries like CLEM Kyllini,IIia,G, CLEM Lithakia, LTHK Lithakia, etc.

Table with columns for call sign, name, frequency, mode, and other details. It lists various radio stations and their operational parameters across multiple columns.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, and other technical details for stations like CLL, KOP DAGI, MARDI, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, and other technical details for stations like BELG, NC602, FINESS, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, and other technical details for stations like PZH, CHTO, CMAR, etc.

TEH 13 21:42:05.4, 34.37N:45.64E, h8km:17km
IDC 13 21:42:05.6:2.3, 34.53N:45.23E, h0km, mb3.9/7,
mbmp3.8/8, ML3.9/1, MS3.3/1, Error ellipse: s-maj=45.1km
s-min=27.0km az=161.0

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, SNR, and other technical details for stations like KGS1, GLG1, etc.

14d Oh

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KSRS Korea Array, LSZ Lusaka, TSM Tsumeb, etc.

UPP 13 23:27:27.3:0.1, 67.83N:20:22E, h0km, ML2.7, Unknown, Sweden

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KUA Kuravaara, KATU Laukkuuspa, etc.

ISK 13 23:54:34.4, 38:11N:26:03E, h7km, ML2.5/17
ATH 13 23:54:35.2, 38:10N:26:18E, h13km, 6km, ML2.4/5
Manual Solution by A. Plessa First location: 2019/05/13
23:55:54, This location: 2019/05/14 06:05:52 ML
Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 5 km; Longitude uncertainty: 9 km

AFAD 13 23:54:36.5, 38:16N:26:17E, h7km, 2km, ML2.6

ISC 13 23:54:35.2:1.0, 38.12N:02:26.13E:0.03, h18km, 6km, n37, o981/55, Aegean Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CESE eme, ZEVE Izmir, etc.

2019 MAY

Table with columns: ZEDA, Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like DKL Dikili, APE Apeiranthos, etc.

JMA 13 23:56:07.9:0.4, 44:1N:14:8E, h0km, MV3.8/18, SE OFF ETOROFU

SKHL 13 23:56:09.0:0.2, 44:40N:148:20E, h45km, 4km, mb4.6/4

ISC 13 23:56:06.4:3.0, 44:35N:109:148:2E:0.2, h1km, 12km, n15, o120/23, Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KUR Kuril'sk, SHO Shikotan, etc.

ISC 14 00:02:46.9:0.9, 17:63S:167:91E, h0km, mb4.1/8, mbmp4.1/9, ML3.7/1, MS3.6/4, Error ellipse: s-maj=32.4km s-min=21.4km az=105.0

NOU 14 00:02:49.4, 17:62S:167:79E, h0km, MLV4.78, Vanuatu Islands

NEIC 14 00:02:52.8:1.3, 17:75S:0:04:167:6E:0.2, h10km, 2km, mb4.4/1.5, Error ellipse: s-maj=25.5km s-min=2.4km az=100.0

ISC 14 00:02:52.0:0.6, 17.61S:0:07:167.75E:0.08, h27km, n53, o117/51, mb4.2/16, MS3.5/3, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like INH Isangel, KOUNC Koumang, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AS31 Alice Springs, ASAR Alice Springs, etc.

MOS 14 00:20:35.7:0.9, 12:81S:45:40E, h10km, mb5.0/54, Error ellipse: s-maj=8.8km s-min=4.5km az=94.9

IDC 14 00:20:36.2:0.4, 12:82S:45:49E, h0km, mb4.6/30, mbmp4.6/31, ML4.9/2, MS3.9/35, Error ellipse: s-maj=16.3km s-min=11.1km az=87.0

BUI 14 00:20:37.4, 12:84S:45:73E, h0km, mb5.0/8, mb4.8/31, Ms4.5/3, Ms7.4/31

NEIC 14 00:20:38.4:1.4, 12:84S:0:07:45:45E:0.08, h10km, 1km, mb5.0/115, Mmw5.0/8, Error ellipse: s-maj=13.9km s-min=12.0km az=262.0

GCMT 14 00:20:40.4:0.3, 12:81S:0:01:45:39E:0.02, h24km, MV4.9/94, Moment Tensor Solution, s30:c37; s94:c142; Duration: 0 Moment tensor: Scale 10^16Nm; Mrz:49e-21; Mw:2.9e3; 13; Mw0.4e2; 12; Mw0.01; 14; Mw:1.4e6; 08; Mw:0.01; 18; Best double couple: 845.000000; 1.016 NP1:0.25000000; 845.000000; 1.89000000; NP2:0.70000000; 845.000000; 1.91000000; Principal axes: T 2.4900, P1g90.0000; Azm61.0000; N 1.0200, P1g0.0000; Azm250.0000; P -3.5130, P1g0.0000; Azm160.0000; Azm175.0000; N 1.0200, P1g0.0000; Azm160.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 14 00:20:37.1:0.3, 12.83S:0:04:45:46E:0.04, h10km, n511, o1967/513, mb5.0/36, MS3.9/42, 34C-26D, Northwest of Madagascar

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SBV Sambava, OPO Ambohidratompo, etc.

Table with columns: Station, Time, Frequency, Mode, and Signal. Includes stations like KDWAN, FURI, GMARE, etc.

Table with columns: Station, Time, Frequency, Mode, and Signal. Includes stations like DBIC, AKT, AKT, AKT, etc.

Table with columns: Station, Time, Frequency, Mode, and Signal. Includes stations like CMAR, CMAR, CMAR, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like KBA, ABTA, VNA2, VNA1, MOA, BIOA, SLVN, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like SUW, SUEB, KURBB, ESSBB, ESDD, ESDC, ESDD, KURK, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like LUWI, KONO, KONO, NORSAR, NOA, NOA, NBOA, etc.

TXAR Lajitas Array 146.9 305 PKPbc PKPbc 00 40 20.3 -0.6
TXAR Lajitas Array 146.9 305 PKPbc PKPbc 00 40 20.4 -0.5
NVAR Mina Array Beas 150.70 333 PKPbc PKPbc 00 40 25.2 +0.5

IDC 14 00:46:57.45.0.51.485x139.58E, h0km, mb3.7/2,
mbmp3.7/3, ML4.0/1, MS3.6/6, Error ellipse:
s-maj=252.0km s-min=42.4km az=102.0

Code Station Name Az Az' Phase ID Time Res
STKA Stephens Creek 19.2 5 P ISC h m s ISC
STKA Stephens Creek 19.2 5 P ISC 00 51 28.0 +0.1
ASAR Alice Springs 28.16 349 P P 00 52 50.5 -0.3

GCG 14 01:05:02.4.2.2.1.5:62N:90.21'W, h1km, 7km, MD4.0,
MW3.1
CATAC 14 01:05:03.1±0.3, 16°N, 2°9'0W, h1km, M3.5/13,

Code Station Name Az Az' Phase ID Time Res
AVCB Coban 0.6 231 ep Pg 01 05 06.9 -0.6
AVCB Coban 0.6 231 ep Pg 01 05 10.8 -0.1
HUEH Huehuetenango 1.30 256 i S Sn 01 05 46.1 +0.7

IDC 14 01:21:21.7-0.9, 49:39S; 125:25E, h0km, mb4.1/7,
mbmp4.1/7, MS3.8/14, Error ellipse: s-maj=50.3km
s-min=17.3km az=100.0

Code Station Name Az Az' Phase ID Time Res
MGBR Mount Gambier 16.09 49 Pn P 01 25 10.9 +1.5
H01W1 Cape Leeuwin H 16.71 326 T T 01 42 14.3
H01W2 Cape Leeuwin H 16.71 326 T T 01 41 52.0

WRA LR LR 01 38 41.3
FITZ Fitzroy Crossi 31.29 1 P LR 01 39 10.6
VANDA Vanda 31.39 166 P I Amb 01 27 44.9 +1.3

IDC 14 01:36:44.8±1.9, 12:7N:0.1±1.23'E:0.1, h35km, 2km,
mb4.3/24, Error ellipse: s-maj=24.5km s-min=18.4km
az=108.0

Code Station Name Az Az' Phase ID Time Res
WRA Warramunga Arr 34.25 162 P P 01 43 26.4 -1.2
WRR Warramunga Arr 34.25 162 P I Amb 01 43 41.9
ASAR Alice Springs 37.60 164 P P 01 43 57.2 +1.0

IDC 14 01:36:44.8±1.9, 12:7N:0.1±1.23'E:0.1, h35km, 2km,
mb4.3/24, Error ellipse: s-maj=24.5km s-min=18.4km
az=108.0

IDC 14 01:36:41.7-0.7, 12:8N:0.1±1.23'E:0.1, h13km, n41,
r125/33, mb4.2/19, Lix

Code Station Name Az Az' Phase ID Time Res
DAR Davao City (W) 6.00 161 LR LR 01 41 14.4
CMV Chiang Mai Arr 24.43 286 P P 01 42 00.5 +0.1
LHMI Lhok Sumawe 27.39 256 P P 01 42 25.2 -1.9

IDC 14 01:41:17.4±0.5, 6:32S:128:03E:0.08, h35km, n54,
r098/54, mb4.0/13, Banta

Code Station Name Az Az' Phase ID Time Res
SANI Sanana 4.71 334 P P 01 43 33.7 -0.3
SOEI Soe 5.05 227 P Pn 01 43 39.7 +1.9
FAKI Fak Fak 5.40 512 P Pn 01 43 41.1 -0.5

n39, r102/49, mb4.0/7, 2C-2D, Near coast of northern
Chile
Code Station Name Az Az' Phase ID Time Res

IDC 14 01:41:17.4±0.5, 6:32S:128:03E:0.08, h35km, n54,
r098/54, mb4.0/13, Banta

Code Station Name Az Az' Phase ID Time Res
SAMI Samuel 11.73 38 Pn P 01 42 11.4 -1.5
MACA Manacapuru-AM 17.79 34 P I Amb 01 43 30.6 -1.4
MACA Manacapuru-AM 17.79 34 P I Amb 01 43 37.9

IDC 14 01:41:17.4±0.5, 6:32S:128:03E:0.08, h35km, n54,
r098/54, mb4.0/13, Banta

Code Station Name Az Az' Phase ID Time Res
SANI Sanana 4.71 334 P P 01 43 33.7 -0.3
SOEI Soe 5.05 227 P Pn 01 43 39.7 +1.9
FAKI Fak Fak 5.40 512 P Pn 01 43 41.1 -0.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Grenada Fort F, Grenville, Mount Saint Ca, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Vila Bispo, Sao Teotonio, San Pablo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Palemas, Smir Dam, Ceuta, Nerja, Sierra Gorda, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Sierra Gorda, Espera, Estepa, Montargil, etc.

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

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Granatula de C, Castro Verde, Beja, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Vila Bispo, Sao Teotonio, San Pablo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Evora, Estremoz, Sonseca Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Sonseca Array, Marv'??, Montargil, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Placencia, Universidad Co, Castelo Branco, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Warramunga Arr, Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Wether Hill Ro, Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Wether Hill Ro, Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Wether Hill Ro, Stephens Creek, etc.

Table with 10 columns: Station Name, Az, AZ*, Phase ID, Time, Res. Includes stations like TR2, HRFI, MBRI, etc.

CATAC 14 06:12:10.3:0.4, 13°N, 93°8'W, h34km, 3km, M2, 8/22, MLV2, 8/22, Error ellipse: s-maj=7.2km s-min=2.4km az=21.9, confirmed

SNET 14 06:12:11.1:0.9, 13°06'N-88°76'W, h55km, 9km, ML2.5 GCG 14 06:12:11.7:3.3, 13°73'N-88°87'W, h109km, 97km, MD3.5

ISC 14 06:12:10.4:1.4, 12.94N, 0.008:88.77W:0.04, h55km±13km, n79, ±0.64/96, Off coast of central America

Large table with 10 columns: Code, Station Name, Az, AZ*, Phase ID, Time, Res. Lists many stations including ALJI, TECO, RANC, etc.

Table with 10 columns: Station Name, Az, AZ*, Phase ID, Time, Res. Includes stations like HERN, POLN, POLN, etc.

IDD 14 06:14:58.2:3.4, 54°32'N-87°35'E, h0km, mbtmp2.7/2, ML2, 4/2, Error ellipse: s-maj=29.7km s-min=21.6km az=37.0

ASRS 14 06:14:59.0:0.8, 54°25'N-87°08'E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with 10 columns: Code, Station Name, Az, AZ*, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, etc.

IDD 14 06:18:58.8:4.2, 15°02'N-92°10'W, h0km, mb3.3/4, mbtmp3.5, ML3.2/1, Error ellipse: s-maj=149.2km s-min=69.6km az=45.0

GCG 14 06:19:11.5:2.2, 15°02'N-93°10'W, h36km, 999km, MD4.2 MEX 14 06:19:11.6:0.7, 14°36'N-93°20'W, h47km, 17km, MD4.4

CATAC 14 06:19:12.8:0.5, 15°N, 93°W, h9km, 43km, ML4.2/16, mb4.0/2, mb4.5/1, MLV4.3/16, Mw(mB)3.7/1, Error ellipse: s-maj=10.8km s-min=3.7km az=19.4, confirmed

SNET 14 06:19:16.1:1.1, 14°33'N-92°62'W, h159km, 43km, ML4.2 ISC 14 06:19:08.4:2.7, 14°39'N-92°55'W, h0.03, h31km±22km, n90, ±2.28/118, mb3.4/4, 1C-1D, Near coast of Chiapas

Table with 10 columns: Code, Station Name, Az, AZ*, Phase ID, Time, Res. Lists many stations including PCIG, SOKI, THIG, etc.

ISC 14 06:35:12.8:1.1, 49°52'N:0°05:17°57'E:0.06, h7km, n6, ±0.25/9, Czech and Slovak Republics

Table with 10 columns: Code, Station Name, Az, AZ*, Phase ID, Time, Res. Lists many stations including MORC, MORC, JAVC, etc.

Table with 10 columns: Station Name, Az, AZ*, Phase ID, Time, Res. Lists stations like JAUW, MGIG, Tlig, etc.

PDAR Pinedale Array 31.04 336 P P 06 25 21.4 -2.3 NVAR Mina Array Bea 32.17 321 P P 06 25 34.1 +0.5

YKA Yellowknife Ar 49.80 347 P P 06 27 54.6 -3.3 ILAR Eielson Array 61.47 337 P P 06 29 20.1 -1.6

CMAR Chiang Mai Arr 146.73 340 P P 06 38 38.8 -2.7 DJA 14 06:19:38.0:0.3, 8°5'±11°6'E, h10km, M3.9/13, mb4.2/2, MLV3, 8/13, Sumbawa region

Table with 10 columns: Code, Station Name, Az, AZ*, Phase ID, Time, Res. Lists stations like SRBI, DNP, PLAI, etc.

DJA 14 06:32:11.1:±0.2, 8°S:4°±11°6'E, h10km, M4.1/15, mb4.3/4, MLV4, 0/15

ISC 14 06:32:13.0:2.0, 8°27'S:116°98'E, h0km, mb3.6/3, mbtmp3.7/5, ML3.7/2, MS3.0/4, Error ellipse: s-maj=43.1km s-min=23.3km az=66.0

ISC 14 06:32:13.1:1.0, 8.25S:107°11'6"48E:0.04, h35km, n22, ±1.80/21, Sumbawa region

Table with 10 columns: Code, Station Name, Az, AZ*, Phase ID, Time, Res. Lists stations like TWSI, SRBI, GMJI, etc.

ASCAR Alice Springs 22.67 135 P P 06 37 12.2 +0.7 CMAR Chiang Mai Arr 31.68 327 LR LR 06 52 36.8

MKAR Makanchi Array 62.68 334 P P 06 42 41.2 +6.9 KIRV Kirov 85.37 331 LR LR 07 27 11.7

Table with 10 columns: Code, Station Name, Az, AZ*, Phase ID, Time, Res. Lists stations like MORC, MORC, JAVC, etc.

GCG 14 06:36:02.5:1.9, 14°92'N-93°04'W, h84km, 23km, MD4.1 MEX 14 06:36:03.7:0.6, 15°00'N-93°17'W, h60km, 15km, MD4.0

ISC 14 06:35:59.4:2.1, 14.39N, 0.10:93°17'W:0.09, h85km±18km, n12, ±2.08/92, Near coast of Chiapas

Table with 10 columns: Code, Station Name, Az, AZ*, Phase ID, Time, Res. Lists stations like PCIG, PCIG, THIG, etc.

Table with columns: Station Name, Time, Frequency, Modulation, Power, Azimuth, Elevation, SNR, and other technical details for various stations like PET, INSR, BZMR, etc.

Table with columns: Station Name, Time, Frequency, Modulation, Power, Azimuth, Elevation, SNR, and other technical details for stations like Port Wells, ELAR, D25K, etc.

Table with columns: Station Name, Time, Frequency, Modulation, Power, Azimuth, Elevation, SNR, and other technical details for stations like SDV, SDV, SDV, etc.

BUT 14 07:46:21.3; 1.7, 46.189N, 0.03; 112.677W, 0.04, h13km, 4km, Error ellipse: s-maj=5.5km, s-min=2.8km, az=209.0

NEIC 14 07:46:20.6; 1.9, 46.88N, 0.03; 112.717W, 0.03, h13km, 5km, ML3.0/24, ML3.1/29(BUT), Error ellipse: s-maj=5.2km

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

Table with columns: Station Name, Location, Time, Magnitude, Quality, Direction, and Earthquake Details. Includes stations like POPC Popayan, CHIV Chivirico, NMDO Nuevo Mundo, etc.

Table with columns: Station Name, Location, Time, Magnitude, Quality, Direction, and Earthquake Details. Includes stations like LR05 Currie, PLCA Paso Flores, PLCA Paso Flores, etc.

Table with columns: Station Name, Location, Time, Magnitude, Quality, Direction, and Earthquake Details. Includes stations like KURK 1.1nm,0.7s, KURBB Kurchatov Arra, etc.

STR 14 08:07:48.9.0.5, 46°N 2°E, h0km, MLV1.4/6, Error ellipse: s-maj=0.0km s-min=0.0km az=144.7, preliminary, France

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Residual Error. Includes stations like OGSMS Saint Maurice, OGSMS Corcelles, etc.

ISN 14 08:08:43.0.5, 32°33'N 45°57'E, h14km, ML3.8, TEH 14 08:08:43.6, 32°34'N 45°56'E, h11km, GIL 14 08:09:28.9.0.4, 32°34'N 45°56'E, h11km, confirmed ISC 14 08:08:45.3.0.9, 32°39'N 45°04'56"E, 0.05, h10km, n31, e194/25, Iraq

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

ROM 14 08:10:27.0.7, 43°04'N 0°03'56"E, 0.06, h0km, ML2.6/18, Error ellipse: s-maj=5.7km s-min=2.4km az=245.0

STR 14 08:10:29.9.0.6, 43°N 4°E, h0km, MLV2.6/12, Error ellipse: s-maj=0.0km s-min=0.0km az=26.6, preliminary MDD 14 08:10:29.0.4, 43°09'N 5°57'E, h1km, 3km, Mb3.8/20, ML mb3.0/20, Error ellipse: s-maj=2.9km s-min=1.7km az=163.0

ISC 14 08:10:27.4.0.9, 43°08'N 0°03'56"E, 0.02, h0km, n91, e089/11.7C, Near south coast of France

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

ASRS 14 08:05:03.0.0.8, 53°64'N 87°97'E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 14 08:05:04.3.2.9, 53°56'N 87°95'E, h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=27.4km s-min=17.1km az=56.0

NMC 14 08:05:05.2.3.2, 53°54'N 87°82'E, h0km, mb3.1, mpv2.8, Error ellipse: s-maj=24.0km s-min=15.4km az=61.0, Suspected Mining explosion.

ISC 14 08:05:04.2.3.5, 53°8'N 02°87'38"E, 0.2, h0km, n8, e19/11, 10C-1D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Residual Error. Includes stations like H46RU ZALESOVO INFRA, ZAAO Zalesovo Array, etc.

Table with columns: Station Name, Azimuth, Distance, Magnitude, P, S, B, M, Time, Res. Includes stations like Giardini Botan, Jausiers, Crivoux, etc.

Main table with columns: Code, Station Name, Azimuth, Distance, Magnitude, P, S, B, M, Time, Res. Includes stations like Villasalto, Ofenpass-Fuorn, Torrete, etc.

Table with columns: Station Name, Azimuth, Distance, Magnitude, P, S, B, M, Time, Res. Includes stations like San Jose, Huehuetenango, Universidad Ca, etc.

Table with columns: SHEM, SMY, MTBL, SP1A, UNIV, UNRV, AKRB, LVA, AKUT, AKUT, ISNUN, FALS, FALS, FALS, S12K, S12K, SDPT, SDPT, SDPT, M11K, M11K, CNBA, CHNA, CHNA, S14K, M13K, O14K, O14K, N14K, N14K, O15K, O15K, K13K, K13K, M14K, M14K, L14K, L14K, GAMB, R16K, N15K, N15K, M15K, P16K, P16K, L15K, O16K, O16K, J14K, J14K, CHIR, CHIR, CHIR, N16K, K15K, K15K, Q16K, M16K, M16K, Q17K, O17K, P17K, L16K, L16K, ACHA, N17K, N17K, S11, S11, S11, ANM, ANM, Q18K, M17K, M17K, P18K, J16K, J16K, L17K, O18K, O18K, N18K, N18K, OHAK, OHAK, OHAK, K17K, K17K, F14K, I17K, I17K, G15K, Q19K, Q19K, J17K, J17K, H16K, M18K, L18K, L18K, O19K, O19K, KDAK, KDAK, KDAK, N19K

Table with columns: N19K, F15K, F15K, P19K, P19K, Q20K, SYI, G16K, G16K, TTA, TTA, TTA, L19K, L19K, L19K, J18K, J18K, M19K, M19K, H17K, H17K, H17K, G17K, G17K, HOM, HOM, CNPM, CNPM, L20K, L20K, M20K, PETK, H18K, H18K, N20K, SPCR, J19K, J19K, BRLK, BRLK, GCSA, BRSE, F17K, F17K, F17K, K20K, K20K, K20K, STLK, STLK, G18K, G18K, SKT, SKT, SKT, E17K, E17K, SLKM, J20K, J20K, F18K, SUA, SUA, PPLA, PPLA, PPLA, H19K, H19K, O22K, O22K, SEW, SEW, SEW, D17K, D17K, CAST, CAST, RC01, RC01, G19K, G19K, G19K, M22K, M22K, E18K, E18K, RD0G, RD0G, RD0G, H20K, H20K, CUT, CUT, CUT, F19K, F19K, PMR, PMR, KTH, KTH, PWT, PWT, PWT, GHO, GHO, GHO, N19K

Table with columns: KNK, TRF, BPAW, P23K, SML, E19K, E19K, I21K, I21K, H21K, F20K, C18K, BILL, BILL, M23K, GLI, RND, G21K, G21K, SCM, SCM, MCK, MCK, FID, D19K, D19K, B18K, H22K, EYAK, EYAK, NEA2, F21K, E20K, KLU, I23K, M24K, M24K, D20K, D20K, H23K, F22K, BMRM, BMRM, HDA, HARP, E21K, G23K, PAX, PAX, PAX, ILAR, ILAR, K24K, K24K, COLD, COLD, H24K, SEY, C21K, E22K, E22K, E22K, B20K, CROE, RIDG, RIDG, D22K, D22K, J25K, J25K, MCARA, MCARA, MCARA, B21K, B21K, MENT, MENT, DOT, DOT, G24K, G24K, M26K, M26K, M26K, E23K, L26K, L26K, PRP, PRP, SCRK, SCRK, F24K, F24K, F24K

729

Table of fishing reports for 729, listing stations such as Granite Creek, Birch Creek, and Nanushuk River, along with dates, times, and conditions.

2019 MAY

Table of fishing reports for 2019 MAY, listing stations such as Wrangell Island, Sheldon Lake, and Inuk, along with dates, times, and conditions.

14d 9h

Table of fishing reports for 14d 9h, listing stations such as LASA Array, Greenwater Val, and Toone Array, along with dates, times, and conditions.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like Lanzhou, Wichita Falls, Ozone, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like Karatay Array, Ala-Archa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like Zalesovo Beam, Kurbatov Arra, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like Chichi jima, Haha-jima-NKT2, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like Boso 3, Boso 4, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like TIXI, MYKOM, WB0, WR0, WR8, WRAB, WB2, WRA, FITZ, RPSI, EVN, ZAA0, ZALV, K15K, MK31, MKAR, MKAR, MKAR, H16K, C16K, N16K, R16K, M16K, I17K, P16K, O16K, AS31, ASAR, ASAR, D17K, G17K, J17K, L17K, F17K, F17K, E17K, O17K, H17K, Q16K, K17K, M17K, N17K, CHIR, Q17K, E18K, F18K, L18K, H18K, NR1K, NR1K, NR1K, N18K, C18K, G18K, G18K, B18K, Q18K, O18K, J18K, R18K, S18K, KURK, KURK, KURB, F19K, A19K, O19K, L19K, J19K, H19K, M19K, D19K, E19K, L20K, KDAK, KDAK, K20K, K20K, H20K.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like I20K, Q20K, J20K, J20K, F20K, D20K, D20K, E20K, B20K, N20K, SPCR, PPLA, G21K, CAST, CAST, H21K, C21K, E21K, B21K, BPAW, A22K, F22K, H22K, O22K, RC01, TRF, D22K, SEW, B22K, E22K, PMR, G23K, COLD, COLD, I23K, MCK, MCK, RND, RND, H23K, NEA2, NEA2, SML, SML, D23K, C23K, C23K, E23K, E23K, TOLK, SCM, SCM, GLI, H24K, E24K, D24K, D24K, F24K, F24K, HDA, HDA, C24K, C24K, C24K, G24K, IL31, ILAR, ILAR, M24K, KLU, EYAK, K24K, G25K, PAX, ARSB, H25L, HARP, PRP, J25K, D25K, F25K, RIDG, E25K, E25K, BMRM, BVAR.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like BRVK, BMAR, DOT, SCRK, SCRK, F26K, F26K, J26L, J26L, G26K, L26K, I26K, MCARA, M26K, STKA, C27K, C27K, NIL, KK31, KKAR, K27K, M27K, L27K, G27K, H27K, E27K, CTG, CTGM, D27M, D27M, YUK3, I28M, I28M, GAR, O28M, E28M, E28M, YUK8, D28M, PNL, H29M, G29M, G29M, E29M, E29M, YUK4, M29M, L29M, L29M, SIMJ, SIMJ, K29M, K29M, EPYK, P29M, G30M, I30M, F30M, F30M, KBL, PLBC, G31M, H31M, H31M, INK, INK, INK, SKAG, ARTI, ARTI, A36M, AB31, AB31, C36M, C36M, AKTO, KIRV, EUNU, EUNU, YKA, RES, RES, BELG, WISH, ARCES.

Table with columns: YBH, Reka Blue Hor, 75.53 50 P, 09 42 33.2 +1.6, comp-Z:1.0nm,0.8s,baz=306,slow=1.1,SNR=11

THE 14 09:35:05.7,38'N.21.3E.0.9,h11km,2km,M3.2/14,MLH3.2/14

ATH 14 09:35:06.8,37.69N.21.28E,h18km,3km,M3.2/12,Manual Solution by F.Xalaris First location: 2019/05/14 09:36:02, This location: 2019/05/14 10:34:46 ML

IDC 14 09:35:08.0,3.2,33.33N.21.16E,h0km,mb3.6/4,mbmp3.6/5,Error ellipse: s-maj=72.1km s-min=29.3km az=1.0

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

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

NEIC 14 09:37:37.0,1.9,49.17N.0.07,128.8W.0.1,h10km,2km,mb4.1/150,Error ellipse: s-maj=14.3km s-min=9.7km az=236.0

IDC 14 09:37:36.7,1.6,49.07N.0.08,128.8W,h0km,mb3.7/4,

14d 10h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ANN Anapa, MARD Mardin, FINES FINES Array B, etc.

2019 MAY

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like D19K IAMB IAMB, B21K Ipkipuk River, D20K Etivluk River, etc.

734

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ARCES ARCES Array B, ARCES ARCES Array B, ARCES ARCES Array B, etc.

Table with columns: UNIC, Universidad Ca, 0.79 357, eP, Pn, 10 15 02.5 -1.1, EFT4, Calliham, 1.10 224, P, Pg, 10 52 41.7 -0.5

Table with columns: EFT4, Calliham, 1.10 224, P, Pg, 10 52 41.7 -0.5, EFT4, Calliham, 1.10 224, P, Pg, 10 52 41.7 -0.5

Principal axes: T 3.2247, Plg18.0000°, Azm319.0000°; N -0.9531, Plg6.0000°, Azm227.0000°; P -2.2716, Plg71.0000°, Azm119.0000°;

IDC 14 10:17:17.7-0.3, 49.465x124.54E, h0km, mb3.74, mbtmp3.7/4, MS3.3/1, Error ellipse: s-maj=115.8km

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, STKA, Stephens Creek, 21.73 42, Op, P, 10 22 10.4 0.0

FW13 Cleburne, 3.10 2, Iamb_Lg, Pn, 10 53 12.4 +2.4

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, FW13, Cleburne, 3.10 2, Iamb_Lg, Pn, 10 53 12.4 +2.4

Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, MHGZ, Mahia Peninsul, 0.45 299, Op, P, 11 16 49.7 +1.1

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, MHGZ, Mahia Peninsul, 0.45 299, Op, P, 11 16 49.7 +1.1

IDC 14 10:50:07.0-0.3, 6.39S, 143.12E, h0km, mb3.6/3, mbtmp3.6/6, ML3.2/3, Error ellipse: s-maj=75.0km

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, JAY, Jayapura, 4.68 328, Op, P, 10 51 18.9 -0.6

ABTX Abilene, Hawle, 3.82 333, Iamb_Lg, Pn, 10 53 20.1 +0.2

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, ABTX, Abilene, Hawle, 3.82 333, Iamb_Lg, Pn, 10 53 20.1 +0.2

Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, URZ, Urewhera, 1.50 317, Pn, 11 17 03.6 -0.4

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, URZ, Urewhera, 1.50 317, Pn, 11 17 03.6 -0.4

TXNET 14 10:52:20.4, 29.2N, 0.9-97.5W, 0.8, h4km, mb1.3, ML3.4/18, Error ellipse: s-maj=1.6km s-min=0.9km az=143.2, final

NEIC 14 10:52:21.4, 0.8, 29.26N, 0.02-97.63W, 0.02, h5km, 2km, mb_Lg3.1/73, Error ellipse: s-maj=3.8km s-min=2.8km az=126.0

IDC 14 10:52:20.9-0.8, 29.24N, 0.02-97.56W, 0.02, h9km, 6km, n104, s19/07/137, 7C-1D, Central Texas

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, EF54, Nixon, 0.10 218, Op, P, 10 52 23.0 -0.5

ALPN Alpine, 5.41 284, Pn, 10 53 42.4 +0.6

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, ALPN, Alpine, 5.41 284, Pn, 10 53 42.4 +0.6

Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, URZ, Urewhera, 1.50 317, Pn, 11 17 03.6 -0.4

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, URZ, Urewhera, 1.50 317, Pn, 11 17 03.6 -0.4

MLDN Muldoon, 0.69 38, Iamb_Lg, Sb, 10 52 44.5

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, MLDN, Muldoon, 0.69 38, Iamb_Lg, Sb, 10 52 44.5

IDC 14 11:16:34.9-0.6, 39.12S, 178.54E, h0km, mb4.7/11, mbtmp4.7/12, ML4.4/1, MS4.2/37, Error ellipse: s-maj=23.6km s-min=14.2km az=54.0

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, BU, 14 11:16:36.6, 40.08S, 177.77E, h19km, mb5.5/6, mb5.4/11, Ms4.8/4, Ms7.4/5

Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, URZ, Urewhera, 1.50 317, Pn, 11 17 03.6 -0.4

Table with columns: Code, Station Name, Δ°, Az°, Phase ID, Time Res, h m s, ISC, URZ, Urewhera, 1.50 317, Pn, 11 17 03.6 -0.4

14d 11h

2019 MAY

Table with columns for station name, frequency, power, polarization, and location. Includes stations like KMRZ, TLZ, OHWZ, MRZ, etc., and their respective details.

Table with columns for station name, elevation, frequency, mode, and other parameters. Includes stations like YSS, LPIG, SHEM, USRK, NNA, CMAR, ELA, ELN, ELK, CPUP, YBH, LPZA, PZH, PZL, KLR, PRN, KNB, KND, KDAD, ELK, XLT, XLT, HHC, HHC, BTO, BTO, BTO, BTO, PDAR, ILAR, ILAR, YKA, YKA, YKA, TXI, WMQ, MKAR, MKAR, MKAR, MKAR, KSH, AAK, KURK, KURB, NRK, KKAR, KKAR, EVAR, BRVK, ARTI, BELG, LVZ, GEVA, NCK, ARCES, ARCES, ARCES, KBZ, KLMR, SHA1, KIV, KIV, MARD, VRH, KOPT, VSLR, SBZ, SOC, SOC, ARPP, VORR, VORR, VORD, VORD, LPSR, LPSR, VSR, VSR, MOS, MOS, GAZ.

Table with columns for station name, elevation, frequency, mode, and other parameters. Includes stations like MMAI, OBN, BNN, CSS, FIA1, FINES, FINES, BR131, BR131, BR131, BRTR, ILGA, TORD, AKOS, NOA, HFS, EKA, ESCD, MEX, PCIG, PCIG, NLT, NIET, THIG, THIG, PATR, PATR, PAV, PAV, HUIG, HUIG, TGIG, TGIG, TGIG, TGIG, CCIG, CCIG, RTAL, RTAL, HUEH, HUEH, STG8, STG8, STG5, STG5, PEIG, PEIG, NEUV, NEUV, YOIG, YOIG, PNIG, PNIG, TXIG, TXIG, TOIG, TOIG, PETF, PETF, FTIG, FTIG, FTIG, FTIG, MSVF, MSVF, FUTU, FUTU, PINN, PINN, OZM, OZM, EIDS, EIDS, ARMA, ARMA, PMG, PMG, COEN, COEN, STKA, STKA, STKA, STKA, BBOD, BBOD, WRR, WRR, WBO, WBO, WRA, WRA, WRA, AS31, AS31, ASAR, ASAR, ASAR, MTN, MTN, KNRA, KNRA, PSAO, PSAO, SBA, SBA, VYDA, VYDA, ADK, ADK, ATKA, ATKA, QSPA, QSPA, QSPA, QSPA, UNV, UNV, PEAO, PEAO, PETK, PETK.

Table with columns for station name, elevation, frequency, mode, and other parameters. Includes stations like PETK, SDPT, P08K, SPIA, S14K, CHIR, CHIR, SII, KMRM, KMRM, R16K, R16K, O02D, O2AK, R18K, R18K, YUH, YUH, Q16K, Q16K, P17K, P17K, YBH, YBH, N14K, N14K, P17K, P17K, PNTR, PNTR, O16K, O16K, M13K, M13K, L04D, L04D, DSP, DSP, N15K, N15K, Q19K, Q19K, P18K, P18K, O17K, O17K, NVAR, NVAR, NVAR, NVAR, NV11, NV11, M14K, M14K, M15K, M15K, N16K, N16K, O18K, O18K, O18K, O18K, N17K, N17K, M16K, M16K, M16K, M16K, O19K, O19K, O19K, O19K, J05D, J05D, J05D, J05D, K13K, K13K, N18K, N18K, L15K, L15K, BRLL, BRLL, BRLL, BRLL, L16K, L16K, L16K, L16K, N19K, N19K, O19K, O19K, M17K, M17K, M17K, M17K, PRN, PRN, K15K, K15K, K15K, K15K, M18K, M18K, SEW, SEW, J14K, J14K, L17K, L17K, WVOR, WVOR, WVOR, WVOR, SLKM, SLKM, SLKM, SLKM, O22K, O22K, N20K, N20K, SPCR, SPCR, P23K, P23K, L18K, L18K, I07A, I07A, I07A, I07A, M19K, M19K, K17K, K17K, STLK, STLK, BELA, BELA, L19K, L19K, J08A, J08A, J08A, J08A, M20K, M20K.

14d 11h

Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Azimuth Uncertainty, Station Type, Status, Azimuth Error, Azimuth Uncertainty. Includes stations like 1J16K Anvik River, SUA Susitna One, SUA Susitna One, etc.

2019 MAY

Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Azimuth Uncertainty, Station Type, Status, Azimuth Error, Azimuth Uncertainty. Includes stations like P32M Atlin, Y22V IRIS PASCAL I, BVCY Beaver Creek, etc.

738

Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Azimuth Uncertainty, Station Type, Status, Azimuth Error, Azimuth Uncertainty. Includes stations like D22K Ayikyak River, D22K Ayikyak River, F25K Christian River, etc.

AFAD 14 11:25:42.4, 38:41N:45:55E, h6km, 5km, ML2.4
NSSP 14 11:25:42.6, 38:50N:45:28E, h10km, Ms3.1
TEH 14 11:25:43.6, 38:41N:45:17E, h6km, 40km
AZER 14 11:25:46.3, 38:60N:45:27E, h6km, ml3.0
ISC 14 11:25:43.9, 1.1, 38.42N, 0.02, 45.27E, 0.02, h11km, 10km, n40, i, r22/72, 3C-1D, Iran-Armenia-Azerbaijan border

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like JMN, JMM, JMW, JMY, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NWAOW, NWAON, NWAOP, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NJ2, NJ3, NJ4, etc.

14d 12h

Table with columns for station name, frequency, power, and other technical details. Includes stations like ZEA, PBA, ADK, ATKA, etc.

2019 MAY

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

744

Table with columns for station name, frequency, power, and other technical details. Includes stations like N14K, O15K, K13K, etc.

14d 12h

2019 MAY

748

Table with columns for station ID, name, frequency, and other parameters. Includes stations like SKAG Skagway, I28M Miner Creek, O30N Mendenhall, etc.

Table with columns for station ID, name, frequency, and other parameters. Includes stations like RUBB, I30M Mount Dempster, Q32M Nakina River, etc.

Table with columns for station ID, name, frequency, and other parameters. Includes stations like IUG luzhnyay, MMPY Sheldon Lake, MMPY Sheldon Lake, etc.

Table with columns for station callsigns (e.g., AKT, TXAR, LKLMR), station names (e.g., Neumayer-Stat, Amarillo, Zacatecas), and various performance metrics including S/N, SNR, and dB values.

Table with columns for station callsigns (e.g., LPSR Galich'ya Gora, JETT Jettan, VRRR Voronezh), station names (e.g., 5 Mile Ranch, WMOK Wichita MOUNTA), and various performance metrics including S/N, SNR, and dB values.

Table with columns for station callsigns (e.g., VAGH Vaagaholmen, MORB Mui Rana), station names (e.g., Vaasula, KONS Konsvik), and various performance metrics including S/N, SNR, and dB values.

Table with columns for race number, horse name, jockey, trainer, odds, and race details. Includes entries like 4M4A Midewin, HQIL Hanson Quary C, PEBM Pennicot Bayo, etc.

Table with columns for race number, horse name, jockey, trainer, odds, and race details. Includes entries like NC602 Urbana, J4474 Jurilovca, MOPA Mopani, etc.

Table with columns for race number, horse name, jockey, trainer, odds, and race details. Includes entries like ASK Odda, ODD1 comp=Z,66um,42.4s, ODD1 comp=Z,866nm,5.6s, etc.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like GRAN 554A, STEB 570B, USA4, etc.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like HSKC, PRTV, SKOMA, etc.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like B10A, B10B, TREB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Billa, Vanda, Wanda, Urumqi, Hyderabad, Granite Mounta, Tiksi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, MKRAC Makanchi Array, DJA 14 13:39:48.5, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like D22K, D23K, F24K, KURBB, K29M, H31M, BVAR, etc.

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

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

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

IDC 14 14:01:17.0.1.5, 17:60S:167:83E, h0km, mb3.9/6, mbmp3.9/7, Error ellipse: s-maj=40.1km s-min=21.0km az=96.0

NEIC 14 14:01:18.2.1.3, 4.2S:0.1:152:58E, h10km, mb4.5/10, Error ellipse: s-maj=19.5km s-min=6.2km az=8.0

ISC 14 14:01:18.1.0.7, 4.21S:0.10:152:5E, h10km, n28, c1500/27, mb4.3/15, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like RABUL Rabaul, MANU Manus Island, COEN Coen, etc.

TXNET 14 14:01:24.2, 31.6N:0.6:104:3W, h5km, mb3.6/4, 1C, Error ellipse: s-maj=1.0km s-min=0.9km az=46.4, final, Western Texas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like TPB11 China Draw, PECS Pecos, etc.

IDC 14 14:04:37.1.1.5, 17:60S:167:83E, h0km, mb3.9/6, mbmp3.9/7, ML3.6/1, Error ellipse: s-maj=36.4km s-min=30.1km az=109.0

NEIC 14 14:04:38.5.0.7, 17:58S:0.07:167:9E, h1km, mb4.5/11, Error ellipse: s-maj=26.5km s-min=9.1km az=99.0

ISC 14 14:04:41.2.0.9, 17:68S:0.09:167:8E, h2km, n21, c0567/22, mb4.4/12, Vanuatu Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like ERM Ermo, GSPA South Pole Qui, QSPA South Pole Qui, etc.

IDC 14 14:09:22.7.3.4, 4.14S:152:28E, h0km, mb4.1/6, mbmp4.1/6, Error ellipse: s-maj=93.0km s-min=27.7km az=106.0

ISC 14 14:09:22.2.4.2, 4.3S:0.3:152:7E, h10km, n6, c0996/6, mb4.0/6, New Britain region

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

IDC 14 14:10:52.3.1.2, 4.09S:152:46E, h0km, mb3.6/4, mbmp3.8/5, ML4.2/1, Error ellipse: s-maj=38.6km s-min=26.3km az=123.0

NEIC 14 14:10:53.6.1.6, 3.98S:0.09:152:59E, h10km, mb4.4/3, Error ellipse: s-maj=16.0km s-min=5.0km az=61.0

ISC 14 14:10:53.4.0.9, 4.05S:0.1:152:56E, h10km, n13, c1303/13, mb3.8/6, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like RABUL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

IDC 14 14:12:55.2.2.3, 3.55N:126:77E, h0km, mb3.5/4, mbmp3.5/4, Error ellipse: s-maj=23.2km s-min=23.6km az=62.0

DJA 14 14:13:00.2.0.5, 4.1N:7:12:7E, h39km, mb4.2/11, mb4.2/3, MLV4.1/11

ISC 14 14:13:00.2.1.4, 3.6N:0.1:126:9E, h35km, n10, c1506/10, mb3.5/4, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like SGSI Sangihe, TNT Tenate, KMSI Cibinong, etc.

IDC 14 14:21:18.6.1.2, 4.03S:152:41E, h0km, mb3.8/7, mbmp3.9/8, ML4.8/1, Error ellipse: s-maj=33.8km s-min=25.2km az=112.0

NEIC 14 14:21:21.4.0.8, 4.2S:0.4:152:2E, h10km, mb4.3/8, Error ellipse: s-maj=95.0km s-min=9.5km az=135.0

ISC 14 14:21:20.4.0.8, 4.08S:0.09:152:2E, h10km, n21, c1942/20, mb3.9/11, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like RABUL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like ILAR Eielson Array, B21K Ikiptuk River, D22K Apikyak River, etc.

IDC 14 14:25:03.9.0.7, 4.36S:152:96E, h0km, mb4.1/11, mbmp4.1/11, Error ellipse: s-maj=28.6km s-min=16.7km az=93.0

NEIC 14 14:25:05.7.0.9, 4.29S:0.08:152:95E, h10km, mb4.7/23, Error ellipse: s-maj=14.2km s-min=6.4km az=357.0

ISC 14 14:25:05.8.0.5, 4.19S:0.07:152:94E, h10km, n69, c15717/22, mb4.6/34, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like RABUL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

IDC 14 14:25:05.8.0.5, 4.19S:0.07:152:94E, h10km, n69, c15717/22, mb4.6/34, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like CMSA Cobar Meteorol, OOD Oodnadatta, STKA Stephens Creek, etc.

IDC 14 14:25:05.8.0.5, 4.19S:0.07:152:94E, h10km, n69, c15717/22, mb4.6/34, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like K15K Wolf Creek Mou, F15K North Star Df, P19K Oil Pt, etc.

IDC 14 14:30:44.1±1.0, 4.0'S:152.72E, h0km, mb3.9/6, mbmp3.8/6, Error ellipse: s-maj=57.9km s-min=24.4km az=122.0

NEIC 14 14:30:45.9±1.8, 3.97S:0.03x152.85E:0.04, h10km±1km, mb4.8/11, Error ellipse: s-maj=7.2km s-min=4.4km az=278.0

ISC 14 14:30:45.4±0.7, 4.0S:0.1±152.85E:0.08, h10km, n22, r1517/23, mb4.1/9, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include RABL Rabaul, PMG Port Moresby, GUMO Guam, DZM Mont Dzumac, etc.

IDC 14 14:32:56.4±4.8, 4.04S:152.19E, h0km, mb3.6/3, mbmp3.6/3, Error ellipse: s-maj=140.7km s-min=38.3km az=105.0, New Britain region

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

IDC 14 14:33:14.7±0.8, 4.01S:152.46E, h0km, mb4.1/11, mbmp4.1/11, Error ellipse: s-maj=32.9km s-min=17.6km az=98.0

NEIC 14 14:33:15.8±1.3, 3.76S:0.05x152.49E:0.06, h10km±1km, mb4.8/18, Error ellipse: s-maj=12.3km s-min=5.8km az=128.0

ISC 14 14:33:16.1±0.5, 3.86S:0.07x152.49E:0.07, h10km, n37, r1502/37, mb4.2/15, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include RABL Rabaul, MANU Manus Island, HNR Honiara, DZM Mont Dzumac, WBO Warramunga Arr, WRA Warramunga Arr, ARMA Armadale, etc.

mbmp4.4/20, MS5.1/1, Error ellipse: s-maj=24.2km s-min=13.6km az=85.0

MOS 14 14:36:33.0±1.2, 3.81S:151.96E, h17km, mb5.1/19, Error ellipse: s-maj=12.4km s-min=7.4km az=99.0

NEIC 14 14:36:34.5±2.2, 3.78S:0.05x152.0E:0.1, h12km±4km, mb5.0/148, Error ellipse: s-maj=16.2km s-min=3.9km az=68.0

DJA 14 14:36:42.0±0.6, 4.4S:151.2E, h106km±6km, M5.3/46, mb4.8/46, mb5.2/1, MLV5.5/1, Mw(mB)4.5/1

ISC 14 14:36:33.8±0.4, 3.85S:0.05x152.04E:0.07, h10km, n444, r1517/36, mb5.0/124, 6C-12D, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include RABL Rabaul, MANU Manus Island, PMG Port Moresby, SMPI Samri, SRPI Soripi, BAKI Biaki, RKPI Ransiki, FAKI Fak Fak, SWI Sorong, EIDS Eidsvold, MTN Manton Dam, DZM Mont Dzumac, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BNX Kul'dur, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CHM Chiang Mai Arr, CHM Chiang Mai Arr, PETK Petropavlovsk, PZH PanZhiHu, CD2 Chengdu, HHC Hu-ho-hao-te, HEH HeiHe, BTO Baotou, HIA Hailar, HIA Hailar, LZH Lanzhou, ZEA Zeya, GTA Gaotai, ULN Ulanbaatar, ULN Ulanbaatar, SONM Songino Array, SHL Shillong, SEY Seymchan, YAK Yakutsk, YAK Yakutsk, ZAK Zakamensk, SDPT Sand Point, CHNA Chernabara IsI, M11K Mekhuyk, BILL Bilibino, BILL Bilibino, GAMB Gambell, M13K Dall Lake, O14K Tiguykaiuvit M, N14K Kusokokwak Cree, CHIR Chirikof Islan, O15K Ungalithiuk R, K13K Kusilvak Mount, M14K Bethel, L14K Kuka Creek, VNSA Vanda, VNSA Vanda, N15K Kwiatuk River, M15K Kasigluk River, P16K Nushagak River, SII Sitkinak Islan, O16K Kogwak River B, L15K Ungvak Mount, Q16K King Salmon, J14K Nanvaranak Lak, W17K Contact Creek, Q17K Irumat, N16K Nishlik Lake, ACHA Angle Creek He, R18K Karluk, K15K Wolf Creek Mou, K15K Wolf Creek Mou, P17K Kvichak River, O17K Koliganek Bris, M16K Timber Creek, OHAK Old Harbor, Q18K Katmai Hardscr, TNA Tin City, ANM Nome, L16K Owhat River, L16K Owhat River, N17K Nushagak Hills, P18K Big Mountain, HYB Hyderabad, F14K Arctic Creek, KDAA Kodiak Island, O18K Koktuh Hills, M17K Holtina River, M17K Holtina River, J16K Anvik River, G15K Niukluk, Q19K Cape Douglas, L17K Donlin

IDC 14 14:36:31.0±0.6, 3.84S:152.02E, h0km, mb4.4/20,

Table with columns: I30M, Q32M, P33M, EPYK, QSPA, N32M, MAW, F290, E29M, D28M, KKAR, KKAR, G30M, T35M, R33M, F30M, H31M, SIMJ, DZET, G31M, MPMY, F31M, F31M, INK, INK, BVAR, BRVK, TGTN, A36M, A36M, C36M, SYO, YKA, YKA, Y22D, ULM, TKL, TKL, LPAZ, BDFB

MOS 14 14:39:43.2, 43:32N, 44:38E, h11km, MPVA3.9
NORS 14 14:39:43.2, 43:33N, 44:42E, h8km, MPVA3.8
TIF 14 14:39:43.2, 43:38N, 44:45E, h11km, 1km
DRS 14 14:39:46.1, 43:45N, 44:31E, h69km
ISC 14 14:39:43.0, 43:37N, 0:02, 44:43E, 0:01, h14km, 5km, n73, c114/134, 2:01D, Western Caucasus
Code Station Name Az AzZ Phase ID Time Res

KIV Kislodovsk 1.39 296 ePg Pb 14 40 09.0 -0.8
KIV KIV 14 40 29.1 +0.2
TKB Tkibuli 1.46 227 P Sg 14 40 11.6 +0.4
TKB Tkibuli 1.46 227 ePg Pg 14 40 11.6 +0.4
BTLR Botlikh 1.49 117 ePg Pg 14 40 11.6 -1.0

JMA 14 14:45:42.0, 2.05, 22'N, 2'12"E, h55km, MV3.4/18, FAR S OFF ISHIGAKUJIMA
ISC 14 14:45:42.7, 3.4, 22'N, 0:2, 125:0E:0.1, h35km, n19, c082/25, Southeast of Taiwan
Code Station Name Az AzZ Phase ID Time Res

KMSI Cibinong 28.20 278 P P 15 00 16.9 +0.5
STKA Stephens Creek 29.63 199 P P 15 00 21.8 -1.1
STKA Stephens Creek 29.63 199 P P 15 00 21.8 -1.3
PCI Palu 32.82 274 P P 15 00 50.7 -0.3
MPSI Mapaga 32.91 277 P P 15 00 51.1 -0.6

NEIC 14 14:56:12.8, 1.3, 4.8S:0.1, 153:05E:0.09, h10km, 1km, mb4.5/13, Error ellipse: s-maj=23.2km s-min=10.9km az=214.0
IDC 14 14:56:13.1, 1.3, 4.4AS: 152:40E, h0km, mb3.8/7, mbtmP3.7, Error ellipse: s-maj=48.8km s-min=24.1km az=117.0
ISC 14 14:56:12.6, 0.9, 4.75S:0.1, 153:0E:0.1, h10km, n23, c151/23, mb3.4/14, New Ireland region
Code Station Name Az AzZ Phase ID Time Res

KRNET 14 15:07:33.7 0.1, 41.82N-79.83E, mb3.4
NCC 14 15:07:36.0 1.4, 41.88N-79.72E, h0km, mb4.0, mpv3.8,
Error ellipse: s-maj=9.6km s-min=5.6km az=153.0
ISC 14 15:07:35.6 2.1, 41.84N-0.07-79.76E, 0.05, h2km, 11km,
n56, e1521/86, 28C-13D, Kyrgyzstan-Xinjiang border
region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PRZ Przheval'sk, SHLS Shalkode, UZB Uzunbulak, etc.

Table with columns: AAK, Station Name, Az, Phase ID, Time, Res. Includes stations like AAK Ala-Archa, AAK Alma-Archa, ARLS Aral, etc.

Table with columns: TIP, Station Name, Az, Phase ID, Time, Res. Includes stations like TIP Timpargrande, KYMI Kymi, Euboea I, etc.

MOS 14 15:07:55.9 1.3, 37.91N-20.13E, h16km, mb4.8/4, Error ellipse: s-maj=10.1km s-min=5.3km az=72.3
IDC 14 15:07:56.4 0.9, 38.03N-20.25E, h0km, mb4.0/13,
mbtmp3.8/25, ML3.8/10, MS5.4/1, Error ellipse:
s-maj=16.2km s-min=12.8km az=3.0
NEIC 14 15:07:57.7 1.6, 37.88N-0.05-20.18E, 0.05, h10km, 1km,
mb4.4/16, Error ellipse: s-maj=10.2km s-min=4.4km
az=213.0
NAO 14 15:07:57.8, 38.00N-20.20E, h10km, mb3.8
ATH 14 15:07:58.4, 37.97N-20.16E, h6km, 1km, ML3.8/31,
Manual Solution by D. Makris First location: 2019/05/14
15:08:12. This location: 2020/09/20 14:01:00 ML
Amplitudes are expressed in micrometers. All distances
are expressed in degrees Latitude uncertainty: 1 km;
Longitude uncertainty: 1 km
THE 14 15:07:59.4, 38.1N-1.2E, h0km, 2km, M3.8/18,
MLh3.8/18
BEO 14 15:08:00.0 0.6, 38.15N-20.07E, h0km, ML3.9/7
ISC 14 15:07:58.0 0.8, 37.96N-0.02-20.21E, 0.03, h14km, 4km,
n236, e1950/280, mb4.3/26, 11C-12D, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DMLN Damouliana-K, DMLN Damouliana-K, DMLN DMLN, etc.

Table with columns: KARP, Station Name, Az, Phase ID, Time, Res. Includes stations like KARP Karpathos, DIVS Divare, HAPS Han Pijesak, BI, etc.

14d 15h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists various stations like MNSK, Khabab, ESDC, etc.

2019 MAY

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists various stations like ASAR, Alice Springs, JYNG, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists various stations like PHUB, P'eng-hu, RABL, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like FORST, KSRS, VNSA, SBA, PWL, ILAR, H02S1, GSPA, TORD.

IDC 14 15:32:49.0.1.4, 4.75S, 123.87E, h0km, mb3.7/4, mbtmp3.7/6, ML3.4/2, Error ellipse: s-maj=39.6km s-min=23.4km az=56.0

DJA 14 15:32:52.8.0.3, 5.5S, 12.12E, h83km, 22km, M4, 1/20, mb5.2/2, mb4.5/9, MLV4.0/20, Mw(mb)4.6/2

ISC 14 15:32:53.0.0.8, 4.74S, 106.123.95E, 0.05, h30km, n25, r=146/30, mb3.8/5, Banda Sea

Main table for station 763, listing various stations like BBSI, SANI, NLAJ, etc. with their respective codes and data.

IDC 14 15:37:09.4.0.7, 4.15S, 152.62E, h0km, mb2.4/1.0, mbtmp4.2/1.1, ML5.1/1, Error ellipse: s-maj=29.0km s-min=19.0km az=117.0

NEIC 14 15:37:11.1.1.9, 4.25S, 0.1, 152.83E, 0.04, h10km, 1km, mb4.7/25, Error ellipse: s-maj=17.5km s-min=6.2km az=2.0

ISC 14 15:37:11.1.1.0.5, 4.12S, 0.07, 152.78E, 0.05, h10km, n76, r=146/75, mb4.4/21, New Britain region

Main table for station 763, listing various stations like RABL, MANU, PMG, etc. with their respective codes and data.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ASAR, H11N1, H11N3, H11N2, CMS, OOD, STKA, etc.

WRKA Warakama 31.41 226 P P 15 43 31.2 -1.5

FORT Forrest 35.30 219 P P 15 44 04.8 -1.7

RTZ Ruatuhua 40.79 151 P P 15 44 52.4 -0.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BKZ, GVZ, PEA0B, etc.

B20K Meade River 81.19 15 P P 15 49 27.6 +1.0

J25K Salcha River 82.04 23 P P 15 49 31.7 +0.3

H02S1 DAWSON INLET T 84.21 36 T T 17 22 40.0

QSPA South Pole Qui 85.83 180 P Iamb Iamb 15 49 50.5 -0.4

QSPA South Pole Qui 85.83 180 P Iamb Iamb 15 49 50.5 -0.4

MAW Mawson 86.19 203 P P 15 49 52.4 +0.1

G31M Satah River 87.15 22 P Iamb Iamb 15 49 56.9 -0.1

YKA Yellowknife Ar 94.84 28 P P 15 50 33.3 +0.3

GERES GRESSY Arr B 123.47 329 PKP PKPpdf 15 56 09.2 +0.2

EKA Eskdalemuir Ar 125.348 PKP PKIKP 15 56 12.8 +0.1

LPZ La Paz 134.75 118 PKP PKPpdf 15 56 32.1 +0.1

TORD Torodi Ar 150.07 289 PKPbc PKPbc 15 57 02.3 -0.9

BDFB Brasilia 151.55 134 PKPbc PKPbc 15 57 06.5 -0.3

LDG 14 15:37:31.8.0.1, 48.97N, 2.09W, h5km, Md3.0/1, M3.1/1.4, Error ellipse: s-maj=3.2km s-min=2.1km az=11.0

BGS 14 15:37:32.4.0.1, 49.04N, 2.11W, h9km, 4km, ML2.4

STR 14 15:37:32.0.0.5, 49.1N, 3.3E, h10km, MLV2.7/6, Error ellipse: s-maj=0.0km s-min=0.0km az=91.1, preliminary

ISC 14 15:37:31.9.0.8, 48.98N, 0.02, 2.10W, h0.02, h11km, 8km, n35, r=199/63, 3C-1D, France

Main table for station 763, listing various stations like JDC, JRS, JSA, etc. with their respective codes and data.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TCF, BGF, SSF, AVF, LOR, ROR, RJJ, LFF, CAF, etc.

SJA 14 15:43:17.2.0.7, 30.39S, 71.43W, h54km, 10km, ML3.3, MWV3.5

GUC 14 15:43:19.1.0.7, 30.43S, 71.17W, h50km, 4km, ML3.7

ISC 14 15:43:19.7.1.3, 30.35S, 0.03, 71.37W, 0.05, h53km, 10km, n38, r=214/56, 2C-2D, Near coast of Central Chile

Main table for station 763, listing various stations like Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like CO06, CO05, CO04, etc.

MOS 14 15:44:30.9.0.8, 44.12N, 141.13E, h231km, mb3.7/1, Error ellipse: s-maj=12.9km s-min=10.4km az=112.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JYG, JSS, JAB, ASAJ, JKA, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like APQ2, APQ2, ABCN, ABCN, ABCN, etc.

ADC 14 16:06:27.9-4.6, 4.22S: 151.86E, h0km, mb3.8/4, mbtmp4.0/4, Error ellipse: s-maj=123.5km s-min=45.2km az=162.0, NEIC 14 16:06:29.0-0.7, 4.25S: 0.1, 151.86E: 0.03, h10km, 2km, mb4.5/15, Error ellipse: s-maj=16.6km s-min=4.4km az=185.0

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

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

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

14d 17h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for WRAB Tarrant Creek, WRA Warrunganga, KNRA Kununurra, AS31 Alice Springs, ASAR Alice Springs, FITZ Fitzroy Cross, FORT Forest, SONM Songoing Array, L19K White Mountain, J20K Nowinta River, F19K Shalerucik Mo, C18K Utukok River, MKAR Makanchi Array, E19K Redstone River, ZALV Zalesovo Beam, B20K Misado River, ILAR Eielson Array, D23K Nanushuk River, KURBB Kurchatov Arra, BMAR Burnt Mountain, D27M Malcolm River, BVAR Borovoye Array, YKA Yellowknife Arr.

IDC 14 16:35:39.3, 0.29, 52N, 138.42E, h350km, 69km, mb2.9/5, mbmp3.7/9, Error ellipse: s-maj=141.0km s-min=10.5km az=69.0

JMA 14 16:35:39.3, 0.2, 30, 141.0E, h440km, MV3.0/9, NEAR TORISHIMA IS

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for WHZ Wether Hill Ro, PETK Petropavlovsk, CANSY Vanda, VANDA Vanda, Q19K Cape Douglas, L19K White Mountain, E19K Redstone River, MKAR Makanchi Array, ILAR Eielson Array, J25K Salcha River, H20S1 DAWSON INLET, K29M Barlow Dome, Q29M South Pole Qui, QSPA South Pole Qui, E28M Babbage River, G31M Satah River, YKA Yellowknife Arr, TORO Torodi Arr, BDFB Brasilia.

IDC 14 16:44:58.3, 327.0, 59.35N, 27.96E, h0km, Error ellipse: s-maj=156.3km s-min=102.4km az=117.0

EST 14 16:45:26.8, 0.2, 59.25N, 28.64E, h0km, ML1.2(HEL), Explosion

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for E404 Vaivara Sinima, E404 VSU, VSU Vasula, EE03 Tooma soojaa, VJF Virojoki, VJF Piusa Caves, O, EE07 Sarghaua, Vand, PVF Pernaja, RUF Ruokolanti, MEF Metsahovi, NUR Nurmiarjvi, FIAO FINESS Array S, FIA1 FINESS Array S, MTSE Matsula, KAF Kangasniemi, I43RU DUBNA INFRASON, I37NO, I27NE FREYUNG INFRAS13, ULM.

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IDC 14 16:51:40.1, 0.8, 4.19S, 152.79E, h0km, mb3.9/9, mbmp3.9/9, Error ellipse: s-maj=41.7km s-min=19.5km az=109.0

NEIC 14 16:51:42.0, 1.9, 4.2S, 0.1, 152.88E, 0.04, h10km, 1km, b4.6/21, Error ellipse: s-maj=19.8km s-min=6.6km az=1.0

ISC 14 16:51:41.7, 0.6, 4.27S, 0.09, 152.85E, 0.07, h10km, n42, 0.0593/38, mb4.3/18, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for RABL Rabaul, MANU Manus Island, PMG Port Moresby, WBO Warrunganga Arr, WRB Warrunganga Arr, WRAB Tarrant Creek, WRA Warrunganga Arr, H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, ASAR Alice Springs, ASAR Fitzroy Cross, H11N1 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, STKA Stephens Creek, FITZ Fitzroy Cross, TOLIT Tofitofit, FORST Forrest, RTZ Ruatahuna, WHZ Wether Hill Ro, PETK Petropavlovsk, CANSY Vanda, VANDA Vanda, Q19K Cape Douglas, L19K White Mountain, E19K Redstone River, MKAR Makanchi Array, ILAR Eielson Array, J25K Salcha River, H20S1 DAWSON INLET, K29M Barlow Dome, Q29M South Pole Qui, QSPA South Pole Qui, E28M Babbage River, G31M Satah River, YKA Yellowknife Arr, TORO Torodi Arr, BDFB Brasilia.

IDC 14 17:00:05.2, 6.27, 35N, 93.10W, h0km, mbmp2.9/4, ML3.5/3, Error ellipse: s-maj=33.1km s-min=14.1km az=87.0

NEIC 14 17:00:01.8, 1.8, 47.46N, 0.04, 93.08W, 0.06, h0km, 2km, mb, Lg3.2/32, Error ellipse: s-maj=6.6km s-min=3.1km

OTT 14 17:00:02.0, 2.0, 47.40N, 93.05W, h0km, MN2.8/7, Blast, Minnesota, U.S. 136km south from Fort Frances, On Mining explosion.

ISC 14 17:00:03.0, 0.8, 47.41N, 0.003, 93.06W, 0.03, h0km, n44, 0.133/44, Minnesota

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for EYMN Ely, E38A The Farm, Brul, ATKO Atikokan Iron, AGMM Agassiz Nation, AGMN Agassiz Nation, EPLO Experimental L, SOLO Sioux Lookout, F33A 5 Mile Ranch, TBO Thunder Bay, G40A Rib Lake, COWI Conover, COWI Conover, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for ULM Lac du Bonnet, I37A Lemond, Waseca, I10CA LAC DU BONNET, F42A Huff Grove Fa, I40A Norwalk, ECSD EROS Data Cent, I42A Draeger Array, GTOO Geraldton, PNPO Pukaskwa Natio, H43A Windswept, LFJWS Jewell Farm, SUSD Miller, E28A Huff Grove Fa, L40A Anamosa, SCIA, L42A Oliver, Polo, L34A Svendsens Farm, E46A Sault Ste Mari, N35A Tabor, N41A Harden Midland, M44A Midwestern, L46A Eue Claire, HDIL Hopedale, PDAR Pinedale Array, PDAR Yellowknife Arr, YKA Yellowknife Arr, TXAR Lajitas Array, TXAR.

IDC 14 17:01:07.5, 4.0, 29.85S, 178.12W, h0km, mb4.2/4, mbtmp4.2/5, ML3.2/1, Error ellipse: s-maj=89.1km s-min=34.3km az=45.0, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for URZ Urewera, STKA Stephens Creek, ASAR Alice Springs, WRA Warrunganga Arr, QSPA South Pole Qui.

IDC 14 17:17:01.9, 4.1, 4.20S, 152.21E, h0km, mb4.2/5, mbtmp4.2/5, Error ellipse: s-maj=104.8km s-min=43.0km az=161.0, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for WRA Warrunganga Arr, ASAR Alice Springs, H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, STKA Stephens Creek, VANDA Vanda, QSPA South Pole Qui.

DJA 14 17:20:43.3, 0.2, 1.5S, 123.2E, h10km, M3.9/19, mb4.5/1, mb4.1/7, MLV3.8/19, Mw(MB)3.7/1, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for LUWI Luwuk, KMSI Cibirong, APSI Anpana, MRSI Manana, SANI Sani, PCI Palu, MPSTI Mapaga, TTSI Tana Toraja, NLAI Namlea, PSPI Sribate Palu, BBSI Bau Bau, BNSI Bone, BKSI Bulukumba, BSSI Bau Buri, FAKI Fak Fak.

IDC 14 17:23:49.4, 4.5, 4.28S, 151.89E, h0km, mb3.9/4, mbtmp3.9/4, MS4.2/1, Error ellipse: s-maj=117.9km s-min=44.5km az=163.0, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for PMG Port Moresby, JAY Jayapura, WRA Warrunganga Arr, ASAR Alice Springs, H11S3 WAKE ISLAND Hy.

Table with columns for station code, name, and time/res. Includes WAKE ISLAND Hy 26.94 32 T and Vanda 73.39 178 P.

MDD 14 17:23:56.5±1.4, 36°63'N; 117°14'W, h27km, mb_Lg2.1/6, Error ellipse: s-maj=12.4km s-min=10.0km az=0.0

IGIL 14 17:23:56.3, 36°57'N; 117°05'W, h9km, ML1.6 CNRM 14 17:23:58.4, 36°18'N; 107°07'W, h65km, ML1.8

INMG 14 17:23:56.5±1.1, 36°48'N; 117°19'W, h34km, ML1.9, Error ellipse: s-maj=7.7km s-min=6.3km az=110.0

#DIST RANGE: REGIONAL #PMA REGION: Gorringer, Azores-Cape St. Vincent Ridge

Main list of stations with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes Vila Bisbo, Sao Teotonio, Messejana, Castro Verde, etc.

IDC 14 17:25:04.3±0.7, 4°19'S; 152°61'E, h0km, mb4.0/13, mbmp4.1/14, ML4.7/1, Error ellipse: s-maj=25.3km s-min=15.8km az=70.0

NEIC 14 17:25:06.7±2.0, 4°18'S; 0°10'152.76E, h16km, 5km, mb4.5/19, Error ellipse: s-maj=14.4km s-min=2.9km az=181.0

IDC 14 17:25:05.0±0.5, 4°11'S; 107°152.77E, 0.05, h10km, n52, #164/53, mb4.4/20, New Britain region

Continuation of station list with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes Rabaul, Manus Island, Port Moresby, etc.

Table with columns for station code, name, and time/res. Includes WARRAMUNGA ARR, WARRAMUNGA, WRA, etc.

RSNC 14 17:28:46.8±0.0, 7°N; 1°7'27'W, h4km, 2km, ML1.8, ML1.6 FUNJV 14 17:28:47.1, 7°38'N; 72°00'W, h12km, MW2.5

IDC 14 17:28:43.3±1.8, 7°44'N; 0°04'172.14W, h4km, 13km, n10, #219/19, Northern Colombia

IDC 14 17:28:59.6±0.7, 53°28'N; 0°03'88.21E, 0.02, h0km, n33, #113/63, 5C-18D, Southwestern Siberia

Continuation of station list with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes Kiyzas, Luzhba, Erunakovo, etc.

ASRS 14 17:28:58.5, 54°N; 1°8'8'E, h1km, 1km, ML3.6/21, confirmed

NINC 14 17:29:01.8±2.1, 53°73'N; 88°21'E, h0km, mb4.0, mpv3.6, Error ellipse: s-maj=16.8km s-min=9.6km az=59.0

Suspected Mining explosion. IDC 14 17:29:01.7±1.5, 53°30'N; 88°14'E, h0km, mb3.6/1, mbmp3.8/4, ML3.3/3, MS4.3/1, Error ellipse: s-maj=15.3km s-min=12.9km az=23.0

Continuation of station list with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes Kiyzas, Luzhba, Erunakovo, etc.

Table with columns for station code, name, and time/res. Includes KEMEROVO, ZALESOVO INFRA, ZALESOVO ARRAY, etc.

NEIC 14 17:51:53.9±1.6, 3°70'S; 0°06'152.65E, 0.07, h10km, 1km, mb4.5/18, Error ellipse: s-maj=14.9km s-min=4.5km az=306.0

IDC 14 17:51:54.5±1.5, 4°13'S; 152°57'E, h0km, mb4.0/6, mbmp4.17, ML4.8/1, Error ellipse: s-maj=35.8km s-min=31.9km az=63.0

IDC 14 17:51:55.7±0.9, 4°05'01'; 152°73'E, 0.06, h10km, n40, #1975/36, mb4.3/11, New Britain region

Continuation of station list with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes Rabaul, Port Moresby, Honiara, etc.

COEN Coen 13.61 223 Pn Pn 17 28 20 +1.3 FAKI Fak Fak 20.52 273 P I Iamb 17 29 45 +1.3

Continuation of station list with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes DZM, MTN, WBA, WBA, etc.

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IDC 14 18:26:41.7:1.8,4.31S:152.38E,h0km,mb3.5/5, mbtmp3.5/5, Error ellipse: s-maj=49.5km s-min=38.7km az=90.0, New Britain region

IDC 14 18:42:53.5:4.7,4.1S:152.48E,h0km,mb3.6/4, mbtmp3.6/4, Error ellipse: s-maj=124.8km s-min=45.4km az=163.0, New Britain region

IDC 14 18:51:49.9:3.3,4.58S:153.07E,h0km,mb4.0/5, mbtmp4.0/5, Error ellipse: s-maj=109.3km s-min=29.2km az=113.0

NEIC 14 18:51:52.8:2.5,4.61S:153.12E,0.0/4,h10kmz2km, mb4.4/5, Error ellipse: s-maj=13.9km s-min=7.1km az=351.0

ISC 14 18:51:51.3:1.1,4.59S:0.10:153.2E,0.1,h10km,n18, r12/16,mb4.4/8, New Ireland region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, ISC. Includes entries for WRA, ASAR, H1S13, H1S12, H1S11, VDA, H2S1, QSPA, RABL, PMG, WB0, WR8, WRA, KNRA, H1S13, H1S12, H1S11, ASAR, FITZ, TOZ, MKAR, H2S11, BVAR, TORD.

IDC 14 18:54:52.2:1.4,2.7S:152.49E,h0km,mb3.7/5, mbtmp3.7/5, Error ellipse: s-maj=57.9km s-min=40.0km az=155.0

ISC 14 18:54:52.7:2.5,4.1S:0.0:152.6E,0.3,h10km,n10, r11/16,mb3.7/5, New Britain region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, ISC. Includes entries for WRA, H1S13, H1S12, H1S11, ASAR, FITZ, VDA, H2S11, QSPA, TORD, ANF, AEIC, NEIC, PGC, TORD.

Main table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time Res, ISC. Contains detailed station data including YUK8, YUK3, YUK4, GRNC, BVCY, RAV, YAH, YUK7, M29M, PCA, M29M, PINM, YUK7, YUK7, Q29M, Q29M, Q29M, TGL, TGL, CHX, CHX, HYT, HYT, HYT, HYT, HYT, HYT, HYT.

Main table with columns: BARK, Barkley Ridge, BARK, MESA, MESA, MESA, MESA, BCPM, Bancas Point, BCPM, Cirque, CRQE, Cirque, CRQE, Aishikk Lake, N30M, Aishikk Lake, N30M, Aishikk Lake, N30M, Aishikk Lake, N30M, CROM, Cirque, CROM, Nabesna, AK, M26K, Nabesna, AK, M26K, Nabesna, AK, M26K, Peninsula, PNL, Peninsula, PNL, Peninsula, PNL, Grinde Hills, GRIN, Yukat, YKUT, L29M, L29M, L29M, L29M, L29M, Berg Lake, BERG, Berg Lake, BGLC, Wackling, WACK, Wraggell, P30M, Million Dollar, P30M, Million Dollar, P30M, Mendenhall, O30N, Mendenhall, O30N, Mendenhall, O30N, Mendenhall, BMRM, Bremner Hill, BMRM, Log Cabin Wild, L26K, Log Cabin Wild, L26K, Log Cabin Wild, L26K, Braeburn, YUKO, N31M, Braeburn, YUKO, N31M, Braeburn, YUKO, N31M, Braeburn, YUKO, N31M, Braeburn, YUKO, N31M, Suckling Hills, SUCK, Suckling Hills, SUCK, Suckling Hills, SUCK, Windy Craggy, P29M, Windy Craggy, P29M, Windy Craggy, P29M, Windy Craggy, P29M, Mentasta, MENT, Mentasta, MENT, Goat Mountain, HMT, Goat Mountain, GOAT, Ragged Mountain, RAGM, Ragged Mountain, RAGM, HAARP, HARP, HAARP, HAARP, Kayak Island, KAIM, Kayak Island, KAIM, Kayak Island, KAIM, Kayak Island, KAIM, Klutina, KLU, Klutina, KLU.

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Table listing astronomical observations for 771 sources. Columns include source ID, name, RA, Dec, magnitude, and position angle. Examples include Chusmiza, Atahualpa, La Paz, and various other stars in the 771 catalog.

Table listing astronomical observations for 2019 MAY. Columns include source ID, name, RA, Dec, magnitude, and position angle. Examples include Guaratinga, Sanae, CMC01, and many other sources.

Table listing astronomical observations for 14d 20h. Columns include source ID, name, RA, Dec, magnitude, and position angle. Examples include West Nyswonger, Paradox Valley, Blue Mesa, and many other sources.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like TIKI, MODS, MODS, VYHS, VYHS, YAK, YAK, KSRS, etc.

NEIC 14 20:01:25.3:1.4, 3.775S:0.05:152.52E:0.06, h0km, mb4.4/8, Error ellipse: s-maj=9.7km s-min=5.4km az=127.0

IDC 14 20:01:29.8:4.9, 4.375S:152.12E, h0km, mb4.1/5, mbmp4.1/5, Error ellipse: s-maj=120.3km s-min=44.6km az=175.0

ISC 14 20:01:30.8:1.1, 4.55S:0.1:152.4E:0.2, h10km, n17, @18/15, mb4.3/9, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like RABL, RABL, RABL, DZM, DZM, WBO, WBO, WR8, WR8, etc.

IDC 14 20:15:3.1:1.4, 10.34N:122.60E, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=83.7km s-min=23.7km az=75.0, Panay

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

NEIC 14 20:09:33.2:1.4, 3.755S:0.03:151.89E:0.05, h10km, mb, Error ellipse: s-maj=8.2km s-min=4.4km az=115.0

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

NEIC 14 20:09:33.2:1.4, 3.755S:0.03:151.89E:0.05, h10km, mb, Error ellipse: s-maj=8.2km s-min=4.4km az=115.0

IDC 14 20:09:44.0:3.0, 3.755S:151.61E, h94km, 27km, mb3.8/15, mbmp4.2/17, MS3.6/11, Error ellipse: s-maj=21.9km s-min=15.8km az=104.0

ISC 14 20:09:33.1:0.5, 3.745S:0.06:151.90E:0.08, h10km, n124, @193/90, mb4.6/71, MS3.6/8, 1C, New Ireland region

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

NEIC 14 20:16:59.2:0.4, 43.59N:0.04:105.41W:0.06, h0km, mb, Error ellipse: s-maj=9.6km s-min=3.7km az=217.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like K20K, RDOG, RDOG, SUA, SUA, E18K, E18K, etc.

NEIC 14 20:16:59.2:0.4, 43.59N:0.04:105.41W:0.06, h0km, mb, Error ellipse: s-maj=9.6km s-min=3.7km az=217.0

IDC 14 20:17:00.9:1.1, 43.44N:105.44W, h0km, mbtmp3.1/5, ML3.4/4, Error ellipse: s-maj=16.7km s-min=9.9km az=153.0

ISC 14 20:16:59.2:0.4, 43.51N:0.04:105.39W:0.05, h0km, n47, @207/43, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like PLA1, PLA1, PLA1, WBSI, WBSI, etc.

NEIC 14 20:16:59.2:0.4, 43.59N:0.04:105.41W:0.06, h0km, mb, Error ellipse: s-maj=9.6km s-min=3.7km az=217.0

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like RSDS, RSDS, K22A, K22A, BRIGG, BRIGG, etc.

NEIC 14 20:16:59.2:0.4, 43.59N:0.04:105.41W:0.06, h0km, mb, Error ellipse: s-maj=9.6km s-min=3.7km az=217.0

Table with columns for station codes (e.g., OKH, OKK, MAJ), frequencies, and signal quality metrics (e.g., SNR, SNRf, SNRr).

Table with columns for station codes (e.g., CN2, KRSR, KS19, INCN, JCY, TJN, SEY, SHM, HIA, DL2, YAK, XLT, JOW, BJI, JMZ, XLT, JOW, BJI, BJT, CN2), frequencies, and signal quality metrics.

Table with columns for station codes (e.g., CIT, KIWB, SSE, TIA, ADK, BOD, GSTR, HNS, BILL, ATKA, HHC, HHH, TIY, BTO, WAKE, H11N2, H11N1, H11N3, SONM, SP1A, TIXI, TIXI, TIXI, TIXI, P08K, WHN), frequencies, and signal quality metrics.

Table with columns: SEW, Seward, 40.14, 44, P, P, 21 02 57.6, -0.7, 21 02 57.9, -0.4, MCK, McKinley, 40.18, 38, P, P, 21 02 59.4, +0.7, etc.

Table with columns: KLU, Klutina, 41.72, 41, Iamb, Iamb, 21 03 13.5, 21 03 12.3, +0.8, PAX, Pan, 41.78, 39, P, P, 21 03 12.5, +0.6, etc.

Table with columns: MK31, Makanchi Array, 45.03, 298, c/P, P, 21 03 39.1, +0.9, MKAR, Makanchi Array, 45.03, 298, P, P, 21 03 38.8, +0.5, etc.

Table with columns for station code (e.g., MIMPY, S32K), name, elevation, distance, and signal strength. Includes stations like Sheldon Lake, Killisnoo, Teslin, Yukon, Shalcode, and Shilong.

Table with columns for station code (e.g., HG4B, EKS2), name, elevation, distance, and signal strength. Includes stations like Hotspring, Erkin-Say, Kashi, and various 'K' and 'S' stations.

Table with columns for station code (e.g., SIMJ, ABKAR), name, elevation, distance, and signal strength. Includes stations like Simiganj, Akbulak array, Soei, and various 'S' and 'P' stations.

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

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

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ISAL, PD31, PDAR, etc.

Table with columns for location, time, and status. Includes entries like MLR Muntele Rosu, MLR Muntele Rosu, MLR Muntele Rosu, etc.

Table with columns for location, time, and status. Includes entries like ANTO Ankara, ANTO Ankara, ANTO Ankara, etc.

Table with columns for location, time, and status. Includes entries like MORH Mrgy, Hungary, MORH West end, WACR West, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PMRV, PMTG, PESTR, EVO, PBAR, etc.

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

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

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like MSAI Masohi, BNDI Bafandaira, FAKI Sorong, etc.

IDC 14 21:27:36.6, 5.00S, 150.11E, h0km, mb3.7/4, mbtmp3.7/5, Ms=5.1, Error ellipse: s-maj=73.2km s-min=67.7km az=161.0, New Britain region

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

IDC 14 21:40:55.1±5.7, 5.00S; 151.55E, h202km, 44km, mb3.3/7, mbtmp3.8/8, Error ellipse: s-maj=48.6km s-min=26.6km az=76.0

ISC 14 21:40:42.4±1.2, 4.9S, 0.2, 152.4E, 0.2, h100km, n9, ±233/9, mb3.6/7, New Britain region

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

IDC 14 21:50:05.8, 0.8, 19.58N, 109.710W, h0km, mb4.4/16, mbtmp4.4/20, ML3.8/4, MS4.3/40, Error ellipse: s-maj=32.7km s-min=12.6km az=64.0

MEX 14 21:50:06.9, 0.5, 19.48N, 109.00W, h10km, 18km, MD4.9 NEIC 14 21:50:09.1±1.8, 19.68N, 107.108, 89W, 0.08, h10km, 1km, mb4.9/14.4, Error ellipse: s-maj=15.7km s-min=9.1km az=226.0

GCMT 14 21:50:10.1±0.6, 19.72N, 103.108, 97W, 0.03, h18km, 2km, MV5.2/80, Moment Tensor Solution. s7, c7; s80, c103; Duration: 1s0 Moment tensor: Scale 10^17Nm; Mn=0.13±0.06, Mns=0.66±0.04, Mns0.78±0.05; Mns0.01±0.10; Mns=0.29±0.04; Mns=0.05±0.12; Best double couple: Mo=0.77900x10^17 Np1p124.00000, s88.00000, s88.00000; N=1.178.00000, NP2=2.14.00000, s88.00000, λ=2.00000. Principal axes: T 0.8440, Pg3.0000, Azm79.0000; N -0.1320, Plg87.0000, Azm253.0000; P -0.7130, Plg0.0000, Azm349.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 14 21:50:07.0±0.4, 19.62N, 105.108, 96W, 0.05, h10km, n602, s1542/61.4, mb5.0/89, MS4.3/37, Revilla Gigedo Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like H06S, H06S, CIHU, etc.

Main data table with columns: STA/AG, Agusalientes, 6.58 68, Pn, 21 51 44.9 +0.1, etc.

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

Main data table with columns: SDCO, PETF, PFV, etc. Includes stations like Flores, Topopah Spring, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like C24K Franklin Bluff, D23K Nanukuk River, RES Resolute Bay, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like BDFB Brasilia, PLCA Paso Flores, PLCA Paso Flores, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like BOSA Bosa, LPHEP Lephepe, SKOMA Sekoma, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HIDR Higey Centro, DR12 Loma Pena Alta, HATOM Hato Mayor del, PCDDR Punta Cana, DR Punta Cana, NADR Nagua, IDE Isla Desecheo, BANI BANI, ABDR Alto Bandera, CRPR Cabo Rojo, AOPR Arecibo Observ, SDDR Presa de Saban, OBIP Obispo Ponce, CELP Cerrillos, PMG Port Moresby, JMG Jayapura, DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, JNU Nukatsue, KRSR Korea Array, VANDA Vanda, ILAR Eielson Array, GSPA South Pole Qui, MAW Mawson, ELK Elko, GERES Gereses Array, TORO Torodi Arr, BDFB Brasilia, NEIC 14 23:29:19.0, 13.66N:0.09:120.9E, 0.2, h100km, 5km, mb4.1/17, Error ellipse: s-maj=27.9km s-min=13.2km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CODE Station Name, TGY Tagaytay City, SBUM Sibuyan, KAPI Kappang, CMAR Chiang Mai Arr, MBWA Marble Bar, EVN Everest, PSA00 Pilbara Seismi, WBO Warramunga Arr, WRA Warramunga Arr, WRB Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, MKAR Makanchi Array, MAZK Makanchi, BBOO Buckleboob, ZALV Zalesovo Base, KURBB Kurchatov Arr, KURK Kurchatov, KKAR Karatay Array, BVAR Borovoye Array, AB31 Akbulak array, ABKAR Akbulak array, D19K Kuna River, B20K Meade River, F20K Avarart Lake, CAST Castle Rocks, BPWA Bear Paw Mtn, ARCES ARCES Array B, BMAR Burnt Mountain, H28M Miner Creek, H29M Whitestone, BURAR Bucuona Array, HFS Hagfors, NOA NORSTAR Array B, TXAR Lajitas Array, NEIC 14 23:32:49.0, 6.6, 55.9S:0.1:28.3W:0.2, h44km, 6km, mb4.0/3, Error ellipse: s-maj=20.9km s-min=19.3km, az=180.0, IDC 14 23:32:59.5, 19.0, 56.00S:27.69W, h133km, 174km, mb3.5/3, mbmp4.1/4, ML5.1/1, Error ellipse: s-maj=89.8km s-min=35.4km az=116.0, IDC 14 23:32:48.6, 0.8, 55.8S:0.1:28.1W:0.2, h35km, n22, 0.67/22, mb3.8/4, 5C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PDAR Pinedale Array, GNI Gari, ANMO Albuquerque, TXAR Lajitas Array, IDC 14 23:42:44.2, 4.6, 6.83S:149.36E, h0km, mb2.8/1, mbmtpp3.1/2, ML3.4/1, Error ellipse: s-maj=171.9km s-min=54.9km az=117.0, New Britain region, WRA Warramunga Arr, ASAR Alice Springs, IDC 14 23:42:42.7, 1.1, 55.01N:164.62E, h0km, mb3.6/9, mbmp3.6/10, ML2.8/1, Error ellipse: s-maj=33.6km s-min=20.6km az=154.0, KRSC 14 23:42:44.6, 1.7, 54.94N:164.53E, h59km, 23km, ML4.3, MOS 14 23:42:46.1, 0.6, 54.94N:164.63E, h36km, mb4.0/1, Error ellipse: s-maj=7.1km s-min=6.5km az=151.8, IDC 14 23:42:46.3, 1.5, 54.92N:0.04:164.62E:0.06, h26km, 12km, n91.1, c144/106, mb3.8/9, Komandorski Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 14 23:25:25.2, 4.1, 4.44S:152.73E, h87km, 34km, mb3.9/9, mbmp4.3/10, MS3.6/3, Error ellipse: s-maj=28.9km s-min=18.3km az=78.0, IDC 14 23:25:20.7, 0.8, 4.35S:0.1:152.9E:0.1, h55km, n16, c141/17, mb4.1/10, New Britain region, PMG Port Moresby, JMG Jayapura, DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, JNU Nukatsue, KRSR Korea Array, VANDA Vanda, ILAR Eielson Array, GSPA South Pole Qui, MAW Mawson, ELK Elko, GERES Gereses Array, TORO Torodi Arr, BDFB Brasilia, NEIC 14 23:29:19.0, 1.5, 13.66N:0.09:120.9E:0.2, h100km, 5km, mb4.1/17, Error ellipse: s-maj=27.9km s-min=13.2km, IDC 14 23:29:23.5, 0.6, 13.71N:120.99E, h153km, 4km, mb3.4/10, mbmp3.9/11, Error ellipse: s-maj=39.3km s-min=12.6km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, SNAA Sanae, SNAA Sanae, SNAA Sanae, TROLL Troll, BELA Belgrano 2, GSPA South Pole Qui, MAW Mawson, VANDA Vanda, TORO Torodi Arr, L29M Troll, E29M Blow River, I26K Coal Creek Min, BMAR Burnt Mountain, ILAR Eielson Array, F25K Christian River, IDC 14 23:41:14.1, 1.5, 1.3702N:32.06W, h0km, mb3.3/3, mbmtpp3.4/3, MS3.6/3, Error ellipse: s-maj=258.8km s-min=30.8km az=179.0, Azores Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KRSR Korea Array, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, KRSR Korea Array, KURBK Kurchatov, KURBB Kurchatov Arr, MTVR Mutnovka, GRLV Goriely, ASAK Asacha, APC Asacha, KDTR Khodutka, ILAR Eielson Array, KRSR Korea Array, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, KRSR Korea Array, KURBK Kurchatov, KURBB Kurchatov Arr

15d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes entries like MKAR Makanchi Array, NOA NORSTAR Array B, HFS Hagforns, TXAR Lajitas Array, ASAR Alice Springs, ESDC Sonnesca Array, GSPA South Pole Qui.

DJA 14 23:44:39.0,0.3,7.5,3*12*1E, h550km,5km, M4,0/18, mb4.6/3,mb4.1/11,MLV4.1/18,19E,mb(MB)3.8/3, IDC 14 23:44:40.7,0.7,7.35S,121.19E,h554km,8km,mb3.3/8, mbmp4.2/11, Error ellipse: s-maj=42.1km s-min=10.5km az=62.0

NEIC 14 23:44:40.5,1.6,7.43S,0.03*121.1E,0.1,h539km,8km, mb4.5/6, Error ellipse: s-maj=21.3km s-min=4.4km az=94.0

ISC 14 23:44:40.4,0.5,7.44S,0.07*121.08E,0.09,h550km,n78, -0.81/73,mb3.9/9,LowR,5.9

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Lists numerous stations like BSSI Bau Bau, WBSI Waikabubak, BASI Bang Sumba, etc.

NEIC 14 23:51:34.0,2.1,35.40N,0.01*97.88W,0.01,h7km,1km, Error ellipse: s-maj=2.5km s-min=2.0km az=142.0

NEIC 14 23:51:32.2,1.4,35.413N,0.004*97.94W,0.02,h5km,1km, mb_L2.5/43,ML2.5/11,ML2.7/10, Error ellipse: s-maj=2.5km s-min=2.2km az=78.0, Oklahoma

2019 MAY

Table of ADOK stations with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes Arcadia Dam, Liberty Lake, Blackwell, Wichita Mouta, Battle Ridge R, etc.

NAO 15 00:02:22.0,35.66N,22.52E,h10km,mb4.3 THE 15 00:02:39.9,38.2N,21.3E,0.6,h0km,1km,M3.5/24, ATH 15 00:02:40.6,37.91N,21.27E,h6km,1km,ML3.7/30, Manual Solution by M.Papanikolaou First location: 2019/05/15 00:03:33, This location: 2019/05/15 00:15:05 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 2 km; Longitude uncertainty: 1 km

Table of Code Station Name, Az, Az', Phase ID, Time Res, ISC. Includes LCHA Lechaina, CLEM Kyllini,IIA,G, VRLM Loutra Irmis, RLS Riolos of Patr, etc.

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Table of DMLN stations with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes DMLN Damoulianiata-K, KALE Kalithea, ANX Ano Chora, etc.

Table of astronomical observations for 2019 May. Columns include object name (e.g., KEST, SOKA, OBKA), coordinates, magnitudes, and observation parameters like SNR and phase ID.

Table of astronomical observations for 2019 May, continuing from the previous page. Columns include object name (e.g., KKAR, KKAR, GAR), coordinates, magnitudes, and observation parameters.

Table of astronomical observations for 2019 May, continuing from the previous page. Columns include object name (e.g., BNDI, MSAI, FAKI), coordinates, magnitudes, and observation parameters.

ATH 15 00:09:02.2, 37:91N-21:27E, h8km-2km, ML2.8/11, Manual Solution by F. Xalans First Location: 2019/05/15 00:09:56. This location: 2019/05/15 04:28:25 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

THE 15 00:09:02.3, 38°N-121°3E:0.7, h12km-4km, M2.8/21, MLh2.8/21 IDC 15 00:09:03.0, 1.2, 38°02'N-21°30'E, h0km, mb3.4/8, mbtms3.4/10, ML0.7/2, Error ellipse: s-maj=24.4km s-min=22.1km az=163.0

Table of astronomical observations for 2019 May, continuing from the previous page. Columns include object name (e.g., LCHA, LCHA, KYLIL), coordinates, magnitudes, and observation parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KLV Kalavryta, Ach, EFP Efpalio, DMLN Damouliana-K, etc.

IDC 15 00:14:37.5-4.1, 3.17S, 151.96E, h0km, mb3.5/2, mbtmp3.5/2, Error ellipse: s-maj=175.1km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, TORO Torodi Ar. Bea, etc.

IDC 15 00:23:45.3-7.6, 3.10S, 147.77E, h0km, mb3.6/2, mbtmp3.7/2, Error ellipse: s-maj=328.7km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, TORO Torodi Ar. Bea, etc.

IDC 15 00:30:19.3-4.0, 3.72S, 151.98E, h0km, mb3.5/2, mbtmp3.5/2, Error ellipse: s-maj=163.7km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, TORO Torodi Ar. Bea, etc.

IDC 15 00:33:33.0-5.5, 3.14S, 149.25E, h0km, mb3.6/4, mbtmp3.7/4, MS4.5/1, Error ellipse: s-maj=160.1km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, DAV Davao City (W), FITZ Fitzroy Crossi, MKAR Makanchi Array, etc.

IDC 15 00:33:45.5-0.9, 3.49S, 149.57E, h0km, mb4.0/13, mbtmp4.0/15, ML1.5/1, MS5.0/38, Error ellipse: s-maj=28.9km

NEIC 15 00:33:45.9-1.5, 3.24S, 0.008-149.00E:0.07, h10km, 1km, mb4.7/46, Ms_20 5.2/389, Mww5.4/4, Error ellipse: s-maj=15.2km

0.1530, Plg85.0000°, Azm149.0000°: P -2.2270, Plg0.0000°, Azm243.0000°: nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 15 00:33:48.0-0.3, 3.37S, 150.519E:0.05, h19km, n338, c=271/132, mb4.7/57, MS5.2/49, 1C-3D, Bismarck Sea

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MANU Manus Island, RABL Rabaul, PMG Port Moresby, etc.

Continuation of station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SSE, SSE, SSE, etc.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like Panzhihua, Hu-ho-hao-te, Baotou, and many others.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like Makanchi, Koyuk River, Shuyak Island, White Mountain, and many others.

Table with columns: Station ID, Name, Frequency, Mode, Power, and other technical details. Includes stations like Kavik River, Simigan, Sheenjek River, Doyon Strip, Miner Creek, and many others.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Scatter, Elevation Scatter, Azimuth Drift, Elevation Drift, Azimuth Rate, Elevation Rate, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Weight, Elevation Weight, Azimuth Status, Elevation Status, Azimuth Comment, Elevation Comment.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Scatter, Elevation Scatter, Azimuth Drift, Elevation Drift, Azimuth Rate, Elevation Rate, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Weight, Elevation Weight, Azimuth Status, Elevation Status, Azimuth Comment, Elevation Comment.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Scatter, Elevation Scatter, Azimuth Drift, Elevation Drift, Azimuth Rate, Elevation Rate, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Slope, Elevation Slope, Azimuth Intercept, Elevation Intercept, Azimuth Residual, Elevation Residual, Azimuth Weight, Elevation Weight, Azimuth Status, Elevation Status, Azimuth Comment, Elevation Comment.

15d 2h

Table with columns: ASUD, AI Ashush, Dub, 4.07 210, P, Pn, 01 24 36.8 +2.9, etc.

15d 01:24:46.9-1.7, 17:07S-171:90W, h0km, mb3.8/4, mbtmp3.8/4, Error ellipse: s-maj=53.4km s-min=38.8km

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

MEX 15 01:25:10.9-0.9, 14:92N-94:22W, h20km, 28km, MD4.1

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

15d 01:25:36.8-1.0, 60:52S-25:94W, h0km, mb3.9/5, mbtmp3.9/5, Error ellipse: s-maj=49.0km s-min=22.2km

NEIC 15 01:25:40.1-1.8, 60:6S-0:1:26:1W, 0:3, h10km, 1km, mb4.5/13, Error ellipse: s-maj=30.8km s-min=10.7km

15d 01:25:38.3-0.7, 60:6S-0:1:25:56W, h0km, n47, s130/34, mb4.2/11, 6C, South Sandwich Islands region

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

2019 MAY

Table with columns: VANDA, Vanda, 42.09 182, P, P, 01 33 30.8 +1.1, etc.

15d 01:25:56.5-3.5, 4:17S-151:61E, h0km, mb3.9/3, mbtmp3.9/3, MS3.8/2, Error ellipse: s-maj=122.5km

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

15d 01:41:58.0-1.9, 5:04S-152:24E, h0km, mb3.8/6, mbtmp3.9/7, ML2.0/1, MS3.6/1, Error ellipse: s-maj=78.7km

15d 01:42:06.9-2.0, 5:25S-0:4:152:2E, h0km, n9, c084/9, mb3.8/6, New Britain region

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

MEX 15 01:47:21.7-0.8, 14:34N-94:12W, h10km, MD3.9

15d 01:47:28.3-10.0, 14:42N-93:51W, h70km, 69km, mb3.3/2, mbtmp3.4/4, ML3.1/2, Error ellipse: s-maj=118.9km

15d 01:47:22.2-3.7, 14:44N-0:09:94:06W, 0:04, h17km, 24km, n17, c284/29, Off coast of Chiapas

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

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YKA Yellowknife Ar 50.16 348 P P 01 56 17.4 +0.8

DJA 15 02:02:55.8-0.4, 0:5:3:12:3E, h106km, 7km, M4.0/10, mb5.0/1, mb4.3/2, MLV3.8/10, Mw(mb)4.3/1, Minahassa Peninsula, Sulawesi

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

15d 02:16:54.5-2.3, 5:39S-152:09E, h0km, mb3.5/3, mbtmp3.7/4, ML1.9/1, Error ellipse: s-maj=162.6km

s-min=25.7km az=128.0, New Britain region

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

15d 02:24:00.8-1.0, 38:07N-21:27E, h0km, mb3.8/11, mbtmp3.7/16, ML3.2/3, MS3.8/2, Error ellipse: s-maj=20.2km s-min=15.3km az=9.0

THE 15 02:24:00.7, 38:1N-21:3E, h0km, 6h3km, 1km, M3.5/25, ML3.5/25

ATH 15 02:24:01.2, 37:91N-21:27E, h8km, 1km, ML3.6/27, ML3.5/25

ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 2 km; Longitude uncertainty: 1 km

BEO 15 02:24:04.6-0.8, 38:04N-21:27E, h15km, 5km, ML3.1/7

NAO 15 02:24:20.1, 39:59N-20:15E, h10km, mb3.6

15d 02:24:01.6-0.7, 37:96N-0:02:21:28E, h0km, 4km, n131, c1857/156, mb3.7/11, Southern Greece

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

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, and other details. Includes stations like Sand Creek, Edge Creek, Mount Upton, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, and other details. Includes stations like Inuvik, Yellowknife, Port Moresby, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, and other details. Includes stations like Alice Springs, WAKE ISLAND, etc.

15d 4h

Table of station data including call signs (e.g., ABTX, DKNS, WUAZ), frequencies (e.g., 15.54 31), and other parameters like Pn, P, LR, and offsets (+0.3, -0.5, etc.).

2019 MAY

Table of station data for May 2019, including call signs (e.g., YBH, J08A, L04D), frequencies (e.g., 24.98 335), and other parameters like LR, IAMB, and offsets.

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Table of station data for 798 kHz, including call signs (e.g., COEN, WB0, WRA), frequencies (e.g., 34.20 186), and other parameters like P, P, LR, and offsets.

CGG 15 04:00:22.9 0.9, 14:77N-92:07W, h85km, gkm, MD3.9, Near coast of Chiapas

Table listing station codes (e.g., SMCA, THIG, STGB) and their corresponding station names (e.g., Catarina, El Palmar, Qui), frequencies, and other details.

SOME 15 04:13:03.6, 40:15N:77:92E, h5km, KRN15 15 04:13:05.20.1, 40:25N:77:84E, h21km, mb3.7

Table listing station codes (e.g., TARG, NRN, KDJ) and their corresponding station names (e.g., Taragay, Kyrgy, Naryn), frequencies, and other details.

IDX 15 03:45:42.20.7, 20:23N:147:17E, h0km, mb3.9/11, mbmp4.0/12, MLL4.3/1, Error ellipse: s-maj=25.6km

Table listing station codes (e.g., ZHN, JCJ, H1S3) and their corresponding station names (e.g., Zhinshike, Chichijima, WAKE ISLAND), frequencies, and other details.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like AAA, KNCDC, UZB, MTBS, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like IUG, BRLS, MAKZ, MK31, MKK31.

TXNET 15 04:27:47.9,317N,107.7,104.5W,0.7, h4km,1km,ML2.2/9, 2C, Error ellipse: s-maj=1.1km s-min=1.0km az=70.9, final, Western Texas

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Lists various stations and their parameters.

NEIC 15 04:29:12.8,0.9,36.88N,0.01,-97.43W,0.01, h5km,2km, mb, Lq2.5/28, ML2.8/32, ML2.8/25, Error ellipse: s-maj=2.2km s-min=1.5km az=209.0

NEIC 15 04:29:12.8,0.8,36.87N,0.01,-97.44W,0.01, h5km,1km, Error ellipse: s-maj=2.6km s-min=1.7km az=30.0, Oklahoma

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Lists various stations and their parameters.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like AMTX, P38A, Z38A, N35A, etc.

ASRS 15 04:57:42.0,1.3,53.64N,88.07E, h0km, M2.8, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 15 04:57:44.9,3.1,53.62N,87.89E, h0km, mbtmp2.6/2, ML2.3/2, Error ellipse: s-maj=27.3km s-min=18.3km az=59.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Lists various stations and their parameters.

IDC 15 04:58:02.9,6.2,3.51S,147.62E, h0km, mb3.3/2, mbtmp3.4/2, MS3.2/3, Error ellipse: s-maj=264.2km s-min=51.1km az=107.0, Bismarck Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Lists various stations and their parameters.

MCSM 15 05:05:11.2,0.5,52.1N,4.1E, h10km, MLV3.5 IPEC 15 05:05:12.0,0.2,51.62N,16.05E, h1km, ML3.3/6, Error ellipse: s-maj=1.6km s-min=1.0km az=32.0

IDC 15 05:05:12.5,0.7,51.60N,15.88E, h0km, mb3.0/1, mbtmp3.3/9, ML2.7/7, Error ellipse: s-maj=11.6km s-min=6.5km az=103.0

DNK 15 05:05:12.0,1.4,51.46N,16.07E, h37km,31km, ML2.5 VIE 15 05:05:12.7,0.5,51.55N,15.90E, h0km, mb2.7/7, ml3.4/6, Error ellipse: s-maj=6.8km s-min=2.8km az=51.0 92 km NW of Wrocław Suspected Mining induced.

BGR 15 05:05:13.3,0.4,51.54N,15.95E, h1km, ML3.4/14, Error ellipse: s-maj=5.6km s-min=2.2km az=14.0

UPP 15 05:05:14.6,2.9,51.71N,15.21E, h0km, ML2.5 ISC 15 05:05:10.3,0.6,51.70N,0.03,-16.04E,0.02, h0km, n88, az=133.161, Poland

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Lists various stations and their parameters.

15d 5h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various parameters like SNR, error ellipse, and station type. Includes stations like STEBORICE, MORAVSKY BEROU, and many others.

2019 MAY

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various parameters. Includes stations like ARCES ARCESS Array B, YKA Yellowknife Ar, and many others.

800

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various parameters. Includes stations like mbmtpp3.6/4, ML2.3/1, Error ellipse, and many others.

Table with columns: JOW, Kunigami, 3.60 216 Pn, Pn, 05 25 23.9 -1.4, comp=E, 54nm, 0.3s, baz=92, slow=16, SNR=36

Table with columns: JCY, Chichijima, 10.51 102 P, Pn, 05 27 02.5 +2.3, comp=E, 4.3nm, 0.3s, baz=296, slow=22, SNR=2.0

Table with columns: LYN, LYN, 16.13 352 P, P, 05 28 18.3 -0.7, comp=Z, 190nm, 0.9s

Table with columns for station name, frequency, power, and other technical details. Includes stations like Wanaqama, Kakadu, Gunungsitoli, Lembang, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like FITZ, ALEG, NIL, DZA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like M13K, F15K, J14K, G15K, etc.

Table with columns: SVE, MLR, MLR, and numerical data points for various river gauges such as Wainwright, Timber Creek, Selawik, VABM Dome, Nishlik Lake, etc.

Table with columns: Gauge Name, SNR, Date (2019 MAY), and numerical data points for gauges such as Nigu River, Kliae Creek, Stony River, Barrow, Poorman, etc.

Table with columns: Gauge Name, SNR, Date (2019 MAY), and numerical data points for gauges such as Aiyikyak River, Oil Pt, John River, Innaminika, Redoubt Volcan, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like H23K, BRSE, D24K, C24K, M22K, I23K, B2W, SKLK, E24K, NEA2, RC01, MCK, O22K, F24K, PMR, SEW, GH0, H24K, WRH, G24K, COLA, SML, MORW, PWL, FORT, IL31, ILAR, ILAR.

Table with columns for station ID, name, coordinates, and status. Includes stations like ILAR, LCRK, HDA, G25K, E25K, F25K, C26K, SCM, H25L, KIRV, P23K, GLI, PRP, BMAR, C27K, K24K, J25K, M24K, F26K, HIN, KLU, G26K, RIDG, RIDG, DIV, HARP, EYAK, EYAK, EYAK, BLDU, SCRK, SCRK, J26L, J26L, J26L, I26K, I26K, I26K, E27K, E27K, E27K, D27M.

Table with columns for station ID, name, coordinates, and status. Includes stations like D27M, BMRM, BMRM, MENT, DZM, DZM, DZM, DZM, DZM, DZM, DZM, DZM, STKA, STKA, STKA, HMT, KLBR, KLBR, KAIM, KAIM, H27K, H27K, I27K, I27K, M26K, M26K, M26K, BB00, K27K, K27K, K27K, BERG, SUCK, E28M, E28M, E28M, MCARA, MCARA, MCARA, CMSA, CMSA, CRQM, D28M, D28M, L27K, L27K, L27K, L27K, TGL, TGL, WAX, BELG, BELG, BELG, M27K, M27K, M27K, I28M, I28M, I28M, ARMA, E29M, E29M, E29M, HTT.

15d 5h

2019 MAY

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like HTT Hallett, GRNC Granite Creek, BVCY Beaver Creek, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like G31M, LVZ Lovozero, F31M Tsiigetchic, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like FARO Faro, Yukon, FARO Faro, Yukon, F31M Tsiigetchic, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like GNI Garni, KVAF Kislovodsk Arr, R33M Jennings River, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like VSU Vasula, DAG Danmarks Havn, MEF Mols Rana, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NOA, TLCR NORARS Array S, DOMB Dombas, etc.

Table with columns: IAMS, Fountain, 99.17, 26, IAMS_20, IAMS_20, 06 29 30.6, PGAV, Gavieira, Arco, 99.17, 330, ePP, PP, 05 42 15.8, +3.8, etc.

Table with columns: IAMS, Fountain, 99.17, 26, IAMS_20, IAMS_20, 06 29 30.6, PGAV, Gavieira, Arco, 99.17, 330, ePP, PP, 05 42 15.8, +3.8, etc.

Table with columns: IAMS, Fountain, 99.17, 26, IAMS_20, IAMS_20, 06 29 30.6, PGAV, Gavieira, Arco, 99.17, 330, ePP, PP, 05 42 15.8, +3.8, etc.

SNET 15 05:29:01.9, 1.1, 13.15N:89.63W, h54km, 17km, ML2.4
CATAC 15 05:29:02.0, 0.7, 13.15N:89.63W, h42km, 5km, MD2.4/1,
MLV2:4/12, Error ellipse: s-maj=10.5km s-min=6.6km
az=27.6, confirmed

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, LALI, Alcalde de L, 0.54, 40, Op, ISC, h m s, ISC, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UESV, SCLA, MTO3, etc.

SOME 15 05:29:34.5, 42.78N, 80.07E, h20km

KRNET 15 05:29:35.1±0.1, 42.70N, 80.13E, mb2.7

ISC 15 05:29:36.0±1.3, 42.80N, 0.06, 79.98E±0.05, h10km, n16,

Main table for 15 05:29:36.0±1.3, 42.80N, 0.06, 79.98E±0.05, h10km, n16, r169/32, 10C-2D, Lake Issyk-Kul region. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

UPA 15 05:40:00.4±0.6, 8.32N, 77.90W, h0km, 13km, MW3.5

RSNC 15 05:40:01.8±0.0, 9.1N, 2.7W, h8km, 4km, M2.7, mb4.0, ML2.4

ISC 15 05:40:01.6±1.1, 8.56N, 0.04, 77.78W±0.02, h16km, 9km,

Main table for 15 05:40:01.6±1.1, 8.56N, 0.04, 77.78W±0.02, h16km, 9km, n25, r135/46, 1C, Panama-Colombia border region. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

IDC 15 05:50:57.5±1.1, 4.51S, 153.25E, h0km, mb3.9/7,

mbmp4.0/7, Error ellipse: s-maj=45.4km s-min=23.7km

az=70.0

ISC 15 05:51:03.6±1.0, 4.65S, 153.2E±0.3, h35km, n8, r183/8,

mb4.2/7, New Ireland region

Main table for 15 05:51:03.6±1.0, 4.65S, 153.2E±0.3, h35km, n8, r183/8, mb4.2/7, New Ireland region. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

az=61.0

ISC 15 05:54:08.4±1.0, 12.52S, 0.09, 166.7E±0.2, h100km, n10,

c133/11, mb3.8/9, Santa Cruz Islands

Main table for 15 05:54:08.4±1.0, 12.52S, 0.09, 166.7E±0.2, h100km, n10, c133/11, mb3.8/9, Santa Cruz Islands. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

ASRS 15 05:55:04.0±1.3, 54.25N, 87.10E, h0km, M2.4, The

earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p +

CD-ROM, 2021.

IDC 15 05:55:08.5±3.4, 54.25N, 87.03E, h0km, mbmp2.6/2,

ML2.1/2, Error ellipse: s-maj=30.9km s-min=19.2km

az=57.0, Southwestern Siberia

Main table for 15 05:55:08.5±3.4, 54.25N, 87.03E, h0km, mbmp2.6/2, ML2.1/2, Error ellipse: s-maj=30.9km s-min=19.2km, az=57.0, Southwestern Siberia. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

IDC 15 05:57:07.3±2.1, 4.60S, 152.25E, h0km, mb3.9/4,

mbmp3.9/4, Error ellipse: s-maj=58.8km s-min=41.8km

az=151.0, New Britain region

Main table for 15 05:57:07.3±2.1, 4.60S, 152.25E, h0km, mb3.9/4, mbmp3.9/4, Error ellipse: s-maj=58.8km s-min=41.8km, az=151.0, New Britain region. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

NEIC 15 06:01:42.9±0.9, 19.22N, 155.45W±0.03, h52km, 5km,

Error ellipse: s-maj=6.3km s-min=4.0km az=161.0

HVO 15 06:01:42.8±0.6, 19.20N, 155.39W±0.06, h60km, 4km,

ML2.4/35, ML2.9/40(NEIC), Error ellipse: s-maj=9.5km

s-min=3.5km az=125.0, Hawaiian Islands

Main table for 15 06:01:42.8±0.6, 19.20N, 155.39W±0.06, h60km, 4km, ML2.4/35, ML2.9/40(NEIC), Error ellipse: s-maj=9.5km s-min=3.5km az=125.0, Hawaiian Islands. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CPH, HUH, HAH, etc.

ASRS 15 06:09:23.0±1.1, 54.35N, 86.91E, h0km, M2.3, The

earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p +

CD-ROM, 2021.

IDC 15 06:09:24.2±3.5, 54.40N, 86.98E, h0km, mbmp2.7/2,

ML2.5/2, Error ellipse: s-maj=31.6km s-min=20.0km

az=50.0, Southwestern Siberia

Main table for 15 06:09:24.2±3.5, 54.40N, 86.98E, h0km, mbmp2.7/2, ML2.5/2, Error ellipse: s-maj=31.6km s-min=20.0km, az=50.0, Southwestern Siberia. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

ATH 15 06:15:11.7, 41.99N, 23.61E, h6km, 1km, ML2.6/9, Manual

Solution by P.Lantzourakis First location: 2019/05/15

06:16:08, This location: 2021/05/15 20:46:49 ML

Amplitudes are expressed in micrometers. All distances

are expressed in degrees. Latitude uncertainty: 2 km;

Longitude uncertainty: 1 km;

SOF 15 06:15:12.1, 41.95N, 0.01, 23.64E±0.1, h18km, 1km,

ML2.8/11

THE 15 06:15:13.7, 42.1N, 3.2E±1.1, h17km, 5km, M2.5/9,

MLh2.5/9

SKO 15 06:15:14.8, 41.93N, 23.58E, h0km, ML2.2

BE0 15 06:15:14.1±0.3, 41.95N, 23.59E, h2km, 2km, ML2.5/6

ISC 15 06:15:12.7±1.0, 41.94N, 0.01, 23.62E±0.02, h7km, 9km,

n67, r97/2/11, 7C-2D, Greece-Bulgaria border region

Main table for 15 06:15:12.7±1.0, 41.94N, 0.01, 23.62E±0.02, h7km, 9km, n67, r97/2/11, 7C-2D, Greece-Bulgaria border region. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BOR2, GOC3, GOC5, etc.

ASRS 15 06:44:25.0±1.8, 53.74N-88.23E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 15 06:44:27.4-3.6, 53.76N-88.10E, h0km, mbtmp=8/2, ML2.5/2, Error ellipse: s-maj=34.5km s-min=20.3km az=49.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, etc.

CATAC 15 06:49:10.2±0.5, 14°N±3°9'W±2', h8km±3km, M4.0/21, mb4.1/1, MLV4.0/21, Error ellipse: s-maj=6.5km s-min=5.0km az=33.9, confirmed

SNET 15 06:49:11.0±1.0, 14.21N-91.34W, h0km, 11km, ML3.7, GCG 15 06:49:11.0±1.3, 14.09N-91.58W, h57km±10km, MD4.4, ML3.5, MW3.6

ISC 15 06:49:09.5±1.4, 14.06N±0.06±91.50W±0.04, h8km±8km, n61, i=159/70, 6C-3D, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like STG5, STG8, RTAL, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KAN05, KAN05, KAN14, etc.

IDC 15 07:12:46.7±1.7, 3.70S-149.79E, h0km, mb3.3/3, mbtmp3.4/3, Error ellipse: s-maj=147.3km s-min=26.6km az=123.0, Bismarck Sea

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

IDC 15 07:20:00.2±1.2, 43°56'N-86°33'E, h0km, mb3.6/2, mbtmp3.5/5, ML2.9/3, Error ellipse: s-maj=66.4km s-min=13.3km az=50.0

SOME 15 07:20:00.6, 44°75'N-86°80'E, h15km, ISC 15 07:20:02.9±1.3, 43.88N±0.10-87.18E±0.07, h20km, n11, i=185/16, 5C, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MK31, MKAR, MKAR, etc.

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

SJA 15 07:22:14.7±0.6, 24°16'S-66°82'W, h215km±3km, ML4.2, MW3.9

IDC 15 07:22:15.5±2.1, 24°04'S-66°68'W, h195km±20km, mb3.8/2, mbtmp4.0/8, Error ellipse: s-maj=23.2km s-min=16.5km az=77.0

NEIC 15 07:22:16.9±2.3, 24°10'S-07°67'W±0.1, h227km±12km, mb4.7/7, ML4.5(GUC), Error ellipse: s-maj=14.8km s-min=10.6km az=97.0

GUC 15 07:22:17.4±0.7, 24°01'S-67°27'W, h225km±7km, ML4.5, ISC 15 07:22:15.7±0.6, 24°09'S-07°63'W±0.04, h210km±6km, n84, i=145/116, 6C-1D, Salta Province

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AC01, AC01, AC01, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB08, PB08, PB08, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AC04, AC04, AC04, etc.

Table of seismic stations with columns for station code, name, coordinates, and other parameters. Includes stations like BVAR, WRB, WRAB, etc.

SNET 15 08:47:40.9; 16.0, 12.98N; 89.99W, h57km, ML3.7
CATAC 15 08:47:46.3; 0.4, 13.1N; 8.99W, h24km, mb3.6/3.1,
MLV3.6/3.1, Error ellipse: s-maj=5.3km s-min=2.4km
az=29.9 confirmed

GCG 15 08:47:48.3; 0.7, 13.05N; 89.03W, h47km, 1.3km, MD4.1
ISC 15 08:47:46.7; 1.4, 12.94N; 0.06; 89.02W; 0.03, h26km, 1.2km,
n88, 0.054/98, Off coast of central America

Table of seismic stations with columns for Code, Station Name, coordinates, and other parameters. Includes stations like ALJI, LALI, LALI, etc.

Table of seismic stations with columns for SLOZ, CSGN, POTN, etc. Includes station names like Alcaldia de Sa, Cosiguina Volc, etc.

SOME 15 08:48:11.1; 1.44; 67N; 82.03E, h15km
N15 08:48:13.0; 1.0, 44; 72N; 81.89E, h0km, mb3.6, mpv3.6,
Error ellipse: s-maj=11.4km s-min=3.4km az=122.0,
Suspected Mining explosion

ISC 15 08:48:08.9; 1.4, 16.67N; 0.05; 82.16E; 0.10, h0km, n18,
0.063/27, 2-C, 3D, Northern Xinjiang

Table of seismic stations with columns for Code, Station Name, coordinates, and other parameters. Includes stations like DJR, DJR, DJR, etc.

IDC 15 08:54:39.0; 2.2, 25; 85N; 125.54E, h94km, 20km, mb4.0/2.4,
mbtmp4.2/29, MS2.3/1, Error ellipse: s-maj=17.3km
s-min=10.9km az=80.0

NIED 15 08:54:38.9; 25; 88N; 125.58E, h97km, MW4.0, Moment
Tensor Solution, s3 Moment tensor: Scale 10^15Nm;
Mb<0.27; Mw=0.01; Mw0.26; Mw-0.93; Mw-0.99; Mw0.22;
Fault plane solution: M1.02000x10^15 NP1;
0.356; 0.0000; 3.18; 0.0000; -1.23; 0.0000; NP2;
0.08; 0.0000; 385.0000; -1; 106.0000;

JMA 15 08:54:38.9; 0.2, 26; 12; 6E; 1, h97km, 4km, MV3.8/22,
NW OFF MIYAKOJIMA ISLAND
NEIC 15 08:54:40.1; 2; 0, 25; 73N; 125.67E; 0.07,
h102km, 8km, mb4.6/127, Error ellipse: s-maj=12.8km
s-min=8.9km az=154.0

ISC 15 08:54:39.0; 0.6, 25; 77N; 125.70E; 0.05, h106km, 6km,
n374, 0.128/339, mb4.5/88, 1D, Southwestern Ryukyu

Table of seismic stations with columns for Code, Station Name, coordinates, and other parameters. Includes stations like KUSK, KUSK, KUSK, etc.

Table of seismic stations with columns for JOW, JOW, JOW, etc. Includes station names like Kunigami, Kunigami, etc.

ISC 15 08:54:39.0; 0.6, 25; 77N; 125.70E; 0.05, h106km, 6km,
n374, 0.128/339, mb4.5/88, 1D, Southwestern Ryukyu

Table of seismic stations with columns for Code, Station Name, coordinates, and other parameters. Includes stations like K15K, K15K, K15K, etc.

15d 9h

Table listing station information for the 15d 9h period, including station name, frequency, power, and other technical details.

IDC 15 08:57:29.719,1.5,445:152.67E,h0km,mb3.7/4, mbtmp3.7/4, Error ellipse: s-maj=145.6km

Table listing station information for IDC 15 08:57:29.719, including station name, frequency, power, and other technical details.

NEIC 15 09:02:09.719,2.52N:0.08x124.33E:0.07, h274km,10km,mb4.1/1, Error ellipse: s-maj=15.9km

Table listing station information for NEIC 15 09:02:09.719, including station name, frequency, power, and other technical details.

IDC 15 09:02:10.7,2.46N:0.09x124.38E:0.09,h288km,n33, s160/37,mb3.8/11,Celebes Sea

Table listing station information for IDC 15 09:02:10.7, including station name, frequency, power, and other technical details.

2019 MAY

Main table listing station information for 2019 MAY, including station name, frequency, power, and other technical details.

IDC 15 09:05:17.1,1.5,132:92x70.67W,h0km,mb3.6/4, mbtmp3.7/7,ML3.6/3,MS3.6/10, Error ellipse: s-maj=64.1km s-min=18.8km az=35.0

Table listing station information for IDC 15 09:05:17.1, including station name, frequency, power, and other technical details.

VAO 15 09:05:22.0,2.0,14.23S:0.07x77.77W,h41km,6km,mb4.2, Error ellipse: s-maj=57.1km s-min=15.0km az=154.0

Table listing station information for VAO 15 09:05:22.0, including station name, frequency, power, and other technical details.

816

Table listing station information for the 816 period, including station name, frequency, power, and other technical details.

NEIC 15 09:08:03.7,0.6,19.09N:0.04x155.46W:0.02,h44km,4km, Error ellipse: s-maj=5.1km s-min=2.7km az=180.0

Table listing station information for NEIC 15 09:08:03.7, including station name, frequency, power, and other technical details.

HVO 15 09:08:04.6,0.9,19.04N:0.03x155.45W:0.03,h41km,3km, ML2.2/18,ML2.5/34(NEIC), Error ellipse: s-maj=5.3km s-min=2.4km az=134.0, Hawaiian Islands

Table listing station information for HVO 15 09:08:04.6, including station name, frequency, power, and other technical details.

IDC 15 09:09:14.9,2.1,4.11S:152.30E,h0km,mb3.9/5, mbtmp3.9/5,MS2.8/1, Error ellipse: s-maj=57.1km s-min=38.5km az=154.0

Table listing station information for IDC 15 09:09:14.9, including station name, frequency, power, and other technical details.

IDC 15 09:09:19.4,2.4,4.05S:0.4x152.4E:0.3,h35km,n7, s058/6, mb3.9/5, New Britain region

Table listing station information for IDC 15 09:09:19.4, including station name, frequency, power, and other technical details.

TXNET 15 09:12:21.2,31.6N:0.7x104.6W:0.6,h2km,1km,ML1.8/7, 1C, Error ellipse: s-maj=1.1km s-min=0.9km az=18.9, final, Western Texas

Table listing station information for TXNET 15 09:12:21.2, including station name, frequency, power, and other technical details.

IDC 15 09:16:04.0,5.1,6.16S:149.85E,h45km,44km,mb3.6/7, mbtmp3.9/8,ML2.5/1, Error ellipse: s-maj=61.6km s-min=25.3km az=106.0

Table listing station information for IDC 15 09:16:04.0, including station name, frequency, power, and other technical details.

IDC 15 09:16:04.7,1.0,6.25S:0.2x149.9E:0.3,h52km,n9, s059/11,mb3.6/6, New Britain region

Table listing station information for IDC 15 09:16:04.7, including station name, frequency, power, and other technical details.

Table with columns: WRA, Alice Springs, STKA, PETK, ZALV, QSPA, ILAR, TORD. Includes station names, coordinates, and seismic data.

NEIC 15 09:41:23.5:0.5,36:875N;0:009:97.44W;0.01, h7km,1km, Error ellipse: s-maj=2.6km s-min=2.1km az=48.0

Main table listing seismic stations (Code, Station Name, Azimuth, Phase ID, Time, Res) for various locations like South Haven SW, Blackwell, etc.

DC 15 09:43:29.9:1.7,3:39N;126.62E, h0km, mb3.6/5, mbtmp3.6/5, Error ellipse: s-maj=126.8km s-min=19.8km

Table listing seismic stations (Code, Station Name, Azimuth, Phase ID, Time, Res) for stations like SGSI, FITZ, WRA, ASAR, MKAR, KURBB.

Table listing seismic stations (Code, Station Name, Azimuth, Phase ID, Time, Res) for stations like I46RU, ZALV, ZALV, KURBB, MKAR.

DC 15 09:58:16.1:6.7,5:76S;150.70E, h206km,41km, mb2.7/2, mbtmp3.3/3, Error ellipse: s-maj=136.5km

Table listing seismic stations (Code, Station Name, Azimuth, Phase ID, Time, Res) for stations like PMG, WRA, ASAR, TORD.

SNET 15 10:03:37.3:0.8, 13:15N;90:39W, h14km,14km, ML2.9, GCG 15 10:03:37.1:0.3, 13:19N;90:43W, h21km,6km, MD3.8

Main table listing seismic stations (Code, Station Name, Azimuth, Phase ID, Time, Res) for stations like FAME, NUBE, CEVE, SLOZ, JAYA, etc.

STR 15 10:10:28.2:1.3,45N;44.4E, h0km, MLV1.3/7, Error ellipse: s-maj=0.0km s-min=0.0km az=102.2

Table listing seismic stations (Code, Station Name, Azimuth, Phase ID, Time, Res) for stations like GRN, ORIF, RRR, RRL.

DC 15 10:16:55.8:0.2,3:79N;121.98E, h0km, mb3.7/10, mbtmp3.7/12, ML3.4/1, MS3.4/6, Error ellipse: s-maj=31.6km s-min=16.2km az=69.0

NIED 15 10:16:58.8:23.75N;122.00E, h19km, MW4.0, Moment Tensor Solution, s2 Moment tensor: Scale 10^15Nm

JMA 15 10:16:58.8:0.2,23:8N;0.5:122:0E;0.8, h19km,6km, MW3.5/16, TAIWAN REGION

ASIES 15 10:16:59.8:121.97E, h26km, ML4.0, Mw3.7, Moment Tensor Solution. Moment tensor: Scale 10^21Nm

TAP 15 10:16:59.8:23.77N;121.97E, h26km, ML4.0, Mw3.7, Moment Tensor Solution. Moment tensor: Scale 10^21Nm

Table listing seismic stations (Code, Station Name, Azimuth, Phase ID, Time, Res) for stations like TEYL, SHUL, SHUL, etc.

Large table listing seismic stations (Code, Station Name, Azimuth, Phase ID, Time, Res) for stations like ETL, WARBT, NACB, NACB, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TATO Taipei, TPUB Ta-pu, WDLH Douliu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like WRA Warramunga Arr, BVAR Borovoye Array, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TPB11 China Draw, TPB16 Coyonosa, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MNK, KIV, KBZ, NACGM, PABE, PABE, VSR, GNI, GNI, LPSR, VRH, ESDC, ESDC, ESDC, OBN, OBN, OBN, AKT, AKT, VSU, VSU, VSU, VSU, MDT, MVO, PBAR, PMRV, PCBR, MEF, MFE, HFS, HFS, PVAO, PVAO, RAF, BELG, NC602, FINES, FINES, NAO01, EKA, ESK, ESK, ESK, NOA, NOA, KEF, VAF, KLMR, KLMR, KIRV, AKTO, ABKAR, ABKAR, TORD, TORD, ARTI, ARTI, ARTI, ARCES, ARCES, BORG, BRVK, BRVK, BRVK, BVAR, SIMJ, KK31, KK31, KK31, KKAR, KKAR, GAR, ARSB, AAK, AAK, AAK.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AAK, SPITS, SPITS, BBTS, NRN, NRN, NRN, KURB, NIL, NIL, NIL, KURK, KURK, KURK, KDJ, KDJ, KDJ, TARG, TARG, TARG, MAKZ, MAKZ, MAKZ, MK31, MKAR, MKAR, ZAAO, ZALV, ZALV, NRIK, NRIK, NRIK, SFJD, WMO, WMO, EVN, TSUM, TSUM, SCHG, GTA, GTA, TXI, TXI, TXI, SONM, ULN, ULN, OPO, LBTB, LZH, LZH, LZH, LZH, YAK, BOS, HHC, PZH, PZH, PZH, A36M, A36M, XAN, XAN, CHTO, CHTO, CHTO, CMAR, CMAR, CMAR, C36M, HEH, HEH, HEH, HEH, BILL, BILL, BILL, A22K, B22K, B22K, C26K, D28M, SEY, SEY, A19K, C27K, C27K, D27M, B20K, C23K, C23K, INK, INK.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like INK, INK, C24K, C24K, C24K, D25K, D25K, B21K, B21K, E28M, E28M, E29M, E29M, D24K, D24K, D24K, D24K, B18K, C21K, F31M, F31M, D23K, C19K, F30M, D22K, D22K, E27K, E27K, TOLK, TOLK, TOLK, D20K, KLR, KLR, C18K, YKAW, E25K, E25K, E25K, G31M, YKA, E21K, E21K, D19K, D19K, C16K, G30M, E24K, E23K, E23K, E20K, F26K, F26K, E22K, E22K, G29M, RDOG, F25K, F24K, F24K, D17K, EPYK, EPYK, F22K, G27K, G26K, G26K, H31M, E19K, E18K, COLD, COLD, H29M, H29M, F21K, F21K, G25K, E17K, WRGL, H27K, H27K, F20K, G24K, G23K, G23K, F19K, H25L, I30M.

Table with columns: MSVF, Nonsavu, Eidsvold, ARMA, ARMA, CAN, COEN, WBD, AS31, ASAR, WRA, MTN, KNRA, FITZ, ILAR. Includes station names, times, and phases.

IDC 15 11:25:14.7-1.5, 27.09N-91.40E, h0km, mb3.7/9, mbmp3.7/9, Error ellipse: s-maj=53.8km s-min=26.7km az=58.0

DMN 15 11:25:20.7-0.0, 28.20N-91.37E, h10km, M4.1/8, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 15 11:25:26.8-1.7, 28.11N-91.02E, 0.1, h35km, n20, r=145/25, mb3.6/8, Xizang

Main table for 15d 11h section, listing stations like ODAN, RAMN, JIRN, GUN, PKIN, KKN, DMN, GKN, KOLN, PYUN, MKAR, SONM, KURBB, ZALV, FINES, HFS, NB2, NOA, ASAR, YKA. Includes station names, times, and phases.

IDC 15 11:34:56.1-2.5, 27.13S-176.64W, h0km, mb3.6/3, mbmp3.6/3, Error ellipse: s-maj=69.8km s-min=43.6km az=36.0, Kermadec Islands region

Table for Kermadec Islands region, listing stations like ASAR, WRA, GSPA, AKASG, JMA. Includes station names, times, and phases.

IDC 15 11:38:32.0-1.2, 27.39N-142.92E, h0km, mb3.8/9, mbmp3.7/12, MS2.9/2, Error ellipse: s-maj=24.2km s-min=15.3km az=106.0

JMA 15 11:38:34.0-0.2, 28.1N-141.3E, h0km, MV3.8/13, NEAR CHICHIJIMA ISLAND

ISC 15 11:38:36.7-1.3, 27.55N-108.142E, 0.2, h27km, n23, r=19/20, mb3.8/9, Bonin Islands region

Table for Bonin Islands region, listing stations like CBJ, JCY, JHH, JRY, JAG, MJAR, JFK, KRSR. Includes station names, times, and phases.

Table for 2019 MAY section, listing stations like USRK, KLR, H11S3, H11S1, H11S2, TGY, SONM, WRA, ZALV, MKAR, ASAR, KURBB, BVAR, FINES, IDI. Includes station names, times, and phases.

IDC 15 11:42:06.8-1.8, 54.95N-163.79E, h0km, mb3.2/2, mbmp3.1/3, M2.1/1, MS3.6/1, Error ellipse: s-maj=100.7km s-min=25.9km az=153.0

KRSC 15 11:42:07.0-0.8, 55.39N-163.12E, h14km, 15km, M3.9

ISC 15 11:42:01.9-2.2, 55.26N-160.04E, 0.1, h6km, 13km, n37, r=107/37, Off east coast of Kamchatka Peninsula

Main table for 2019 MAY section, listing stations like KBTR, KRSR, MKZ, BKI, ZLN, BZGR, SMKR, TUMD, CIRR, BZMR, KMNRR, KMRN, KIRRR, KRSR, KLY, KPT, KOZ, SKZ, SRD, ES, SDR, KRER, KRX, UGLR, AVH, KOK, DALK, PET, PETK, PETK, RUS, MTRV, GRG, ASAK, H11N2, H11N3, H11N1, JOW, YKA, NVAR. Includes station names, times, and phases.

THE 15 11:42:44.2, 38.2N-121.3E, h11km, 4km, M3.4/9, MLh3.4/9

ATH 15 11:42:44.3, 37.93N-121.26E, h6km, 2km, ML3.4/19, Manual Solution by S.Kourtrakis First location: 2019/05/15 11:43:36, This location: 2019/05/15 13:18:45 ML

Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

NAO 15 11:42:46.3, 37.90N-121.26E, h10km, mb3.8

IDC 15 11:42:53.7-1.7, 38.07N-121.06E, h94km, 48km, mb3.4/9, mbmp3.7/10, MS2.7/1, Error ellipse: s-maj=26.3km s-min=22.0km az=169.0

ISC 15 11:42:44.1-0.8, 37.91N-102.2125E, 0.02, h10km, 5km, n59, r=63/86, mb3.5/9, Southern Greece

Table for Southern Greece region, listing stations like CLEM, ZAM, RLS, RLS, RLS, AXS, KYPS, DRO, DRO, DRO, LTHK, LTHK, RTZL, ORTH, ORTH, AMT, ZARO, ZARO, UPUR, PSDA, PSDA, PSDA, SMHA, VLS, VLS. Includes station names, times, and phases.

Table for 822 section, listing stations like VLS, VLS, EFP, EFP, DMLN, DMLN, DMLN, FSK, SERG, SERG, KALE, KALE, EVGI, EVGI, ANX, ANX, GUR, GUR, ITM, ITM, ITM, NYDR, NYDR, LK02, LK02, TSJK, TSJK, TSJK, VLX, VLX, MAKR, MAKR, LTK, LTK, AGG, AGG, AXTR, AXTR, OHR, OHR, VAY, VAY, BRTR, BRTR, HFS, HFS, FINES, FINES, EKA, EKA, NB2, NB2, NOA, NOA, TORO, TORO, ARCES, ARCES, BVAR, BVAR, KURBB, KURBB, MKAR, MKAR, ZALV, ZALV. Includes station names, times, and phases.

ISC 15 11:45:10.1, 50.02N-0.66E, h0km, ML2.7, Explosion, STR 15 11:45:11.5, 50.0N-0.6, 50' N4 x 4', h0km, ML2.8/7, Error ellipse: s-maj=0.0km s-min=0.0km az=120.5, preliminary

ISC 15 11:45:09.8-1.1, 50.08N-0.05E, 0.62E, 0.04, h0km, n22, r=100/24, YD, United Kingdom

Main table for 822 section, listing stations like HMNX, HMNX, ELSH, ELSH, LOUF, LOUF, JSA, JSA, BBOU, BBOU, BSKG, BSKG, BROR, BROR, PLEF, PLEF, DOU, DOU, DOU, BGES, BGES, DYA, DYA, MCH1, MCH1, GUEF, GUEF, ROSE, ROSE, BEGF, BEGF, LOCF, LOCF. Includes station names, times, and phases.

IDC 15 11:48:22.3-2.2, 10.42N-124.85E, h0km, mb3.7/5, s-min=20.6km az=66.0, Leyte

WRA Warramunga Arr 31.59 163 P P 11 54 45.9 -1.1

ASAR Alice Springs 35.02 165 P P 11 55 17.4 +0.5

H11S3 WAKE ISLAND Hy 41.22 74 T T 12 38 39.9

H11S1 WAKE ISLAND Hy 41.24 74 T T 12 38 39.5

H11S2 WAKE ISLAND Hy 41.24 74 T T 12 38 43.6

H11N1 WAKE ISLAND Hy 41.54 72 T T 12 39 08.5

H11N2 WAKE ISLAND Hy 41.55 72 T T 12 39 06.3

H11N3 WAKE ISLAND Hy 41.56 72 T T 12 39 06.1

MKAR Makanchi Array 51.06 323 P P 11 57 27.2 +0.7

ZALV Zalesovo Beam 53.83 332 P P 11 57 45.1 -1.7

KURBB Kurchatov Arra 55.16 326 P P 11 57 57.1 +0.5

IDC 15 11:54:59.0-1.6, 4.32S-151.94E, h0km, mb3.8/5, mbmp3.8/5, MS3.4/1, Error ellipse: s-maj=46.1km s-min=31.2km az=98.0, New Britain region

Table for New Britain region, listing stations like WRA, ASAR, JNU, KRSR, VNSA. Includes station names, times, and phases.

15d 12h

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

2019 MAY

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BMR, Baia Mare, KDJ, Kajisaj, etc.

824

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MNK, comp=E,15nm,0.6s, etc.

Table with columns for station name, frequency, polarization, and signal strength. Includes stations like DAVOX, DAVA, DAVR, etc.

Table with columns for station name, frequency, polarization, and signal strength. Includes stations like PSI, RPSI, RANTAU PRAPAT, etc.

Table with columns for station name, frequency, polarization, and signal strength. Includes stations like NRRIK, NRIK, NRRIK, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like YAK, MDJ, JUTU, KLR, MSHR, MORW, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SNA, VNA, WRA, WBO, WBR, ASAR, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like AS31, ASAR, MEEK, QIS, COEN, MORW, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NC204, SKAR, DOMB.

Table for UPP 15 12:29:52.8-0.67'83N-20'22'E, h0km, ML1.6, Confirmed Induced event, Sweden. Includes station names like KUA, RATU, KOVU.

Table for GCG 15 12:32:37.4-0.4, 14.94N-92.25W, h70km, 4km, MD3.6, Near coast of Chiapas. Includes station names like SMCA, SJTA, STG8.

Text describing IDC 15 12:38:21.1-0.7, 28.24N-130.14E, h0km, mb3.8/18, mbmp3.8/24, ML3.3/5, MS3.5/10, Error ellipse: s-maj=19.5km s-min=13.6km az=99.0

Text describing JMA 15 12:38:22.4-0.2, 28.1N-0.9-130.4E-0.7, h24km, 1km, MD4.3/25, MV4.0/25, NEAR AMAMI-OSHIMA ISLAND.

Text describing JMA Felt II J1 at NEAR AMAMI-OSHIMA ISLAND.

Text describing ISC 15 12:38:22.5-1.6, 28.221N-130.436E-0.04, h13km, 9km, n53, c1919/62, mb3.8/20, MS3.8/6, Ryukyu Islands

Main table for station data, including stations like JZK, JAM, JTK, JYRO, JMTN, JOW, JKW, JDD, JKH, JIH, JTN, JNTH, JNTJ, JDBG, JKE, JNU, KRSR, KSCJ, JCY, MJAR, ASAJ, GUMO, KLR, SONM, CMAR, MKAR, ZALV, KURBB, WRA, BVAR, BVAR, PALK, ASAR, ARTI, AKTO, ILAR, BELG, SPITS, KBZ, FINES.

Table for AKASG Malin Array Be, YKA Yellowknife Arr, BRTR Keskin Array B, HFS Hagfors, HFS, NB2 NORARS Subarray, NOA NORARS Arr B, GERES GERESS Array B, EKA Eskdalemuir Arr.

Text describing NNC 15 13:04:26.4-4.0, 37.39N-69.60E, h0km, mb3.6, mpv3.2, 2C-30:02:44, Error ellipse: s-maj=43.5km s-min=36.7km

Table for KK31 Karatay Array, AAK Ala-Archa, TKM2 Tokmak 2, TKM2 1.0nm, 0.7s.

Text describing DNK 15 13:07:39.9-5.0, 81.59N-3.35W, h36km, 50km, ML1.1, BER 15 13:07:39.4-3.9, 81.52N-3.96W, h10km, km(Pn)2.7

Text describing ISC 15 13:07:36.5-1.0, 81.40N-0.08-3.98W-0.04, h11km, n14, c561/24, North of Svalbard

Main table for station data, including stations like NOR, KBS, KBRB, SPA0, SPA0, SPA0, DAG, DAG, DAG, HSPB, ZF12, OMEGA, DBG, DBG, DBG, DBG.

Text describing RSNC 15 13:14:00.6-0.0, 1'N-2'x7'W, h8km, 2km, M3.5, mB4.4, mb3.4, ML3.2, MLV4.0, Mw(m)3.6

Text describing IGQ 15 13:14:13.9-0.3, 1'N-2'x7'W, h3km, 1km, MLV3.8/12

Text describing IDC 15 13:14:15.3-1.1, 0.74N-77.99W, h0km, mb3.5/3, mbmp3.7/7, ML3.0/4, MS3.7/4, Error ellipse: s-maj=26.5km

Text describing ISC 15 13:14:15.1-0.6, 0.71N-0.02-77.89W-0.02, h10km, n88, c1972/112, mb3.5/3, MS3.7/3, 24C-14D, Colombia-Ecuador border region

Main table for station data, including stations like CHL2, TULM, TULM, TULM, LNGL, ECEN, ATUL, CMBC, CMBC, YARU, YARU, ALIT, ALIT, LITE1, IMBA, COTA, CUIC, CAYA, CAYA, CUSE, CUSE, ANGU, ANGU, CANGV, OTAV, OTAV, OTAV, GCOUF, GCOUF, REVS, REVS, PULU, PAC1, PAC1, PAC1, PAC1, YANL, PINO.

Main table for station data, including stations like GGPC, TERV, APS1, GUAT, JUA2, ANTI, HPAL, ANTS, ANTC, CRUC, ANTM, TOMA, PITA, TUMC, VCI, SR1M, BVCC, BBAC, BBAC, NASZ, ETAM, SUCR, TAMB, BRES, BNAF, CAMI, RVRD, BMOR, SLOL, VCES, BRRN, SANR, ILLU, ARDO, PIAT, PISP, POPC, GRIC, GRIC, PORT, FLOCC, FLOCC, JAMC, JAMC, GARC, GARC, PTLG, MALC, MALC, ROSC, ROSC, ATAH, ATAH, SDV, SDV, LPAZ, LPAZ, MDP, CFA, PFO, NVAR, YKA, ILAR, KURBB.

Text describing IDC 15 13:14:12.5-0.9, 20.92N-122.07'E, h0km, mb3.7/9, mbmp3.7/12, ML3.3/3, MS3.0/5, Error ellipse: s-maj=27.5km s-min=17.6km az=72.0

Text describing JMA 15 13:14:18.6-0.4, 21'N-2'x7'W, h3km, 1km, MLV3.8/12, TAIWAN REGION

Text describing ISC 15 13:14:17.0-0.9, 21.07N-10.09-122.08E-0.07, h35km, n35, c1920/35, mb3.7/9, MS2.9/3, Taiwan region

Main table for station data, including stations like TWG2, YULB, TPUB, SSSL, NACB, HATJ, HATJ, JYNG, JYNG, IRIF, JKRJ, JKRJ, YHNB, ISHIGAKI, JIJ, JISG, JIRB, JMW, JMW, JOW, JOW, JOW, JNU, JNU, KRSR, CMAR, KLR, SONM, SONM, MKAR, H1N1, H1N2, H1N3.

Table with columns: Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like WAKE ISLAND Hy 41.95 85 T, WAKE ISLAND Hy 41.96 85 T, WAKE ISLAND Hy 41.97 85 T, etc.

IDC 15 13:25:38.54.4, 3.47Sx:148.49E, h0km, mb4.0/5, mbtmp4.0/5, MS3.4/4, Error ellipse: s-maj=111.6km s-min=30.9km az=97.0, Bismarck Sea

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

BUI 15 13:28:12.0, 3.56N, 126.82E, h10km, mb4.7/6, mb4.7/27, Ms4.1/9, Ms7.4/0/9

IDC 15 13:28:15.9-0.5, 3.95N, 126.43E, h0km, mb4.4/28, mbtmp4.4/31, ML4.0/3, MS3.5/13, Error ellipse: s-maj=27.0km s-min=8.7km az=74.0

DJA 15 13:28:18.6-0.4, 4.2N, 127.7E, h20km, 3km, M4.7/15, mb5.0/6, mb4.7/10, ML4.8/15, Mw(mb)4.3/6

NEIC 15 13:28:23.0-1.8, 4.20N, 0.06x:126.71E, h0.08, h3km, 6km, mb4.6/63, Error ellipse: s-maj=12.0km s-min=8.5km az=65.0

IDC 15 13:28:21.1-1.9, 4.14N, 0.04x:126.72E, h0.06, h31km, 13km, 1293, s137/295, mb4.6/64, MS3.6/16, 1C-2D, Talaud Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like Sangihe, Davao City (W), Luwuk, etc.

Table with columns: Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like Alice Springs, ASAR, ASAR, CMAR, ENH, etc.

Table with columns: Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like Kuskokwak Cree, CHNA, M14K, G15K, etc.

Table of station data including IDs (K20K, I20K, KDAAK, etc.), names (Telida, Naaghedeneel, etc.), coordinates, and other parameters.

Table of station data including IDs (G24K, HDA, ILAR, etc.), names (Hadweenzic Riv, Harding Lake, etc.), coordinates, and other parameters.

Table of station data including IDs (CMAR, FINES, ZALV, etc.), names (Chang Mai Arr, FINES Array B, etc.), coordinates, and other parameters.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like NSIT, LIOB, WHYT, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like STRU, KONO, VANU, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like TXAR, MKAR, KURBB, etc.

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Table with columns for station names (e.g., SSE, KS19, FALS, etc.), coordinates, and status indicators (P, I, A, etc.).

Table with columns for station names (e.g., PRN, R16K, 319A, etc.), coordinates, and status indicators (P, I, A, etc.).

Table with columns for station names (e.g., N17K, NONG, NONG, etc.), coordinates, and status indicators (P, I, A, etc.).

Table with columns for station ID, name, frequency, mode, and signal strength. Includes stations like L19K, L19K, SIT, GAMB, SUA, K17K, EYAK, etc.

Table with columns for station ID, name, frequency, mode, and signal strength. Includes stations like CMAR, PDAR, PDAR, PDAR, XAN, etc.

Table with columns for station ID, name, frequency, mode, and signal strength. Includes stations like PZH, PZH, PZH, PZH, HDA, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like C19K Lookout Ridge, F24K Squaw Lake, B18K Kokolik River, etc.

Table with columns: SVE, MLR, MLR, etc. Includes entries like ARTI Arti, KIRV Kirov, ARCES ARCES Array B, etc.

Table with columns: SUW Suwalki, DIKM Dikami, DEL Delary, etc. Includes entries like SUW Suwalki, DIKM Dikami, DEL Delary, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like Koelnbreinsper, OBKA Obir, WATA Walderma, MYKA Terra Mystica, etc.

15C 15:14:20.36.1.0.8, 9.85N, 123.91E, h0km, mb3.8/8, mbmp3.8/8, Error ellipse: s-maj=77.5km s-min=-19.3km az=67.0

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

VIE 15:14:26:37.0.3.46:39N-15:07E, h0km, mb1.0/3, ml1.5/3, Error ellipse: s-maj=1.8km s-min=1.6km az=29.0 23km NW of Celje Suspected Mining Induced.

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

15C 15:14:33:06.9.3.36:19S:178.04W, h273km, 29km, mb3.4/9, mbmp4.1/11, Error ellipse: s-maj=26.0km s-min=15.9km az=92.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like RIZ Raoul Island, GLKZ Green Lake, MSVF Nonsava, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like RPZ 18n0.0,8s, ASAR Alice Springs, WRA Warramunga Arr, etc.

15C 15:14:35:52.9.3.2:97N-128.66E, h197km, 100km, mb3.3/9, mbmp3.8/9, Error ellipse: s-maj=40.7km s-min=16.0km az=85.0

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

WBO Warramunga Arr 23.30 166 P Iamb Iamb 14 41 43.8 -0.5 14 41 44.7

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

15C 15:14:49:31.3.1.2, 19.56N:109.07W, h0km, mb4.1/9, mbmp4.2/13, ML4.0/4, MS4.2/16, Error ellipse: s-maj=47.5km s-min=15.1km az=65.0

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

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like H06S Chamela, H06S Chamela, CJM Chamela, etc.

15C 15:14:23.0.3.36:19S:178.04W, h273km, 29km, mb3.4/9, mbmp4.1/11, Error ellipse: s-maj=26.0km s-min=15.9km az=92.0

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

15C 15:14:26:37.0.3.46:39N-15:07E, h0km, mb1.0/3, ml1.5/3, Error ellipse: s-maj=1.8km s-min=1.6km az=29.0 23km NW of Celje Suspected Mining Induced.

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

15d 14h

Table with columns: Station, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, etc. Includes stations like RSSD Black Hills, YBH Yreka Blue Hor, YNR Norris Junction, etc.

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Table with columns: Station, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, etc. Includes stations like KDAK Kodiak Island, OHAK Old Harbor, SII Sitikak Island, etc.

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Table with columns: Station, Name, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Status, etc. Includes stations like L20K Farewell, AK, P16K Nushagak River, G25K Bearman Lake, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Nanvaranak Lak, Kiwalik MOUNTA, Knifefield Rid, etc.

IDC 15 14:53:00.6-1.8, 29'00S-176'31W, h0km, mb3.9/4, mbmp4.0/5, ML3.8/1, Error ellipse: s-maj=57.8km s-min=29.5km az=130.0

ISC 15 14:53:06.0-1.1, 28'90S-108'176'3W, 0.1, h36km, n25, e148/35, mb3.9/4, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Green Lake, Raoul Island, Waiomatatini S, etc.

NEIC 15 14:56:51.6-1.2, 9'53N-077'126'57E-0.03, h35km2Zkm, mb4.5/41, Error ellipse: s-maj=12.6km s-min=3.8km az=192.0

IDC 15 14:56:56.0-2.1, 9'48N-126'69E, h87km20km, mb3.8/24, mbmp4.1/25, Error ellipse: s-maj=22.4km s-min=10.6km az=89.0

ISC 15 14:56:50.8-0.4, 9'55N-075'126'65E-0.10, h35km, n84, e136/81, mb4.4/45, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Davao City (W), Ternate, Tolitoli, etc.

NEIC 15 15:03:44.1-1.6, 2'88S-077'126'93E-0.03, h10km, 1km, mb4.5/22, Error ellipse: s-maj=11.6km s-min=4.1km az=186.0

DJA 15 15:03:45.0-2.3, 2'12'7E, h10km, M4.6/28, mb5.0/7, mb4.8/17, ML4.7/28, MW(Mb)4.3/7

ISC 15 15:03:44.1-1.0, 4.2, 2.88S-075'126'83E-0.05, h10km, n81, e170/81, mb4.3/24, Ceram

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, Vnda, etc.

NEIC 15 15:03:44.1-1.6, 2'88S-077'126'93E-0.03, h10km, 1km, mb4.5/22, Error ellipse: s-maj=11.6km s-min=4.1km az=186.0

DJA 15 15:03:45.0-2.3, 2'12'7E, h10km, M4.6/28, mb5.0/7, mb4.8/17, ML4.7/28, MW(Mb)4.3/7

ISC 15 15:03:44.1-1.0, 4.2, 2.88S-075'126'83E-0.05, h10km, n81, e170/81, mb4.3/24, Ceram

15d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SONMG Songo Array, PETK Petrovsk, MKAR Makanchi Array, DRK Karamyk, ZALV Zalesovo Beam, GAR Garm, KURK Kurchatov, KKAR Karatay Array, BVAR Borovoye Array, VVDA Vanda, AB31 Akbulak array, L16K Ohvat River, M16K Timber Creek, PLTB Pedras Altas.

IDC 15 15:06:09.6;2.9;4.99S;101.87E;h0km,mb4.0/6, mbtmp4.0/6, Error ellipse: s-maj=105.8km s-min=23.0km

DJA 15 15:06:14.0;0.0;5.5;S;4x10^2E;h23km,5km,M4,1/7, MLV4,1/7

ISC 15 15:06:15.1;1.1;4.98S;0.09N;101.94E;0.08,h36km,n25, o#84/17,mb4.1/6,Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MNAI Anna, KSI Kapahiang, LWLI Liwa, MDSI Maura Dua, CGJI Cibinong, SISI Saibi, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08S1 Diego Garcia H, H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, WRA Warramunga Arr, ASAR Alce Springs, SONMG Songo Array, MKAR Makanchi Array, USRK Ussuriysk Ar, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS, H04S1 CROZET ISLANDS, H04S2 CROZET ISLANDS, ZALV Zalesovo Beam, TXAR Lajitas Array.

KRNET 15 15:07:19.5;0.1;39.17N;77.39E;mb3.2 NNC 15 15:07:21.8;1.2;39.57N;77.37E;h0km,mb3.6,mpv3.3, Error ellipse: s-maj=8.2km s-min=7.4km az=166.0

SOME 15 15:07:22.3;0.9;49.77N;77.47E;h15km

ISC 15 15:07:21.2;1.0;39.29N;0.10;77.27E;0.06,h17km,n35, o#130/50,17C-11D,Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NRR Naryn, NFN Kajisay, KDJ Kajisay, SFK Sufi-Kurgan, ULHL Ulahol, SALK Salom-Alik, SALK Salom-Alik, PRZ Przheval'sk, BOOM Boomskiye usch, ECOM Aral, ARLS Aral, TNS5 Tian-Shan, TNS5 Tian-Shan, IZV Izvestkoviy, IZV Izvestkoviy, IZV Izvestkoviy, TKM2 Tokmak, TKM2 Saty, SATY Saty, MDOK Medeo, MDOK Medeo, MDOK Aral, KST Kasteik.

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Table with columns: KST, Lg, Lg, Time, Res, ISC. Includes stations like KST Kasteik, MTBS Maitube, AML Almayashu, KOTS Kotrybulak, KOTS Kotrybulak, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, UZB Degeres, DGS Degeres, DGS Chumysh, CHMS Shalkode, SHLS Shalkode, SHLS Kokpek, KPKS Kokpek, KPKS Kokpek, KPKS Kokpek, KPKS Kokpek, BLB Baldybastay, DJR Jarkent, DJR Jarkent, DJR Jarkent, HEL 15 15:14:29.2;0.3;67.52N;34.48E;h0km,ML2.0,Explosion KOLA 15 15:14:31.5;0.7;64N;34.22E;h0km,ML2.2, Error ellipse: s-maj=4.0km s-min=1.8km az=130.0,Murmanskiy region, Kirovsk district ISC 15 15:14:30.5;0.9;67.63N;0.03;34.22E;0.04,h0km,n28, o#108/46,Baltic States-Belarus-Northwestern Russia Code Station Name Az Az' Phase ID Time Res ISC

CATAC 15 15:21:48.4;0.3;11.1N;8.3W;h1km,M4.0/19, MLV4.0/19, Error ellipse: s-maj=4.8km s-min=2.8km az=89.1, confirmed

UCR 15 15:21:51.2;1.1;10.56N;83.07W;h18km,2km,MW3.8 ISC 15 15:21:47.9;1.4;10.50N;0.03;83.04W;0.04,h7km,10km, n117,-0891/149,18C-36D,Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VERH Veragua Rainfo, CARH Cariari, RVLV Villa Bonita, RESJ San Isidro (Tu), RESJ Guapiles, PILE Pile, CVTG V. Turrialba, CVTG Santa Teresita, CVTG Santa Teresita.

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Table with columns: CVTR Volcan Turrial, CVTR Volcan Turrial, VTCV VTCV, Calle Va, CVTV Tajo, VTRTO Volcan Turrial, CVTO Turrialba Volc, VTLA Turrialba Volc, CEUA Cerro Uatsi, CEUA Sarapiquí, VICA Volcano Irazu, PCAYA Pacayas, PCAYA Finca Echanti, REPA Paraso, CORON Coronado, CORON V. Barva, TRIO Tres Rios, ARTO Rio Cuarto, LUPE Guadalupe, ECI Escuela Centro, SJS3 Mercedes San J, SJS3 Escuela Geolog, SJS Santo Domingo, DOMI Santo Domingo, HDC Heredia, HDC Heredia, HDC Lujan, LUIA Lujan, LUIA Pital, INTA Desamparados, SALS Posadas, VPS8 V Posas, LCR2 La Lucha 2, LCR2 La Lucha 2, LCR2 La Lucha 2, BELA Belen, SANTA Santa Ana, SANTA Cerro El Cedra, SAE San Jerroin, ABE2 San Pablo, ABE2 Durika, DRKO Durika, DRKO Durika, PITB Pirres, San, PITB Coepe Vega, Sa, COVE Coepe Vega, Sa, ROZE San Marcos de, ROZE V. Platanar, VPLA Tacares, TCS1 Tacares, TCS1 Tacares, ACOS Acosta, ACOS Buenos Aires, PURI Puriscal, PURI Puriscal, ATEO Atenas, ATEO Palmares, PALD Palmares, RICO Ph. Pirres, RICO Ph. Pirres, SRA1 San Ramn, EDPE Peribayre, P, LLNJ Nanjito, LLNJ Puntarenas Pro, LLNJ Las Palmas La, CORNA Casa Canada, SOCE Pocosol, SOCE Pocosol, SOCE Pocosol, BLUN Bluefields, BLUN Bluefields, BLUN Bluefields, EDPE Potrero Grande, OCHAL Ochojal, OCHAL Ochojal, VYAC Volcan Arenal, VYAC Volcan Arenal, ALCO Alturas Coton, ALCO Alturas Coton, ARE1 Arenal 1, ARE1 Arenal 1, VARE V. Arenal, VARE V. Arenal, LASC Las Chilies, LASC Las Chilies, BRUZ Volcan, BRUZ Volcan, QUEB Quebradon, Cot, QUEB Quebradon, Cot, CLLRA Cordillera, CLLRA Cordillera, PBNO Pucuro Nuevo, PBNO Pucuro Nuevo, JTS Las Juntas de, JTS Las Juntas de, BOTLY Boquete Panama, BOTLY Boquete Panama, RBALA Bur, RBALA Bur, PRISO Paraso, PRISO Paraso, INVE Universidad In, INVE Universidad In, ESPN Las Esperanzas, ESPN Las Esperanzas, ESPN Las Esperanzas, CDITO Canoas, CDITO Canoas, CDITO Canoas, VYAR Armenia, Volca, VYAR Armenia, Volca, CUI Cutipala, CUI Cutipala, CSTB Del las Acacias, CSTB Del las Acacias, CBL1 Cabuya, CBL1 Cabuya, PLVR Palo Verde, PLVR Palo Verde, VRLA La Escondida, VRLA La Escondida, LKPO Fincas Peria, LKPO Fincas Peria, CMARA Lajas Hojanca, CMARA Lajas Hojanca, ACON Acoyapa, ACON Acoyapa, ACON Acoyapa, ACON Rivas, ACON Rivas, CONN Concepcion, CONN Concepcion, BOAB BOAC BROADBAN, BOAB BOAC BROADBAN, BCIP Isla Barro Col, BCIP Isla Barro Col, ZANG Zanguanga, Cho, ZANG Zanguanga, Cho, MONT Mtapiapa, MONT Mtapiapa, MOMO Momotombo, MOMO Momotombo, CNCG Cerro Negro, CNCG Cerro Negro, LIMN Finca el Limon, LIMN Finca el Limon, RCPN Sur Rio San Ju, RCPN Sur Rio San Ju, RCVN Varillal, RCVN Varillal, COIHH El Horno, COIHH El Horno.

KRSC 15 15:30:10.4;2.0;49.32N;156.99E;h40km,25km,M4.1, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, PAU Pauzhetka, PAU Pauzhetka, KDRH Khodutka, Kamc, KDRH Khodutka, Kamc, KDRH Khodutka, Kamc, ASAK Asachia, ASAK Asachia, MTRV Mutnovka, MTRV Mutnovka, RUS Russkaya, RUS Russkaya, RUS Goretly, RUS Goretly, KRMR Karymshinskiy, KRMR Karymshinskiy, DALK Dalny, DALK Dalny, DALK Dalny.

Main table containing astronomical data for 15d and 16h periods, listing various celestial objects and their coordinates.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like VRI, PLOR, COVR, KEST, OBKA, VORR, etc., with various technical specifications and signal strength indicators.

Table with 7 columns: ID, Name, Azimuth, Altitude, Position, Date, Time. Rows include: D17K Noatak River, E27K Coleen River, E27K Coleen River, E22K Anakutuvuk Pass, E25K Arctic Village, E25K Arctic Village, E24K Your Creek, E24K Your Creek, E23K Chandalar, E23K Chandalar, F30M Barrier River, F31M Tsighehtich, F31M Tsighehtich, E18K Tukpahleark C, E18K Tukpahleark C, E19K Redstone River, F26K Sheenjak River, E17K Hotham Inlet, F25K Christian Rive, F22K John River, SBUM Sibiu, F24K Squaw Lake, F24K Squaw Lake, BMAR Burnt Mountain, G31M Satah River, G31M Satah River, G30M Uooh Zraii Nji, F21K Alatna River, F21K Alatna River, F21K Alatna River, COLD Coldfoot, COLD Coldfoot, F20K Avarart Lake, G29M Pine Creek, G29M Pine Creek, F19K Shalerucik Mo, F19K Shalerucik Mo, ASAJ Asahikawa, F18K Selawik, F17K Baldwin Pennin, F17K Baldwin Pennin, G26K Porcupine Rive, G26K Porcupine Rive, STKI Sintang, G27K Doyon Strip, G27K Doyon Strip, G25K Bearman Lake, G23K Banaruk Creek, EPYK Eagle Plains, EPYK Eagle Plains, G24K Hadweenic Riv, G21K Allakaket, F15K North Star Dit, H29M Whitestone, H29M Whitestone, G19K Purcell Mouna, G19K Purcell Mouna, H27K Steamboat Moun, H27K Steamboat Moun, H31M Peel River, G18K Tagagavik, G18K Tagagavik, H25L Birch Creek, YKAW3 Yellowknife Wh, YKAW3 Yellowknife Wh, YKAW1 Yellowknife Wh, G16K Koyuk River, YKA Yellowknife Ar, YKA Yellowknife Ar, G17K Kiwalik Mouna, H22K Ishlatina Cre, G15K Nuukluk, H23K Yukon River, H23K Yukon River, H24K Noodor Dome, H19K Roundabout Mou, H19K Roundabout Mou, H21K Melozitna Rive, I27K Kandik River, H20K Anotenegga Mo, I28M Miner Creek, I28M Miner Creek, I29M Oglivie Camp, I29M Oglivie Camp

Table with 7 columns: ID, Name, Azimuth, Altitude, Position, Date, Time. Rows include: I30M Mount Dempster, I30M Mount Dempster, ANM Notch, PRP Porcupine Dome, H18K Honhosa River, PETK Petropavlovsk, H17K Granite Mouna, MJAR Matsushiro Arr, I26K Coal Creek Min, I26K Coal Creek Min, H16K Elim, I21K Tanana, I21K Tanana, I23K Minto, Yukon-K, POKR Poker Plat Res, GCSA Gala City Sc, I20K Naaghedeneel, COLA College, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, CCB Cisek Creek, J25K Salcha River, NEAZ Nenana, J26L Joseph Creek, J26L Joseph Creek, WRH Wood River Hill, I17K Unalakleet, HDA Harding Lake, HDA Harding Lake, J20K Nowata River, J19K Poorman, J19K Poorman, K29M Barlow Dome, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, K27K Chicken, K27K Chicken, SCRK Sand Creek, SCRK Sand Creek, CHUM Lake Minchumik, J16K Anvik River, J16K Anvik River, J17K VAMB Dome, J17K VAMB Dome, K24K Donnelly Dome, RIDG Independent Ri, RIDG Independent Ri, J18K Innoke River, J18K Innoke River, MCK McKinley, DOT Dot Lake, J14K Nanvaranak Hill, KTH Kantiana Hill, K20K Telida, MMPY Sheldon Lake, CAST Castle Rocks, CAST Castle Rocks, TRF Thorofore Moun, TRF Thorofore Moun, RND Reindeer, L29M L29M, L29M L29M, TTA Talatina, BCAR Beaver Creek A, L27K Beaver Creek, K17K Iditarod, K17K Iditarod, L26K Log Cabin Wild, FFC Flin Flon, FFC Flin Flon, FFC Flin Flon, MENT Mentasta, K15K Wolf Creek Mou, MCWV Mont Chateau, K13K Kusitvak Mount, FARO Faro, Yukon, TGTN Hyland Airport, M31M Drury Creek, M31M Drury Creek, M29M Somers Creek, L20K Farewell, AK, BVCY Beaver Creek, L17K Donlin, L18K Granite Mouna

Table with 7 columns: ID, Name, Azimuth, Altitude, Position, Date, Time. Rows include: M26K Nabesna, AK, M27K Edge Creek, AK, M27K Edge Creek, AK, HARP HAARP, L19K White Mountain, L19K White Mountain, L15K Ungalak Mouna, L16K Owhat River, L14K Kuka Creek, M24K Tolsona, Glenn, M19K Big River Lodg, SKT Skwentna, SKT Skwentna, M20K Styx River, M20K Styx River, N31M Braeburn, Yuko, YUK3 Moose Creek, N32M Quiet Lake, N30M Aishikik Lake, N30M Aishikik Lake, SCM Sheep Creek Mo, SML Sawmill, SML Sawmill, M23K Glacier View, M23K Glacier View, GHO Glory Hole Cre, M17K Hollina River, M18K Stony River, M11K Mekoryuk, YUK4 Talbot Arm, STLK Strandline Lak, M14K Bethel, SUA Susitna One, SUA Susitna One, KLU Klutina, KLU Klutina, M16K Timber Creek, YUK8 Steele Glacier, MCAR McCarty VSAT, KNK Knik Glacier, M13K Dall Lake, M15K Kasigluk River, N20K Mount Spurr, YUK6 Outpost Mouna, O30N Mendenhall, WHY Whitehorse, HYT Haines Junction, HYT Haines Junction, RCO1 Rabbit Creek A, CTG Chitna Glacier, LIRD Liard River Hi, BMRM Bremner River, N19K Bonanza River, N19K Bonanza River, P33M Teslin, Yukon, P33M Teslin, Yukon, LOGN Logan Glacier, O28M Mount Upton, N16K Nishik Lake, N18K Kilae Creek, N18K Kilae Creek, N18K Kilae Creek, N18K Kilae Creek, GLI Glacier Island, N17K Nushagak Hills, PWL Port Wells, CRQE Cirque, N15K Kwethluk River, TOAD Toad River Cree, N14K Kusokwak Cree, O29M Mount Kennedy, O29M Mount Kennedy, EYAK Cordova Ski Ar, SLKM Skilak Lake, P30M Million Dollar, R33M Jennings River, MESA MESA, P32M Atlin, P32M Atlin, PINM Pinnacle, O17K Kolignek Bris, SEW Seward, O18K Koktuh Hills, O16K Kokwak River, MPSP Mapaga, SKAG Skagway, P23K Montague Islan, P29M Windy Craggy

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Tiyukauveit M, Kayak Island, Pleasant Camp, Peninsula, Nakina River, Bradley Lake S, Ungalikthiuk R, Big Mountain, Dease Lake, Dease Lake, Kvichak River, Nushagak River, King Salmon, Telegraph Cree, Shuyak Island, Contact Cree, Bob Quinn, Kodiak Island, Karluk, Sitka, Old Harbor, Brasilia, Ketchikan, Chernabura Isl, Unalaksa Valle, Nikolski High, Lasa Array, Black Hills, Black Hills, Yellowstone No, Hebgen Lake, Santo Domingo, Pinedale Array, Blue Mountains, Blue Mountains, Warramunga Arr, Warramunga Arr, Alice Springs, Beltrano 2, Stephens Creek, Stephens Creek, South Pole Qui, Toolang, Toolang, Canberra, Canberra, Mont Dzumac, Fox Glacier, Otago Downs, Nonsavu, Rata Peaks, Lake Taylor, Papeete2, Tubus, TBI.

TXNET 15:17:04.06.6,31.7N,0.8,104.3W,0.7,h5km,2km,ML2.4/8, 3C, Error ellipse: s-maj=1.4km s-min=1.0km az=33.0, final, Western Texas

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Pecos, Southwest of T, Guadalupe Moun, Mentone, Southwest of T, Carlsbad, Permian Basin, Carlsbad 7, Cornudas Mount, Verhalen, Van Horn, Eunice, Coyonosa, Hovey Rd, Monahans, Alpine, Cap Rock, Odesa, Seminole, Rankin, Laljitas Ar. Si.

SOME 15:17:14.46.8,42.27N,75.55E,h5km KNET 15:17:14.46.8,0.5,42.27N,75.53E,h0km,m1.3,Error ellipse: s-maj=5.6km s-min=2.4km az=9.0, NNC 15:17:14.48.7,2.1,42.34N,75.62E,h0km,m3.1,mpv2.7, Error ellipse: s-maj=12.7km s-min=9.7km az=54.0, ISC 15:17:14.46.9,1.4,42.26N,0.05,75.57E,0.02,h4km,12km, n18,+0549/34,8C-4D, Lake Issyk-Kul region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Karagaybulak, TKM2, KST, KST, AAK, CHMS, CHMS, DGS, DGS, MTBS, MTBS, MTBS, MTBS, MTBS, TNS, TNS, TNS, TNS, TNS, EKS2, EKS2, KTBS, KTBS, KUU, KUU, MRKS, MRKS, MRKS, SATY, SATY, KPKS, KPKS, WRA, WRA, ASAR, ASAR, TXAR, TXAR, ILAR, ILAR, BRTR, BRTR, MMAI, MMAI, GERES, GERES.

IDC 15:17:15.20.7,3.0,18.35Sx178.08W,h582km,19km,mb2.7/4, mbmp3.7/5, Error ellipse: s-maj=88.6km s-min=22.7km az=7.49.0

ISC 15:17:16.16.5,1.3,19.0S,0.4x177.6W,0.2,h550km,n8, c1868/11,mb3.2/4,Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Nonsavu, Nonsavu, WRA, WRA, ASAR, ASAR, TXAR, TXAR, ILAR, ILAR, BRTR, BRTR, MMAI, MMAI, GERES, GERES.

IDC 15:17:26.12.6,9.3,55.58Sx25.64W,h146km,87km,mb3.6/2, mbmp4.0/3, Error ellipse: s-maj=44.4km s-min=26.7km az=55.0

ISC 15:17:26.12.5,1.0,55.57S,0.2,25.6W,0.3,h150km,n10, c1858/10,4C,South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Neumayer-Stat, Neumayer Olymp, SNA, SNA, GSPA, LPAZ, TOR, TOR, FINES, FINES, ILAR, ILAR.

NEIC 15:17:29.44.8,0.6,36.86N,0.01x97.45W,0.02,h4km,1km, mb_Lg2.7/51,ML3.1/50, Error ellipse: s-maj=2.3km s-min=1.3km az=221.0, Oklahoma

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like South Haven SW, Caldwell North, Caldwell West, Grant County #, Argonia South, Bluff City Nor, Grant County #, Argonia South, Bluff City Nor, BUCKLEBOO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Manchester OK, Anthony NE Sta, Carrier, Pawnee Station, E0350 and S346, Salt Plains W, Harper NE Sta, Sooner Circle, Quoy, Liberty Lake, Waynoka, Depew, Hydro, Custer, Leonard, Elis County, Rose Lookout, Smith Ranch, M, Kansas State U, Wichita Mounta, Cavette, Cedar Bluff, Hobbs, Perrin-Whitt E, Azle, Mount Ida, Amarillo, Palo Pinto, Maddies Statio, Basin Creek Fa, Woolly Hollow, Abilene, Hanny, Kaye Shedlock, University of, Snyder 07, White Oak Lake, Lake Charles, Basin Creek Fa, Paris, Cathedral Cave, Van Buren, Lake Charles, Poplar Bluff, French Village, Brady, Sterling City, Cape Girardeau, Divide, Del Rio.

IDC 15:17:01.9,3.7,5.40S,145.74E,h95km,23km,mb3.4/3, mbmp3.7/6, Error ellipse: s-maj=59.6km s-min=19.8km az=53.0

ISC 15:17:01.9,2.3,5.45S,0.2,145.7E,0.3,h86km,n6,c1906/7, mb3.7/3, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Port Moresby, SNA, SNA, WRA, WRA, ASAR, ASAR, STKA, STKA, QSPA, QSPA, DRIO, DRIO.

IDC 15:17:36.43.4,1.8,23.67Sx179.99W,h525km,17km,mb3.2/5, mbmp4.1/8, Error ellipse: s-maj=24.2km s-min=20.4km az=150.0

NEIC 15:17:36.48.8,1.5,24.0S,0.1x179.8E,0.2,h580km,12km, mb4.3/11, Error ellipse: s-maj=26.0km s-min=16.4km az=87.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Pines Island, Mont Dzumac, Urewhera, Quartz Range, Tophouse, Eidsvold, Pines Island, Mont Dzumac, Urewhera, Quartz Range, Tophouse, Eidsvold, Stephens Creek, Stephens Creek, BUCKLEBOO.

IDC 15:17:36.42.7,0.8,23.8S,0.1x180.0W,0.1,h518km,n28, c1939/30,mb4.1/12,South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Pines Island, Mont Dzumac, Urewhera, Quartz Range, Tophouse, Eidsvold, Stephens Creek, Stephens Creek, BUCKLEBOO.

Table with columns for station codes (SEY, YSS, etc.), frequencies, and signal quality metrics (Pn, P, S, etc.).

Table with columns for station codes (GTA, BILL, etc.), frequencies, and signal quality metrics (LR, P, etc.).

Table with columns for station codes (AAK, GYA, etc.), frequencies, and signal quality metrics (P, Pmax, etc.).

15d 19h

Table with columns for station ID, name, elevation, distance, direction, and other metrics. Includes stations like B21K Ikipuk River, E19K Redstone River, AKTO Aktyubinsk, etc.

2019 MAY

Table with columns for station ID, name, elevation, distance, direction, and other metrics. Includes stations like COLD Coldfoot, TTA Talatina, E24K Your Creek, etc.

848

Table with columns for station ID, name, elevation, distance, direction, and other metrics. Includes stations like P18K Big Mountain, D28M Stokes Point, KBL Kabul, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes entries like SII Sitkinak Island, K27K Chicken, G30M Aoch Zraii Nji, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes entries like MNK comp=E,9.0nm,0.9s, MNK comp=N,9.0nm,0.9s, MNK comp=Z,14nm,0.9s, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes entries like BURAR Bucovina Array, KOLS Kolonic sedl, KOLS Koloze sedl, etc.

15d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RETA Reutte, SFTA Sankt Quirin, BFO Black Forest, etc.

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
VNA1 Neumayer-Stat 17.11 160 P Pn 19 54 20.2 -0.5
VNA3 Neumayer Olymp 17.34 162 P Pn 19 54 22.7 -0.9
VNA2 Neumayer-W 17.50 160 P Pn 19 54 24.8 -0.8

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SNAA Sanae, QSPA South Pole Qui, CPUP CPUP, etc.

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
RIZ Raoul Island 1.22 244 P Pn 20 10 38.6 +2.0
RIZ Raoul Island 1.22 244 P Pn 20 10 38.3 +6.4
GLKZ Green Lake 1.22 244 P Pn 20 10 38.4 +1.8

850

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CNGZ Carnagh Statio, CNGZ Te Karaka, MWZ Matawai, etc.

Code Station Name Az Az' Phase ID Op ISC Time Res h m s ISC
VNA1 Neumayer-Stat 17.11 160 P Pn 19 54 20.2 -0.5
VNA3 Neumayer Olymp 17.34 162 P Pn 19 54 22.7 -0.9
VNA2 Neumayer-W 17.50 160 P Pn 19 54 24.8 -0.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Erkin-Say, Karatay Array, KK31, etc.

Technical notes and coordinates: IDC 15 20:23:42.2, 1.6, 28.14N, 107.103, 60E, 0.08, h10km, 1km, mb4.9/30, Error ellipse: s-maj=123.6km...

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PanZhiHua, Chengdu, Kunming, etc.

Main table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like XAN, LZH, CNSH, WHN, GZH, etc.

Main table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like HHC, EVN, SSE, BJT, BJI, etc.

Table with columns for station call signs (e.g., PKPS, ZHN, ZHH, ZHS, etc.), frequencies, and other technical details.

Table with columns for station call signs (e.g., PALK, KBL, JSG, KLR, etc.), frequencies, and other technical details.

Table with columns for station call signs (e.g., TIXI, PETK, JAY, SEY, etc.), frequencies, and other technical details.

Table with columns: BR11, Keskin Array S, 57.91 301, P, P, 20 43 25.3 -0.2, etc. Includes entries like MORW Morawa, MORW Morawa, MMAI Mount Meron Ar, etc.

Table with columns: LOF, Lofoten, 64.34 335, eP, P, 20 44 08.4 -0.1, etc. Includes entries like MORH Moirana, VAGH Vaagaholmen, SUNK Surduc, etc.

Table with columns: BRG, comp=Z,3.1nm,0.8s, 68.66 23, P, Amp, 20 44 40.7, etc. Includes entries like E21K Kiliik River, M15K Kasigluk River, H19K Roundabout Mou, etc.

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like Jago River, Bonanza Creek, Sankt Quirin, etc.

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like Eagle Plains, Nabesna, Ogilvie Camp, etc.

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like Esanatoglia, Cessapalombo, Elicito, etc.

ROM 15 20:42:31.1±0.0, 43°166N±0.004, 13°034E±0.003, h11km, ML1.1/1.8, Error ellipse: s-maj=0.4km s-min=0.2km az=359.0, Central IAU

BER 15 20:59:42.4±2.8, 82°15N±5.40W, h10km, mb(Pn)3.5, Confirmed Earthquake

DNK 15 20:59:43.6±2.9, 82°19N±5.36W, h36km, 40km, ML1.8

ISC 15 20:59:36.2±1.0, 82°30N±0.08, 5°12W±0.05, h10km, n16, c#61/27, North of Svalbard

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like Nord, Kingsbay, Barentsburg, etc.

JMA 15 21:44:59.6±3.0, 44°N±2.14°E±1.1, h0km, MV4.1/28, SE OFF ETOROFU

SKHL 15 21:45:00.6±0.2, 44°40N±148°30E, h39km, 5km, mb4.4/3

ISC 15 21:44:56.5±3.0, 44°28N±0.08, 148°4E±0.2, h8km, 12km, n17, c#162/31, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Distance, Magnitude, Phase ID, Time, Residual. Includes stations like Kuril'sk, Nemuro, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like OBKA Obir, KBA Koelnbreinsper, ABTA Abfattersbach, etc.

NEIC 15 22:40:53.0.0.7, 19.16N.0.04:155.49W.0.03, h50km, 4km, Error ellipse: s-maj=6.4km s-min=3.5km az=161.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HVC Hot Caves, HLP Hilina Pali, KHU Kahuku, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JOKA Jonika Flow, POHA Pohakuloa, HUH Hualalai, etc.

NEIC 15 22:44:29.8.0.8, 19.14N.0.04:155.45W.0.03, h48km, 1km, Error ellipse: s-maj=5.6km s-min=3.2km az=150.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HVC Hot Caves, HLP Hilina Pali, KHU Kahuku, etc.

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

NEIC 15 22:44:53.6.0.5, 19.12N.0.05:155.44W.0.04, h42km, 2km, Error ellipse: s-maj=8.3km s-min=3.2km az=145.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HVC Hot Caves, HLP Hilina Pali, KHU Kahuku, etc.

NEIC 15 22:48:06.7.0.5, 19.19N.0.03:155.46W.0.03, h57km, 5km, Error ellipse: s-maj=4.6km s-min=3.4km az=59.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HVC Hot Caves, HLP Hilina Pali, KHU Kahuku, etc.

IDC 15 23:08:02.3.1.4, 5.28S:142.38E, h0km, mb3.7/4, mbtmp3.7/6, ML3.4/2, Error ellipse: s-maj=45.3km

ISC 15 23:08:07.4.1.2, 5.3S.0.1:142.5E.0.2, h35km, n6, e130/7, mb3.8/3, New Guinea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura, WRA Warrungarra Arr, ASAR Alice Springs, etc.

s-min=28.7km az=69.0,North of Halmahera

Code	Station Name	Δ° AZ'	Phase ID	Op	ISC	Time	Res
						h m s	ISC
WRA	Warramunga Arr	23.44 168	P	P		23 29 10.5	-0.5
0.3nm,0.3s,baz=344,slow=4.5,SNR=3.3							
ASAR	Alice Springs	26.98 170	P	P		23 29 43.0	-0.5
0.3nm,0.5s,baz=357,slow=7.6,SNR=7.4							
MKAR	Makanchi Array	59.48 324	P	P		23 34 05.6	+0.8
0.2nm,0.4s,baz=106,slow=7.3,SNR=1.9							
0.2nm,0.4s							

HEL 15 23:39:23.8:0.2,67.83N:20.17E,h0km,ML1.7,Suspected explosion
 IDC 15 23:39:24.8:0.9,67.79N:20.52E,h0km,mbtmp2.7/4,ML1.9/4,Error ellipse: s-maj=15.2km s-min=7.2km az=115.0

ISC 15 23:39:23.2:0.8,67.81N:0.03:20.22E:0.04,h0km,n25,0146/44,Sweden

Code	Station Name	Δ° AZ'	Phase ID	Op	ISC	Time	Res
						h m s	ISC
SALU	Saltoluokta	0.79 237	Op	Pg		23 39 38.4	+0.2
KIP	Klipisjärvi	1.22 10	PG	Pg		23 39 46.0	-0.5
KIF comp=Z,8.6nm,0.2s							
PAJU	Pajala	1.37 124	PG	Sg		23 40 02.1	-0.1
PAJU comp=Z,8.6nm,0.2s							
HEF	Hetta	1.42 63	eP	Pn		23 39 49.2	-1.0
HEF	Hetta	1.42 63	PG	Pn		23 39 49.5	-0.7
HEF comp=Z,7.8nm,0.2s							
ERTU	Ertisjaerv	1.48 148	SB	Sg		23 40 07.7	-1.0
KLF	Kolari	1.55 110	PG	Pn		23 39 52.2	+0.2
KLF comp=Z,4.5nm,0.2s							
KTK1	Kautokeino	1.64 41	PG	Pn		23 39 53.8	+0.5
KTK1	Kautokeino	1.64 41	SN	Sb		23 40 16.3	+0.8
KALU	Kalix	2.32 146	Pn	Pn		23 40 04.4	+1.9
KALU	Kalix	2.32 146	PG	Sb		23 40 35.5	+0.6
TOF	Tornio	2.37 135	SG	Pb		23 40 05.6	-1.1
TOF comp=Z,3.4nm,0.2s							
RNF	Rovaniemi	2.56 115	PG	Sb		23 40 38.2	+1.7
RNF	Rovaniemi	2.56 115	PB	Pb		23 40 08.4	-1.4
ARA0	ARCESS Array S	2.59 46	PB	Sb		23 40 42.9	+1.1
ARA0	ARCESS Array S	2.59 46	PB	Pn		23 40 07.8	+1.5
ARA0	ARCESS Array S	2.59 46	SB	Sb		23 40 41.1	+2.6
ARCS	ARCESS Array B	2.59 46	Pn	Pn		23 40 07.2	+0.8
ARCS	ARCESS Array B	2.59 46	Sn	Sn		23 40 40.1	+1.6
comp=Z,1.8nm,0.3s,baz=228,slow=24,SNR=18							
RAJF	Raja-Joeseppi	3.10 74	PN	Pn		23 40 13.9	+0.7
RAJF	Raja-Joeseppi	3.10 74	SB	Sb		23 40 56.9	-0.4
KEV	Kevo	3.15 49	PB	Pn		23 40 15.2	+1.3
KEV	Kevo	3.15 49	SN	Sb		23 40 53.2	+1.2
RANu	Ranua	3.15 122	Pn	Pn		23 40 16.1	+2.1
RANu	Ranua	3.15 122	PG	Sb		23 41 02.9	-1.5
BURU	Burvik	3.28 171	PN	Pn		23 40 18.1	+2.4
BURU	Burvik	3.28 171	SB	Sb		23 41 01.2	-1.2
OUL	Oulu	3.56 138	SG	Sb		23 41 13.6	+3.0
KU2	Taivalkoski	3.81 120	PN	Pn		23 40 25.1	+2.1
OLKF	Oulanka, Finla	3.89 108	PN	Pn		23 40 26.1	+1.9
OLKF	Oulanka, Finla	3.89 108	SG	Sg		23 41 25.4	-2.6
KU6	Rieki	4.21 111	PN	Pn		23 40 29.9	+1.5
FINES	FINES Array B	6.87 156	Pn	Pn		23 41 06.5	+1.5
comp=Z,0.2nm,0.3s,baz=941,slow=11,SNR=1.9							
FINES	FINES	6.87 156	Sn	Sn		23 42 23.7	0.0
comp=Z,0.2nm,0.3s,baz=346,slow=22,SNR=6.2							
FINES	FINES	6.87 156	Lg	Lg		23 42 56.0	
comp=Z,0.4nm,0.3s,baz=346,slow=26,SNR=6.6							
NOA	NORSAR Array B	7.83 214	Pn	Pn		23 41 19.0	+0.9
NOA	NORSAR Array B	7.83 214	Sn	Sn		23 43 45.2	-2.1
NOA	NORSAR Array B	7.83 214	Lg	Lg		23 43 29.5	-2.1
comp=Z,1.1nm,0.3s,baz=14,slow=30,SNR=1.3							
HFS	Hagfors	8.22 203	Pn	Pn		23 41 24.2	+0.7
HFS	Hagfors	8.22 203	Sn	Sn		23 42 54.7	-2.2
HFS	Hagfors	8.22 203	Lg	Lg		23 43 41.7	
comp=Z,0.1nm,0.3s,baz=24,slow=28,SNR=2.3							
SPITS	Spitsbergen Ar	10.48 356	Pn	Pn		23 41 53.9	-0.5
comp=Z,1.67,slow=19							

IDC 15 23:41:12.7:1.2,37.79N:20.67E,h0km,mb3.4/7,mbtmp3.3/13,ML3.0/4,MS2.8/3,Error ellipse: s-maj=21.0km s-min=18.1km az=175.0

THE 15 23:41:12.6:38'N:2'21'E,1.5h5km,3km,M3.4/31,MLH3.4/31

ATH 15 23:41:14.0,37.69N:20.58E,h10km,2km,ML3.6/19,Manual Solution by A.Papageorgiou First location: 2019/05/15 23:42:07, This location: 2019/05/15 23:52:59

ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 2 km, Longitude uncertainty: 2 km

ISC 15 23:41:13.8:1.0,37.69N:0.03:20.59E:0.03,h11km,6km,n107,01933/151,mb3.57,lonian Sea

Code	Station Name	Δ° AZ'	Phase ID	Op	ISC	Time	Res
						h m s	ISC
ORTH	Orthones,Zaky	0.18 27	P	Pb		23 41 18.6	-0.6
ORTH	Orthones,Zaky	0.18 27	SG	Sg		23 41 21.2	+0.7
LTHK	Lithakia	0.19 84	P	Pb		23 41 18.1	+1.3
LTHK	Lithakia	0.19 84	S	Sg		23 41 21.2	+0.5
LTHK	Lithakia	0.19 84	P	Pb		23 41 17.9	0.0
LTHK	Lithakia	0.19 84	S	Sg		23 41 20.8	+0.1
KYPS	Kipseli, Zakin	0.22 55	P	Pb		23 41 18.9	-1.0
KYPS	Kipseli, Zakin	0.22 55	S	Sg		23 41 21.6	0.0
RTZL	Ratzakli, Kefa	0.41 20	P	Pb		23 41 22.7	-0.4
RTZL	Ratzakli, Kefa	0.41 20	S	Sg		23 41 29.9	+0.5
PSDA	Pessada-Kefalo	0.42 359	P	Pb		23 41 22.9	-0.4
PSDA	Pessada-Kefalo	0.42 359	S	Sg		23 41 30.1	+0.4
PSDA	Pessada-Kefalo	0.42 359	P	Pb		23 41 22.6	-0.7
PSDA	Pessada-Kefalo	0.42 359	S	Sg		23 41 27.7	0.0
CLEM	Kyllini,Ilia,G	0.47 65	P	Pb		23 41 23.3	-0.8
CLEM	Kyllini,Ilia,G	0.47 65	S	Sg		23 41 29.8	-1.3
VLS	Valsamata	0.49 360	P	Pb		23 41 23.9	-0.5
VLS	Valsamata	0.49 360	S	Sg		23 41 32.0	+0.5
VLS	Valsamata	0.49 360	P	Pb		23 41 32.7	-0.7
VLS	Valsamata	0.49 360	S	Sg		23 41 31.1	-0.4
SMHA	Samh	0.56 4	P	Pb		23 41 24.2	-0.5
SMHA	Samh	0.56 4	S	Sg		23 41 31.7	-0.4
DMLN	Damoulianiata-K	0.57 342	P	Pb		23 41 25.5	-0.4
DMLN	Damoulianiata-K	0.57 342	P	Pb		23 41 25.5	-0.4
DMLN	Damoulianiata-K	0.57 342	P	Pb		23 41 33.4	-0.7
DMLN	Damoulianiata-K	0.57 342	P	Pb		23 41 25.5	-0.6
LCHA	Lechaina	0.58 65	P	Pb		23 41 34.4	+0.1
LCHA	Lechaina	0.58 65	S	Sg		23 41 27.5	-1.0
YRMI	Loutra Irmisni	0.73 55	P	Pb		23 41 37.9	-0.5
YRMI	Loutra Irmisni	0.73 55	S	Sg		23 41 28.5	-0.7
FSK	Fiskardo	0.77 358	P	Pb		23 41 40.1	-1.4
FSK	Fiskardo	0.77 358	S	Sg		23 41 28.8	-0.3
FSK	Fiskardo	0.77 358	P	Pb		23 41 39.6	0.0
RLS	Riolos of Patr	0.78 62	P	Pb		23 41 28.9	-0.6
RLS	Riolos of Patr	0.78 62	S	Sg		23 41 40.1	-1.5
RLS	Riolos of Patr	0.78 62	P	Pb		23 41 28.8	-0.6
RLS	Riolos of Patr	0.78 62	S	Sg		23 41 38.9	-1.2
ARAX	Araxos	0.80 51	P	Pb		23 41 29.0	-0.7
ARAX	Araxos	0.80 51	P	Pb		23 41 28.9	-0.8
ZARO	Zacharo	0.86 103	P	Pb		23 41 40.4	-0.1
ZARO	Zacharo	0.86 103	S	Sg		23 41 30.6	-0.2
ZARO	Zacharo	0.86 103	P	Pb		23 41 43.1	-1.3

Code	Station Name	Δ° AZ'	Phase ID	Op	ISC	Time	Res
						h m s	ISC
AMT	Artemida-Makis	0.90 100	P	Pb		23 41 30.8	-0.6
AMT	Artemida-Makis	0.90 100	P	Pb		23 41 44.2	-1.3
DRO	Drossia	0.92 73	P	Pb		23 41 30.9	-0.6
DRO	Drossia	0.92 73	P	Pb		23 41 31.2	-0.6
DRO	Drossia	0.92 73	P	Pb		23 41 45.4	-0.6
EVGI	Lefkada island	0.93 3	P	Sb		23 41 31.0	-0.6
EVGI	Lefkada island	0.93 3	P	Sb		23 41 46.7	+0.5
EVGI	Lefkada island	0.93 3	P	Sb		23 41 31.5	-0.4
EVGI	Lefkada island	0.93 3	P	Sb		23 41 43.8	-0.5
DRAG	Dragano-Lefkad	0.99 359	P	Pb		23 41 32.5	-0.4
DRAG	Dragano-Lefkad	0.99 359	P	Pb		23 41 32.6	-0.4
DRAG	Dragano-Lefkad	0.99 359	P	Pb		23 41 31.9	-0.8
PDO	Prodromos	1.02 27	P	Pb		23 41 32.9	-0.6
NYDR	Nydri-Lefkada	1.02 5	P	Pb		23 41 32.8	-0.8
NYDR	Nydri-Lefkada	1.02 5	P	Pb		23 41 33.0	-0.5
NYDR	Nydri-Lefkada	1.02 5	P	Pb		23 41 47.9	-0.6
NYDR	Nydri-Lefkada	1.02 5	P	Pb		23 41 31.9	-0.6
PATG	Patra B	1.05 58	S	Pn		23 41 39.1	+0.1
PATC	Patra C	1.09 58	P	Pn		23 41 34.9	-0.1
PATC	Patra C	1.09 58	P	Pn		23 41 50.0	0.0
LKD2	Lefkada island	1.10 3	P	Pg		23 41 34.2	-0.6
LKD2	Lefkada island	1.10 3	P	Pg		23 41 34.3	-0.6
LKD2	Lefkada island	1.10 3	P	Pg		23 41 49.6	-0.8
UPR	University Cam	1.11 57	S	Pn		23 41 53.3	+2.7
UPR	University Cam	1.11 57	P	Pn		23 41 35.2	-0.1
UPR	University Cam	1.11 57	P	Pn		23 41 35.2	-0.4
UPR	University Cam	1.11 57	P	Pn		23 41 51.1	-0.1
UPR	University Cam	1.11 57	P	Pn		23 41 50.0	0.0
UPR	University Cam	1.11 57	P	Pn		23 41 34.2	-0.6
UPR	University Cam	1.11 57	P	Pn		23 41 34.3	-0.6
UPR	University Cam	1.11 57	P	Pn		23 41 49.6	-0.8
UPR	University Cam	1.11 57	P	Pn		23 41 53.3	+2.7
UPR	University Cam	1.11 57	P	Pn		23 41 35.2	-0.1
UPR	University Cam	1.11 57	P	Pn		23 41 35.2	-0.4
UPR	University Cam	1.11 57	P	Pn		23 41 51.1	-0.1
UPR	University Cam	1.11 57	P	Pn		23 41 50.0	0.0
UPR	University Cam	1.11 57	P	Pn		23 41 34.2	-0.6
UPR	University Cam	1.11 57	P	Pn		23 41 34.3	-0.6
UPR	University Cam	1.11 57	P	Pn		23 41 49.6	

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SOEI Soe, BATT Baumata, EDFI Ende, Flores, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CUT Chulitna, D28M Stokes Point, PRP Porcupine Dome, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, and other parameters. Includes stations like GCSA Galena City Sc, M14K Bethel, C23K Ikkilik River, etc.

VAO 1600:32:07.1.1, 31:56S; 69:37W, h60km, 7km, mb5.3
MOS 1600:32:12.0.0.9, 31:41S; 69:27W, h108km, mb5.4/40
Error ellipse: s-maj=11.2km s-min=5.9km az=100.4
SJA 1600:32:12.0.0.6, 31:47S; 69:36W, h141km, 3km, MLL5.3, MW5.3
GUC 1600:32:13.5.0.7, 31:50S; 69:70W, h139km, 7km, MLL5.0
NEIC 1600:32:13.7.31, 48S; 69:25W, h100km, Moment Tensor Solution...

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like RTLS Leoncito, ZON Zonda, DOCA Reserva Natura, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, and other parameters. Includes stations like TRCB Terra Rica, TRCB Terra Rica, TER01 Terrero Rio, etc.

16d Oh

2019 MAY

Table of astronomical data for 16d Oh, including columns for object name, magnitude, date, and other parameters.

Table of astronomical data for 2019 MAY, including columns for object name, magnitude, date, and other parameters.

Table of astronomical data for 860, including columns for object name, magnitude, date, and other parameters.

Main table containing station call signs, frequencies, and coordinates. Includes columns for call sign, frequency, and various status indicators.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like NLAI Namlea, SANI Sanana, AAI Ambon, etc.

IDC 16:01:07:15.0:1.0, 4.92N:125.30E:0.10, h177km, 8km, mb4.3/31, Error ellipse: s-maj=14.0km s-min=10.5km az=77.0

NEIC 16:01:07:18.6:0.5, 5.1N:4.1E, h158km, 7km, M4.3/15, mb4.8/7, mb4.4/10, MLV4.4/15, Mw(MB)4.1/7

ISC 16:01:07:16.2:0.5, 4.79N:0.05E:125.40E:0.08, h200km, n79, o189/81, mb4.3/27, Talaud Islands

Main table of seismic events with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SGSI Sangihe, SNTI Ternate, KMSI Cibinong, etc.

IDC 16:01:07:15.0:1.0, 4.92N:125.30E:0.10, h177km, 8km, mb4.3/31, Error ellipse: s-maj=14.0km s-min=10.5km az=77.0

IDC 16:01:07:15.8:0.9, 4.92N:125.34E, h194km, 9km, mb3.6/9, mb1.0/4.3/12, Error ellipse: s-maj=26.2km s-min=10.5km az=77.0

DJA 16:01:07:18.6:0.5, 5.1N:4.1E, h158km, 7km, M4.3/15, mb4.8/7, mb4.4/10, MLV4.4/15, Mw(MB)4.1/7

ISC 16:01:07:16.2:0.5, 4.79N:0.05E:125.40E:0.08, h200km, n79, o189/81, mb4.3/27, Talaud Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SGSI Sangihe, DAV Davao City, KMSI Cibinong, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SBUU Sibutu, SBUU Sibutu, KSM Kuching, etc.

IDC 16:01:05:28.1:2.2, 13.49N:88.97W, h96km, 22km, mb3.6/13, mb1.0/4.1/3km az=46.0, Error ellipse: s-maj=3.2km s-min=1.4km

UCR 16:01:14:05.8:1.2, 12.87N:89.31W, h50km, MB4.3(NEIC)

ISC 16:01:14:00.0:0.7, 13.15N:0.04E:89.53W:0.04, h57km, 5km, n286, o1861/290, mb4.2/33, C-29D, El Salvador

Main table of seismic events with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KDU Kakadu, KNRA Kunurra, FITZ Fitzroy Crossi, etc.

CATAC 16:01:13:59.7:0.3, 13.2N:9.0W, h28km, 2km, M4.8/55, mb4.8/1, MLV4.9/55, Error ellipse: s-maj=4.0km s-min=2.1km az=29.4, confirmed

GCG 16:01:13:59.1:2.2, 13.07N:89.69W, h26km, 10km, MD4.7

SNET 16:01:13:59.0:1.8, 13.05N:89.60W, h26km, 60km, ML4.9

NEIC 16:01:14:00.1:1.5, 13.05N:0.07E:89.52W:0.07, h49km, 12km, mb4.3/54, Error ellipse: s-maj=11.8km s-min=8.4km az=47.0

IDC 16:01:05:28.1:2.2, 13.49N:88.97W, h96km, 22km, mb3.6/13, mb1.0/4.1/3km az=46.0, Error ellipse: s-maj=3.2km s-min=1.4km

UCR 16:01:14:05.8:1.2, 12.87N:89.31W, h50km, MB4.3(NEIC)

ISC 16:01:14:00.0:0.7, 13.15N:0.04E:89.53W:0.04, h57km, 5km, n286, o1861/290, mb4.2/33, C-29D, El Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like LALI Alcaldia de L, LALI Alcaldia de L, LALI Alcaldia de L, etc.

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

IDC 16:01:05:28.1:2.2, 13.49N:88.97W, h96km, 22km, mb3.6/13, mb1.0/4.1/3km az=46.0, Error ellipse: s-maj=3.2km s-min=1.4km

UCR 16:01:14:05.8:1.2, 12.87N:89.31W, h50km, MB4.3(NEIC)

ISC 16:01:14:00.0:0.7, 13.15N:0.04E:89.53W:0.04, h57km, 5km, n286, o1861/290, mb4.2/33, C-29D, El Salvador

Main table of seismic events with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like CAN CAN, TOO Toolangi, WMO WMO, etc.

CATAC 16:01:13:59.7:0.3, 13.2N:9.0W, h28km, 2km, M4.8/55, mb4.8/1, MLV4.9/55, Error ellipse: s-maj=4.0km s-min=2.1km az=29.4, confirmed

GCG 16:01:13:59.1:2.2, 13.07N:89.69W, h26km, 10km, MD4.7

SNET 16:01:13:59.0:1.8, 13.05N:89.60W, h26km, 60km, ML4.9

NEIC 16:01:14:00.1:1.5, 13.05N:0.07E:89.52W:0.07, h49km, 12km, mb4.3/54, Error ellipse: s-maj=11.8km s-min=8.4km az=47.0

IDC 16:01:05:28.1:2.2, 13.49N:88.97W, h96km, 22km, mb3.6/13, mb1.0/4.1/3km az=46.0, Error ellipse: s-maj=3.2km s-min=1.4km

UCR 16:01:14:05.8:1.2, 12.87N:89.31W, h50km, MB4.3(NEIC)

ISC 16:01:14:00.0:0.7, 13.15N:0.04E:89.53W:0.04, h57km, 5km, n286, o1861/290, mb4.2/33, C-29D, El Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like LALI Alcaldia de L, LALI Alcaldia de L, LALI Alcaldia de L, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like COLC Colonia, YMAR Armenia, CUI Cuipilapa, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like LPAZ La Paz, EPLD Experimental L, FCC Fort Churchill, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like FINES FINESS Array B, MOS 16:01:23:55.5, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ONTNC, YATNC, SWI, etc.

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

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MAJO, CMJI, KNMI, etc.

16d 1h

2019 MAY

Table with columns: VLA, Vladivostok, 51.67 341, i P, P, 01 33 02.9 -0.4, BNX, comp=Z,210nm,4.6s, pmax, pmax, BNX, comp=Z,850nm,17.3s, LR, LR, PZH, comp=Z,5,um,27.5s, PanZhiHua, 58.51 305, P, P, 01 33 53.8 +0.6

Table with columns: BNX, comp=Z,210nm,4.6s, pmax, pmax, BNX, comp=Z,850nm,17.3s, LR, LR, BNX, comp=Z,600nm,23.9s, LR, LR, SKR, comp=Z,1,um,17.3s, Severo-Kuil's, 55.76 3, eP, P, 01 33 19.3 -1.4

Table with columns: PZH, comp=Z,5,um,27.5s, PanZhiHua, 58.51 305, P, P, 01 33 53.8 +0.6, PZH, comp=Z,20nm,0.8s, P, P, 01 41 52.9 -0.8, PZH, comp=Z,440nm,10.0s, LR, LR, PZH, comp=Z,2,um,21.6s, LR, LR, PZH, comp=Z,2,um,23.5s, LR, LR, PZH, comp=Z,3,um,22.1s, CD2, CD2, 58.91 311, P, P, 01 33 56.3 +0.5

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SHL Shillong, AGT Agartala, NIKH Nikolski High, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like M13K Dall Lake, VAR Varanasi, BLSP Bilaspur, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Q19K Cape Douglas, J16K Anvik River, L17K Donlin, etc.

16d 1h

2019 MAY

Table with columns: Station Name, Elevation, Date, Time, Status, and other metrics. Includes stations like Mangalore, Susitna One, Fire Island, Dehra Dun, Purkeypile, Rabbit Creek A, etc.

Table with columns: Station Name, Elevation, Date, Time, Status, and other metrics. Includes stations like Melozitna Rive, Tanana, Sheep Creek Mo, Sheep Creek Mo, Lookout Ridge, Kuna River, etc.

Table with columns: Station Name, Elevation, Date, Time, Status, and other metrics. Includes stations like Meade River, Cola College, Cola College, Paxon, Waxed Ridge, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like SCRK Sand Creek, CHKK Chushkaly, and many others.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like G26K Porcupine River, CHMS Church, UCH Uchtor, and many others.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like DRK Karamyk, P32M Atlin, NRRIK Nori'sk, and many others.

16d 1h

2019 MAY

Table with columns: Station, Location, Frequency, Class, Mode, Power, Time, and other parameters. Includes stations like TGTN Hyland Airport, CLRS Cowichan Lake, YBH Yreka Blue Hor, etc.

Table with columns: Station, Location, Frequency, Class, Mode, Power, Time, and other parameters. Includes stations like SVE eS, SVE eSS, SVE eSSS, etc.

Table with columns: Station, Location, Frequency, Class, Mode, Power, Time, and other parameters. Includes stations like KLMR ePPP, KLMR PPP, KLMR PS, etc.

AKASG	comp=Z,3.0nm,0.6s			pmax	pmax				
AKBB	Malin Array Si	114.76 324 <i>i</i>	PKPKP	PKPdf	PKPdf	01	42	37.2	+0.7
KIEV	Kiev	114.77 324	iP	PKPdf	PKPdf	01	42	36.6	+0.1
CGMS	Cape Girardeau	115.05 51	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	31	14.0	
GNAR	Gosnell	115.06 53	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	26	22.4	
ILGA	ilgaz	115.07 313	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	35	15.9	
144A	Lake County Fo	115.09 46	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	41.5	
PEBM	Pemisicott Bayo	115.15 53	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	26	12.8	
444A	Midewin, Midew	115.22 47	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	27	41.0	
HQIL	Hanson Quarry C	115.24 46	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	19.5	
MEIT	Memphis-Engin	115.31 54	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	27	31.0	
PABE	Paberze	115.38 331		PKPdf	PKPdf	01	42	38.2	+0.7
PABE			IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	23.5	
VBMS	Vicksburg	115.39 57	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	14.5	
KIRS	Kirsehir-Merke	115.43 311	iP	PKPKP	PKPdf	01	42	39.0	+0.7
BRTR	Keskin Array B	115.49 312	PKPKP	PKPdf	PKPdf	01	42	38.8	+0.3
BRTL	comp=Z,1.5nm,0.9s,baz=19,slow=7.5,SNR=8.9		PKPKP	PKPKP	PKPKP	01	53	11.4	-1.7
HALL	Halls	115.51 55	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	26	38.0	
CCIG	Comitan	115.62 75	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	21	23.1	
OXF	Oxford	115.66 54	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	30	26.7	
Y45A	Yeager Farm, C	115.88 55	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	27	01.3	
T45A	Paducah	115.90 51	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	24	25.5	
ANTO	Ankara	116.08 312		PKPdf	PKPdf	01	42	39.6	+0.1
ANTO	Ankara	116.08 312	PKPKP	PKPdf	PKPdf	01	42	39.6	+0.1
E46A	Sault Ste Mari	116.17 40	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	33.5	
HUEH	Huehuetenango	116.26 76	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	21	29.0	
L46A	Cue Citate	116.29 45	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	43.2	
SORM	Soroca	116.31 322	iP	PKIKP	PKIKP	01	42	40.0	+0.5
346A	Green Creek Wild	116.42 58	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	32	34.9	
146A	Union	116.52 56	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	52.5	
SUW	Suwalki	116.54 329	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	36	00.1	
PLAL	Pickwick Lake	116.62 53	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	30	35.2	
HFS	Hagfors	117.02 338	PKP	PKPdf	PKPdf	01	42	40.1	-0.5
Z47A	Carrollton	117.22 55	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	28	55.9	
S0E	Somersset East	117.25 229	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	44	22.4	
NB2	NORSAR Subarrat	117.27 340	PKPKP	PKIKP	PKIKP	01	42	41.3	+0.2
NOA	NORSAR Array B	117.27 340	PKP	PKIKP	PKIKP	01	42	41.5	+0.4
VARL	Varzei	117.51 320	iP	PKIKP	PKIKP	01	42	43.9	+1.9
O48B	Farmland	117.65 47	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	30	30.3	
X48A	Hartselle	117.77 54	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	02.3	
CLTN	Cedars of Leba	117.94 52	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	30	12.4	
H9A	Point Hope	118.04 42	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	36	53.1	
LRAL	Lakeview Retre	118.14 55	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	30	11.1	
N49A	Columbus Grove	118.14 46	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	30	57.2	
R49A	Shelbyville	118.22 49	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	31	27.8	
O49A	Covington	118.27 47	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	30	57.7	
MT03	Montecristo	118.36 77	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	30	45.7	
Y49A	Blount Mountai	118.42 54	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	33	39.6	
BURAR	Bucovina Array	118.45 322		PKIKP	PKIKP	01	42	44.8	+0.9
BURAR	Bucovina Array	118.45 322	iP	PKIKP	PKIKP	01	42	46.0	+2.1
KONO	Kongsberg	118.83 340	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	35	38.1	
KONO	Kongsberg	118.83 340 <i>i</i>	PKPKP	PKIKP	PKIKP	01	42	46.0	+1.9
R50A	Paris	118.86 49	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	03.6	
MLR	Muntele Rosu	118.89 320		PKPdf	PKPdf	01	42	44.7	-0.1
MLR	Muntele Rosu	118.89 320	iP	PKPKP	PKPdf	01	42	44.9	+0.1
MLR	Muntele Rosu	118.89 320	PKPKP	PKIKP	PKIKP	01	42	47.7	-0.1
FPAL	Fort Payne	118.90 53	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	31	01.1	
250A	Grady	118.97 56	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	30	47.3	
ACSO	Alum Creek Sta	119.23 46	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	31	20.2	
P51A	Williamsport	119.42 47	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	50.3	
KOLS	Kolonice sedl	119.58 325	ePKPKP	PKIKP	PKIKP	01	42	47.1	+1.1
KOLS	Kolonice sedl	119.58 325	ePKPKP	PKIKP	PKIKP	01	42	47.1	+1.1
S51A	Beattyville	119.61 49	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	32	20.4	
VLD0	Val d'Or	119.67 36		PKPdf	PKPdf	01	42	45.9	-0.1
VLD0			IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	31	43.9	
451A	Vernon	119.70 58	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	51.9	
ARR	Arges	119.78 320	iP	PKIKP	PKIKP	01	42	48.1	+1.5
P52A	Corning	120.05 47	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	30	37.0	
152A	Waverly Hill	120.09 55	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	31	47.7	
052A	Adamsville	120.10 46	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	32	05.6	
MARR	Marisel-Ciuj	120.15 322	iP	PKIKP	PKIKP	01	42	47.6	+0.4
352A	Blakely	120.20 57	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	31	33.0	
Y52A	Lilburn	120.31 54	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	31	25.6	
DRGH	Teguigalpa,Un	120.34 322	iP	PKIKP	PKIKP	01	42	48.0	+0.4
TGUH		120.39 77	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	25	45.6	
NIE	Niedzica	120.45 326	ePKPKP	PKIKP	PKIKP	01	42	48.2	+0.5
P53A	Whipple	120.64 47	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	32	24.4	
V53A	Saluda	120.80 51	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	28	04.2	
HERN	Volcan Telica	120.87 78	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	23	38.3	
BG3	Lake Jocassee	120.90 52	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	31	08.0	
553A	Crawfordville	120.90 58	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	31	38.7	
RGN	Ruger	120.91 334	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	37	11.5	
GOGA	Godfrey	120.91 54	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	35.5	
GZR	Gura Zlata	120.95 321	iP	PKPKP	PKPKP	01	42	48.6	-0.1
LANS	Liptovska Anna	121.06 326	ePKPKP	PKIKP	PKIKP	01	42	50.4	+1.5
LANS	Liptovska Anna	121.06 326	ePKPKP	PKIKP	PKIKP	01	42	50.3	+1.4
SURR	Surdac	121.19 322	iP	PKIKP	PKIKP	01	42	49.5	+0.3
DELO	Deloro Mine	121.22 40	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	36	55.2	
SIRR	Sira	121.23 322	iP	PKIKP	PKIKP	01	42	50.2	+0.9
TIFON	Tifton	121.32 56	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	51.4	
LSZ	Lusaka	121.36 249	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	36	30.6	
OKC	Ostrava-Krasne	121.40 327	AMS	AMS	AMS	02	35	30.0	
HERR	Herculane	121.41 321	iP	PKIKP	PKIKP	01	42	50.2	+0.5
154A	Montrose	121.42 55	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	57.0	

PSZ	Piszkesteto	121.46 325	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	39	02.5	
PSZ	Piszkesteto	121.46 325	iP	PKIKP	PKIKP	01	42	50.7	+0.9
STEB	Steborice	121.55 328	ePKPKP	PKIKP	PKIKP	01	42	50.5	+0.7
BZS	Buzias	121.57 322	iP	PKPKP	PKPKP	01	42	50.4	+0.4
YHNS	Yhynne	121.76 326	ePKPKP	PKIKP	PKIKP	01	42	50.3	0.0
YHNS	Yhynne	121.76 326	ePKPKP	PKIKP	PKIKP	01	42	50.3	0.0
MORC	Moravsky Berou	121.76 327	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	35	48.4	
MORC	Moravsky Berou	121.76 327	ePKPKP	PKIKP	PKIKP	01	42	50.7	+0.4
MORC	Moravsky Berou	121.76 327	iP	PKIKP	PKIKP	01	42	51.9	+1.6
KSP	Ksiaz	121.80 329	ePKPKP	PKIKP	PKIKP	01	42	50.7	+0.5
MMNV	Ml. Morris Dam	121.81 42	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	29	21.0	
PECO	Prince Edward	121.89 40	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	30	30.8	
MDVR	Moldavia	121.90 321	iP	PKIKP	PKIKP	01	42	51.3	+0.7
KRLC	Kralupy	122.00 328	ePKPKP	PKIKP	PKIKP	01	42	51.4	+0.7
KRLC	Kralupy	122.00 328	eSP	AMS	AMS	02	37	13.0	+1.0
KRLC	Kralupy	122.00 328	ePKIKP	PKIKP	PKIKP	01	42	51.4	+0.7
KRLC	Kralupy	122.00 328	eSP	AMS	AMS	01	54	13.8	+1.0
KRLC	Kralupy	122.00 328	ePKPKP	PKIKP	PKIKP	01	42	51.4	+0.7
BOAB	BOAC0 BROADBAND	122.01 79	IAMS ₂₀	IAMS ₂₀	IAMS ₂₀	02	23	34.7	
OSTC	Ostas	122.01 329	ePKPKP	PKIKP	PKIKP	01	42	51.5	+0.8
OSTC</									

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Gavieira, Arco, Sonseca Array, etc.

TRN 16:01:30:47.1, 12:61N-59:66W, h66km, MD3.9, South-west of Barbados, Windward Islands

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

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Tunca, Popeta, Sierra Bellavi, etc.

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

16d 4h

Table with columns for team name, score, and status. Includes teams like CACAO, AZU, GMAL, CAPC, BCIP, etc.

2019 MAY

Table with columns for team name, score, and status. Includes teams like TRQA, W50A, H50A, V53A, SWET, etc.

876

Table with columns for team name, score, and status. Includes teams like KAN08, KSU1, R32A, RTBA, ANMO, etc.

YKAW1	Yellowknife Wh	70.60 343	I	Amb	I	Amb	04 15 56.1
YKA	Yellowknife Ar	70.65 343	P	P	P	P	04 15 55.9 -0.3
YKA	Yellowknife Ar	70.65 343	P	P	P	P	04 16 28.8 -0.3
YKAW3	Yellowknife Wh	70.70 343	P	P	P	P	04 15 55.7 -0.8
SFJD	Kangerlussuaq	71.68 11	P	P	P	P	04 16 02.1 -0.1
TOAD	Toad River Com	71.88 336	P	P	P	P	04 16 03.8 +0.1
DBIC	Dimbokro	72.56 82	P	P	P	P	04 16 08.7 +0.1
DBIC	Dimbokro	72.56 82	P	P	P	P	04 16 09.0 +0.4
DBIC	Dimbokro	72.56 82	P	P	P	P	04 16 39.7 -1.9
DBIC	Dimbokro	72.56 82	P	P	P	P	04 16 08.9
V35K	Ketchikan	72.72 331	P	P	P	P	04 16 10.2 +1.6
T35M	Bob Quinn	72.96 333	P	P	P	P	04 16 11.9 +1.8
ISOG	Isortog, Green	73.11 16	P	P	P	P	04 16 09.9 -0.8
ISOG	Isortog, Green	73.11 16	P	P	P	P	04 16 11.3
ANGG	Ammassalik, Gr	73.52 16	P	P	P	P	04 16 12.8 -0.4
ANGG	Ammassalik, Gr	73.52 16	P	P	P	P	04 16 14.2
WRAK	Wrangeli Island	73.64 332	P	P	P	P	04 16 15.3 +1.2
DLBO	Dease Lake	73.66 334	P	P	P	P	04 16 15.5 +1.2
S34M	Telegraph Cree	73.88 333	P	P	P	P	04 16 16.6 +1.2
PFVI	Vila Bisbo	74.19 50	P	P	P	P	04 16 19.0 +1.3
PFVI	Vila Bisbo	74.19 50	P	P	P	P	04 16 19.1
MORF	Marmelete	74.36 50	P	P	P	P	04 16 19.1 +0.3
MORF	Marmelete	74.36 50	P	P	P	P	04 16 20.5
MORF	Marmelete	74.36 50	P	P	P	P	04 16 19.9 +1.1
MORF	Marmelete	74.36 50	P	P	P	P	04 16 21.0
MORF	Marmelete	74.36 50	P	P	P	P	04 16 19.1 +0.3
PTEO	Sao Teotonio	74.38 50	P	P	P	P	04 16 19.5 +0.7
PTEO	Sao Teotonio	74.38 50	P	P	P	P	04 16 21.2
R33M	Jennings River	74.60 335	P	P	P	P	04 16 21.2 +1.4
TGNT	Hyland Airport	74.71 337	P	P	P	P	04 16 21.8 +1.5
MESJ	Messejana	74.84 50	P	P	P	P	04 16 21.7 +0.2
MESJ	Messejana	74.84 50	P	P	P	P	04 16 23.2
MESJ	Messejana	74.84 50	P	P	P	P	04 16 19.3 -2.2
MESJ	Messejana	74.84 50	P	P	P	P	04 16 21.7 +0.2
PSBE	So Bento	74.86 48	P	P	P	P	04 16 22.1 +0.6
PSBE	So Bento	74.86 48	P	P	P	P	04 16 23.6
PBDV	Barranco-do-Ve	74.91 51	P	P	P	P	04 16 19.6 -2.3
PBDV	Barranco-do-Ve	74.91 51	P	P	P	P	04 16 24.0
PCVE	Castro Verde	74.92 50	P	P	P	P	04 16 22.1 +0.1
PCVE	Castro Verde	74.92 50	P	P	P	P	04 16 23.4
Q32M	Nakina River	74.93 334	I	Amb	I	Amb	04 16 24.4
Q32M	Nakina River	74.93 334	I	Amb	I	Amb	04 16 22.9 +1.1
PVAQ	Vaqueiros	75.11 50	P	P	P	P	04 16 23.5 +0.5
PVAQ	Vaqueiros	75.11 50	P	P	P	P	04 16 25.0
PBEJ	Beja	75.16 50	P	P	P	P	04 16 23.4 +0.1
PBEJ	Beja	75.16 50	P	P	P	P	04 16 25.6
PMTG	Montargil	75.16 49	P	P	P	P	04 16 23.3 0.0
PMTG	Montargil	75.16 49	P	P	P	P	04 16 24.5
EVO	Evora	75.18 49	P	P	P	P	04 16 23.5 +0.1
EVO	Evora	75.18 49	P	P	P	P	04 16 26.1
S32K	Killisnoo	75.22 332	P	P	P	P	04 16 24.1 +1.0
S32K	Killisnoo	75.22 332	P	P	P	P	04 16 24.6 +1.4
PCAS	Casmilo, Conde	75.22 48	P	P	P	P	04 16 23.6 0.0
PCAS	Casmilo, Conde	75.22 48	P	P	P	P	04 16 25.7
COI	Coimbra	75.33 47	P	P	P	P	04 16 24.5 +0.3
COI	Coimbra	75.33 47	P	P	P	P	04 16 25.5
SIT	Sitka	75.38 331	P	P	P	P	04 16 25.5 +1.4
PTO	Porto	75.45 47	P	P	P	P	04 16 24.2 -0.6
PTO	Porto	75.45 47	P	P	P	P	04 16 28.3
PESTR	Estremoz	75.58 49	P	P	P	P	04 16 25.5 -0.2
PESTR	Estremoz	75.58 49	P	P	P	P	04 16 27.8
R32K	Eaglecrest	75.59 333	P	P	P	P	04 16 26.7 +1.3
ICESG	Greenland Ices	75.69 13	P	P	P	P	04 16 25.4 -0.7
ICESG	Greenland Ices	75.69 13	P	P	P	P	04 16 26.6
P33M	Teslin, Yukon	75.83 335	P	P	P	P	04 16 28.0 +1.3
PBAR	Barrancos	75.83 50	P	P	P	P	04 16 27.6 +0.5
PBAR	Barrancos	75.83 50	P	P	P	P	04 16 28.8
PVIS	Visu	75.85 47	P	P	P	P	04 16 26.9 -0.4
PMRV	Marv??o	75.88 48	P	P	P	P	04 16 26.6 -0.8
PMRV	Marv??o	75.88 48	P	P	P	P	04 16 28.9
P32M	Atlin	75.89 334	P	P	P	P	04 16 28.5 +1.5
BESE	Bessie Mountain	75.90 333	P	P	P	P	04 16 28.0 +0.8
BESE	Bessie Mountain	75.90 333	P	P	P	P	04 16 29.5
PGAV	Gaveira, Arco	75.92 46	P	P	P	P	04 16 27.6 -0.1
PGAV	Gaveira, Arco	75.92 46	P	P	P	P	04 16 28.8
PCBR	Castelo Branco	75.92 48	P	P	P	P	04 16 27.5 -0.1
PCBR	Castelo Branco	75.92 48	P	P	P	P	04 16 29.3
MTE	Manteigas	76.02 47	P	P	P	P	04 16 28.1 -0.2
MTE	Manteigas	76.02 47	P	P	P	P	04 16 28.6
PCAB	Cabril	76.02 46	P	P	P	P	04 16 28.4 +0.2
PCAB	Cabril	76.02 46	P	P	P	P	04 16 29.9
POLO	Lamas de Olo	76.10 46	P	P	P	P	04 16 28.3 -0.4
POLO	Lamas de Olo	76.10 46	P	P	P	P	04 16 28.7
PVRL	Vila Real	76.13 47	P	P	P	P	04 16 28.5 -0.3
PVRL	Vila Real	76.13 47	P	P	P	P	04 16 29.4
UPNV	Upernavik	76.16 6	P	P	P	P	04 16 28.8 +0.5
UPNV	Upernavik	76.16 6	P	P	P	P	04 16 31.9
S31K	Pelican	76.24 332	P	P	P	P	04 16 30.9 +1.9
N32M	Quiet Lake	76.43 336	P	P	P	P	04 16 32.1 +2.0
MMPY	Sheldon Lake,	76.49 337	P	P	P	P	04 16 32.2 +1.7
SKAG	Skagway	76.54 333	P	P	P	P	04 16 32.5 +1.9
MVO	Moncorvo	76.60 47	P	P	P	P	04 16 31.4 -0.1
MVO	Moncorvo	76.60 47	P	P	P	P	04 16 32.7
WHY	Whithorse	76.93 335	P	P	P	P	04 16 34.6 +1.6
WHY	Whithorse	76.93 335	P	P	P	P	04 16 34.9 +1.6
PLBC	Pleasant Camp	77.00 333	P	P	P	P	04 16 34.9 +1.6
FARO	Faro, Yukon	77.10 336	P	P	P	P	04 16 35.5 +1.7
M31M	Drury Creek, Y	77.51 336	P	P	P	P	04 16 37.6 +1.6
M31M	Drury Creek, Y	77.51 336	P	P	P	P	04 16 37.4 +1.3
Q30M	Mendenhall	77.51 334	P	P	P	P	04 16 37.4 +1.3
P30M	Million Dollar	77.58 334	P	P	P	P	04 16 38.1 +1.5

P29M	Windy Craggy	77.70 333	P	P	P	P	04 16 38.6 +1.4
N31M	Bræburn, Yuko	77.72 335	P	P	P	P	04 16 38.6 +1.3
KULLO	Kullorsuaq	77.74 5	P	P	P	P	04 16 36.5 -0.6
KULLO	Kullorsuaq	77.74 5	P	P	P	P	04 16 38.0
HYT	Haines Junction	78.15 334	P	P	P	P	04 16 40.9 +1.1
HYT	Haines Junction	78.15 334	P	P	P	P	04 16 41.3 +1.5
BORG	Borgarnes	78.17 21	LR	LR	LR	LR	04 47 40.8
PAB	San Pablo	78.19 49	P	P	P	P	04 16 40.7 +0.3
PAB	San Pablo	78.19 49	P	P	P	P	04 16 41.7
PAB	San Pablo	78.19 49	P	P	P	P	04 16 40.7 +0.3
N30M	Aishkik Lake	78.26 335	I	Amb	I	Amb	04 17 17.7
N30M	Aishkik Lake	78.26 335	I	Amb	I	Amb	04 16 41.7 +1.4
O29M	Mount Kennedy	78.38 333	P	P	P	P	04 16 42.2 +1.1
PNL	Peninsula	78.48 333	P	P	P	P	04 16 42.9 +1.4
ESDC	Seneca Array	78.51 49	P	P	P	P	04 16 41.7 -0.4
ESDC	Seneca Array	78.51 49	P	P	P	P	04 16 42.1 0.0
ESDC	Seneca Array	78.51 49	P	P	P	P	04 48 09.2
ESBB	Seneca Array	78.51 49	I	Amb	I	Amb	04 16 43.5
YUK6	Outpost Mount	78.57 334	P	P	P	P	04 16 43.7 +1.4
SUMG	Summit	78.66 11	P	P	P	P	04 16 42.0 -0.7
YUK4	Talbot Arm	78.88 334	P	P	P	P	04 16 45.3 +1.5
PINM	Pinnacle	79.05 333	P	P	P	P	04 16 45.8 +1.2
M29M	Somme Creek	79.29 335	I	Amb	I	Amb	04 17 23.0
M29M	Somme Creek	79.29 335	I	Amb	I	Amb	04 16 47.2 +1.2
O28M	Mount Upton	79.31 334	P	P	P	P	04 16 47.7 +1.4
YUK8	Steele Glacier	79.34 334	P	P	P	P	04 16 47.7 +1.3
H31M	Peel River	79.34 339	I	Amb	I	Amb	04 17 22.9
H31M	Peel River	79.34 339	I	Amb	I	Amb	04 16 47.4 +1.3
L29M	L29M	79.46 336	P	P	P	P	04 16 46.9 +0.1
L29M	L29M	79.46 336	P	P	P	P	04 17 23.6
L29M	L29M	79.46 336	P	P	P	P	04 16 47.8 +1.0
TORD	Torodi Ar. Bea	79.53 76	P	P	P	P	04 16 47.0 -1.1
TORD	Torodi Ar. Bea	79.53 76	P	P	P	P	04 16 47.9 -0.2
TORD	Torodi Ar. Bea	79.53 76	P	P	P	P	04 17 18.4 -3.3
K29M	Barlow Dome	79.55 337	P	P	P	P	04 16 47.9 +0.5
K29M	Barlow Dome	79.55 337	P	P	P	P	04 16 48.3 +0.9
I30M	Mount Dempster	79.78 338	P	P	P	P	04 16 49.3 +0.7
I30M	Mount Dempster	79.78 338	P	P	P	P	04 17 25.4
I30M	Mount Dempster	79.78 338	P	P	P	P	04 16 49.7 +1.1
YUK3	Moose Creek	79.85 334	P	P	P	P	04 16 50.1 +1.0
MESA	MESA	79.86 333	P	P	P	P	04 16 50.3 +1.1
G31M	Satah River	79.90 340	P	P	P	P	04 16 49.2 +0.3
G31M	Satah River	79.90 340	P	P	P	P	04 17 25.4
G31M	Satah River	79.90 340	P	P	P	P	04 16 49.8 +0.8
CTG	China Glacier	79.90 333	P	P	P	P	04 16 50.5 +1.2
F31M	Tsigehtochic	80.00 341	P	P	P	P	04 16 50.3 +0.9
BVCY	Beaver Creek	80.28 335	P	P	P	P	04 16 52.5 +1.3
A36M	Sachs Harbour	80.32 346	P	P	P	P	04 16 50.9 -0.3
A36M	Sachs Harbour	80.32 346	P	P	P	P	04 16 51.1 0.0
INK	Inuvik	80.39 342	I	Amb	I	Amb	04 17 28.0
INK	Inuvik	80.39 342	I	Amb	I	Amb	04 16 52.4 +0.8
BGLC	Bering Glacier	80.45 332	P	P	P	P	04 16 52.7 +0.6
EPYK	Eagle Plains	80.46 339	P	P	P	P	04 16 52.8 +0.7
I29M	Ogilvie Camp	80.56 338	I	Amb	I	Amb	04 17 29.3
I29M	Ogilvie Camp	80.56 338	I	Amb	I	Amb	04 16 53.5 +0.8
CRQE	Circle	80.61 333	P	P	P	P	04 16 53.9 +0.8
VNA3	Neumayer Olymp	80.61 162	P	P	P	P	04 16 53.9 +1.1
M27K	Edge Creek, AK	80.69 335	P	P	P	P	04 16 54.3 +0.8
F30M	Barrier River	80.76 341	I	Amb	I	Amb	04 17 30.1
F30M	Barrier River	80.76 341	I	Amb	I	Amb	04 16 54.3 +0.7
MCARA	McCarthy VSAT	80.81 334	P	P	P	P	04 16 55.2 +1.2
VNA1	Neumayer-Stat	80.83 162	P	P	P	P	04 16 55.6 +1.6
KAIM	Kayak Island	80.91 332	P	P	P	P	04 16 56.2 +1.6
BCAR	Beaver Creek A	80.94 335	I	Amb	I	Amb	04 16 55.3 +0.6
L27K	Beaver Creek,	80.96 335	P	P	P	P	04 17 32.1
L27K	Beaver Creek,	80.96 335	P	P	P	P	04 16 56.0 +1.2
H29M	Whitestone	80.98 339	I	Amb	I	Amb	04 17 33.6
H29M	Whitestone	80.98 339	I	Amb	I	Amb	04 16 55.9 +1.0
NEEM	North Greenlan	80.98 6	P	P	P	P	04

16d 4h

2019 MAY

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

INMG 16 04:07:25.6: 1.4, 37:07N:4:08W, h6km, 2km, ML2.6, Error ellipse: s-maj=2.0km s-min=1.8km az=145.0 #DIST. RANGE: REGIONAL #PMA_REGION: W #GRAND: ESP

SFS 16 04:07:25.6, 37:07N:4:07W, h3km, ML3.0/13, ML3.0/15, ML3.0/15

MDD 16 04:07:25.7: 2.0, 37:13N:4:07W, h14km, 1km, mb, Lg3.0/32, Error ellipse: s-maj=2.1km s-min=1.3km az=171.0

CNRM 16 04:07:27.0, 36:59N:4:16W, h27km, ML2.2 IGL 16 04:07:26.4, 37:13N:4:07W, h14km

ISC 16 04:07:25.0: 0.8, 37:06N:0:02:4:07W:0:01, h12km, 5km, n101, #128/188, Spain

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Station Name, Az, El, Az-1, El-1, Az+1, El+1, Az-2, El-2, Az+2, El+2, Az-3, El-3, Az+3, El+3, Az-4, El-4, Az+4, El+4. Includes stations like PAB, CART, EGRO, EBAD, PVAQ, JBK, PBDV, EVIV, PCVE, UCM, PESTR, EPLA, MESJ, EVO, EBEN2, ECHE, PMRV, GUD, MORF, PTEO, PFVI, ZHG, MD31, MDT, MTE, PSBE, PMAFR, PCAS, COI, EIBI, MVO.

Table with columns: Code, Station Name, Az, El, Az-1, El-1, Az+1, El+1, Az-2, El-2, Az+2, El+2, Az-3, El-3, Az+3, El+3, Az-4, El-4, Az+4, El+4. Includes stations like WRA, ILAR, M22K, FIS, RC01, PMR, SML, SUA, SUS, GHO, KMK, SML, CAPN, STLK, SKT, SKW, SKL, SLKM, O22K, M20K, RDJ, RDWB, RED, FID, PPLA, M24K, P23K, P23K, KLU, HIN, HIN, DIV, TRF, P23K, CNPM, L20K, ILS, KTH, KTH, M19K, M19K.

Table with columns: Code, Station Name, Az, El, Az-1, El-1, Az+1, El+1, Az-2, El-2, Az+2, El+2, Az-3, El-3, Az+3, El+3, Az-4, El-4, Az+4, El+4. Includes stations like EYAK, CAST, N19K, MCK, HARP, P19K, P19K, L19K, N25K, N25K, PAX, PAX, PAX, BMRM, BMRM, BMRM, BPAW, BPAW, K20K, K20K, M18K, M18K, K24K, K24K, K24K, O18K, O18K, SYI, TTA, TTA, RIDG, RIDG, RIDG, L18K, J20K, J20K, J20K, KHIT, KHIT, DOT, DOT, DOT, PTPK, M17K, M17K, M17K, J19K, J19K, J19K, N17K, N17K, J18K, J25K, I21K, I21K, I21K, I21K, O17K, I20K, L17K, K17K, K17K, J26L, J26L, J26L, ANCK, CNCT, M16K, M16K, M16K, H21K, H21K, L16K, L16K, JMA, ENTT, ENTT, FUSB, FUSB, TWE, TWE, NWLT, NWLT, NDS, NDS, LATG, LATG, ILLA, ILLA, YHNB, YHNB, YHNB, YHNB, TWC, TWC, NHHH, NHHH, ESao, ESao, TWA, TWA, TATO, TATO, TATO, ENA, ENA, ENA, NNS, NNS, EWUT, EWUT, NNSB, NNSB, TAP, TAP, EGS, EGS.

Table with columns: Station Name, Elevation (eS), Azimuth (Sn), and other data. Includes stations like Guanxi Townshi, Wufeng Townshi, Wu-fen Shan, etc.

Table with columns: Station Name, Elevation (eS), Azimuth (Sn), and other data. Includes stations like Hsinying, Tainan City, Yijhu, etc.

Table with columns: Code, Station Name, Elevation (eS), Azimuth (Sb), and other data. Includes stations like San Alfonso, Sierra Bellaviva, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KBL, Kabul, 61.87 311, P, P, 05 43 54.3 -1.1, 05 43 55.4 -1.1. Includes stations like MJAR Matsushiro Arr, PETK Petropavlovsk, NVAR Mira Array Bea, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KBL, Kabul, 61.87 311, P, P, 05 43 54.3 -1.1, 05 43 55.4 -1.1. Includes stations like HIDR Higüey Centro, MIDR Miches, DR12 Loma Pena Alta, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KBL, Kabul, 61.87 311, P, P, 05 43 54.3 -1.1, 05 43 55.4 -1.1. Includes stations like ZALV Zalesovo Beam, KURBB Kurchatov Arr, etc.

CATAC 16 05:10:30.40.5, 1.4 N.3 x 9 1W.1, h1km, M3.8/18, MLv3.8/18, Error ellipse: s-maj=6.5km s-min=4.0km

CGC 16 05:10:31.4.1.6, 13.57N:91.41W, h14km, 18km, MD4.4, MW3.4

SNET 16 05:10:34.7.1.2, 13.78N:91.18W, h16km, 9km, ML3.4

IDC 16 05:10:38.3.4.6, 13.62N:91.08W, h99km, 46km, mb3.0/2, mbmp3.2/5, Error ellipse: s-maj=52.6km s-min=19.9km

ISC 16 05:10:31.2.2.4, 13.58N:0.07.91.29W, 0.06, h8km, 13km, n70, r152/76, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KBL, Kabul, 61.87 311, P, P, 05 43 54.3 -1.1, 05 43 55.4 -1.1. Includes stations like STG5 El Palmar, STG8 El Palmar, ESSG Sabana Grande, etc.

IDC 16 05:33:34.5.1.1, 1.98S:122.55E, h0km, mb3.6/6, mbmp3.7/8, ML3.9/2, MS2.9/3, Error ellipse: s-maj=36.8km

NEIC 16 05:33:35.8.0.6, 1.8S:0.1x:122.6E:0.2, h10km, 2km, mb4.4/1, Error ellipse: s-maj=27.4km s-min=19.9km

DJA 16 05:33:39.2.0.9, 2.2S:12.2E, h33km, 11km, M4.6/24, mb5.0/7, mb4.8/7, MLv4.6/24, MW(m)4.4/7

ISC 16 05:33:39.2.0.7, 1.99S:0.04.122.53E:0.05, h35km, n42, r104/46, mb4.0/12, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KBL, Kabul, 61.87 311, P, P, 05 43 54.3 -1.1, 05 43 55.4 -1.1. Includes stations like CELP Cerillos, EMPR Esperanza, SDDR Presa de Saban, etc.

IDC 16 05:39:50.9.1.1, 29.30N:85.37E, h0km, mb3.8/7, mbmp3.8/9, ML4.2/2, MS3.2/2, Error ellipse: s-maj=41.6km

DMN 16 05:39:50.1.0.2, 29.58N:85.42E, h10km, M4.1/6, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 16 05:39:52.2.2.5, 29.53N:0.05.85.41E:0.04, h3km, 16km, n30, r158/44, mb3.7/6, Xizang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KBL, Kabul, 61.87 311, P, P, 05 43 54.3 -1.1, 05 43 55.4 -1.1. Includes stations like GUN Gumba, GUN Gumba, GUN Gumba, etc.

RSPR 16 05:19:46.6, 18.81N:68.71W, h143km, 1km, MD2.9/10

NEIC 16 05:19:48.0.7, 18.6N:0.1:68.83W:0.06, h91km, 11km, ML2.3/20, MD2.9/10(RSPR), Error ellipse: s-maj=20.2km

SDD 16 05:19:49.7.0.7, 18.45N:68.98W, h91km, 7km, MD2.6, ML1.8, MW2.3

ISC 16 05:19:49.3.1.4, 18.4N:0.1:68.89W:0.04, h87km, 11km, n36, r154/42, 7C-4D, Mona Passage

ISC 16 05:43:43.8.1.1, 0.4N:101.8E, h0km, 1km, M4.3/24, mb5.0/7, mb4.8/7, MLv4.6/24, MW(m)4.4/7

ISC 16 05:43:43.8.1.1, 0.4N:101.8E, h0km, 1km, M4.3/24, mb5.0/7, mb4.8/7, MLv4.6/24, MW(m)4.4/7

ISC 16 05:43:43.8.1.1, 0.4N:101.8E, h0km, 1km, M4.3/24, mb5.0/7, mb4.8/7, MLv4.6/24, MW(m)4.4/7

ISC 16 05:43:43.8.1.1, 0.4N:101.8E, h0km, 1km, M4.3/24, mb5.0/7, mb4.8/7, MLv4.6/24, MW(m)4.4/7

WEL 16 05:42:15.6.0.3, 44.5S:2x17.0E, h5km, M3.6/25, ML3.7/25, MLv3.6/25, Error ellipse: s-maj=2.8km

WEL 16 05:42:15.6.0.3, 44.5S:2x17.0E, h5km, M3.6/25, ML3.7/25, MLv3.6/25, Error ellipse: s-maj=2.8km

WEL 16 05:42:15.6.0.3, 44.5S:2x17.0E, h5km, M3.6/25, ML3.7/25, MLv3.6/25, Error ellipse: s-maj=2.8km

WEL 16 05:42:15.6.0.3, 44.5S:2x17.0E, h5km, M3.6/25, ML3.7/25, MLv3.6/25, Error ellipse: s-maj=2.8km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like WANAKA, LAKE TAYLOR, etc.

NEIC 16 05:46:39.4±0.8, 19.33N±0.02, 155.13W±0.01, h7km, 2km, Error ellipse: s-maj=2.9km s-min=1.1km az=161.0

HVO 16 05:46:39.2±0.9, 19.33N±0.02, 155.14W±0.01, h6km, 2km, ML2.6/41, ML2.6/32(NEIC), Error ellipse: s-maj=2.8km s-min=1.1km az=162.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like STCH, KNNH, JUJZ, etc.

SSNC 16 06:18:15.4±1.3, 09.68N±72.40W, h0km, 17km, MD3.2, ML2.0, MW1.7

OSPL 16 06:18:15.2±0.7, 19.31N±72.12W, h148km, 8km, ML1.8

ISC 16 06:18:11.4±1.6, 19.93N±0.11, 172.27W±0.08, h10km±13km, n8, r150/16, Haiti region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like LODA1, SDDR, etc.

ISC 16 06:27:26.3±1.7, 5.55S±25.02W, h0km, mb4.0/5, mbtmp4.3/6, ML3.7/1, Error ellipse: s-maj=77.5km s-min=19.5km az=58.0

NEIC 16 06:27:27.0±0.9, 5.55S±0.1±24.9W±0.1, h10km, 1km, mb4.4/15, Error ellipse: s-maj=20.1km s-min=4.9km az=150.0

ISC 16 06:27:26.9±0.6, 5.55S±0.09±24.9W±0.1, h10km, n26, r150/26, mb4.3/11, 4C, South Sandwich Islands region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like VNA1, VNA3, VNA2, etc.

ISC 16 06:36:09.6±1.8, 51.26N±81.83E, h0km, mbtmp2.1/2, ML1.8/2, Error ellipse: s-maj=17.9km s-min=14.8km az=1.0

NNC 16 06:36:13.3±10.0, 49.02N±76.92E, h0km, mb2.8, mpv2.4, Error ellipse: s-maj=117.9km s-min=52.7km az=95.0, Suspected Mining explosion.

ISC 16 06:36:06.5±1.0, 51.60N±0.07±81.90E±0.07, h10km, n7, r150/29, 2C-4D, Southwestern Siberia

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

ISC 16 06:39:44.3±0.8, 3.73S±151.96E, h0km, mb4.1/15, mbtmp4.1/16, ML2.2/21, MS3.7/21, Error ellipse: s-maj=31.0km s-min=15.6km az=94.0

NEIC 16 06:39:46.3±1.0, 3.73S±0.04±152.1E±0.1, h10km, 1km, mb4.5/36, Error ellipse: s-maj=18.3km s-min=5.2km az=70.0

ISC 16 06:39:45.8±0.6, 3.73S±0.06±152.1E±0.1, h10km, n80, r201/44, mb4.5/33, MS3.7/18, New Ireland region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like RABUL, MANUS ISLAND, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CAN, BBDO, BBOO, etc.

ISC 16 06:51:57.0±0.6, 7.25N±94.06E, h0km, mb4.3/26, mbtmp4.3/28, ML4.5/2, MS3.8/42, Error ellipse: s-maj=24.5km s-min=12.3km az=52.0

NDI 16 06:51:59.2±0.7, 7.48N±94.33E, h10km, ML4.8, MW4.8, MOS 16 06:51:59.1±1.0, 7.30N±94.17E, h25km, mbs.0/24, Error ellipse: s-maj=13.3km s-min=5.9km az=112.6

NEIC 16 06:52:00.0±1.6, 7.46N±0.04±94.31E±0.09, h10km, 1km, mb4.9/49, Error ellipse: s-maj=17.0km s-min=2.9km az=245.0

DJA 16 06:52:06.3±1.2, 7.3N±3.9±95E±1.1, h11km, 10km, M4.7/9, mb4.8/9, mbs.7/2, MLv4.7/7, MW(mB)5.2/2

ISC 16 06:52:01.9±0.7, 7.40N±0.04±94.22E±0.04, h27km, 5km, n438, r1927/410, mb4.8/79, MS3.9/51, 7C-10D, Nicobar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CAMPELL BAY, CMBY, etc.

Table with columns: Station Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like FIA1, FINES, FIBES, etc.

Table with columns: Station Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like GCSA, N15K, K17K, etc.

Table with columns: Station Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like F26K, D27M, P19K, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BVMM Pinon, COVM Coyocacan, UNM Universidad Na, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TKL comp=Z,4.8nm,0.4s, Tuckaleechee C, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PB06 comp=N,995nm,0.1s, PB06 IOPC Station P, etc.

Table with columns: DBIC, comp, Iamb, Iamb, 07 54 13.5, 07 54 13.7 -0.7, 07 55 06.4 -0.1, 07 56 35.7 +2.0

ASRS 16 07:55:03.0-0.9, 53°51'N-87°43'E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 16 07:55:06.3-3.3, 53°49'N-87°47'E, h0km, mbtmp2.5/2, ML2.1/1, Error ellipse: s-maj=29.3km s-min=16.6km az=60.0, Southwestern Siberia

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

ASRS 16 07:56:06.0-0.9, 53°49'N-91°10'E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 16 07:56:11.6-3.9, 53°40'N-90°86'E, h0km, mbtmp2.8/3, ML2.2/3, Error ellipse: s-maj=38.3km s-min=26.4km az=29.0, Southwestern Siberia

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

SNET 16 07:58:41.8-1.3, 13°44'N-89°96'W, h57km, 1.7km, ML3.2 GCG 16 07:58:41.0-0.7, 13°37'N-90°03'W, h44km, 2.3km, MD4.0, MW2.6

CATAC 16 07:58:41.4-0.6, 13°N-4°W, h29km, 3km, M3.1/18, ML3.1/18, Error ellipse: s-maj=8.0km s-min=5.6km az=27.2, confirmed

IDC 16 07:58:45.1-1.4, 13°49'N-0°06', 89°84'W, h26km, 10km, n67, 193173, 6C, El Salvador

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

IDC 16 08:03:02.4-1.6, 5°08'S-152°14'E, h0km, mb3.7/7, mbtmp3.8/8, ML1.5/1, MS3.3/2, Error ellipse: s-maj=65.1km s-min=21.5km az=123.0

ISC 16 08:03:07.1-2.5, 5°S-1°15'2'E, h35km, n10, 0884/5, mb3.7/7, New Britain region

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

KRNET 16 08:14:23.9-0.1, 41°92'N-78°49'E, h27km, mb2.7 SOME 16 08:14:24.4, 41°90'N-78°48'E, h20km NNC 16 08:14:26.2-0.9, 42°02'N-78°48'E, h0km, mb3.1, mpv3.3, Error ellipse: s-maj=6.4km s-min=2.8km az=168.0, Suspected Mining explosion.

IDC 16 08:14:27.1-1.1, 41°92'N-0°05', 78°41'E, h0km, n38, 19106/66, 17C-6D, Kyrgyzstan-Xinjiang border region

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

BOOM Booms koye usch 1.92 288 fP Pn 08 14 58.5 -0.4 BOOM Booms 0.4 nS Pn 08 15 23.5 -0.3

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

Table with columns: KNOS, Konyrien, 2.50 13 Pg Pb 08 15 10.2 -0.4, 08 15 41.5 -0.1, 08 15 45.0, 08 15 11.3 -1.1, 08 15 45.0 -1.1, 08 15 17.5 -1.5, 08 16 00.2, 08 15 51.2 +1.8, 08 16 52.7 -1.8, 08 17 21.8

IDC 16 08:25:50.7-3.7, 54°59'N-86°51'E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=30.0km s-min=17.3km az=47.0, Southwestern Siberia

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

IDC 16 08:48:08.3-1.9, 16°40'S-147°77'W, h0km, mb3.9/5, mbtmp3.9/5, MS3.5/26, Error ellipse: s-maj=67.0km s-min=30.2km az=98.0, Southern Mid-Atlantic Ridge

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

ASRS 16 09:09:45.0-1.0, 54°04'N-86°51'E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 16 09:09:47.6-2.7, 54°04'N-86°55'E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=22.6km s-min=13.4km az=59.0, Southwestern Siberia

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

IDC 16 09:29:04.0-0.7, 28°65'S-176°86'W, h0km, mb4.3/10, mbtmp4.3/11, ML4.6/1, MS3.9/4, Error ellipse: s-maj=25.5km s-min=19.9km az=116.0, NEIC 16 09:29:10.9-1.5, 28°58'S-0°1'176°39'W, h0.1, h35km, 2km, mb4.6/11, Error ellipse: s-maj=24.0km s-min=11.7km az=132

IDC 16 09:29:07.5-0.7, 29°13'S-0°07', 176°49'W, h35km, n72, 19457/73, mb4.4/18, Kermadec Islands region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Carnagh Statio, Omahuta, Te Karaka, Matawai, Urewera, etc.

16d 09:34:34.6-8.2, 7.57N-92.79E, h0km, mb3.8/5, mbmp3.8/6, ML4.3/1, Error ellipse: s-maj=185.2km s-min=63.0km az=137.0

16d 09:34:41.6-8.7, 8.1N-92.7E, h0.35km, n12, 0.661/6, mb3.8/5, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Chiang Mai Arr, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HO4N1 Crozet Islands, HO4N3 Crozet Islands, etc.

16d 09:37:12.6-0.8, 4.00S:152.21E, h0km, mb4.0/13, mbmp4.0/13, MS4.0/3, Error ellipse: s-maj=26.9km s-min=17.2km az=82.0

16d 09:37:16.3-2.6, 3.77S:0.04:152.2E:0.1, h10km, 1km, mb4.0/25, Error ellipse: s-maj=22.5km s-min=6.1km

16d 09:37:18.3-0.3, 3.78S:0.01:152.0E:0.02, h12km, MW4.8/93, Moment Tensor Solution. s9:c9: s93,c129; Duration: 0 Moment tensor: Scale 10^16Nm; Mr:-0.40:0.09; Mw:2.35:0.6; Mw-1.95:0.8; Mw-0.26:2.2; Mw:0.67:0.7; Mw-0.67:2.6; Best double couple: Mw:2.38000x10^16 Np1:0.305.00000, 0.872.00000, -1.8.00000. NP2: 0.3.20000, 0.882.00000, -1.161.00000. Principal axes: T 2.4990, P1g7.0000, Azm170.0000; P -2.2630, P1g19.0000, Azm263.0000; nst1 refers to surface waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function.

16d 09:37:15.4-0.7, 3.75S:0.07:152.2E:0.1, h10km, n64, r136/32, mb4.5/25, MS4.0/30, New Ireland region

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: RTAL, PAVE, STGB, STGS, HUEH, HUEH, PCIG, TGIG, NILT, NILT, CMIG, CMIG, NEUV, NEUV. Rows include stations like Pavencul, El Palmar, Qui, Huehuetenango, etc.

ASRS 16:09:58:49.0+1.4, 53.333N, 91.37E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021., Southwestern Siberia

ASRS 16:09:59:27.0+0.9, 53.292N, 91.34E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021., Southwestern Siberia

IDC 16:10:01:56.8+1.8, 29.715S, 111.93W, h0km, mb3.8/5, mbtmp3.8/5, MS3.8/18, Error ellipse: s-maj=93.1km s-min=48.4km az=108.0

ISC 16:10:01:58.0+1.8, 29.75S, 112.0W, 0.7, h10km, n33, c07119, mb3.7/5, MS3.9/18, Easter Island region

Main station list table with columns: Code, Station Name, A° AZ°, Phase ID, ISC, Time h m s, Res ISC. Lists numerous stations and their associated data.

NEIC 16:10:17:13.7-1.1, 4.28S; 0.08+152.82E, 0.06, h1(0km), 1km, mb4.9/40, Error ellipse: s-maj=14.2km s-min=9.8km az=16.0

BUJ 16:10:17:14.0, 4.745S; 152.75E, h32km, mb4.9/6, mb4.7/16, Ms4.5/1, Ms7.4/2

IDC 16:10:17:15.8+2.5, 4.34S; 152.89E, h33km, 17km, mb4.2/16, mbtmp4.4/16, MS3.6/27, Error ellipse: s-maj=20.4km s-min=13.6km az=93.0

DJA 16:10:17:22.7+0.6, 4.54S; 15.13E, h112km, 7km, Ms1.20, mb4.8/20, mb5.5/3, MLv5.2/1, Mw(mv)4.9/3

ISC 16:10:17:18.8+0.4, 4.34S; 0.05+152.90E, 0.06, h55km, n110, c155591, mb4.7/45, MS3.6/23, 1C-2D, New Britain region

Continuation of station list table with columns: Code, Station Name, A° AZ°, Phase ID, ISC, Time h m s, Res ISC. Includes stations like Rabul, Manu Island, Port Moresby, etc.

Table with columns: FAKI, FAKI, QJIS, QJIS, KDUJ, KDUJ, SWI, SWI, DZM, DZM, DZM, DZM, DZM, DZM. Rows include stations like Fak Fak, Mount Isa, Elidsvold, etc.

MTN MTN comp=Z,116nm,1.6s Pn P 10 21 53.7 -3.3

DRS Darwin Rock St 23.18 248 P P 10 22 19.7 -1.3

WRA Warramunga Arr 23.72 228 P P 10 22 09.5 +0.3

ARMA Armadale 25.96 183 P P 10 22 47.5 +1.1

AS31 Alice Springs 26.55 222 P P 10 22 51.2 +0.5

SANI Sanana 26.96 274 P P 10 22 56.0 +0.5

STKA Stephens Creek 29.38 200 I Amb I Amb 10 23 16.2 -0.5

STKA Stephens Creek 29.38 200 P P 10 23 15.7 -1.1

FITZ Fitzroy Crossi 29.96 241 P P 10 23 20.9 -1.3

CAN Canberra 31.04 186 P P 10 23 31.7 +0.2

EDFI Ende, Flores 31.30 260 P P 10 23 32.7 -1.5

BBOO Buckleboon 32.41 207 P P 10 23 42.9 -0.6

KAPI Kappang 33.04 267 P P 10 23 48.6 -0.7

FORT Forrest 35.70 219 P P 10 24 07.2 -0.6

PSA00 Pilbara Seismi 36.35 239 P P 10 24 17.1

TAU Tasmania Univ 38.72 187 P P 10 24 39.1 +1.6

BKZ Black Stump Fm 40.74 152 P P 10 24 54.7 +0.3

MJAR Matsushiro Arr 42.93 343 LR 10 40 43.3

LEMB Lembang 45.12 265 LR 10 47 32.5

NJ2 Nanjing 48.55 321 eP P 10 25 58.6 +1.9

ASAJ Asahikawa 49.12 350 LR 10 43 25.8

PSI Prapa 54.40 277 LR 10 52 02.8

HNS HongShan 54.64 328 eP P 10 26 43.3 +1.2

PETK Petropavlovsk 57.38 3 P P 10 27 01.1 -0.2

CMAR Chiang Mai Arr 57.77 295 P P 10 27 05.3 +0.5

PZH PanZhiHua 58.19 305 P P 10 27 10.8 +3.1

CZH Chengdu 58.52 310 eP P 10 27 10.0 +0.2

SHM Shemys Is, Ala 59.62 15 LR 10 49 21.1

GTA Gaotai 65.39 317 eP P 10 27 57.3 +1.4

YAK Yakutsk 68.55 348 LR 10 59 22.7

WMQ Urumqi 75.47 317 eP P 10 28 58.6 +1.3

E19K Redstone River 79.72 17 I Amb I Amb 10 29 22.3

MKAR Makanchi Array 80.05 319 P P 10 29 23.2 +0.6

Table with columns: ILAR, ILAR, D23K, D23K, M27K, M27K, C23K, C23K, KURBB, KURBB, G26K, G26K, HYT, HYT, QSPA, QSPA, GSPA, GSPA, G29M, G29M, MAW, MAW, F30M, F30M, YBH, YBH, BVAR, BVAR, NVAR, NVAR, PFO, PFO, NEW, NEW, YKO, YKO, YKA, YKA, ELIB, ELIB, LPIG, LPIG, PDAR, PDAR, NOA, NOA, BOSA, BOSA, CLL, CLL, GERES, GERES, LPAZ, LPAZ, CPUP, CPUP, TORD, TORD, BDBF, BDBF, DBIC, DBIC. Rows include stations like Eielson Array, Nanushuk River, Edge Creek, etc.

SOME 16:10:35:22.8, 42.48N-83.00E, h5km NNC 16:10:35:25.2+6.3, 42.34N-82.81E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=49.4km s-min=23.2km az=142.0

ISC 16:10:35:25.8+3.0, 42.55N, 82.81E, 0.1, h10km, n6, c1978/8, 4C, Northern Xinjiang

Continuation of station list table with columns: Code, Station Name, A° AZ°, Phase ID, ISC, Time h m s, Res ISC. Includes stations like Ketmen, Shalkode, Podgornoye, etc.

IDC 16:10:38:15.9+10.0, 19.22S; 175.00W, h262km, 40km, mb3.6/4, mbtmp4.3/6, Error ellipse: s-maj=142.7km s-min=27.8km az=59.0, Tonga Islands

MSVF Nonsavu 6.76 282 Op Pn 10 39 53.6 -0.2

DZM Mont Dumac 17.60 258 P P 10 42 03.8 +0.2

URZ Urewera 20.18 198 P P 10 42 31.0 0.0

STKA Steaks Creek 40.88 243 P P 10 45 32.6 -0.3

ASAR Alice Springs 47.57 255 P P 10 46 25.9 0.0

WRA Warramunga Arr 47.59 260 P P 10 46 25.8 -0.3

DNK 16:10:45:21.9+0.9, 55.41N-21.35E, h0km, ML2.2(UPP), Suspected explosion

UPP 16:10:45:24.0+2.7, 55.49N-21.18E, h0km, ML2.2

LVSN 16:10:45:25.2+1.5, 55.73N-21.07E, h0km, 4km, ML2.5

ISC 16:10:45:25.7+1.0, 55.63N-20.05E, h0km, n28, c061133, Baltic Sea

PABE Paberze 1.69 93 eS Pn 10 45 56.7 +0.3

SUU Suwalki 2.06 141 eP P 10 46 03.7 -0.1

SUU Suwalki 2.06 141 eP P 10 46 04.4 0.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OSKU Oskarshamn, VSTU Vaestervik, etc.

HEL 16 11:01:07.9,0.5,60.20N-23.50E, h0km, ML1.2, Explosion, Finland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MEF Metsahovi, NUR Nurmiarvi, etc.

HEL 16 11:01:19.5,0.1,64.09N-28.13E, h0km, ML1.2, Suspected explosion, Finland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIF Nilsia, RMF Romuvaara, etc.

WEL 16 11:03:13.9,0.3,43°S, 2°17'1E, h5km, M3.9/18, ML4.1/18, MLV3.9/18, Error ellipse: s-maj=3.3km

NOU 16 11:03:14.1, 43°16'S-170°92'E, h4km, MLV4.3/15, South Island, New Zealand

ISC 16 11:03:14.3, 0.9, 43°17'S-0°03'170°88'E, 0.02, h8km, gkm, n86, -1805/104, South Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WVZ Waitaha Valley, WHFS Wharoa Fire, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TMZ Timaru, AMCZ Amberley, etc.

ISK 16 11:08:41.8, 41°46'N-43°97'E, h5km, ML3.2/11 NSSP 16 11:08:42.5, 41°40'N-43°98'E, h10km, Ms3.6

AFAD 16 11:08:42.6, 41°49'N-43°87'E, h6km, 4km, ML3.3 TIF 16 11:08:42.2, 41°47'N-43°95'E, h7km

IDC 16 11:08:43.3, 1.5, 41°43'N-43°77'E, h0km, mb3.7/2, mbmp3.5/4, ML2.7/2, MS2.7/1, Error ellipse: s-maj=19.2km

MOS 16 11:08:43.8, 41°42'N-43°94'E, h1km, MPVA.4.3 AZER 16 11:08:47.5, 41°38'N-44°55'E, h2km, ml3.4

TEH 16 11:08:06.9, 40°12'N-44°55'E, h10km, 02km ISC 16 11:08:44.5, 0.6, 41°43'N-0°01'43°96E-0.01, h10km, n172, -1859/297, mb3.8/3, 13C-13D, Turkey-Georgia-Armenia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TRLG Trialeti, BGD Bogdanovka, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TKB Tkbuli, GOLE Ardahan-GTjle, etc.

Table of station data for the left column, including station names like MNGR, UNCR, and various codes and times.

Main table of station data for the middle column, including station names like BRTR, BRVK, and various codes and times.

Table of station data for the right column, including station names like WRR8, WRAB, and various codes and times.

16d 11h

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like Jayapura, Warramunga Arr, ASAR Alice Springs, etc.

NOU 16:10:58.9, 22°45'171.35E, h0km, mb4.1/12, Southeast of Loyalty Islands, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, PINNC Pines Island, etc.

NNC 11:46:41.2, 5.1, 46.62N:99.20E, h0km, mb4.5, Error ellipse: s-maj=52.4km s-min=46.1km az=125.0

MOS 11:46:44.8, 1.4, 46.84N:98.92E, h10km, mb4.6/9, Error ellipse: s-maj=7.7km s-min=6.9km az=0.8

IDC 11:46:44.3, 0.6, 46.76N:98.96E, h0km, mb3.9/16, mbtmp4.0/22, ML3.6/6, MS3.6/21, Error ellipse: s-maj=17.4km s-min=10.5km az=19.0

BUI 16:11:46:45.5, 46.70N:98.90E, h10km, mb4.5/7, mb4.5/23, ML5.0/5, MS4.3/27, MS7.4/12

NEIC 16:11:46:46.9, 1.7, 46.82N:103.99E, 0.1, h10km, 1km, mb4.6/14, Error ellipse: s-maj=13.6km s-min=4.3km az=81.0

ASRS 16:11:46:55.7, 0.4, 47.1N:2.99E, h10km, mb5.1/13, Error ellipse: s-maj=5.0km s-min=4.1km az=42.8, confirmed

ISC 16:11:46:46.9, 0.3, 46.81N:103.98E, 0.02, h10km, n150, a192/145, mb4.2/29, MS3.7/25, 18C-15D, Mongolia

Main table for the first section with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ZAK Zakamensk, MOY Monday, SONM Songino Array, etc.

2019 MAY

Main table for the second section with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like GOMU, LZHZ Lanzhou, MK31 Makanchi Array, etc.

892

Main table for the third section with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like PZH, IUG Everest, KLR Kul'dur, etc.

Table with columns: NOA, NORSAR Array B, 49.58 320 P, P, 11 55 36.6 -1.1, comp=Z,1.6nm,0.8s,baz=64,slow=7.5,SNR=7.0, LR LR 12 16 34.3

ISC 16 12:09:48.2,0.4,5:18S:0:05:152.82E:0:07,h43km,n474, c187/396,mb4.9/119,MS4.1/48,9C-9D,New Britain

PPT2 comp=Z,99nm,21.2s eLR LR 12 36 22.7

IDC 16 11:56:12.8,1.0,5:55:46S:25:59W,h0km,mb4.0/4, mbmp3.9/5,ML3.0/1,M53.4/1, Error ellipse: s-maj=46.5km

ISC 16 11:56:14.3,1.0,5:55:50.0:25:27W:0:3,h10km,n11, c1842/10,mb4.0/3,4C,South Sandwich Islands region

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

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

SJA 16 11:58:29.1,0.4,33:14S:73:22W,h11km,ML3.5,MW3.5 GUC 16 11:58:32.0,0.3,33:94S:72:44W,h36km,GK,ML3.5

ISC 16 11:58:33.2,0.3,34:00S:0:06:72:38W,0.09,h8km,13km, n28,c157/38,3C-1D,Off coast of central Chile

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

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

IDC 16 12:09:42.0,0.6,5:11S:152:73E,h0km,mb4.5/21, mbmp4.5/22,M2.7/1,MS4.0/43, Error ellipse: s-maj=21.2km s-min=13.0km az=92.0

MOS 16 12:09:44.5,0.9,4:97S:152:69E,h21km,mb4.9/25, Error ellipse: s-maj=12.9km s-min=8.6km az=95.8

NEIC 16 12:09:44.0,1.8,5:17S:0:07:153:0E:0:1,h10km,1km, mb5.0/155, Error ellipse: s-maj=19.9km s-min=12.2km az=83.0

DJA 16 12:09:48.9,0.6,5:3:15:153E,h46km,7km,M5.2/21, mb4.9/21,mb5.6/4,MLV5.5/1,Mw(mb)5.0/4

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

2019 MAY

16d 12h

Table with columns for station ID, name, elevation, date, time, and various metrics. Includes stations like SII, O16K, Q17K, L15K, J14K, ACHA, N16K, R18K, P17K, K15K, O17K, M16K, OHAK, Q18K, WMQ, L16K, N17K, P18K, K15K, K15K, F14K, O18K, M17K, Q19K, J16K, L17K, N18K, G15K, O17K, H16K, K17K, F15K, P19K, M18K, J17K, N19K, L18K, G16K, HOM, CNPM, H17K, L19K, M19K, TTA, J18K, G17K, TIXI, M20K, L20K, F17K, H18K, C16K, J19K, GCSA, E17K, SLKM, D17K, K20K, G18K, G18K, SEW, F18K, SKT, SUA, SUA, RC01, PPLA, J20K, E18K, E18K, H19K.

Table of station data for the first section, including columns for call sign, frequency, mode, and other technical details.

Table of station data for the second section, including columns for call sign, frequency, mode, and other technical details.

Table of station data for the third section, including columns for call sign, frequency, mode, and other technical details.

SJA 16 12:29:52.0:0.6,32:34Sx71:88W, h75km, ML3.3, MW3.5
GUC 16 12:29:55.2:0.9,32:01Sx71:66W, h29km, 3km, ML3.2
ISC 16 12:29:53.9: 1.5, 32:01S, 71.66W, h15km, 10km,
n29, c1815/7, 1D, Near coast of central Chile

ISC 16 12:39:27.6:1.5, 6:88S, 154:56E, h0km, mb3.8/7,
mbmp3.8/7, MS3.3/2, Error ellipse: s-maj=5.3km
s-min=23.9km az=121.0
ISC 16 12:39:33.4:1, 3, 6:95S, 0:2, 154:6E, 0:3, h39km, n9, c1906/7,
mb3.8/7, Bougainville-Solomon Islands region

16d 13h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Guantnamo Bay, Loma La Navas, Rio Carpintero, etc.

WEL 16 12:44:57.1±1.0, 38°S±10°17'9"W, h33km, M3.2/7, ML3.6/13, MLv3.2/7, Error ellipse: s-maj=12.6km s-min=6.6km az=1.9, confirmed, East of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WMGZ Waionmatatini S, MXZ Matakaoa Point, PUKETITI, etc.

IDC 16 12:47:36.1±0.8, 17°0'N-99°86'E, h171km, 8km, mb3.3/7, mbtmp3.9/8, Error ellipse: s-maj=32.7km s-min=13.9km az=55.0

DJA 16 12:47:37.2±0.3, 2°N, 2°E, h170km, 5km, M4.2/16, m25.1/2, mb4.8/3, MLv3.9/16, Mw(m)2.4/2

ISC 16 12:47:36.9±0.7, 1.58N, 0.06E-99.56E, 0.08h, h200km, n20, c2501/25, mb3.4/7, Northern Sumatra

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MNSI Mandailing Nat, Prapat, PSI, BKNi Bangkinang, etc.

HEL 16 12:57:53.2±0.1, 60°28'N-24°83'E, h0km, ML0.5, Explosion, Finland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HEL1 Helsinki, HEL2 Metsahovi, MEF Nurmijarvi, etc.

DNK 16 12:59:18.0±2.8, 55°19'N-15°75'E, h0km, 43km, ML2.0, LVSN 16 12:58:38.0±3.2, 56°82'N-20°40'E, h0km, 34km, ML2.2, Baltic Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PBUR Paburge, SLIT Siltere, Lati, etc.

2019 MAY

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PABE, BLEU, BLEU, MTSU, etc.

IDC 16 13:06:34.8±5.4, 7°18'S-155°18'E, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=138.9km s-min=39.6km az=108.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrunganga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

NNC 16 13:10:48.7±1.3, 49°03'N-78°28'E, h0km, mb3.1, mpv2.8, Suspected Mining explosion

IDC 16 13:10:50.7±1.1, 49°09'N-78°0'E, h0km, mbtmp2.4/2, ML1.9/2, Error ellipse: s-maj=13.8km s-min=6.6km az=67.0

ISC 16 13:10:44.0±2.8, 49°95'N-0°04'-77°7'E±0°2', h0km, n16, c0594/28, 16C-10D, Eastern Kazakhstan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR07 Kurchatov Arra, KUR06, KUR17, etc.

NNC 16 13:13:30.3±7.7, 37°59'N-71°37'E, h0km, mb3.7, mpv3.5, 3C-1D, Error ellipse: s-maj=60.6km s-min=49.0km az=169.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KK31 Karatay Array, AAK Ala-Archa, AAK Akbuluk array, etc.

IDC 16 13:14:39.6±0.7, 4°36'S-152°74'E, h0km, mb4.1/13, mbtmp4.2/14, ML4.3/1, MS3.3/11, Error ellipse: s-maj=25.9km s-min=16.0km az=86.0

NEIC 16 13:14:40.1±2.2, 4°45'S-152°95'E±0°04', h10km, 1km, mb4.6/18, Error ellipse: s-maj=18.3km s-min=5.5km az=12.0

ISC 16 13:14:41.2±0.5, 4°22'S-152°79'E±0°06', h10km, n62, c2513/17, mb4.6/21, MS3.4/8, New Britain region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RABL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

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Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG Port Moresby, TATA, SAVO, etc.

IDC 16 13:29:59.0±1.0, 26°07'N-129°15'E, h0km, mb3.7/9, mbtmp3.8/11, ML4.0/2, MS3.5/6, Error ellipse: s-maj=31.0km s-min=15.9km az=66.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warrunganga Arr, WRA Kakadu, WRA Warrunganga Arr, etc.

YSA Yasawairora, CMSA Cobar Meteorol, OOD Oodnadatta, STKA Stephens Creek

STKA Stephens Creek, STKA Stephens Creek

FITZ Fitzroy Crossi, FITZ Fitzroy Crossi

BBOO Buclebloe, BBOO Buclebloe

FJCT Forchist, FJCT Forchist

MWBA Marble Bar, MWBA Marble Bar

PSA00 Pilbara Seismi, PSA00 Pilbara Seismi

GIRL Giralila, MORW Morawa

NWAO Narrogin (SRO), NWAO Narrogin (SRO)

KSRS Koroit, KSRS Koroit

ENH Enshi, ENH Enshi

PETK Petropavlovsk, PETK Petropavlovsk

SHEM Shemya Is, SHEM Shemya Is

VNDA Vanda, VNDA Vanda

VNDA Vanda, VNDA Vanda

MKAR Makanchi Array, MKAR Makanchi Array

ILAR Eielson Array, ILAR Eielson Array

KURBB Kurchatov Arra, KURBB Kurchatov Arra

QSPA South Pole 03, QSPA South Pole 03

MAW Mawson, MAW Mawson

BVAR Borovoye Array, BVAR Borovoye Array

GERES GRESS Array B, GERES GRESS Array B

LPAZ La Paz, LPAZ La Paz

BDFB Brasilia, BDFB Brasilia

IDC 16 13:29:59.0±1.0, 26°07'N-129°15'E, h0km, mb3.7/9, mbtmp3.8/11, ML4.0/2, MS3.5/6, Error ellipse: s-maj=31.0km s-min=15.9km az=66.0

JMA 16 13:30:00.0±1.0, 26°20'N-129°55'E±0°07', h45km, MV4.0/18, NEAR/JANNAI-DAITOUJIMA

ISC 16 13:29:58.4±1.6, 26°20'N-129°46'E±0°03', h5km, 10km, n32, c2504/43, mb3.7/8, MS3.7/5, Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JYRO Yoronijima, JYRO Yoronijima, JOW Kunigami, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like RCBR Riachuelo, IGPR Interuniversit, and many others.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SSPA Standing Stone, N58A Sunbury, and many others.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LDAQ Lac Daran, OGNE Ogallala, and many others.

Table with columns for station ID, name, frequency, class, mode, and coordinates. Includes stations like QSPA South Pole Qui, YMR Madison River, YHL Heblgen Lake, etc.

Table with columns for station ID, name, frequency, class, mode, and coordinates. Includes stations like MTE Manteigas, YUK6 Moose Creek, G31M Satah River, etc.

Table with columns for station ID, name, frequency, class, mode, and coordinates. Includes stations like MESA MESA, YUK3 Moose Creek, G31M Satah River, etc.

16d 14h

2019 MAY

900

Table with columns for station ID, name, coordinates, elevation, and various signal quality metrics (P, D, S, etc.). The table lists numerous stations across the region, including Cooper Landing, Harding Lake, Palmer, Sheenjek River, and many others, ending with WAKE ISLAND stations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Gunungsitoli, HongShan, Mapaga, Tiansi, LAGH, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GUMJ, GUMK, PCSI, PACITAN, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CHIANG MAI, LEIGH CREEK, MOUNT SUKRE, etc.

TAP 16:14:36.03 0.24 83N:122.30E, h8km, ML3.0, D JMA 16:14:36.04 0.1.24 7N:0.7:122.3E:0.3, h47km, 2km, MVZ:3/1, TAIWAN REGION

ISC 16:14:36.03 4.0.3, 24.82N:0.02:122.32E:0.02, h16km, 7km, n65, n061/104, 103, Taiwan region

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EGGS, TWB1, EOSE2, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CNJI, SKJI, TNG, WBSI, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BRDH, CMSA, H08S3, etc.

DJA 16:14:39:02.0.9 5.2:11.2E, h53km, 4km, M4, 8/46, mb5.0/46, mb5.2/22, MLv5.0/26, Mw(m)B4.7/22, NEIC 16:14:39:02.5:1.7, 8.9S:0.1:112.52E:0.07, h87km, 7km, mb4.7/29, Error ellipse: s-maj=15.7km s-min=9.1km az=199.0

AS01 Alice Springs 25.26 128 P P 14 44 23.7 +1.5 FORT Warakuta 26.22 149 P P 14 44 33.2 +2.6 QIS Mount Isa 28.65 17 P P 14 44 44.2 +1.8 OOD Oodnadatta 28.88 134 P P 14 44 56.5 +2.0 CMAR Chiang Mai Arr 30.24 334 P P 14 45 06.0 -0.7

ASAR Alice Springs 25.23 128 P P 14 44 22.2 +0.4 ASAR 2.3:4nm, 0.5s, baz=303, slow=8.3, SNR=34 ASAR 2.2:0nm, 0.7s, baz=313, slow=1.3, SNR=6.2 ASAR 2.2:0nm, 18.5s, baz=296, slow=39 ASAR 2.3:4nm, 0.5s

16d 15h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BELA Belgrano 2, AKASG Malin Array Be, FINES FINESS Array B, etc.

NNC 16 14:51:19.3:0.5,44.78N;-80.06E,h0km,mb3.6,mpv3.6, Error ellipse: s-maj=3.5km s-min=2.5km az=85.0

SOME 16 14:51:19.9:1.4,48.83N;79.98E,h15km

ISC 16 14:51:19.6:1.2,44.80N;0.03-80.04E;0.04,h13km,9km, n40,c159/64,6C-4D,Kazakhstan-Xijiang border region

Main table of station data for the 16d 15h period, listing station codes, names, coordinates, phases, and times.

2019 MAY

Table of station data for 2019 MAY, including KST Kasek, TKM2 Tokmak 2, CHMS Chumysh, etc.

IDC 16 14:54:04.5:327.0,59.29N;27.80E,h0km, Error ellipse: s-maj=152.5km s-min=103.0km az=115.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like I43RU DUBNA INFRASON, I37NO I37NO, etc.

NEIC 16 14:55:04.0:2.0,11.7N;0.2-46.58E;0.06,h10km,2km, mb4.4/14, Error ellipse: s-maj=28.5km s-min=4.3km az=162.0

IDC 16 14:55:05.9:1.1,12.07N;46.30E,h0km,mb4.0/21, mbmp4.0/21,ML2.4/1,MS3.9/31, Error ellipse: s-maj=27.0km s-min=16.4km az=32.0

ISC 16 14:55:07.0:0.9,12.11N;0.1-46.32E;0.08,h10km,n59, c1843/41,mb4.2/27,MS3.9/32,Western Gulf of Aden

Main table of station data for the 2019 MAY period, listing station codes, names, coordinates, phases, and times.

902

Table of station data for 902, including HFS Hagfors, NOA NORSPAR Array B, SONM Songno Array, etc.

SJA 16 15:09:59.8:0.6,24.09S;66.61W,h168km,9km,ML3.6, MW3.3

GUC 16 15:10:01.6:0.5,23.94S;67.12W,h246km,9km,ML4.2

ISC 16 15:10:02.1:3.3,23.96S;0.04-66.63W;0.06,h181km,n29, c1818/16,2C,Jujuy Province

Main table of station data for the 902 period, listing station codes, names, coordinates, phases, and times.

IDC 16 15:18:03.7:0.6,2.91S;130.57E,h0km,mb4.1/15, mbmp4.2/19,ML4.4/3,MS3.5/8, Error ellipse: s-maj=26.7km s-min=13.4km az=75.0

NEIC 16 15:18:04.5:1.4,3.14S;0.08-130.45E;0.08,h8km,1km, mb4.4/39, Error ellipse: s-maj=12.8km s-min=10.7km az=49.0

DJA 16 15:18:07.0:0.4,3.52S;133.0E,h13km,3km,ML4.5/15, mb5.2/5,mb4.5/14,MLV4.4/15,MW(MB)4.5/5

ISC 16 15:18:07.1:0.3,2.97S;0.04-130.46E;0.03,h24km,n108, c1844/108,mb4.3/32,MS3.5/5,Seram

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MSAI Masohi, BNDI Bandanaira, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Ransiki, Sanana, Cibinong, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Nori'sk, Mawson, Bethel, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Hanford, Newport, Wahluke, etc.

16d 16h

Table of station data for the 16d 16h section, including columns for station name, coordinates, and various parameters like SNR and error rates.

2019 MAY

Main table of station data for the 2019 MAY section, including columns for station name, coordinates, and various parameters like SNR and error rates.

904

Table of station data for the 904 section, including columns for station name, coordinates, and various parameters like SNR and error rates.

Additional technical details and notes for the 16d 16h section, including station IDs and specific data points.

16d 16h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like PEDA3 Pedasi, CNTA3 Canitas, CAPC Capurgana, etc.

2019 MAY

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like BANI BANI, 451A Vernon, SDD Santo Domingo, etc.

906

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like X58A Rowland, KM5C Kings Mountain, TKL Tuckaleechee C, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like ANMO Albuquerque, HDIL Hopedale, ACSSO Alum Creek Sta, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like PFO Pinyon Flats O, PFO Pinyon Flats O, PFO Pinyon Flats O, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like HATC Blue Mountains, BMO Blue Mountains, PB14 IPEC Station P, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like PMNB Patos De Minas, NBPB Pedra Branca-C, FRTB Fartura, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like WHY Whitehorse, WHY Whitehorse, FARO Faro, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like G30M Atoh Zraii Nji, RAGM Ragged Mountai, UPNV Upernavik, etc.

Table with 4 columns: Station ID, Name, Frequency, and other technical details. Includes stations like SLKM Skilak Lake, D27M Malcolm River, ILAR Eielson Array, etc.

Table with 4 columns: Station ID, Name, Frequency, and other technical details. Includes stations like CHUM Lake Minchumini, E24K Your Creek, G23K Banara Creek, etc.

Table with 4 columns: Station ID, Name, Frequency, and other technical details. Includes stations like XMAS Kiritimati, E21K Killik River, E21K Kili River, etc.

16d 16h

Table of station data for 16d 16h. Columns include station name (e.g., ANM, M1K1, LIS), frequency, time, and signal quality indicators (e.g., P, P, 16 33 39.8 +0.6).

2019 MAY

Table of station data for 2019 MAY. Columns include station name (e.g., PMSA, Palmer Station, Adak), frequency, time, and signal quality indicators (e.g., eP, P, 16 34 15.2 +1.8).

910

Table of station data for 910. Columns include station name (e.g., FAUS, Fauke, FAUS), frequency, time, and signal quality indicators (e.g., eP, P, 16 34 35.8 +0.5).

16d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like DZA Taraz, DL2 Dalian, IUG luzhny, etc.

2019 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like LYN SS AMB, LYN comp=Z,250nm,3.9s, etc.

912

Table with columns for station name, frequency, power, and other technical details. Includes stations like TNCH comp=Z,590nm,21.6s, FORT Forest, etc.

CATAC 16 16:28:36.6.0.3 13°12'N x 8°7'W, h39km, 4km, M5.1/42, MUV: 14/2. Error ellipse: s-maj=5.2km s-min=1.5km az=69, confirmed

Table with columns: Station Name, Frequency, Mode, and other details. Includes stations like LCND La Caada, RANC El Ranchito, and many others.

Table with columns: Station Name, Frequency, Mode, and other details. Includes stations like THIG IAML, PARI1A Puntarenas Pro, and many others.

Table with columns: Station Name, Frequency, Mode, and other details. Includes stations like V12A Iamb, BUKO Buck Lake, and many others.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MOMN Momotombo, LFRS El Faro, ASEN El Sauce Leon, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, MSAI Masohi, BNDI Bandanaria, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MAKZ Makanchi, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like IDC 16:51:40.6z, DUA 16:17:04.0z, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ASOI Alice Springs, WRKA Warakura, LEM Lembar, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like GSKC Great Sitkin C, GSKC Great Sitkin T, ADK Adak, etc.

Table with columns: ILAR, H112, H113, H114, PDAR, ULM, SONM, TXAR, KURBB, MKAR, BVAR. Includes station names, coordinates, and times.

GCG 16 18:13:56.0.6, 12.68N, 88.05W, h69km, 13km, MD4.0
CATAC 16 18:13:56.9.9, 13.16N, 88.05W, h31km, 7km, M3.4/8,
MLV3.4/8, Error ellipse: s-maj=14.2km s-min=4.5km
az=30.8, confirmed

ISC 16 18:13:56.1.8, 12.54N, 0.09, 88.05W, h0.05, h50km, n25,
o=48/28, Off coast of central America

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like Cosiguina Volc, Potosi Cosigui, etc.

IDC 16 18:18:43.6.1.8, 55.63N, 164.00E, h0km, mb3.3/2,
mbmp3.3/3, ML2.9/1, Error ellipse: s-maj=105.4km
s-min=25.7km az=147.0

KRSC 16 18:18:45.0.1.2, 54.79N, 164.50E, h41km, 25km, M3.7
ISC 16 18:18:45.3.1.5, 55.13N, 0.07, 164.41E, h19km, 4km,
n41, i=167/50, Komandorsky Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like Bering, Krutoberegovo, Mys Kozlova, etc.

H112 WAKE ISLAND Hy 35.39 176 T 19 03 52.7
H113 WAKE ISLAND Hy 35.40 176 T 19 03 39.0
H114 WAKE ISLAND Hy 35.41 176 T 19 03 49.8

TXAR Lajitas Array 67.53 71 P 19 29 41.5 +1.2
0.2nm, 0.5s, baz=319, slow=6.9, SNR=1.9
0.2nm, 0.5s

NEIC 16 18:19:47.1.0.7, 35.10N, 0.01, 96.30W, 0.02, h5km, 1km,
Error ellipse: s-maj=3.0km s-min=2.8km az=107.0
NEIC 16 18:19:46.8.0.9, 35.00N, 0.01, 96.29W, 0.01, h5km, 1km,
mb_Lg3.3/107, ML3.3/20, ML3.2/22, Error ellipse:
s-maj=2.9km s-min=2.5km az=136.0, Oklahoma

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like Depew, Leonard, Franklin, etc.

Main table with columns: ADOK, OK004, QUOK, BCOCK, LOOK, X34A, RLO, BLOK, Z35A, Z35A, CROK, U38A, WMOK, Z38A, HHAR, KAN17, MIAR, KAN14, KAN01, FW03, KAN12, ELIS, FW14, X40A, WLAR, Z37A, UALR, WHAR, Z41A, ABTX, R32A, 435B, AMTX, R40A, CBKS, T42A, 143A, CCM, P38A, JCT, MSTX, FVM, OXF, Y45A, HALT, OZNA, GLICK, SLM, S44A, SIUC, KSC0, USIN, T47A, S30C, KDBC, Q24A, P46A, ECSD, ISCO, BLO, SFIN, I37A, SUSD, I40A. Includes station names, coordinates, and times.

IDC 16 18:20:40.8.1.2, 4.77S, 130.09E, h0km, mb3.7/5,
mbmp3.7/8, ML3.9/3, Error ellipse: s-maj=43.5km
s-min=22.5km az=81.0
DJA 16 18:21:02.1.0.2, 5.3S, 133.0E, h195km, 5km, M4.1/13,
mb4.7/3, mb4.0/11, MLV4.2/19, MW(MB)3.9/3
ISC 16 18:21:05.0.6, 5.41S, 130.05E, 0.05, h200km, n33,
o=25/41, mb3.4/5, Banda Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like BNDI, MASOI, AAI, FAKI, FAKI, FAKI, NLAJ, NLAJ, KMP1, KMP1.

Table with columns: SWI, SANI, RKPI, BAKI, MTN, KDU, EDFI, TOLIZ, WBSI, PLAI, FITZ, WRA, WRA, KMMI, ASAR, ASAR, MBWA, PSAAO, CMAR, MJAR, PETK, MKAR, KURBB. Includes station names, coordinates, and times.

SNET 16 18:32:17.8.1.0, 12.57N, 88.08W, h30km, 14km, ML2.6
CATAC 16 18:32:18.0.0.5, 13.14N, 88.08W, h35km, 4km, M2.9/12,
MLV2.9/12, Error ellipse: s-maj=8.6km s-min=2.6km
az=25.6, confirmed, Off coast of central America

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like Cosiguina Volc, Potosi Cosigui, Conchagua, etc.

NEIC 16 18:59:34.4.0.9, 47.7N, 0.1, 129.0W, 0.1, h10km, 2km,
ML2.7/10, Error ellipse: s-maj=20.4km s-min=13.2km
az=211.0
IDC 16 18:59:38.1.2.4, 47.75N, 128.85W, h0km, mb3.5/2,
mbmp3.3/8, ML3.0/5, MS3.2/3, Error ellipse: s-maj=48.7km
s-min=16.5km az=67.0

ISC 16 18:59:41.9.1.4, 47.98N, 0.07, 128.4W, 0.1, h10km, n14,
o=193/14, Off coast of Washington

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like OZB, HOLB, CBB, CBB, CLRS, CLRS, CLRS, NLWA, NLWA, NLWA, BBB, YBH, YBH, ELK, NVAR, PDAR, YKA, ILAR, ULM, ULM.

TXAR Lajitas Array 26.63 125 P 19 05 21.0 +0.3
comp=N,0.4nm,0.8s,baz=318,slow=7.3,SNR=8.8
comp=N,0.4nm,0.8s

JMA 16 19:07:31.0.0.2.36:9N.0.8:135:0E.0.7,h372km,1km,
MV3.3/35,NW OFF KINKI DISTRICT
IDC 16 19:07:31.1.1.0.36:91N.135:02E,h374km,10km,
mb3.3/15,mbmtpp.0/21,Error ellipse: s-maj=16.6km
s-min=10.4km,az=75.0

ISC 16 19:07:30.8.0.6.36:97N.0.07:135:11E.0.06,h371km,6km,
n53,+f18/64,mb3.6/15,Sea of Japan

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like Kaga, Yasaka, OKI, Hegura jima, Wachi, Suzu, Yamagataniai, Inu, Kuroka, Matsushiro, Matsushiro, Matsushiro Arr, Saijo, Sado, Sado, Koyua, ShimaneMisato, Ise, Tanabekakech, Tohyohira, Ryogami san, Onobe, TONANKAI O.B.S., Odawara 2, Tosashimizu, Marumori, Nakatsue, Inohoseki, Boso, Inohoseki, Ise, Korea Array, Chichijima, Tenmabayashi, KLR, Songino Array, TIKSI, Zalesov Beam, MKAR, Kurchatov Arr, BVAR, ILAR, WRA, ASAR, ARCES, FINES, AKASG, HFS, NB2, NOA, EKA.

IDC 16 19:38:54.3.1.4.9:83N.126:50E,h0km,mb3.9/10,
mbmtpp.3/9/10,MS3.0/3,Error ellipse: s-maj=153.4km
s-min=19.7km,az=70.0

ISC 16 19:39:00.2.1.4.9:8N.0.4x:127E.2, h42km, n16,+f08/110,
mb3.8/10,Mindanao

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like DAV, TGy, GUMO, WRA, ASAR, H1N1, H1N2, H1N3, SONM, MKAR, KURBB, BVAR, ARCES, FINES, HFS.

0.8nm,0.4s,baz=75,slow=6.3,SNR=5.6
0.8nm,0.4s
NORSAR Array B 93.26 334 P 19 52 09.8 -0.4
0.5nm,0.7s,baz=63,slow=4.7,SNR=3.7
0.5nm,0.7s

IDC 16 19:46:08.9.3.2.47:87N:128:75W,h0km,mb3.4/1,
mbmtpp.3/2.4,ML3.5/2,MS3.0/4,Error ellipse:
s-maj=62.2km s-min=25.7km,az=56.0,Off coast of
Washington

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like NEW, PDAR, YKA, ILAR, TXAR, YKA, SADO.

IDC 16 19:54:54.4.7.4.4:33S:152:22E,h0km,mb3.5/3,
mbmtpp.3.5/3,Error ellipse: s-maj=168.2km
s-min=59.8km,az=173.0,New Britain region

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

NEIC 16 20:07:35.9.1.5.56:2S.0:1x:27.4W:0.3,h102km,4km,
mb4.2/9,Error ellipse: s-maj=24.0km s-min=16.7km
az=46.0

IDC 16 20:07:35.5.9.1.56:17S:27:23W,h100km,82km,mb3.5/4,
mbmtpp.0/5,ML4.2/3,Error ellipse: s-maj=39.6km
s-min=25.8km,az=62.0

ISC 16 20:07:36.7.0.7.56:3S:0:1x:27.7W:0.1,h112km,n41,
+f101/42,mb4.0/5,3d, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like HOPE, HFOE, SNA, SNA, TROLL, QSPA, GSPA, MAW, MAW.

PB03 46.03 300 P 20 15 49.5 +0.3
VNDA Station P 46.33 183 P 20 15 52.2 +1.6
VNDA 46.33 183 P 20 16 16.3

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like G001, PB16, LPAZ, LPAZ, TOR, TOR, FINES, YKA.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like H31M, F31M, G31M, M29M, INK, I30M, G29M, I28M, E29M, B29M, K27K, H27K, I26K, IRDG, EMBAR, ILAR, F25K, E25K.

IDC 16 20:10:07.2.2.8.4:13S:152:04E,h0km,mb3.3/3,
mbmtpp.3/3,Error ellipse: s-maj=249.0km
s-min=31.7km,az=126.0,New Britain region

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

GCG 16 20:23:09.3.1.0.12:66N:88:05W,h59km,23km,MD4.0
CATAC 16 20:23:09.4.0.4.13:NL.3:8W,h38km,5km,ML3.0/5,
MLV.3/18,Error ellipse: s-maj=7.5km s-min=2.2km
az=24.5,confirmed

SNET 16 20:23:12.4.3.1.12:67N:88:05W,h52km,ML3.7
ISC 16 20:23:09.1.1.4.12:59N:0.07:88:05W,0.04,h59km,15km,
n53,+f51/62,Off coast of central America

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like CSGN, POTN, POTN, CNCH.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like CNCH, LCND, RANC, RANC, CNRM, PACA, CRIN, CRIN, HERN, HERN, TECO, TECO, POLN, CHOHN, CHOHN, PLRN, LUESV, LUESV, SCLA, SCLA, COEG, ILCN, ILGN, CNGA, CNMG, CNMG, CNMG, MOMN, MOMN, LOMA, LOMA, LOMA, TGUH, TGUH, PMON, PMON, JAYA, JAYA, JAYA, YUSH, YUSH, LLGN, LLGN, COMNH, RCVN, RCVN, MATN, MATN, MATN, NUBE, NUBE, NUBE, NUBE, MTO3.

IDC 16 20:28:02.1.3.5.5:32S:153:03E,h0km,mb3.6/3,
mbmtpp.3.6/3,MS3.5/1,Error ellipse: s-maj=89.6km
s-min=38.6km,az=103.0,New Ireland region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like WRA, ASAR, JNU, CMAR, TOR.

GRAL 16 20:37:08.5.1.0.35:86N:39:83E,h7km,37km,MD4.0
ISK 16 20:37:14.9.3.5:99N:39:26E,h23km,ML3.1/10
AFAD 16 20:37:15.7.36:10N:38:99E,h32km,1km,ML3.0
ISC 16 20:37:13.5.1.5.36:04N:0:04:39:01E.0:04,h7km,11km,
n38,+f18/69,Jordan-Syria region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Lists stations like SURC, SURC, SURC, SURC, SANL, SANL, SANL, SANL, URFA, URFA, NZIP, NZIP, NZIP, ATAB, ATAB, ATAB, HANN, HANN, HANN, KUZU, KUZU, KUZU, GZT, GZT, GZT, GZT, GAZ, GAZ, NARI, NARI, NARI, AZEY, AZEY, AZEY, MARD, MARD, MARD, RHAN, RHAN, RHAN, KHMM, KHMM, KHMM, AKCA, AKCA, AKCA, AKCA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HASA Hatay-Hassa-Ha, KAHM Kahrannanmaras, and AKCD Akcadag.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MJAR Matsushiro Arr, WRA Warramunga Arr, and MKAR Makanchi Arr.

SNET 16 20:42:20.45.7.1, 12.60N:88.22W, h16km, mb3.4/3, mbtmp3.4/4, ML2.91, Error ellipse: s-maj=214.3km s-min=31.5km az=75.0, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CSGN Cosiguina Volc, POTN Potosi Cosigui, and MTO3 Montecristo.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PPTF Pamatai, STKA Stephens Creek, WRO Warramunga Arr, and WBR Warramunga Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BRTR Keskin Array B, MMAL Mount Miron Ar, and GERES Geres Array B.

IDC 16 22:16:31.15.0.20.03S:174.77W, h0km, mb3.6/2, mbtmp3.6/2, MS3.7/1, Error ellipse: s-maj=763.6km s-min=46.3km az=143.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RPZ Rata Peaks, ASAR Alice Springs, ILAR Eielson Array, and BRTR Keskin Array B.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURK comp=Z,2.6nm,0.8s, ZAAO Zalesovo Array, and ZALV Zalesovo Beam.

SNET 16 22:30:45.3.9.8, 11.09N:89.09W, h40km, ML4.9, IDC 16 22:30:53.0.6.0, 12.29N:88.78W, h0km, mb4.1/17, mbtmp4.1/18, ML3.4/1, MS3.6/6, Error ellipse: s-maj=30.1km s-min=13.1km az=57.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ALJI Alcalda de J, LALI Alcalda de L, TECO Alcadia de Te, and RANC El Ranchito.

16d 22h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like MGAN Managua, COMHN El Horno, MAFN Magfor, etc.

2019 MAY

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like Y49A comp=Z,29nm,0.6s, GOGA Godfrey, WLAG White Oak Lake, etc.

918

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like S44A Carbondale, SIUC Southern Illin, CZSB Cruzeiro do Su, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other parameters. Includes stations like SPR3 Spring Creek 3, LPZAZ La Paz, I62A Tamworth, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other parameters. Includes stations like H31M Peel River, YUK3 Moose Creek, I30M Mount Dempster, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, Status, and other parameters. Includes stations like SKT Skwentna, SPCR Spurr Chakacha, P19K Ohi Pt, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like G19K Purcell Mounta, C21K Knifeflade Rid, B21K Ikpikpuk River, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SOR Soroa, JCT Junction City, HKT Hockley, etc.

GCG 16 22:43:08.3-1.7, 15.84N, 91.28W, h6km, mb17km, MD4.2, Mexico-Guatemala border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CCIG Comitán, COIG COIG, CSBK Kika Raxquin, etc.

East Pacific Rise

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PAYS Puerto Ayora, RAPA Rapa Nui, VA02 Isla de Pascua, etc.

IC 16 22:52:43.0-3.0, 4.63S, 105.85W, 0.05, h17km, n1200, i=1866/786, mb5.2/270, MS5.5/547, 14C-2D, Central

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ESJX Sierra Juarez, ESJX Nacodoches, NATX Nacodoches, etc.

16d 22h

2019 MAY

Table with columns for station call letters, location, elevation, and forecast data (e.g., 45.81 354 P P 23 01 04.5 -0.1). Includes stations like Toone Canyon, Boa Vista, Nancy, Pah Rah, etc.

Table with columns for station call letters, location, elevation, and forecast data. Includes stations like YFT, PDRB, J08A, P52A, Q5A4, SUSU, etc.

Table with columns for station call letters, location, elevation, and forecast data. Includes stations like M57A, D08A, F04D, F03A, DGMT, LUPA, etc.

Table with columns: Station, Frequency, Class, Power, Location, Date, Time, and other details. Includes stations like Flin Flon, Peaks-Kenny Pk, Valinhos, etc.

Table with columns: Station, Frequency, Class, Power, Location, Date, Time, and other details. Includes stations like Mount Kennedy, Mount Kennedy, Bancas Point, etc.

Table with columns: Station, Frequency, Class, Power, Location, Date, Time, and other details. Includes stations like Kodiak Island, Kodiak Island, Kodiak Island, etc.

16d 22h

Table with columns: Station ID, Name, Frequency, Class, Mode, Date, Time, and other parameters. Includes stations like EPYK Eagle Plains, ILSW Iliamna South, J26L Joseph Creek, etc.

2019 MAY

Table with columns: Station ID, Name, Frequency, Class, Mode, Date, Time, and other parameters. Includes stations like BWN Browne, PPLA Purkeypile, COLA College, etc.

924

Table with columns: Station ID, Name, Frequency, Class, Mode, Date, Time, and other parameters. Includes stations like J20K Novinta River, A36M Sachs Harbour, D27M Malcolm River, etc.

Table with columns: Station Name, Frequency, Class, and various parameters. Includes stations like HUHO, SSUB, LUWI, TPUB, BRVK, BVAR, BTO, KIV, KBZ, KNMB, KURK, MAK, AKT, HKPS, ENH, GTA, WMQ, CD2, QIZ, QIZ, QIZ, QIZ, QIZ, GOMU, KSH, KSH, KSH, GAR, SIMJ, PZH, PZH, PZH, KMI, KMI, RAYN, MYKOM, LSA, SRNI, NIL, NIL, NIL, CHTO, CHTO, CHTO, CMAR, CMAR, CMAR, CMAR, DHRM, BKN1, BHK, GKM, JOSI, AZL, PTH, AGT, LDR, JMIU, SOHA, KUDL, KRKB, LHMI, CAL.

Table with columns: VAR, BOK, BND, KNTI, JHNI, PBA, JHGS, BLSP, BHUJ, BHPL, RAGD, NBP, AKL, VIS, PPO, HYB, KAD, KOD, TRD, NEIC, QUOK, QUOK, QUOK, DEOK, DEOK, ADOK, OK004, BCOK, TUL3, TUL3, BLOK, BLOK, FNO, FNO, T35A, T35A, T35A, CROK, CROK, KAN13, GC02, KAN17, KAN09, KAN14, KAN01, RLO, KAN10, KAN10, KAN08, CS7R, X34A, KAN12, NOKA, NOKA, U38A, LOOK, WMOK, WMOK, WMOK, ELIS, HHRF, WFFS, Z35A, R32A, SMWD, FW06, Z38A, Z38A, FW03, KSU1, KSU1, S39A, TREL, FW07, PLPT, X40A, CBKS, WHAR, FCAR, WLAR, WLAR, UALR, UALR, WHTX, Z37A, Z37A, AMTX, Z41A, R40A, P38A, NATX, LCAR, CCAR, T42A, CCAR, BCM, HARRIS, MXTX, FVM, BGNE, 143A, KSC0, KSC0, N38A.

Table with columns: JCT, OXF, T25A, Y45A, SCIA, K30B, PLAL, WVT, Q24A, L40A, ANMO, ANMO, V48A, X48A, L42A, I37A, JFWS, SUSD, EPT, I40A, L44A, RSSD, F33A, I42A, WRA, ASAR, TORD, TEH, KGS1, GLGR, IGHG, ILBA, KCHF, ILIN, IBDR, IBDR, IBDR, IKRK, IKRK, IKRK, BHD, BHD, SNQR, IBZA, IKFM, GII, GRAL, PARAL, PARAL, PARAL, PARAL, BHL, MVOU, MVOU, MVOU, HWQ, HWQ, DQRL, ZAHZ, CSS, CSS, CSS, BEIL, BEIL, ASGA, ASGA, ASGA, QRWL, SHBA, KCHF, FHTI, HNTI, HNTI, HNTI, NATI, NATI, GEM, GEM, GEM, APOL, APOL, MAA0B, MAA0B, TROD, TROD, TROD, TROD, NATA, NATA.

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

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

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

IDC 16 23:41:28.6:1.2, 7.46N, 94.33E, h0km, mb3.7/11, s-min=21.1km az=54.0

ISC 16 23:41:32.4:1.3, 7.5N, 94.3E, h2km, n18, o=41/11, mb3.9/11, Nicobar Islands region

NEIC 16 23:49:27.9:1.5, 14.39S, 0.06:70.95W, 0.09, h32km, 6km, mb4.5/75, Mw1.4/11, Error ellipse: s-maj=12.3km

ISC 16 23:49:27.6:0.4, 14.34S, 0.05:70.87W, 0.07, h35km, n129, o=1202/125, mb4.4/37, Central Peru

PLCA Paso Flores 26.29 179 P P 23 54 59.6 +0.4

PLCA Paso Flores 26.29 179 P P 23 54 57.4 -2.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like H08S3, H08S2, H08S1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like LPAZ, PB18, PB16, etc.

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

SSNC 16 23:45:07.6:3.2, 19.77N, 75.80W, h11km, 12km, MD2.8, ML2.7, MW2.9

SDD 16 23:45:11.5:1.7, 19.97N, 75.62W, h15km, 8km, MD3.1, ML2.6, MW2.9

ISC 16 23:45:06.0:0.8, 19.82N, 0.04:75.78W, 0.02, h10km, n21, o=214/36, Cuba region

FLOC Florencia 16.52 343 P Pn 23 53 17.8 +1.0

CPUB Villa Florida 17.40 135 P Pn 23 53 27.3 -0.5

SJYP San Joaquin 17.47 130 eP Pn 23 53 28.1 -0.5

BOZ Zalesovo Beam 70.11 331 P P 00 00 36.6 +0.1

NEW Newport 74.65 330 P P 00 01 03.8 +0.4

GSPA South Pole Wiki 75.81 180 P P 00 01 10.3 +0.3

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

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

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

NMDO Nuevo Mundo 1.05 45 eP Pn 23 45 26.0 -0.3

BIO2 San Fabin de 22.25 181 P P 23 54 21.9 +0.6

NEIC 16 23:49:57.0:0.5, 35.993N, 0.008:96.81W, 0.02, h5km, 1km, Error ellipse: s-maj=2.9km s-min=2.1km az=91.0

17d Oh

Table with columns: Call Sign, Name, Mode, Frequency, Power, etc. Includes stations like DEOK, ADOK, OK004, TUL3, etc.

2019 MAY

Main table with columns: Code, Station Name, Az, AzP, Phase ID, Time, Res, etc. Includes stations like T47A, SFIN, TGY, etc.

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Table with columns: Call Sign, Name, Mode, Frequency, Power, etc. Includes stations like PB14, GO02, SLA, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like PAU, KDRTR, KDRTR, KDRTR, ASAK, ASAK, MTRV, MTRV, GRL, GRL, GRL, RUS, RUS, RUS, APC, APC, KRRM, KRRM, PEAOB, PEAOB, PETK, PETK, PETK, PET, PET, PET, UGLR, UGLR, KOK, KOK, KOK, AVH, AVH, AVH, KRER, KRER, KRER, KRX, KRX, SDRX, SDRX, NLC, NLC, GNL, GNL, SPN, SPN, SPN, KUR, KUR, KUR, KUR, KUR, MKZ, MKZ, MKNR, MKNR, SHO, SHO, SHO, YUK, YUK, YUK, TYV, TYV, TYV, TYV, TYV, TYV, YSS, YSS, YSS, UGL, UGL, NBR, NBR, KBT, KBT, AKK, AKK, BKI, BKI, BKI, ASAJ, ASAJ, ASAJ, ERM, ERM, JTM, JTM, SEY, SEY, SEY, KLR, KLR, KLR, KLR, USAOB, USAOB, USAOB.

Table with columns for station ID, name, coordinates, and status. Includes stations like MJAR, HEH, PSTR, YAK, YAK, YAK, BILL, KSRs, KSRs, GAMB, J14K, L14K, S12K, F15K, G15K, G16K, N14K, O14K, K15K, H16K, C16K, G16K, SDPT, J16K, D17K, S14K, L16K, C17K, E17K, G17K, F17K, M16K, N16K, J17K, L17K, F18K, C18K, M17K, H18K, G18K, N17K, O17K, L18K, J18K, C19K, F19K, N18K, T18K, M18K, H19K, D19K, D19K, E19K, E19K, J19K, J19K, Q18K, L19K, N19K, F20K, D20K, D20K, E20K, H1N12, H1N11, H1N13, K20K, K20K, B20K, J20K, J20K, P19K, ILSW, G21K, G21K, G21K, C21K, RED, RED, OHAK, F21K, F21K, E21K.

Table with columns for station ID, name, coordinates, and status. Includes stations like H21K, H21K, B21K, B21K, CAST, CAST, KDAA, A22K, STLK, H11S1, H11S3, H11S2, F22K, D22K, D22K, B22K, B22K, G22K, BPAW, BPAW, BPAW, KTH, KTH, CNPM, CNPM, E22K, E22K, SUA, TRF, COLD, COLD, COLD, G23K, G23K, G23K, D23K, D23K, H23K, H23K, I23K, I23K, I23K, C23K, C23K, E23K, E23K, NEA2, NEA2, NEA2, MCK, MCK, TOLK, TOLK, RND, RND, RND, RND, KNK, SML, D24K, D24K, WRH, WRH, E24K, E24K, H24K, H24K, C24K, C24K, C24K, CCB, CCB, F24K, F24K, F24K, POKR, POKR, POKR, HDA, ILAR, ILAR, ILAR, D25K, D25K, K24K, F25K, F25K, PRP, PRP, PRP, E25K, E25K, E25K, J25K, J25K, J25K.

17d Oh

Table with 5 columns: ID, Name, Az, El, Phase, Res. Rows include stations like Camden Bay, Burnt Mountain, Independent Ri, etc.

2019 MAY

Table with 5 columns: ID, Name, Az, El, Phase, Res. Rows include stations like Paulutak, Paulutak, Jennings River, etc.

930

Table with 5 columns: ID, Name, Az, El, Phase, Res. Rows include stations like Moosalm, Santik Quirin, Abta, etc.

ATH 17:00:22:44.8, 40:08N:19:84E, h10km, 1km, ML2.9/12, Internal solution by P. Lantziourakis. First location: ...

Table with 5 columns: Code, Station Name, Az, El, Phase ID, Time Res. Rows include stations like Sarande, Kerkira, Vlora, etc.

Table with columns: NKME, NIKSIC, 2.81 347, ePn, Pn, 00 23 31.3 +1.4, etc. Lists various station names and their associated data.

Table with columns: PMR, GHO, GHO, 0.40 69, S, Sn, 00 26 49.0 0.0, etc. Lists station names like GHO, GHO, GHO and their data.

Table with columns: P23K, P23K, 1.99 144, IAML, Pn, 00 27 07.8 +0.3, etc. Lists station names like P23K, P23K and their data.

BUT 17 00:26:32.1±2.3, 44°59'N, 0°03':114.31'W, 0.03, h7km, 5km, Error ellipse: s-maj=4.0km s-min=2.3km az=155.0

NEIC 17 00:26:31.2±2.0, 44°60'N, 0°02':114.31'W, 0.02, h5km±1km, ML2.8/44, ML3.4/20(BUT), Error ellipse: s-maj=4.1km s-min=2.9km az=340.0, Western Idaho

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, h, s, ISC, Time, Res. Lists station names like BCYI, BCYI, BCYI and their data.

Table with columns: M23K, M23K, 0.95 79, Pn, 00 26 51.8 -1.6, etc. Lists station names like M23K, M23K and their data.

Table with columns: M19K, M19K, 2.25 279, IAML, Pn, 00 27 10.7 -0.3, etc. Lists station names like M19K, M19K and their data.

IDC 17 00:26:33.0±0.9, 61°56'N, 149°53'W, h0km, mb3.5/4, mbmp3.5/9, ML3.3/5, MS3.5/2, Error ellipse: s-maj=18.1km s-min=9.9km az=108.0

NEIC 17 00:26:35.9±1.5, 61°65'N, 0°03':149.69'W, 0.05, h33km, 9km, Error ellipse: s-maj=3.9km s-min=3.8km az=159.0

AEIC 17 00:26:36.3±1.5, 61°63'N, 0°03':149.71'W, 0.05, h39km, 6km, ML3.6, ML3.7/226(NEIC), Error ellipse: s-maj=4.9km s-min=2.6km az=153.0

ISC 17 00:26:36.1±0.8, 61°63'N, 0°02':149.70'W, 0.02, h31km, 6km, n423, o888/426, mb3.6/4, Southern Alaska

Table with columns: M20K, M20K, 1.65 280, Pn, 00 27 02.6 -0.3, etc. Lists station names like M20K, M20K and their data.

Table with columns: RAGN, RAGN, 2.75 115, Pn, 00 27 17.3 -0.7, etc. Lists station names like RAGN, RAGN and their data.

Table with columns: M22K, M22K, 0.23 302, P, Pn, 00 26 48.7 +1.3, etc. Lists station names like M22K, M22K and their data.

Table with columns: DIV, DIV, 1.96 103, IAML, Pn, 00 27 06.2 -0.9, etc. Lists station names like DIV, DIV and their data.

Table with columns: O18K, O18K, 3.24 239, IAML, Pn, 00 28 21.7, etc. Lists station names like O18K, O18K and their data.

17d Oh

2019 MAY

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like O18K Koktuh Hills, M26K Nabesna, AK, J20K Nowinta River, etc.

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like KDAK Kodiak Island, P17K Kivach River, H23K Yukon River, etc.

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like COLD Coldfoot, H17K Granite Mounta, I28M Miner Creek, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include F30M, D27M, C18K, G31M, C19K, SIT, MIMPY, B22K, C17K, B20K, F31M, TNA, Q32M, B18K, INK, A22K, DLBC, YKA, NVAR, TXAR, ZALV, FINES, MKAR, QSPA.

NEIC 17 00:38:08.5-0.7, 35.993N, 0.007-96.80W, 0.01, h5km, 1km, Error ellipse: s-maj=2.5km s-min=1.5km az=52.0

NEIC 17 00:38:08.3-0.6, 35.977N, 0.005-96.79W, 0.01, h5km, 1km, mb, Lg, 5.3, ML2.6/36, ML2.5/27, Error ellipse: s-maj=2.5km s-min=1.6km az=10.0, Oklahoma

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include QUOK, DEOK, ADOK, T35A, CROK, KAN1, G02, KAN17, KAN09, KAN14, KAN01, KAN05, RLO, KAN08, CSTR, X34A, NOKA, U38A, LOOK, HWOK, H3AR, R32A, MIAR, X40A, WHAR, FCAR, WLAR, DKNS, AMTX, R40A, SN07, P38A, T42A, CCM, BRDY, P40A, PBMO, SGCV, FVM, JCT, ANMO.

IDC 17 00:39:28.2-1.5, 37.75N, 67.41E, h0km, mb, 3.9/12, mbmp3.9/19, ML3.6/7, MS4.1/3, Error ellipse: s-maj=27.8km s-min=11.4km az=153.0

ISU 17 00:39:35.38-0.0N, 67.26E, h9km, NNC 17 00:39:37.4-3.5, 38.20N, 67.28E, h118km, 59km, mb, 3.3, mpV3.6, Error ellipse: s-maj=30.9km s-min=21.9km az=2.0

ISC 17 00:39:32.3-1.4, 38.06N, 0.07-67.34E, h16km, 6km, n40, c=216/51, mb, 3.9/10, MS4.1/3, 6C-2D, Southeastern

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include Uzbekistan, BAYS, PKFM, AGL, SAM, BXML, DXML, DZI, NUT, NZBK, CHRV, FRG, KAK31, AAK, TKM2, AB31, AKTO, MK31, MKAR, KURBB, BVAO, BVAR, ARTI, KBZ, BELG, ZALV, BRTR, FINES, ARCES, HFS, NB2, NOA, SPITS, KEST, EKA, ESDO, TORO, RES, YKA, NEW, CATAC, SNET, LCON, CDSN, POTN, CNCH, CNCH, CNCH, LCON, LCON, LCY, BLLM, RANC, PACA, PACA, CRIN, CRIN, TECO, TECO, HERN, POLN, PLRN, SCLA, SCLA, CNGA, CNCG, PAVA.

CATAC 17 00:48:17.8-0.4, 13.1N, 4.8W, h38km, 5km, M3.5/19, MLV3.5/19, Error ellipse: s-maj=8.2km s-min=2.5km

SNET 17 00:48:18.4-0.5, 12.63N, 88.13W, h28km, 5km, ML3.4, ISC 17 00:48:16.8-1.6, 12.54N, 88.07W, 0.04, h2km, 13km, n50, c=58/54, Off coast of central America

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include LCON, LCY, BLLM, RANC, PACA, PACA, CRIN, CRIN, TECO, TECO, HERN, POLN, PLRN, SCLA, SCLA, CNGA, CNCG, PAVA.

Table with columns: LFRS, E1, F1, 1.45 318, eP, Pn, 00 48 41.3 +0.2. Rows include COPN, MOMN, LOMA, LOMA, LOMA, SAPS, SAPS, BOQS, PMON, PMON, JAYA, JAYA, LAMY, LAMY, CEVE, CEVE, RCVN, RCVN, MATN, MATN, NEUBE, NEUBE, RUCN, RUCN.

NEIC 17 00:52:45.4-2.7, 37.28N, 0.02-114.91W, 0.01, h5km, 1km, Error ellipse: s-maj=3.1km s-min=2.9km az=195.0

REN 17 00:52:44.3-2.8, 37.32N, 0.01-114.86W, 0.02, h0km, 2km, ML2.5/6, ML2.4/20, Error ellipse: s-maj=2.7km s-min=1.7km az=90.0, Southern Nevada

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include S11A, S11A, S11A, S11A, SHPR, SHPR, SHPR, CPY, MCY, TPNV, R11B, R11B, R11B, NSP, LCMT, SDH, AMDNV, PSUT, PSUT, V12A, V12A, V12A, KNB, SPR3, SPR3, SGV, GUY, GUY, GMN, GMN, GMN, TPH, GRAC, MZP, LCH, U15A, U15A, U15A, MVU, DSP, DSP.

NEIC 17 00:54:11.9-1.2, 21.51N, 0.07-143.22E, 0.04, h29km, 6km, mb, 4.3/230, Error ellipse: s-maj=10.7km s-min=5.3km az=188.0

IDC 17 00:54:11.0-1.2, 21.51N, 143.22E, h29km, 11km, mb, 3.8/31, mb, 4.5/35, Error ellipse: s-maj=12.5km s-min=7.4km az=88.0

ISC 17 00:54:12.3-0.3, 21.53N, 0.04-143.24E, 0.07, h31km, n497, c=0592/472, mb, 4.3/161, 11D, Mariana Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Rows include JCJ, JCJ, JCJ, GUMO, GUMO, GUMO, JMJ, JMJ, JMJ, JHJ, JHJ, JHJ, JMN, JMN, JMN, JMN, MAJO, MAJO, MAJO, MAJO, MAJO, MAJO, JNU, JNU, JNU, JMM, JMM, JMM, JMM, KSAR, KSAR, KSAR, MYLDM, MYLDM, KLR, KLR, TOLIZ, TOLIZ, TOLIZ, KKM, KKM, KKM, HHC, HHC, HHC.

17d Oh

Table with columns for station ID, name, coordinates, elevation, and other technical details. Includes stations like HHC, SBUM, MTN, PZH, SONM, KNRA, CMAR, SEY, WBO, WR8, WRAB, WRA, FITZ, KIWZ, ADK, KULM, ASAR, NIKH, MBWA, PSA00, BILL, GSI, SPIA, PO8K, UNV, LVA, AKUT, WMQ, TIXI, EVN, GAMB, M11K, S12K, STK1, SDPT, M13K, K13K, CNBA, CHNA, FORT, S14K, O14K, N14K, L14K, ZALV, M14K, BBOO, J14K, MKAR, O15K, L15K, M15K, MAKZ, N15K, K15K, G15K.

2019 MAY

Table with columns for station ID, name, coordinates, elevation, and other technical details. Includes stations like F15K, H16K, P16K, N16K, O16K, M16K, J16K, G16K, H17K, CHIR, C16K, O17K, L17K, N17K, J17K, Q17K, M17K, G17K, D17K, H17K, F17K, ACHA, E17K, C17K, Q18K, S11, N18K, P18K, R18K, L18K, O18K, M18K, H18K, E18K, F18K, KURK, J18K, G18K, KURBB, TTA, OHAK, C18K, O19K, B18K, N19K, Q19K, L19K, NRIK, M19K, J19K, KDAK, KDAK, KDAK, P19K, P19K, F19K, F19K, KDJ, G19K, H19K, H19K, Q20K, SYI, C19K, C19K.

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Table with columns for station ID, name, coordinates, elevation, and other technical details. Includes stations like L20K, E19K, K20K, D19K, D19K, M20K, J20K, J20K, I20K, H20K, SPCR, F20K, BOOM, BOOM, CNPM, CNPM, E20K, D20K, CAPN, SKT, CAST, CHUM, B20K, G21K, G21K, SUA, H21K, H21K, F21K, F21K, I21K, C21K, E21K, E21K, BPAW, BPAW, RC01, RC01, AAK, B21K, TRF, TRF, H22K, F22K, G22K, A22K, D22K, D22K, E22K, PWL, PWL, PWL, KNK, B22K, SML, MCK, I23K, I23K, NEA2, G23K, H23K, H23K, COLD, ARSB, ARSB, D23K, D23K, GLI, SCM, E23K, E23K, HIN, C23K, TOLK, TOLK, TOLK, H24K, H24K, POKR, HDA, E24K, E24K, M24K, ILAR, ILAR, EYAK, KLU, KLU, KLU.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Rows include D24K Happy Valley, F24K Squaw Lake, G24K Hadweencic Riv, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Rows include M29M Somme Creek, Y29M Somme Creek, D28M Stokes Point, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Rows include KBO Bosley Butte, BUCK Buck Mountain, I04A Tendick Farm, etc.

comp=4.6nm,0.5s,baz=345,slow=3.0,SNR=30
SAML Samuel 151.66 68 PKPbc PKPbc 01 13 31.1 +0.2
SAML 01 13 30.0 -0.9

SJA 1701:09:04.9-0.6,36:85Sx72:39W,h33km,3km,ML3.8,
MW3.7
NEIC 1701:09:08.4-1.5,36:92S,0:04-71:98W,0:05,h89km,7km,
mb4.4/6,Mwr4.3(GUC),Error ellipse: s-maj=8.0km
s-min=2.5km az=137.0

GUC 1701:09:09.0-0.7,36:95S:71:95W,h82km,4km,ML4.3
ISC 1701:09:08.4-0.8,36:93S:0:03-72:01W,0:05,h83km,7km,
n65,r139/86,1D,Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their data points.

NORS 1701:19:08.5,44:01N,42:92E,h15km,MPVA4.5
DRS 1701:19:11.2,44:05N,43:06E,h20km
ISC 1701:19:08.0-0.8,44:04N,0:02-42:98E,0:01,h8km,5km,
n106,r192/171,10C-9D,Western Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their data points.

DGRG David-gareji 3.13 145 ePn Pn 01 19 59.6 +1.9
BUJR Buynaks 3.24 111 ePn Pn 01 20 00.5 +1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their data points.

NNC 1701:33:59.2-5.6,36:99N,71:65E,h16km,125km,mb4.2,
mp3.9,Error ellipse: s-maj=119.3km s-min=18.7km
az=1.0

IDC 1701:34:02.0-4.2,36:87N,72:21E,h82km,37km,mb3.3/9,
mtb3.6/14,MS3.5/1,Error ellipse: s-maj=28.9km
s-min=19.2km az=10.0

ISC 1701:33:57.3-1.0,36:71N,0:09:72.0E,0:1,h35km,n31,
r181/33,mb3.5/9,5C-2D,Afghanistan-Tajikistan border
region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their data points.

TIF 1701:19:06.6,44:08N,43:00E,h12km,1km
MOS 1701:19:08.2,44:02N,42:94E,h11km,MPVA4.6,FELT
I=II-IV MSK at Pyatigorsk, Yessentuki, st.
Yessentukskaya, I=III MSK at Mineralnyye Vody, Pyatyki
kilometr, Zmeyka, I=III MSK at Inozemskoye,
Zheleznovodsk, I=II MSK at Lemontov

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include AKTO Aktyubinsk, ZALV Zalesovo Beam, GNI Gani, ARTI Arti, BRTR Keskin Array B, FINES FINESS Array B, HFS Hagfors, NB2 NORSAR Subarra, NOA NORSAR Array B, DAVOX Davos/Dischmat, TORD Torodi Arr. Bea, YKA Yellowknife Arr, WRA Warramunga Arr, ASAR Alice Springs.

IDC 17 01:38:24.5:2.1, 46:67N; 155:73E, h0km, mb3.7/9, mltmp3.6/10, ML2.6/1, Error ellipse: s-maj=54.8km s-min=22.9km az=1.0

ISC 17 01:38:28.0:1.7, 46:39N; 0:2x155:73E, 0:1, h18km, n11, +f16/11, mb3.8/9, East of Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include PETK Petropavlovsk-6, SHEM Shemya Is, ILAR Eielson Array, MKAR Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array, NVAR Mina Array Bea, FINES FINESS Array B, NOA NORSAR Array B, HFS Hagfors, TXAR Lajitas Array.

NNC 17 01:41:38.2:9.5, 41:54N; 84:08E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=73.8km s-min=60.5km az=2.0

SOME 17 01:41:41.2, 41:17N; 83:45E, h10km

ISC 17 01:41:36.7:4.0, 41:11N; 0:2x83:5E, 0:2, h10km, n10, +073/14, 1C-20, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include KTMS Ketmen, SHLS Shalkode, PDGK Podgornoye, DJR Jarkent, KPKS Kokpek, TNSS Tian-Shan, CHSK Chushkaly, CHKK, MK31 Makanchi Array.

IDC 17 01:45:43.4:2.4, 7:13S; 128:83E, h0km, mb3.4/1, mltmp3.5/4, ML3.6/3, Error ellipse: s-maj=102.7km s-min=30.0km az=75.0, Banda Sea

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

IDC 17 01:46:37.8:0.7, 48:07N; 155:15E, h0km, mb3.8/19, mltmp3.9/23, ML3.2/4, MS3.6/17, Error ellipse: s-maj=20.7km s-min=13.8km az=149.0

NEIC 17 01:46:39.6:1.0, 48:11N; 0:1x155:1E, 0:1, h10km, 1km, mb4.4/20, Error ellipse: s-maj=24.5km s-min=7.1km az=149.0

KRSC 17 01:46:39.6:2.5, 48:09N; 156:86E, h7km, 41km, ML2.4

MOS 17 01:46:41.2:1.9, 48:11N; 155:02E, h44km, mb4.4/6, Error ellipse: s-maj=10.8km s-min=4.3km az=69.8

SKHL 17 01:46:41.1:0.2, 48:00N; 155:20E, h65km, 4km, mb4.7/6

ISC 17 01:46:42.1:0.5, 48:05N; 0:07x155:14E, 0:07, h33km, n147, +f158/154, mb4.2/37, MS3.7/13, 3C-7D, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include SKR Severo-Kuril's, PAU Pauzhetka, KDR Khodutka, ASAK Asacha, MTRV Mutnovka, GRL Gorely, GMBP Gornobay, RUS Russkaya, APC Apache, KRCM Karymskiy, PEAOB Petropavlovsk, PETK Petropavlovsk, UGLR Uglovaya, KOK Koryaka, AVH Avacha, KUR Kuril'sk, SDLR Sedlovina, SDR Sedlovina, Arik, GNL Ganaly, SHO Shikotan, YUK Yuzh-Kuril'sk, MKZ Mys Kozlova, GLVR Golovino, NMR Nemuro-Hokkai, YSS Yuzhno-Sakhali, YSAJ Asahikawa, ASAJ Asahikawa, ERM Erimo, JTM Tenmabayashi, SHEM Shemya Is, KLR Kul'dur, KLR Kul'dur.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Rows include KLR Kul'dur, USRK Ussuriysk Arr, MAJO Matsushiro Arr, MJAR Matsushiro Arr, YAK Yakutsk, BILL Bilibino, BILL Bilibino, KRSR Korea Array, KRSR Korea Array, H1N1 WAKE ISLAND Hy, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, HNS HongShan, D20K Etiuvik River, HHC Hu-ho-hao-te, B20K Meade River, SONM Sonoma Array, B21K Ikpiupik River, B21K Ikpiupik River, B21K Ikpiupik River, E2AK Your Creek, ILAR Eielson Array, ILAR Eielson Array, D25K Kavik River, D25K Kavik River, HVT Zalesovo Beam, WMQ Urumqi, PZH PanZhihua, PZH PanZhihua, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, EUNU Eureka, EUNU Eureka, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, YKA Yellowknife Arr, YKA Yellowknife Arr, BVAR Borovoye Array, BVAR Borovoye, BRVK Borovoye, BRVK Borovoye, CMAR Chiang Mai Arr, J01E Myrtle Point, AAK Ala-Archa, AAK Ala-Archa, BLKN Baker Lake, BLKN Baker Lake, ARCS ARCES Array B, PDAR Pinedale Array, FINES FINESS Array B, FINES FINESS Array B, SFJD Kangerlussuaq, NB201 NORSAR Subarra, NB2 NORSAR Subarra, NOA NORSAR Array B, NOA NORSAR Array B, HFS Hagfors, OGNE Ogallala, WRA Warramunga Arr, KIV Kislovodsk, KIV Kislovodsk, GNI Gani, VHRN Van Horn, ASAR Alice Springs.

17d 2h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like APMT Aspermont, EKA Eskdalemuir Ar, TX31 Lajitas Ar, etc.

ASRS 17 01:57:17.0, 1.5, 53.74N:90.17E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 01:57:17.0, 1.5, 53.73N:89.53E, h0km, mbtmp3.0/2, M2.5/2, Error ellipse: s-maj=51.8km s-min=23.8km az=44.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H4690 ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

CATAC 17 01:57:47.8, 0.7, 13.13N:2.8W, h34km, gm, M3.2/18, MLv3.2/18, Error ellipse: s-maj=11.4km s-min=4.0km az=24.0, confirmed, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CSGN Cosiguina Volc, POTN Potosi Cosigui, etc.

CATAC 17 02:02:03.1, 0.3, 13.13N:2.8W, h35km, 4km, M3.3/25, MLv3.3/25, Error ellipse: s-maj=5.3km s-min=2.0km az=23.5, confirmed

SNET 17 02:02:05.0, 1.0, 12.73N:88.14W, h33km, 9km, ML2.9

ISC 17 02:02:03.1, 1.4, 12.56N:0.068807W, 0.03, h35km, n62, 0.051171, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CSGN Cosiguina Volc, POTN Potosi Cosigui, etc.

2019 MAY

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LOMA Loma Larga, PMON Piamonte, etc.

SJA 17 02:03:00.0, 0.8, 20.06S:69.12W, h104km, 4km, ML3.6, MW3.5

GUC 17 02:03:01.6, 0.7, 20.07S:69.23W, h94km, 3km, ML3.4

ISC 17 02:03:01.1, 1.7, 20.08S:0.046920W, 0.08, h88km, 9km, n17, 0.158/33, 1C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB08 IPOC Station P, GO01 Chusmiza, etc.

NEIC 17 02:18:36.7, 0.6, 35.99N:0.019680W, 0.01, h7km, 3km, Error ellipse: s-maj=1.6km s-min=1.5km az=179.0

NEIC 17 02:18:36.3, 0.5, 35.979N:0.0049681W, 0.01, h5km, 1km, mb_Lg2.3/13, ML2.2/32, ML2.3/20, Error ellipse: s-maj=2.6km s-min=2.0km az=167.0, Oklahoma

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like QUOK Quay, ADOK Arcadia Dam, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FG8 Yecopaca, Chim, FG16 Alotenango, Sa, etc.

VAO 17 02:28:48.2, 0.3, 1.36N:60.57W, h0km, mbr3.6

OSUNW 17 02:28:49.9, 0.3, 1.40N:60.54W, h0km, mbr3.57, Error ellipse: s-maj=2.1km s-min=3.3km az=0.0

ISC 17 02:28:50.3, 0.9, 1.42N:0.056037W, 0.08, h10km, n13, 0.151120, Brazil

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

SNET 17 02:33:33.5, 2.1, 12.58N:88.03W, h25km, ML4.3

UCR 17 02:33:33.6, 0.9, 13.37N:87.66W, h4km, 10km, MW4.2

CATAC 17 02:33:34.6, 0.2, 13.13N:2.8W, h38km, 4km, M4.2/22, MLv4.2/22, Error ellipse: s-maj=4.2km s-min=1.5km az=23.3, confirmed

GCG 17 02:33:35.8, 1.1, 12.73N:88.13W, h20km, 78km, MD4.3

ISC 17 02:33:39.1, 3.3, 12.60N:0.048803W, 0.02, h24km, 14km, n121, 0.1510137, 7C-2D, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CSGN Cosiguina Volc, POTN Potosi Cosigui, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RCVN Varilla2, MATN Matagalpa, KAN1 Matagalpa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CROK Carrier, GC02 Grant County #, KAN14 Manchester #, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM, WB0 Warramunga Arr, WR8 Warramunga Arr, etc.

IDC 17 02:41:12.2, 1.0, 59.79S; 26.12W, h0km, mb3.9/6, mbmp3.9/7, ML4.0/1, Error ellipse: s-maj=45.6km

s-min=22.3km az=70.0, NEIC 17 02:41:17.5, 1.5, 60.1S; 0.1-26.4W, 0.2, h35km, 2km, mb4.3/11, Error ellipse: s-maj=22.9km s-min=8.7km az=28.0

ISC 17 02:41:16.0-0.7, 60.0S; 0.1-26.4W, 0.2, h26km, n26, o156/26, mb4.0/10, 4C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.

IDC 17 03:00:08.6, 1.4, 12.38N; 144.68E, h0km, mb3.6/4, mbmp3.6/4, MS3.1/3, Error ellipse: s-maj=57.2km

s-min=16.6km az=99.0, South of Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GUMO Guam, DAV Davao City (W), H1N1 WAKE ISLAND Hy, etc.

AEIC 17 03:24:09.1, 1.6, 50.6N; 0.1-179.3E, 0.2, h15km, 7km, Error ellipse: s-maj=27.8km s-min=7.4km az=131.0

NEIC 17 03:24:04.1, 2.1, 51.0N; 0.2-178.5E, 0.2, h10km, 2km, mb3.8/10, ML3.0(AEIC), Error ellipse: s-maj=37.3km s-min=5.4km az=154.0, Rat Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GASW Gareloi Southw, GASW Gareloi N, GALAA Gareloi Lava P, etc.

STKA Stephens Creek 29.50 200 P P 03 33 09.1 -1.5

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, BKZ Black Stump Fm, LBZ Lake Benmore, etc.

SOME 17 03:56:57.1, 4.1, 33N-83.72E, h20km, NNC 17 03:56:59.8, 1.6, 41.52N-83.65E, h20km, 7km, mb4.3, o1/4, 0, Error ellipse: s-maj=11.0km s-min=8.9km az=135.0

ISC 17 03:56:54.0, 2.4, 41.36N; 0.09-83.83E, 0.08, h10km, n43, o229/58, 11C-7D, South Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KTMS Ketmen, KTMS Ketmen, SHLS Shalkode, etc.

IDC 17 02:51:43.2, 9.5, 16.80S; 70.16W, h181km, 36km, mb3.2/2, mbmp3.5/3, Error ellipse: s-maj=22.2km

s-min=53.8km az=25.0, Southern Peru

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like LPAZ La Paz, H03N1 Juan Fernandez, H03N2 Juan Fernandez, etc.

ISC 17 03:27:06.0, 0.8, 4.25S; 0.1-152.79E, 0.06, h10km, n44, o192/27, mb4.1/16, MS3.5/10, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like O16K Kokwuk River, O16K Kokwuk River, O18K Kuktuh Hills, etc.

NEIC 17 03:27:04.1, 2.2, 3.8S; 0.2-152.83E, 0.08, h10km, 2km, mb4.8/12, Error ellipse: s-maj=29.0km s-min=5.5km az=333.0

IDC 17 03:27:19.2, 1.2, 2.8, 4.64S; 152.69E, h106km, 25km, mb3.7/13, mbmp4.2/15, MS3.5/14, Error ellipse: s-maj=18.0km s-min=15.5km az=71.0

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RABL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

NEIC 17 02:58:34.6, 0.4, 35.984N; 0.009-96.812W, 0.008, h5km, 1km, mb_Lg2.2/10, ML2.2/34, ML2.2/20, Error ellipse: s-maj=2.7km s-min=1.7km az=309.0

NEIC 17 02:58:34.9, 0.5, 35.995N; 0.005-96.79W, 0.01, h7km, 1km, Error ellipse: s-maj=2.5km s-min=2.0km az=79.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like QUOK Quay, DEOK Depew, DEOK Depew, etc.

ISC 17 03:27:06.0, 0.8, 4.25S; 0.1-152.79E, 0.06, h10km, n44, o192/27, mb4.1/16, MS3.5/10, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RABL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

ISC 17 03:27:06.0, 0.8, 4.25S; 0.1-152.79E, 0.06, h10km, n44, o192/27, mb4.1/16, MS3.5/10, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RABL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

ISC 17 03:56:54.0, 2.4, 41.36N; 0.09-83.83E, 0.08, h10km, n43, o229/58, 11C-7D, South Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KTMS Ketmen, KTMS Ketmen, SHLS Shalkode, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, Time (h:m:s), Residual (ISC). Includes stations like MDOK, MK31, MK31, MAKZ, etc.

CATAC 17 04:01:48.2±0.4, 13°N±3'8"8W±1', h35km, 4km, M3.5/24, MLv3.5/24, Error ellipse: s-maj=6.6km s-min=2.0km

SNET 17 04:01:49.6±0.4, 12°16'N±88.12W, h28km, 5km, ML3.3 GCG 17 04:01:50.9±3.6, 13°9'N±88.44W, h167km, 40km, MD4.0

ISC 17 04:01:44.6±1.4, 12.38N±0.06±88.12W±0.03, h30km±12km, n53.±0.94/66, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, Time (h:m:s), Residual (ISC). Includes stations like CSGN, POTN, CNCH, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, Time (h:m:s), Residual (ISC). Includes stations like CNGA, CNGA, CNGN, etc.

TRN 17 05:06:52.5, 14.72N±59.92W, h20km, MD3.6, East of Martinique, Windward Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, Time (h:m:s), Residual (ISC). Includes stations like ILAM, ILAM, BIM, etc.

BER 17 05:14:48.8±2.5, 82°80'N±6°30'W, h10km, mb(Pn)3.5, ML1.6(DNK), Confirmed Earthquake

DNK 17 05:14:50.4±2.4, 82°78'N±5°64'W, h36km±24km, ML1.6 ISC 17 05:14:44.9±1.7, 82°77'N±0°16'58W±0.05, h10km±16, ±3503/27, 1D, North of Svalbard

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, Time (h:m:s), Residual (ISC). Includes stations like NOR, NOR, NOR, etc.

WEL 17 05:21:36.0±0.9, 31°S±12°18'0"E±3'1", h237km±24km, M4.2/6, mb4.5/6, ML4.8/9, MLv4.5/5, Mw(mb)3.6/6, Error ellipse: s-maj=43.2km s-min=6.0km az=109.5°

confirmed, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, Time (h:m:s), Residual (ISC). Includes stations like GLKZ, WMGZ, HAZ, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, Time (h:m:s), Residual (ISC). Includes stations like KWHZ, WNVZ, KRHZ, etc.

ASRS 17 05:24:19.0±0.6, 54°39'N±86.82E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 05:24:19.8±6.5, 54°43'N±87°19'E, h0km, mbtmp2.7/2, ML2.4/2, Error ellipse: s-maj=31.4km s-min=20.4km az=49.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, Time (h:m:s), Residual (ISC). Includes stations like I46RU, ZALV, ZALV, etc.

NEIC 17 05:27:26.3, 35°03'S±74°1'10W, h12W, h40km±6km, ML4.9, SJ4 17 05:27:30.6, 35°01'S±74.12W, h40km±6km, ML4.9, MW4.7

GUC 17 05:27:27.8±0.6, 35°06'S±73°95'W, h10km, ML5.2 NEIC 17 05:27:28.4, 35°16'S±74°03'W, h12km, Moment Tensor Solution. Duration: 2s0 Moment tensor: Scale 10^16Nm; Mrr-7.27; Mss1.70; Mss5.58; Mtr-1.91; Mtr3.10; Mtr0.86;

Fault plane solution: M0:5.6000x10^16 NP1: ±194.52000°, ±46.24000°, ±-110.97000°. NP2: ±43.51000°, ±47.59000°, ±-69.51000°. Principal axes: T 7.2930, Plg1.0000°, Azm119.0000°, N 0.5421, Plg15.0000°, Azm29.0000°, P -7.8352, Plg75.0000°, Azm27.0000°.

NEIC 17 05:27:28.2, 0.35°06'S±0°04'74.02W±0°06'110km±1km, mb5.4/64, Mw4.9/54, Mw5.5/233 Error ellipse: s-maj=8.9km s-min=6.8km az=88.0 Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr-2.73; Mss0.97; Mss1.75; Mss3.32; Mtr1.09; Mtr-0.05; Fault plane solution: M0:2.65000x10^16 NP1: ±220.97000°, ±46.85000°, ±43.71000°, ±-98.26000°. NP2: ±220.97000°, ±46.85000°, Azm305.0000°, N 0.2313, Plg6.0000°, Azm36.0000°; P -2.7593, Plg4.0000°, Azm20.0000°.

MOS 17 05:27:29.4, 0.9, 35°02'S±73°78'W, h16km, mb5.5/27, Error ellipse: s-maj=11.8km s-min=7.7km az=78.3

VAO 17 05:27:31.2±1.0, 34°9'57"S±73°68'W, h10km, mb4.8 IDC 17 05:27:32.5±5.2, 35°07'S±73°90'W, h29km, 35km, mb4.9/16, mbtmp5.1/20, ML4.7/4, MS4.2/36, Error ellipse: s-maj=16.4km s-min=11.8km az=92.0

GCMT 17 05:27:33.2±0.1, 35°20'S±0°17'41.5W±0°01'112km, Mw5.2/136, Moment Tensor Solution. s73, c94; s136, c218; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-6.70±.11; Mss0.79±.09; Mss5.9±.12; Mtr0.0±.34; Mtr2.80±.09; Mtr4.45±.33; Best double couple: M0:6.93700x10^16 NP1: ±25.00000°, ±43.00000°, ±-88.00000°. NP2: ±203.00000°, ±47.00000°, ±-92.00000°. Principal axes: T 7.1570, Plg2.0000°, Azm294.0000°, N -0.4440, Plg1.0000°, Azm204.0000°; P -6.7160, Plg88.0000°, Azm1.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 17 05:27:27.8±1.8, 35°07'S±0°03'74.03W±0°04'15km±10km, n398, ±170/413, mb5.3/49, MS4.3/37, 57D-32C, Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, Time (h:m:s), Residual (ISC). Includes stations like GO05, B105, B105, etc.

VA05 Santo Domingo 2.44 56 Sn Sn 05 28 07.0 -1.3 VA05 Santo Domingo 2.44 56 Sn Sn 05 28 34.4 -4.3 VA05 Santo Domingo 2.44 56 Sn Sn 05 28 07.1 -1.3 VA05 Santo Domingo 2.44 56 Sn Sn 05 28 37.9 -3.4

BO01 Tunca 2.52 75 Sn Sn 05 28 08.3 -1.1 BO01 Tunca 2.52 75 Sn Sn 05 28 08.5 -0.8 BO01 Tunca 2.52 75 Sn Sn 05 28 37.1 -2.8 BO01 Tunca 2.52 75 Sn Sn 05 28 39.7

MT01 Popeta 2.59 63 Sn Sn 05 28 08.6 -1.8 MT01 Popeta 2.59 63 Sn Sn 05 28 38.0 -4.4 MT01 Popeta 2.59 63 Sn Sn 05 28 38.9 -1.6 MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 -4.0

MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 comp=E, 8µm, 0.3s

MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 comp=N, 7µm, 0.7s

BO01 Tunca 2.52 75 Sn Sn 05 28 08.3 -1.1 BO01 Tunca 2.52 75 Sn Sn 05 28 08.5 -0.8 BO01 Tunca 2.52 75 Sn Sn 05 28 37.1 -2.8 BO01 Tunca 2.52 75 Sn Sn 05 28 39.7

MT01 Popeta 2.59 63 Sn Sn 05 28 08.6 -1.8 MT01 Popeta 2.59 63 Sn Sn 05 28 38.0 -4.4 MT01 Popeta 2.59 63 Sn Sn 05 28 38.9 -1.6 MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 -4.0

MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 comp=E, 8µm, 0.3s

MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 comp=N, 7µm, 0.7s

BO01 Tunca 2.52 75 Sn Sn 05 28 08.3 -1.1 BO01 Tunca 2.52 75 Sn Sn 05 28 08.5 -0.8 BO01 Tunca 2.52 75 Sn Sn 05 28 37.1 -2.8 BO01 Tunca 2.52 75 Sn Sn 05 28 39.7

MT01 Popeta 2.59 63 Sn Sn 05 28 08.6 -1.8 MT01 Popeta 2.59 63 Sn Sn 05 28 38.0 -4.4 MT01 Popeta 2.59 63 Sn Sn 05 28 38.9 -1.6 MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 -4.0

MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 comp=E, 8µm, 0.3s

MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 MT01 Popeta 2.59 63 Sn Sn 05 28 39.9 comp=N, 7µm, 0.7s

BO02 Sierra Bellavi 2.68 85 Sn Sn 05 28 11.2 -0.6 BO02 Sierra Bellavi 2.68 85 Sn Sn 05 28 41.8 -2.9 BO02 Sierra Bellavi 2.68 85 Sn Sn 05 28 11.7 -0.2 BO02 Sierra Bellavi 2.68 85 Sn Sn 05 28 42.7 -2.0 BO02 Sierra Bellavi 2.68 85 Sn Sn 05 28 45.6

BO02 Sierra Bellavi 2.68 85 Sn Sn 05 28 11.6 -0.2 BO02 Sierra Bellavi 2.68 85 Sn Sn 05 28 43.8 -1.0 BO02 Sierra Bellavi 2.68 85 Sn Sn 05 28 45.3

BI02 San Fabín de San Fabín de 2.75 126 Sn Sn 05 28 11.7 -1.0 BI02 San Fabín de San Fabín de 2.75 126 Sn Sn 05 28 42.1 -1.0

MT09 Talagante 2.83 64 Sn Sn 05 28 12.2 -1.6 MT09 Talagante 2.83 64 Sn Sn 05 28 48.3

VA01 Torpederas 2.84 45 Sn Sn 05 28 12.2 -1.7 VA01 Torpederas 2.84 45 Sn Sn 05 28 12.3 -1.5 VA01 Torpederas 2.84 45 Sn Sn 05 28 12.7 -1.2 VA01 Torpederas 2.84 45 Sn Sn 05 28 44.0 -4.5

MT02 Curacav 3.00 54 Sn Sn 05 28 14.4 -1.7 MT02 Curacav 3.00 54 Sn Sn 05 28 14.6 -1.5 MT02 Curacav 3.00 54 Sn Sn 05 28 14.4 -1.7 MT02 Curacav 3.00 54 Sn Sn 05 28 48.1 -4.3

BO04 La Punta 3.02 70 Sn Sn 05 28 15.4 -1.0 BO04 La Punta 3.02 70 Sn Sn 05 28 53.0

MT05 Renca 3.20 59 Sn Sn 05 28 17.7 -1.1 MT05 Renca 3.20 59 Sn Sn 05 28 17.9 -0.9

Table of astronomical observations for 17d 5h, listing stations like KHC, ILAR, CLL, etc., and objects like Kasperke Hory, Alice Springs, etc.

Table of astronomical observations for 2019 MAY, listing stations like AKT, KIRV, PEABO, etc., and objects like Akhty, Petrovavlovsk, etc.

Table of astronomical observations for 942, listing stations like NNZ, BFZ, THZ, etc., and objects like Nelson, Birch Farm, etc.

IDC 17 05:48:03.9-0.8, 13:09Sx167.04E, h194km,7km, mb3.8/11, mbtmp4.3/13, Error ellipse: s-maj=19.7km s-min=11.8km

NEIC 17 05:48:08.4±1.5, 13.2±2.0S:1.167±2.0E:0.1, h236km,8km, mb4.4/24, Error ellipse: s-maj=16.2km s-min=14.4km az=101.0

ISC 17 05:48:04.6-0.5, 13:10S:0.066±167.03E:0.09, h200km, n81, ±0.11/85, mb4.2/24, Vanuatu Islands

Table listing station codes and names for the IDC, NEIC, and ISC observations.

CATAC 17 05:49:56.4-0.4, 13°N 3°E, h37km,4km, M2.7/19, MLV2, Error ellipse: s-maj=6.4km s-min=2.1km az=24.8, confirmed Off coast of central America

Table listing station codes and names for the CATAC observation.

Table with columns: STA, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAYA, YUSH, YUSCARAN, etc.

ASRS 17 05:49:55.0 1.2, 53.47N; 87.25E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 05:49:59.0 3.2, 53.44N; 87.23E, h0km, mbtmp2.9/2, ML2.4/2, Error ellipse: s-maj=31.7km s-min=17.3km az=65.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, MKAR.

WEL 17 05:55:57.9 0.6, 32.5°S x 18°0'W, 1.2, h350km, 10km, M4.0/24, mb4.6/18, ML5.0/2, MLv4.9/24, Mw(mb)3.8/18, Error ellipse: s-maj=17.0km s-min=4.2km az=108.0, confirmed, Kermadec Islands region

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations including GLKZ, MXZ, GRZ, WNWGZ, KUZ, HAZ, PKGZ, WUZ, WAZ, MWZ, TKGZ, EDRZ, KARZ, TOZ, RIGZ, MUGZ, HSRZ, PRGZ, SHGZ, WPRZ, MHGZ, WHHZ, BKZ, HNZ, NTVZ, TMVZ, KRVZ, ETVZ, WTVZ, NNVZ, TWVZ, SNVZ, NGVZ, FWVZ, MAVZ, TRVZ, WNVZ, KAHZ, KRHZ, VRZ, PXZ, PNHZ, PKVZ, TSZ, NEZ, WAZ, DVHZ, ANVZ, POWZ, BOWZ, MRZ, MRZ.

IDC 17 05:56:52.5 1.2, 67.80N; 11.81E, h0km, mbtmp3.4/5, ML2.8/5, Error ellipse: s-maj=15.4km s-min=9.2km az=103.0

DNK 17 05:56:53.0 6.0, 67.66N; 11.90E, h0km, ML2.8(UPP), Suspected explosion

HEL 17 05:56:54.0 6.0, 67.70N; 11.68E, h19km, 1km, ML2.8(UPP), ML2.2(BER), ML3.1(NAO), Confirmed Earthquake

NAO 17 05:56:54.4 6.1, 67.71N; 11.76E, h18km, 53km, ML3.1, BER 17 05:56:55.5 1.8, 67.71N; 11.63E, h14km, 12km, ML2.2, ML3.1(NAO), Confirmed Earthquake

UPP 17 05:56:55.5 1.8, 67.70N; 12.14E, h0km, ML2.8, ISC 17 05:56:51.5 1.4, 67.71N; 11.62E, 0.05, h15km, gkm, n127, 2249/188, 11D, Norwegian Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LOF, BURU, SOLU, TOF.

Table with columns: STA, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VAGH, KONS, STEI, FAUS, STOK, LEIR, MOR, SALU, RATU, NSS, KOVU, KUA, DUNU, KIF, JETT, MASU, HARU, ERTU, KTK1, PAJU.

ASRS 17 06:04:37.0 0.8, 54.03N; 86.53E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 06:04:40.2 6.2, 54.03N; 86.47E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=21.0km s-min=16.6km az=149.0, Suspected Mining explosion.

ASRS 17 06:04:37.0 0.8, 54.03N; 86.53E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 06:04:40.2 6.2, 54.03N; 86.47E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=21.0km s-min=16.6km az=149.0, Suspected Mining explosion.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, MKAR.

WEL 17 05:55:57.9 0.6, 32.5°S x 18°0'W, 1.2, h350km, 10km, M4.0/24, mb4.6/18, ML5.0/2, MLv4.9/24, Mw(mb)3.8/18, Error ellipse: s-maj=17.0km s-min=4.2km az=108.0, confirmed, Kermadec Islands region

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations including GLKZ, MXZ, GRZ, WNWGZ, KUZ, HAZ, PKGZ, WUZ, WAZ, MWZ, TKGZ, EDRZ, KARZ, TOZ, RIGZ, MUGZ, HSRZ, PRGZ, SHGZ, WPRZ, MHGZ, WHHZ, BKZ, HNZ, NTVZ, TMVZ, KRVZ, ETVZ, WTVZ, NNVZ, TWVZ, SNVZ, NGVZ, FWVZ, MAVZ, TRVZ, WNVZ, KAHZ, KRHZ, VRZ, PXZ, PNHZ, PKVZ, TSZ, NEZ, WAZ, DVHZ, ANVZ, POWZ, BOWZ, MRZ, MRZ.

Table with columns: STA, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HUSU, MOL, MOL, AKN, AKN, AKN, KEV, KEV, VAF, VAF, NOR, NB2, NB2, NOA, NRAO, NRAO, NRAO, SKAR, SKAR, HFS, HFS, HFS, HFS, FIAO, FIAO, FIAO, FIAO, SPAO, SPAO, SPAO, SPAO, SPITS, SPITS.

ASRS 17 06:04:37.0 0.8, 54.03N; 86.53E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 06:04:40.2 6.2, 54.03N; 86.47E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=21.0km s-min=16.6km az=149.0, Suspected Mining explosion.

ASRS 17 06:04:37.0 0.8, 54.03N; 86.53E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 06:04:40.2 6.2, 54.03N; 86.47E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=21.0km s-min=16.6km az=149.0, Suspected Mining explosion.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, MKAR.

WEL 17 05:55:57.9 0.6, 32.5°S x 18°0'W, 1.2, h350km, 10km, M4.0/24, mb4.6/18, ML5.0/2, MLv4.9/24, Mw(mb)3.8/18, Error ellipse: s-maj=17.0km s-min=4.2km az=108.0, confirmed, Kermadec Islands region

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists numerous stations including GLKZ, MXZ, GRZ, WNWGZ, KUZ, HAZ, PKGZ, WUZ, WAZ, MWZ, TKGZ, EDRZ, KARZ, TOZ, RIGZ, MUGZ, HSRZ, PRGZ, SHGZ, WPRZ, MHGZ, WHHZ, BKZ, HNZ, NTVZ, TMVZ, KRVZ, ETVZ, WTVZ, NNVZ, TWVZ, SNVZ, NGVZ, FWVZ, MAVZ, TRVZ, WNVZ, KAHZ, KRHZ, VRZ, PXZ, PNHZ, PKVZ, TSZ, NEZ, WAZ, DVHZ, ANVZ, POWZ, BOWZ, MRZ, MRZ.

17d 6h

Station data for Makanchi Array (MK31) and Merke (MKAR) including coordinates, elevation, and station type.

SOME 17 06:06:04.0, 38.65N-71.40E, h5km

NNC 17 06:07:07.3-1.7, 38.73N-71.38E, h0km, mb4, mmpv3.6

1C, Error ellipse: s-maj=12.3km s-min=8.6km az=11.0,

Afghanistan-Tajikistan border region

Main station data table for the Afghanistan-Tajikistan border region, listing stations like IUG, MRKS, KK31, BRLS, KST, DGS, etc.

TAP 17 06:06:45.0, 24.82N-122.30E, h11km, ML2.9,C

JMA 17 06:06:45.8-0.2, 24.8N-122.3E-0.2, h0km, 2km,

MVZ-5/10, TAIWAN REGION

ISC 17 06:06:45.7-1.0, 24.79N-122.30E-0.02, h9km, 9km,

n53, -0.50/79, Taiwan region

Main station data table for Taiwan region, listing stations like EGS, TWB1, EOSE, TWC, EASAO, etc.

TXNET 17 06:11:13.9, 31.7N-106.104W-0.6, h5km, 1km, ML2.3/7,

1C, Error ellipse: s-maj=0.9km s-min=0.8km az=51.7,

Final, Western Texas

Main station data table for Western Texas, listing stations like TPB11, PECS, GD12, etc.

2019 MAY

944

Station data for TPB10, CLNB, PCOS, etc., including coordinates and station types.

CATAC 17 06:12:09.1-0.4, 13.1N-78.8W, h47km, 9km, M2.9/13,

MLV2.9/13, Error ellipse: s-maj=16.3km s-min=2.6km

az=24.8, confirmed

CGG 17 06:12:10.3-0.3, 12.76N-88.12W, h77km, 5.1km, MD4.0

ISC 17 06:12:08.2-1.5, 12.6N-88.03W-0.06, h59km, 25km,

n31, -0.70/38, Off coast of central America

Main station data table for Central America region, listing stations like CSGN, POTN, CNCH, etc.

HEL 17 06:18:08.9-0.4, 61.109N-29.78E, h0km, ML 1.7, Explosion

IDC 17 06:18:09.4-2.6, 60.87N-29.72E, h0km, mbtmp3.3/2,

ML2.3/2, Error ellipse: s-maj=30.5km s-min=14.5km

az=2.0

ISC 17 06:18:04.4-1.7, 61.131N-04.306E-0.08, h0km, n18,

-0.10/24, Finland-Karelia border region

Main station data table for Finland-Karelia border region, listing stations like Code, Station Name, Az, Az2, Phase ID, etc.

IDC 17 06:24:45.1-2.3, 4.76S-151.95E, h0km, mb3.3/3,

mbtmp3.3/3, Error ellipse: s-maj=162.0km

s-min=31.4km az=127.0, New Britain region

Station data for WRA, including coordinates and station type.

0.4nm, 0.5s

ASAR Alice Springs 25.61 221 P P 06 30 16.6 0.0

0.3nm, 0.6s, baz=59, slow=8.7, SNR=5.6

0.4nm, 0.6s

ILAR Gilman Array 82.44 22 P P 06 37 09.1 0.0

0.4nm, 0.9s, baz=236, slow=6.4, SNR=2.4

0.4nm, 0.9s

CATAC 17 06:28:28.8-0.5, 14.7N-3x9.1W, h0km, 3km, M3.6/24,

MLV3.6/24, Error ellipse: s-maj=6.5km s-min=5.2km

az=27.9, confirmed

CGG 17 06:28:29.7-2.0, 13.72N-91.45W, h36km, 6.84km, MD4.3

ISC 17 06:28:31.3-1.7, 13.74N-90.09, h35km, n64,

0.131/68, Near coast of Guatemala

Main station data table for Guatemala region, listing stations like STGE, RTAL, EESS, etc.

IDC 17 06:35:05.6-1.0, 12.98N-143.27E, h203km, 11km,

mb3.8/16, mbtmp3.4/16, Error ellipse: s-maj=21.9km

s-min=10.2km az=93.0

NEIC 17 06:35:06.2-1.3, 13.03N-10.143E-0.1, h205km, 9km,

mb4.3/40, Error ellipse: s-maj=19.5km s-min=14.0km

az=102.0

ISC 17 06:35:05.3-0.5, 12.98N-0.07x143.17E-0.09, h200km, n58,

-0.69/61, mb4.2/36, South of Mariana Islands

Main station data table for Mariana Islands region, listing stations like GUMO, FAKI, JNU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like N15K, K15K, K15K, 016K, etc.

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

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KWHZ, OTVZ, SNVZ, NGZ, TUUV, WNVZ, MOVZ, KRHZ, KAHZ, PKVZ, ANWZ, PRWZ, BFZ, MRZ, HOWZ, STKA, ASAR, WRA, QSPA, FINES.

ASRS 17 07:25:02.0.0.7, 53.42N-87.52E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 07:25:05.7.3.6, 53.42N-87.52E, h0km, mbtmp3.0, ML2.2/2, Error ellipse: s-maj=34.5km s-min=17.4km az=50.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR.

ASRS 17 07:30:22.0.1.1, 53.46N-87.29E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 07:30:25.6.3.1, 53.37N-87.34E, h0km, mbtmp2.5/2, ML2.1/2, Error ellipse: s-maj=29.1km s-min=16.3km az=67.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, MKAR.

IDC 17 07:30:29.4.2.1, 63.97N-28.37E, h0km, mbtmp2.8/3, ML1.6/3, Error ellipse: s-maj=40.8km s-min=11.1km az=96.0

UPP 17 07:30:30.4.2.5, 63.95N-27.68E, h0km, ML1.5, IDC 17 07:30:30.9.1.6, 64.01N-0.06-27.9E, 0.1, h10km, n12, o066/15, Finland

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KALLU, FINES, FINES, BURU, SJIJU, ODEU, ERTU, PAJU, HARU, SVAU, ARCER, ARCER, ARCER, I37NO, HFSO.

GCG 17 07:32:12.1.0.3, 13.40N-89.64W, h61km, 3km, MD3.5, El Salvador

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JAYA, NUBE, MTO3.

ASRS 17 07:32:32.0.1.3, 53.66N-87.80E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 07:32:32.9.3.3, 53.46N-87.91E, h0km, mbtmp2.7/2, ML2.3/2, Error ellipse: s-maj=29.1km s-min=17.6km az=59.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR.

0.1nm,0.3s,baz=31,slow=28,SNR=1.2 0.3nm,0.6s

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GCG, Salvador, JAYA, NUBE, MTO3.

NMC 17 07:39:22.5.2.2, 54.53N-87.69E, h0km, mb3.2, mpv2.9, Error ellipse: s-maj=23.7km s-min=13.7km az=179.0, Suspected Mining explosion.

ASRS 17 07:39:27.0.0.5, 54.21N-87.10E, h0km, M2.8, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 07:39:22.2.5.5, 54.17N-87.16E, h0km, mbtmp3.2/3, ML2.6/3, Error ellipse: s-maj=23.0km s-min=17.2km az=58.0

ISC 17 07:39:26.3.4.3, 54.44N-0.02-87.4E, 0.2, h0km, n9, o199/21, 3C-4D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURK, KURK, KURBB, KURBB, MK31, MKAR, BVAR.

IDC 17 07:41:56.7.2.1, 41.54S-88.13E, h0km, mb3.9/4, mbtmp3.9/4, MS3.5/6, Error ellipse: s-maj=54.8km s-min=35.8km az=113.0, Southeast Indian Ridge

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like H01W2, H01W3, H01W1, NWA0, H04S1, H04S2, H04S3, H04N2, H04N3, H04N1, MAW, MAW, MAW, H08S1, H08S2, FITZ, ASAR, WRA, QSPA, BOSA, LBTB, CMAR.

ASRS 17 07:44:59.0.1.1, 54.40N-86.82E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 07:44:57.8.3.1, 54.49N-87.15E, h0km, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=25.7km s-min=20.6km az=41.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR.

ASRS 17 07:55:09.0.0.3, 61N-87.96E, h0km, M2.8, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

NMC 17 07:55:11.1.4.4, 55.93N-85.05E, h0km, mb2.8, mpv2.4, Error ellipse: s-maj=63.4km s-min=31.6km az=86.0, Suspected Mining explosion.

IDC 17 07:55:11.6.3.0, 53.65N-88.01E, h0km, mbtmp2.9/2, ML2.7/2, Error ellipse: s-maj=24.9km s-min=15.9km az=57.0

ISC 17 07:55:01.8.3.0, 52.29N-0.08-88.0E, 0.2, h0km, n7, o185/8, 3C-2D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes station I46RU.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ZAAO, ZAAO, ZALV, ZALV, KURK, KURBB, KURBB, KURBB, MKAR, MKAR.

HVO 17 07:57:06.2.0.5, 19.10N-0.06-155.41W, 0.03, h39km, 4km, ML2.5/7, ML2.4/32(NEIC), Error ellipse: s-maj=9.6km

NEIC 17 07:57:06.0.0.9, 19.18N-0.05-155.44W, 0.05, h35km, 2km, Error ellipse: s-maj=9.4km s-min=7.3km az=160.0, Hawaiian Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HTC, HPC, HLP, HLP, KHU, KHU, SDHHI, WRMH, RIM, KKO, UWE, UWE, OBL, PUH, PUH, BYL, BYL, BYL, HATH, HATH, HATH, SBLH, MLH, MLH, RSD, RSD, KNH, MWH, MWH, MWH, STCH, STCH, STCH, NPOC, NPOC, ALEP, ALEP, HMM, HMM, HMM, JOKA, JOKA, POHA, HPAH.

GCG 17 08:02:14.1.9, 15.28N-91.96W, h163km, 9km, MD4.2, Mexico-Guatemala border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SMCA, SMCA, HUEH, HUEH, THIG, THIG, THIG, SOKI, STGB, CCG, CCG, AVCB, NUBE, PETF, SCIG, MARCA, HUIG.

TXNET 17 08:04:25.8, 31.7N-0.8-104.3W, 0.8, h6km, 2km, ML1.9/6, Error ellipse: s-maj=1.3km s-min=1.2km az=85.2, final, Western Texas

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TPB11, TPB11, PECS, PECS, TPB12, TPB12, TPB07, TPB07, TPB10, TPB10, CLNB, CLNB.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like TPB01 Permian Basin, MNTX Cornudas Mount, TPB06 Permian Basin, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like GUN Gumba, KOLN Koldanda, KOLN Koldanda, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like IMP comp=N,542nm,0.4s, IMP comp=E,874nm,0.7s, NIL VJD Vijayawada, etc.

CATAC 17 08:10:41.7-0.8,12°N,4°W, h27km,gkm, M3.1/25, MLv3.1/25, Error ellipse: s-maj=9.2km s-min=4.0km az=24.4, confirmed, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like CSGN Cosiguina Volc, CSGN Cosiguina, CRIN San Cristobal, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like GUN Gumba, KOLN Koldanda, KOLN Koldanda, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like IMP comp=N,542nm,0.4s, IMP comp=E,874nm,0.7s, NIL VJD Vijayawada, etc.

IDC 17 08:21:29.7-3.6,4:54S:145°96E, h0km, mb3.4/3, mbtmp3.4/5, ML2.8/2, Error ellipse: s-maj=77.4km s-min=56.1km az=150.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like PMG Port Moresby, PMG Port Moresby, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like GUN Gumba, KOLN Koldanda, KOLN Koldanda, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like IMP comp=N,542nm,0.4s, IMP comp=E,874nm,0.7s, NIL VJD Vijayawada, etc.

BUI 17 08:23:35.1-27.96N:84°78E, h7km, mb4.6/4, mb4.5/35, ML3.6/1, Ms3.8/12, Ms7.3/8/12, IDC 17 08:23:35.4-0.5, 27.83N:84.78E, h0km, mb4.3/29, mbtmp4.3/32, ML4.4/3, MS3.3/10, Error ellipse: s-maj=16.2km s-min=11.0km az=44.0, NEIC 17 08:23:37.4-2.0, 28.0N:0.1:84.75E:0.07, h10km, 1km, mb4.7/44, Error ellipse: s-maj=19.3km s-min=10.0km az=192.0, DMN 17 08:23:37.1-0.0, 27.85N:84.86E, h10km, M1.5/5, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0, NDI 17 08:23:40.8-1.5, 27.94N:84.76E, h11km, km, ML4.5, MW4.5, ISC 17 08:23:37.2-0.8, 27.85N:0.003:84.84E:0.02, h13km, 5km, n412, 164/456, mb4.7/61, MS3.4/7, 1C, Nepal-India border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like GKN Gorkha, GKN Gorkha, GKN Gorkha, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like GUN Gumba, KOLN Koldanda, KOLN Koldanda, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like IMP comp=N,542nm,0.4s, IMP comp=E,874nm,0.7s, NIL VJD Vijayawada, etc.

17d 8h

2019 MAY

Table with columns: Station ID, Name, Elevation (ft), Azimuth, Slope, Aspect, Distance, and other metrics. Includes entries like AK12 Malin Array Si, AK04 Malin Array Si, etc.

Table with columns: Station ID, Name, Elevation (ft), Azimuth, Slope, Aspect, Distance, and other metrics. Includes entries like E20K Nigu River, H16K Elim, G17K Kwakwaka Moun, etc.

Table with columns: Station ID, Name, Elevation (ft), Azimuth, Slope, Aspect, Distance, and other metrics. Includes entries like M18K Stony River, BP1W Bear Paw Mtn, N17K Nushagak Hills, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like KODAK, L27K, SII, M26K, N25K, P23K, M27K, K29M, EYAK, BRMM, BVCV, MCARA, L29M, CRQE, YUK3, M29M, KAIM, CTG, YUK8, MESA, O28M, YUK4, N30M, YUK6, PINM, M31M, N31M, HYT, O29M, MMPY, PNL, O30N, P30M, WHY, P29M, PLBC, SKAG, P33M, TGTN, P32M, S31K, R32K, R33M, O32M, YKA, DLBC, LIRD, S34M, TOAD, T35M, LPAZ.

Table with columns: ASAL, ACCO, ARCO, CO03, CO03, CO03, CO02, CO02, CO02, VA03, VA03, VA03, AROD, AROD, AROD, ACDD, ACDD, AAGR, AACR, AACR, CO01, CO01, CO01, CO01, CO01, PVL6, PELM, PELM, MT04, MT04, MT08, MT08, MT08, ROCI, ROC1, ROC1, G004, G004, G004, MT16, AVIZ, AVIZ, AVFE, AVFE, AVFE, MT03, MT03, MT03, MT05, MT05, MT05, CO06, MT02, MT02, MT02, MT13, MT13, MT13, LMEL, LMEL, LMEL, VA01, VA01, VA01, CO05, AGUA, AGUA, AGUA, ACHE, ACHE, ACHE, MT09, BO04, MT01, MT01, MT01, VA05, LCO, LCO, LCO, AC05, AC05, AC05, BO01, BO01, BO01, ACLC, ACLC, ACLC, VCA, VCA, VCA, MRA, MRA, MRA, BO02, BO02, BO02, BO02, AC04, AC04, AC04, G003, G003, G003, G003, MLO2, MLO2, MLO2, MLO2, CYA, CYA, CYA, AC02, AC02, AC02, BI02, BI02, BI02, PLCA, CPUP.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like LPAZ, LPAZ, LPAZ, ITAB, ITAB, SIV, MG03, MG03, SAML, SAML, RUSC, RUSC, CELP, GSPA, GSPA, TXAR, TXAR, TORD, TORD, PDAR, PDAR, NVAR, NVAR, WRA, WRA, WRA, ZALV, ZALV, MKAR, MKAR.

ASRS 17 08:29.13.0.3.4.53.77N:88.10E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021. IDC 17 08:29.18.3.3.7.53.68N:87.79E, h0km, mbtmp2.8/2, ML2.4/2, Error ellipse: s-maj=35.1km s-min=18.9km az=52.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like I46RU, ZALV, ZALV, KURBB, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like I46RU, ZALV, ZALV, KURBB, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like I46RU, ZALV, ZALV, KURBB, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like I46RU, ZALV, ZALV, KURBB, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like I46RU, ZALV, ZALV, KURBB, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Rows include stations like I46RU, ZALV, ZALV, KURBB, MKAR.

ASRS 17 08:25.44.0.4.54.59N:86.70E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021. IDC 17 08:25.46.9.3.7.54.62N:86.59E, h0km, mbtmp2.7/2, ML2.4/2, Error ellipse: s-maj=31.3km s-min=17.4km az=49.0, Southwestern Siberia

ASRS 17 08:35.21.0.1.54.23N:87.12E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021. IDC 17 08:35.19.0.3.5.54.31N:87.60E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=29.9km s-min=20.6km az=32.0, Southwestern Siberia

ASRS 17 08:43.37.0.1.0.54.67N:83.64E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021. NNC 17 08:43.38.2.8.54.65N:83.70E, h0km, mb3.8, mpv2.9, Error ellipse: s-maj=17.5km s-min=9.0km az=147.0, Suspected Mining explosion. IDC 17 08:43.38.9.1.5.54.64N:83.77E, h0km, mbtmp3.1/3, ML2.6/3, Error ellipse: s-maj=13.8km s-min=9.1km az=7.0

Table of seismic events with columns: KURK, 2.9nm,0.6s, Lg, 08 46 19.1, etc. Includes Kurchatov Arra 5.39 220 Pn.

Table of seismic events with columns: ZALV, 1.4nm,0.3s,baz=92,slo=16,SNR=11, Lg, 08 55 33.2, etc. Includes Kurchatov 6.03 238 Pn.

Table of seismic events with columns: KU1 Kurvinen, 3.13 124 PN, Pn, 09 00 30.7 +0.9, etc. Includes UMAU Umeaa, 3.71 198 PN.

17d 08:46:42.0-1.6,54°63'N-83°73'E, h0km, mbtmp2.9/3, ML2.3/2, Error ellipse: s-maj=14.9km s-min=10.2km az=7.0, Southwestern Siberia

Table of seismic events for Southwestern Siberia with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes I46RU Zalesovo Beam 0.94 137 P.

17d 08:59:28.3-2.1,3.97S-151°27'E, h0km, mb3.3/3, mbtmp3.4/3, Error ellipse: s-maj=143.5km s-min=30.6km az=126.0, New Ireland region

Table of seismic events for New Ireland region with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes WRRAMA Warramunga Arr 22.90 225 P.

17d 09:01:50.3-4.7,7°25'S-129°01'E, h145km,43km,mb3.6/5, mbtmp4.1/8, Error ellipse: s-maj=52.7km s-min=23.0km az=78.0

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes BNDI Bandaraina, 2.91 15 P.

17d 08:48:44.7-0.3,13°N-3°8'8"W, h42km,6km, M2.8/19, MLv2.8/19, Error ellipse: s-maj=7.4km s-min=2.2km az=28.0, confirmed, Off coast of Central America

Table of seismic events for Off coast of Central America with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes CSGN Cosiguina Volc, 0.56 52 P.

17d 08:59:39.8-1.7,67°48'N-23°46'E, h0km, mbtmp2.6/2, ML1.7/2, Error ellipse: s-maj=34.8km s-min=8.3km az=97.0

HEP 17 08:59:40.0-0.1,67°43'N-23°32'E, h0km, ML1.6, Explosion BER 17 08:59:41.1-2.1,67°39'N-23°30'E, h0km, ML1.3, ML2.1 (UPP), Suspected explosion

17d 08:59:39.3-0.7,67°42'N-02°23'29E,0.02, h0km, m57, c0818/1, Sweden

Table of seismic events for Sweden with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes KLF Kolari, 0.32 125 PG.

17d 09:03:09.4-1.3,17°26'N-04°49'00W, 0.03, h139km,8km, n47,c218/93, Chiapas

Table of seismic events for Chiapas with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes CMIG Matias Romero, 0.17 176 P.

ASRS 17 08:50:09.0-0.9,54°13'N-87°21'E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

17d 08:50:10.4-3.1,54°17'N-87°33'E, h0km, mbtmp2.8/2, ML2.5/1, Error ellipse: s-maj=24.1km s-min=16.1km az=62.0, Southwestern Siberia

Table of seismic events for Southwestern Siberia with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes I46RU ZALESOVO INFRA 1.50 263 P.

17d 08:59:39.8-1.7,67°39'N-23°30'E, h0km, m57, c0818/1, Sweden

Table of seismic events for Sweden with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes KLF Kolari, 0.32 125 PG.

17d 09:03:09.4-1.3,17°26'N-04°49'00W, 0.03, h139km,8km, n47,c218/93, Chiapas

Table of seismic events for Chiapas with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes CMIG Matias Romero, 0.17 176 P.

ASRS 17 08:54:55.0-1.1,53°39'N-86°66'E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

17d 08:54:58.2-2.6,53°32'N-86°65'E, h0km, mbtmp3.1/2, ML3.0/2, Error ellipse: s-maj=22.1km s-min=13.4km az=63.0

Table of seismic events for Southwestern Siberia with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes I46RU ZALESOVO INFRA 1.12 257 P.

17d 08:59:39.8-1.7,67°48'N-23°46'E, h0km, mbtmp2.6/2, ML1.7/2, Error ellipse: s-maj=34.8km s-min=8.3km az=97.0

Table of seismic events for New Ireland region with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes WRRAMA Warramunga Arr 22.90 225 P.

17d 09:03:09.4-1.3,17°26'N-04°49'00W, 0.03, h139km,8km, n47,c218/93, Chiapas

Table of seismic events for Chiapas with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc. Includes CMIG Matias Romero, 0.17 176 P.

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time Res, h m s, Res ISC. Rows include RTAL, YAIG, PLIG, DAIG, MEIG, AOV, etc.

Table with columns: FITZ, SOEI, MBWA, TOLIZ, QSPA, MJAR, JMN, PETW, SDPT, PETK, KRSR, BELA, NVAR, OHAK, ACHA, O15K, etc.

Table with columns: GHAJ, PSZ, BORR, CSS, DJA, IDC, etc. Includes station names like Ghor Haditha, Piskeszeto, Esiksehir, etc.

IDC 17 09:09:30.0.3.4.20'61S:176'09W,h162km,20km, mb3.9/14,mbtmp3.4/15, Error ellipse: s-maj=20.4km s-min=15.6km az=134.0

NOU 17 09:09:31.8.2.0.75S:175'62W,h170km,mb4.6/20, Tonga Islands

NEIC 17 09:09:31.8.2.6.20'53S:0'09:175'72W:0'09, h169km,6km,mb4.5/58, Error ellipse: s-maj=13.4km s-min=11.7km az=218.0

ISC 17 09:09:30.3.0.4.20'72S:0'06:175'74W:0'06,h169km, n165, s1944/163, mb4.4/49, 1C-1D, Tonga Islands

Main table on the left side, containing station codes (LKBA, TAVE, NIUE, etc.), station names, and associated data points.

Main table in the middle, containing station codes (ACHA, O15K, P16K, etc.), station names, and associated data points.

Table on the top right, containing station codes (GHAJ, PSZ, BORR, CSS) and associated data points.

Table on the right side, containing station codes (BNDI, MSAI, FAKI, etc.), station names, and associated data points.

NNC 17 09:23:08.8.1.8.37'67N:71'89E,h145km,43km,mb2.8, mpv3.6,2C-1D, Error ellipse: s-maj=21.0km s-min=11.9km az=23.0, Afghanistan-Tajikistan border region

Main table on the right side, containing station codes (AAK, KK31, TKM2, AB31, etc.), station names, and associated data points.

IDC 17 09:23:36.2.0.6.7'31S:128'10E,h0km,mb4.1/12, mbtmp4.1/15, ML4.1/3, MS2.9/1, Error ellipse: s-maj=41.9km s-min=14.1km az=76.0

ISC 17 09:23:40.9.0.6.7'45S:0'07:128'3E:0'2,h35km,n18, s1556/20, mb4.1/12, Banda Sea

Main table on the right side, containing station codes (FITZ, WRA, DAV, ASAR, etc.), station names, and associated data points.

17d 10h

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like JCUJ, CMJ, SKJI, etc.

ASRS 17 09:29:28.0.0.4, 54.12N-87.14E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 09:29:28.0.3.4, 54.24N-87.45E, h0km, mbtmp2.7/2, ML2.5/2, Error ellipse: s-maj=27.7km s-min=19.3km az=50.0, Southwest Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like I46RU, ZALV, KURBB, etc.

IDC 17 09:37:01.9.55.0, 16.68S-174.20W, h0km, mb3.8/3, mbtmp3.8/3, Error ellipse: s-maj=104.0km s-min=187.2km az=79.0, Tonga Islands

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

ASRS 17 09:44:11.0.1.4, 53.64N-87.95E, h0km, M2.8, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 09:44:10.9.3.5, 53.59N-87.96E, h0km, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=31.5km s-min=17.7km az=58.0, Southwest Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like I46RU, ZALV, KURBB, etc.

SFS 17 09:46:05.8.37.02N:3.96W, h10km, ML2.4/5, ML2.2/5, MLV2.2/5

MDD 17 09:46:06.1.0.3, 37.02N-4.00W, h1km, mb_Lg 5/16, Error ellipse: s-maj=2.8km s-min=2.0km az=172.0

INMG 17 09:46:06.0.1.4, 37.01N-3.98W, h1km, 3km, ML2.1, Error ellipse: s-maj=2.6km s-min=1.7km az=8.0, #DIST_RANGE: REGIONAL #PMA_REGION: SW Granada (ESP)

IDC 17 09:46:05.0.0.9, 37.03N-0.003.3.95W:0.02, h12km, 6km, n28, c077/55, 1C-2D, Spain

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

2019 MAY

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like PAB, PBAR, PBAAR, etc.

SSNC 17 09:56:44.6.1.7, 18.94N-70.98W, h5km, 20km, MD3.4, ML3.1, MWV3.2

SDD 17 09:56:45.9.1.9, 18.88N-71.05W, h20km, 12km, MD3.5, ML3.4, MWV3.5

ISC 17 09:56:45.1.0.9, 18.88N-71.04W:0.02, h2km, 6km, n24, c074/45, 2D, Dominican Republic region

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

PODR Polo

BANI BANI

JIDR Jimani

DR08 Loma La Naviza

SDD Santo Domingo

MCDR Montecristi

PAPH Port-au-Prince

HATOM Hato Mayor del

SMDR Samana, DR

HIDR Higüey Central

GRTK Grand Turk

MASC Masc

QMBU Quimbuelo

QMBU Quimbuelo

QMBU Quimbuelo

QMBU Quimbuelo

QMBU Quimbuelo

QMBU Quimbuelo

QMBU Quimbuelo

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Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like COEN, DAV, QIS, ASAR, etc.

HEL 17 10:00:08.6.0.2, 64.65N-30.68E, h0km, ML1.9, Suspected explosion

KOLA 17 10:00:09.6.64.62N:30.52E, h0km, ML2.3, Error ellipse: s-maj=20.2km s-min=12.8km az=150.0, Kostomuksha, Karelia

IDC 17 10:00:10.3.3.0, 64.63N-30.66E, h0km, mbtmp2.8/2, ML1.9/2, Error ellipse: s-maj=46.6km s-min=10.0km az=103.0

ISC 17 10:00:08.7.0.9, 64.67N-30.31E:0.04, h0km, n33, c154/147, Finland-Karelia border region

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

OLKF Oulanka, Finla

OLKF Oulanka, Finla

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NNC 17 10:02:40.3.1.9, 43.64N:69.68E, h0km, mb3.8, mpv3.3, Error ellipse: s-maj=10.9km s-min=6.5km az=135.0, Suspected Mining explosion

SOME 17 10:02:40.6.43.63N:69.70E, h5km

KRNET 17 10:02:43.8.0.1, 43.46N:69.85E, mb2.8

ISC 17 10:02:40.0.1.8, 43.71N:0.06:69.76E:0.08, h0km, n18, c1939/31, 12C, Central Kazakhstan

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TMB06, VHRN, VHRN, etc.

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

IDC 17 10:06:52.14.0.30475:177817W,h0km,mb3.72, mbtmp3.8/3,ML3.01, Error ellipse: s-maj=74.2km s-min=38.6km az=108.0, Kermadec Islands

IDC 17 10:48:15.3.0.7.28:03N:139:80E,h422km,gkm,mb3.1/13, mbtmp3.9/16, Error ellipse: s-maj=23.2km s-min=12.6km az=80.0

IDC 17 11:14:02.6.0.8.59:48S:26:37W,h0km,mb4.2/5, mbtmp4.3/6,ML4.6/11,MS3.9/1, Error ellipse: s-maj=34.5km s-min=25.9km az=80.0

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HOPE, HOPE, VNA3, etc.

ASRS 17 10:09:11.0.1.7.53:75N:91:05E,h0km,MS3.5, The southeast of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

JMA 17 10:48:17.4.0.1.28:N1:14:0E:L, h442km, MV-6/38, W OFF OGASAWARA

ISC 17 11:14:08.1.0.5.59:60S:09:26:45W,0:10,h35km,n87, s1514/78,mb4.6/25.5C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like 46RU, ZAA0, ZAA0, ZALV, ZALV, KURK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JFK, JNU, JOW, JMK, USRK, etc.

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

TXNET 17 10:42:14.9.31:2N:0:7:103:3W:0:6,h4km,1km,ML2.1/10, ID, Error ellipse: s-maj=1.0km s-min=0.9km az=22.8, final, Western Texas

IDC 17 10:59:54.3:25.0,18:41S:178:15W,h485km,247km, mb2.8/3,mbtmp3.7/3, Error ellipse: s-maj=153.0km s-min=125.6km az=100.0, Fiji Islands region

IDC 17 11:07:17.9.1.3.49:64S:127:03E,h0km,mb3.7/6, mbtmp3.7/6,MS3.4/5, Error ellipse: s-maj=84.4km s-min=18.7km az=101.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TPB04, TPB16, TPB16, 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 AC02, H04S2, H04S3, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like UZB Uzynbulak, KPZK Kokpek, ZHN Zhisnische, SATY Saty, etc.

MDD 17 12:02:22.9;0.7,36:81N;11:19W,h0km,mb_Lg3.4/20, Error ellipse: s-maj=5.9km s-min=4.5km az=65.0 IGIL 17 12:02:25.2,36:65N;11:33W,h3km,ML2.1, INMG 17 12:02:25.0,1.4,36:67N;11:33W,h3km,1.1km,ML2.8, Error ellipse: s-maj=6.6km s-min=3.6km az=69.0, #DIST_RANGE: REGIONAL #IPMA_REGION: Gorringe CNR/M 17 12:02:23.3,36:25N;10:69W,h25km, ISC 17 12:02:23.4,1.7,36:67N;10:05:11.19W,h35km,n88, az=203/142,4C,Azores-Cape St. Vincent Ridge

Main table for 2019 MAY, columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Vila Bisbo, Marneleite, Sao Teotónio, Messejana, etc.

Table for 2019 MAY, columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PCBR, AVE, Manteigas, Viseu, Smir Damir, etc.

IDC 17 12:03:30.2;1.3,1:52N,126:31E,h0km,mb3.9/5, mbtmp3.9/6,ML3.7/1, Error ellipse: s-maj=110.0km s-min=18.0km az=68.0 DUA 17 12:03:30.0;0.7,2:3N,127:17E,h15km,11km,M3.9/11, mb4.8/1,mb4.1/1,MLV3.8/11,Mw(mb)4.0/1

Table for 2019 MAY, columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Table for 2019 MAY, columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CM13 Chiang Mai Arr, CM01 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

NSSP 17 12:14:42.6,38:52N;43:75E,h10km,Ms3.0 AFAD 17 12:14:45.0,38:67N;43:72E,h7km,2km,ML2.7 ISK 17 12:14:46.0,38:62N;43:54E,h11km,ML2.7/7, Error ellipse: s-maj=1.1,0.38:60N;0:04:43.71E,0:03,h17km,8km, n21,az125/37,Turkey

Table for 2019 MAY, columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like OZAP Van, Ozalp-Mer, TVAN Van, etc.

CRAAG 17 12:20:19.5,36:05N;4:12E,MI4.0,Algerie 03km SW Ben-Daoud IDC 17 12:20:20.6;1.2,35:99N;4:17E,h0km,mb3.6/5, mbtmp3.6/8,ML3.3/3,MS2.6/6, Error ellipse: s-maj=28.1km s-min=22.0km az=168.0

MDD 17 12:20:22.0;0.6,35:93N;4:22E,h10km,6km,MB4.5/36, M,mb4.0/36, Error ellipse: s-maj=7.2km s-min=2.7km az=150.0

CNR/M 17 12:20:31.4,36:01N;3:17E,h10km,ML4.0 ISC 17 12:20:21.8;0.6,36:06N;0:03:41.0E,0:02,h10km,n87, az=173/103,mb3.6/5,17C,Northern Algeria

Main table for 2019 MAY, columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AKET Djebel Ketaf, ATAF Djebel Tarf, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Op, ISC, h m s, ISC. Includes stations like TWG Pinlang, SSS Sandimen, TSMG Majia, etc.

ASIES 17:13:26.21.6, 22.73N; 120.78E, h36km, ML3.8, Mw3.6. Moment Tensor Solution. Moment tensor: Scale 10^21 Nm...

JMA 17:13:36:21.6, 22.73N; 120.78E, h36km, ML3.8, B. TAP 17:13:36:21.6, 22.73N; 120.78E, h36km, ML3.8, B

Large table listing station codes and names for Taiwan region, including TWG, SSS, TSMG, MASBT, etc.

Main table listing station codes and names for various regions including ECBN, CHN2, CHN5, EHY, etc.

CGG 17:13:51:35.9, 0.3, 13.18N; 90.10W, h26km; 3km, MD3.5. Near coast of Guatemala. Code Station Name Az, Phase ID, Time, Res, Op, ISC, h m s, ISC.

CGG 17:13:56:39.7, 0.3, 14.34N; 92.14W, h98km; 42km, MD4.0. Near coast of Chiapas. Code Station Name Az, Phase ID, Time, Res, Op, ISC, h m s, ISC.

BUI 17:14:00:39.0, 27.90N; 139.88E, h449km, mB4.7/16, mB4.9/73. MOS 17:14:00:40.2, 0.8, 27.97N; 139.73E, h452km, mB4.8/49. Error ellipse: s-maj=8.0km s-min=4.1km az=113.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Op, ISC, h m s, ISC. Includes stations like CBJI, CJC, JCJ, JCH, BSO1, JMN, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like USA0B, USRKR, SSSLB, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like SANI, LUWI, PZH, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like WRAB, WRB, WRA, etc.

2019 MAY

17d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CFR Carcaiu, HWUT Hardware Ranch, TPGR Topolog, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AOBQ Agaba, ELFZ Elifaz, BEOR Beer Ora, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB11 IPOC Station P, TA01 Diego Aracena, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GRN Grenoble, ORIF Oris-en-Rattie, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SJA 17:14:16.21.9, NEIC 17:14:16.22.7, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NNA Nana, CO01 Juntas del Tor, etc.

Mn-3.63; Mm0.30; Mm3.32; Mn1.65; Mm0-0.15; Mm1-1.10; Fault plane solution: M=4.01000x10^16 NP1; ...

ISC 17 14:16:23.9-0.4, 19.795x0.03x70.16W-0.04, h74km, 3km, h74km; PP-P, n476, c1945/443, mb5.1/132, 13C-11D, Near coast of northern Chile

ISC 17 14:11:06.5-2.2, 6.63S; 130.20E, h0km, mb3.8/1, mbtmp4.0/4, ML4.1/3, Error ellipse: s-maj=89.6km

ISC 17 14:11:17.9-1.8, 7.55S; 0.1x130.5E-0.1, h10km, n12, c177/173, Tanimbar Islands region

ISC 17 14:13:55.3-3.6, 24N-92.71E, h0km, mb3.5/5, mbtmp3.5/5, MS2.5/1, Error ellipse: s-maj=354.2km

SJA 17:14:16.21.9-0.6, 19.85S; 70.23W, h89km, 4km, ML5.1, Mw4.9; NEIC 17:14:16.22.7, 19.82S; 70.66W, h60km, Moment Tensor Solution

Table with columns for call sign, name, frequency, and other details. Includes entries for CFA, CZSB, SAMIL, VA06, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries for ANIL, ROSC, DIAM, NORC, RUSC, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries for TXAR, WHAR, LCAR, ALPN, WCI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Atsumi, Hinai, Ohasama, Ichinoseki, Awa shima, Okura, Shirataka, Iwasaki, Nango, Marumori, Tenmabayashi, Sado, Ohtata, Matsushiro Arr, Ermo, Erimo, Marumori, Kurchatov Arra, Borovoye Array, Warramunga Arr, Mina Array Be.

IDC 17 14:31:49.9.2.3, 7.63N-93.31E, h0km, mb3.5/5, mbtmp3.5/6, ML3.8/1, MS3.5/4, Error ellipse: s-maj=87.4km s-min=24.0km az=62.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Prapat, Chiang Mai Arr, H08S3 Diego Garcia H, H08S2 Diego Garcia H, H08S1 Diego Garcia H, MKAR Makanchi Array, KURBB Kurchatov Arra, ZALV Zalesovo Beam, WRA Warramunga Arr, ASAR Alice Springs, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, MLR Muntele Rosu, FINES FINESS Array B, ARCES ARCESS Array B.

IDC 17 15:06:51.3.1.8, 7.38N-94.01E, h0km, mb3.6/4, mbtmp3.7/6, ML3.7/2, Error ellipse: s-maj=46.4km s-min=30.0km az=55.0

ISC 17 15:06:54.2.1.3, 7.4N-92.04E, 0.0, n12, o081/6, mb3.7/4, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Chiang Mai Arr, Pallekele, H08S3 Diego Garcia H, H08S2 Diego Garcia H, H08S1 Diego Garcia H, MKAR Makanchi Array, KURBB Kurchatov Arra, ZALV Zalesovo Beam, WRA Warramunga Arr, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS.

IDC 17 15:13:32.0.3.5, 14.51N-54.87E, h0km, mb3.7/10, mbtmp3.7/10, MS3.5/14, Error ellipse: s-maj=78.1km s-min=25.5km az=21.0

ISC 17 15:13:34.2.3.3, 14.5N-54.9E, 0.0, h14km, n33, o079/14, mb3.9/14, MS3.5/14, Owen Fracture Zone region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Garni, Khabaz, Ambhodratompo, AKTO Aktyubinsk, BELG Belogomoye, MKAR Makanchi Array, LSZ Lusaka, KURBB Kurchatov Arra, AKASG Malin Array Be.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Arti, CMAR Chiang Mai Arr, KIRV Kirov, ZALV Zalesovo Beam, SOKA Sboth, ARSA Arzberg, OBKA Conrad Observa, GERES GERESS Array B, LBTB Lobatse, FINES FINESS Array B, BOSB Boshof, SONM Songino Array, NOA NORSTAR Array B, SUR Sutherland, NRK Noril'sk, H04N1 CROZET ISLANDS, H04N2 CROZET ISLANDS, H04N3 CROZET ISLANDS, KSR5 Korea Arra, H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, RES Resolute Bay.

IDC 17 15:14:01.7.0.9, 6.62S, 154.85E, h0km, mb4.0/13, mbtmp4.0/14, ML2.4/1, MS3.0/2, Error ellipse: s-maj=91.2km s-min=18.7km az=125.0

ISC 17 15:14:09.6.0.8, 6.65S, 154.85E, 0.1, h56km, n17, o151/17, mb4.1/13, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Port Moresby, GUMU Gumbo, WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, PETK Petropavlovsk, CMAR Chiang Mai Arr, SHEM Shemya Is, Ala, MKAR Makanchi Array, ILAR Eielson Array, QSPA South Pole Qui, ZALV Zalesovo Beam, MAW Mawson, KURBB Kurchatov Arra, NVAR Mina Array Be, BVAR Borovoye Array, TORD Tori Ar. Bea.

IDC 17 15:14:28.3.0.8, 7.48N-94.21E, h0km, mb4.1/15, mbtmp4.0/17, ML4.0/2, MS2.9/2, Error ellipse: s-maj=31.8km s-min=17.8km az=62.0

NDI 17 15:14:30.3.1.6, 7.52N-94.40E, h10km, mb4.3, ML4.3, MV4.4

NEIC 17 15:14:30.4.1.8, 7.6N-94.1.9, 4E:0.1, h10km, 1km, mb4.5/16, Error ellipse: s-maj=21.1km s-min=13.3km az=229.0

ISC 17 15:14:30.0.5.7, 5.72N-104.943E, 0.05, h10km, n51, o1944/53, mb4.3/23, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like CAMPBELL BAY, CMBY, LHMI Lhok Sumawe, PBA Port Blair, PBA, PBA, SRIT Rantau Timara, DGPR DIGLIPUR, DGPR, DGPR, PSI Prapat, PSI, PSI, RPSI Rantau Prapat, KULM Kulim, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, PALK Pallekele.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Vishakhapatnam, Chennai, Aizawl, Kuching, Imphal, Trivandrum, Sibiu, Everest, Lhasa, Lahad Datu, Diego Garcia H, Diego Garcia H, Tolitoli, YULB Yuli, GAR Garr, Makanchi Array, Songino Array, Kurchatov Arra, Kurk Kurchatov, ZALV Zalesovo Beam, Borovoye Array, Ar Rayn, Alice Springs, ABKAR Akbulak array, Keskin Arra, CROZET ISLANDS, CROZET ISLANDS, Tiksi, FINESS Array B, Boshof, ARCES ARCESS Array B, GERES GERESS Array B, Hagfors, NB2 NORSTAR Array B, NOA NORSTAR Arr B, Spitsbergen Arr, Eskdalemuir Arr.

BUI 17 15:18:10.8, 1.93N-129.07E, h218km, mb4.6/12, mb4.6/55, NEIC 17 15:18:17.4.2.1, 2.71N-108.08E, 128.7E:0.1, h207km, 7km, mb4.7/42, Error ellipse: s-maj=16.7km s-min=12.1km az=96.0

MOS 17 15:18:18.7.0.8, 2.63N-128.69E, h241km, mb4.5/18, Error ellipse: s-maj=14.8km s-min=7.1km az=104.8

IDC 17 15:18:19.7.1.4, 2.57N-128.64E, h234km, 13km, mb4.1/24, mbtmp4.6/24, Error ellipse: s-maj=15.3km s-min=7.4km az=81.0

DJA 17 15:18:21.0.3.3, 3.1N-2.12E, h226km, 2km, M4.4/23, mb4.3/23, MB4.9/6, ML4.6/18, MW(MB)4.1/6

ISC 17 15:18:21.4.0.3, 3.254N-0.074E, h235km, n164, o1965/180, mb4.5/68, 13C-3D, Halmahera region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Ternate, Sangei, Songo, Cibinong, Davao City (W), Davao City (W), Masohi, Tana Toraja, Bone, Sidrap Palu, Sarmi, Bulukumba, Bau Bau, Buton.

17d 15h

Table of astronomical observations for 17d 15h, listing objects like GENI, MMRI, SOEI, etc., with columns for name, coordinates, magnitude, and other parameters.

2019 MAY

Table of astronomical observations for 2019 MAY, listing objects like XAN, STKA, STKA, etc., with columns for name, coordinates, magnitude, and other parameters.

966

Table of astronomical observations for 966, listing objects like E19K, VANDA, VANDA, etc., with columns for name, coordinates, magnitude, and other parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MAKZ Makanchi, MORW Morawa, etc.

IDC 17 15:32:48.9s, 3.8, 59.28N-28:57E, h0km, mbtmp2/21, ML1.0/13, Error ellipse: s-maj=41.6km s-min=24.3km az=62.0

EST 17 15:32:49.0s, 1.5, 59.23N-28:57E, h0km, ML1.1 (HEL), Explosion

ISC 17 15:32:46.6s, 1.5, 59.27N-0:04:28.73E, 0:07, h0km, m16, 0558/23, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EE04 Vaivara Sinima, VSU Vasula, etc.

WEL 17 15:37:28.2s, 0.7, 39.5S, 3x17.5E, h5km, 2km, M0.7/8, ML1.0/13, MLv0.7/8, Error ellipse: s-maj=4.4km s-min=3.2km az=122.5, confirmed, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FWWZ Far West T-bar, COVZ Chateau Observ, etc.

JMA 17 15:37:35.0s, 0.2, 23.5N, 1:0:12.1E, h46km, 2km, MV3.7/9, TAIWAN REGION

TAP 17 15:37:37.1, 23.49N, 121.48E, h42km, M0.4, H3

ISC 17 15:37:37.4s, 1.2, 23.47N, 0:02:12.53E, 0:02, h35km, m187, 0:13/292, 27C-18D, Taiwan

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

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EYUL Yuli, YULI Yuli, JICHI Village, etc.

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

IDC 17 15:37:45.8s, 1.8, 40.06S, 176:80E, h0km, mb3.8/3, mbtmp3.8/4, ML3.2/1, Error ellipse: s-maj=43.6km s-min=14.6km az=112.0

NOU 17 15:37:49.2s, 40:21S, 176:93E, h54km, MLv4.0/12, North Island, New Zealand

WEL 17 15:37:51.0, 40.06S, 176:80E, h20km, ML3.8, Mv3.8, Moment Tensor Solution, s5 Moment tensor: Scale 10^14

ISC 17 15:37:50.0s, 0.6, 40.05S, 2x17.7E, s, h14km, 4km, M4.0/13, ML4.3/13, MLv4.0/13, Error ellipse: s-maj=3.2km s-min=2.3km az=133.7, confirmed

ISC 17 15:37:50.4s, 0.8, 40.01S, 0:02:17.67E, 0:03, h33km, 2km, n133, 0:08/7149, mb3.8/3, North Island

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

17d 16h

Table with columns: ANWZ, HNPS, PNHZ, etc. Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Angora Road, Havlock North, Pukenui, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Osh, Salom-Alik, etc.

Table with columns: CMAP, H0BS1, H0BS2, etc. Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Diego Garcia H, Kurbatov Arra, etc.

SOME 17 15:47:33.4, 38.95N:73.55E, h5km
NCC 17 15:47:36.5, 1.4, 39.07N:73.50E, h0km, mb3.8, mpv3.3,
Error ellipse: s-maj=10.1km s-min=6.4km az=167.0

17 16:11:22.3:12.0, 7.03N:93.89E, h0km, mb3.5/4,
mbtmp3.5/4, Error ellipse: s-maj=613.6km
s-min=31.0km az=57.0, Nicobar Islands region

17 16:11:22.3:12.0, 7.03N:93.89E, h0km, mb3.5/4,
mbtmp3.5/4, Error ellipse: s-maj=613.6km
s-min=31.0km az=57.0, Nicobar Islands region

17d 17h

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

NEIC 17 16:59:57.7-1.6, 47.57N, 0.05-92.55W, 0.07, h0km, 2km, mb Lg2.9/3.0, Error ellipse: s-maj=10.0km s-min=7.2km az=212.0

IDC 17 16:59:58.2-3.0, 47.58N, 92.60W, h0km, mbLg2.9/3.0, ML2.2/2, Error ellipse: s-maj=32.7km s-min=17.5km az=81.0

ISC 17 16:59:55.7-0.8, 47.56N, 0.04-92.67W, 0.05, h0km, n26, alpha=108.17, Minnesota

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC, h, m, s, ISC. Includes stations like EYMN, E38A, EPLO, etc.

SSNC 17 17:02:30.1-2.2, 18.56N, 70.36W, h5km, MD4.0, ML3.7, MW4.2
NEIC 17 17:02:31.7-2.1, 18.50N, 0.05-70.59W, 0.03, h18km, 6km, ML3.9/3.6, Error ellipse: s-maj=7.2km s-min=3.1km az=197.0
SDD 17 17:02:32.7-1.5, 18.49N, 70.61W, h12km, 20km, MD3.9, ML3.9, MW3.9
OSPL 17 17:02:35.1-1.7, 18.49N, 70.74W, h1km, 9km, ML3.4
ISC 17 17:02:31.5-0.8, 18.48N, 0.03-70.57W, 0.02, h17km, 6km,

2019 MAY

Main table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC, h, m, s, ISC. Includes stations like n61, BANI, Alto Bandera, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC, h, m, s, ISC. Includes stations like GRTK, Puerto Rico Se, etc.

IDC 17 17:02:32.4-1.0, 7.38N, 94.05E, h0km, mb3.9/12, mbmp3.9/14, ML4.2/2, MS3.6/8, Error ellipse: s-maj=41.3km s-min=17.5km az=54.0

NDI 17 17:02:33.7-0.6, 7.51N, 94.49E, h13km, ML4.1, MW4.2

NEIC 17 17:02:34.1-1.6, 7.57N, 0.07-94.40E, 0.09, h10km, 1km, mb4.3/2.8, Error ellipse: s-maj=16.2km s-min=9.8km az=239.0

DJA 17 17:02:39.4-0.5, 8.7N, 3.95E, h10km, M4.5/8, mb5.5/3, ML4.5/8, Mw(mb)5.0/3

ISC 17 17:02:34.1-0.4, 7.54N, 0.04-94.32E, 0.05, h10km, n87, alpha=184.82, mb4.2/2.7, MS3.7/8, 1C-1D, Nicobar Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC, h, m, s, ISC. Includes stations like CMBY, CAMPBELL BAY, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H08S1 Diego Garcia H, KAPI Kappang, GTA Gaota, etc.

HLL 17:17:02:45.2-0.2, 67.08N-20.82E, h0km, ML2.2, Explosion
UPL 17:17:02:45.4-0.1, 67.08N-20.94E, h0km, ML2.4, Unknown
IDC 17:17:02:46.9-0.8, 67.08N-21.04E, h0km, mbtmp3.1/5,

ML2.2/5, Error ellipse: s-maj=15.5km s-min=7.9km az=101.0

ISC 17:17:02:45.6-0.7, 67.09N-0.02-20.91E, 0.02, h0km, n46,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DUNU Dundret, MASU Masungbyn, ERTU Ertsjaerv, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KALU baz=321, SJUU Sjujsmark, HEF Hetta, etc.

NEIC 17:17:08:01.5-1.4, 40.67N-0.04-127.27W, 0.1, h13km, 9km,
ML3.3/64, ML3.1/6(NCEDC), Error ellipse: s-maj=14.8km
s-min=4.0km az=103.0

NCEDC 17:17:08:01.7-4.5, 40.38N-0.07-127.37W, 0.1, h10km, 2km,
Error ellipse: s-maj=15.4km s-min=11.5km az=257.0

IDC 17:17:08:06.7-2.3, 41.15N-126.67W, h0km, mb3.3/4,
mbtmp3.4/7, ML3.6/3, MS3.0/6, Error ellipse: s-maj=38.2km
s-min=21.3km az=34.0

ISC 17:17:08:02.1-1.7, 40.89N-0.06-127.17W, 0.1, h10km, n70,

17:17:04:67, mb3.4/4, Off coast of northern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KCTM Capetown, PETL Petrolia, KMPM Mount Pierce, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBOR comp=E,25nm,3.1s, I03D Drain, OR, etc.

IDC 17:17:18:06.8-1.9, 7.38N-94.08E, h0km, mb3.8/7,

mbtmp3.8/8, ML3.9/1, MS3.2/4, Error ellipse: s-maj=60.0km

s-min=29.3km az=58.0

ISC 17:17:18:10.8-1.4, 7.5N-101.94E, 0.02, h20km, n18, c090/9,

mb3.8/7, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PSI Prapat, CMAR Chiang Mai Arr, CMAR Chiang Mai, etc.

IDC 17:17:35:49.3-12.0, 7.87N-93.69E, h0km, mb3.5/4,

mbtmp3.5/5, MS2.6/1, Error ellipse: s-maj=620.0km

s-min=30.9km az=57.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, H08S2 Diego Garcia H, etc.

17d 18h

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

HEL 17:17:36:28.3:0.2:67.66N:34.26E, h0km, ML1.8, Explosion
KOLA 17:17:36:28.8:67.67N:34.30E, h0km, ML2.1, Error ellipse:
s-maj=3.4km s-min=1.4km az=120.0, Murmansk region,
Kirovsk district
IDC 17:17:36:30.2:2.1, 67.71N:33.86E, h0km, mbmp3.2/3,
ML2.3/3, Error ellipse: s-maj=22.8km s-min=11.3km
az=76.0

ISC 17:17:36:27.5:0.9, 67.65N:03.3437E:0.04, h0km, n31,
r1536/51, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like LVZ Lovozero and APA Apatity.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like OLKF Oulanka and RAJF Rajia-Jooseppi.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like RAJF Rajia-Jooseppi and MSF Maaseela.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like MSF Maaseela and KLF Kolar.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like KLF Kolar and HEF Hetta.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like HEF Hetta and KTK1 Kautokeino.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like KTK1 Kautokeino and PAJU Pajala.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like PAJU Pajala and I37NO I37NO.

IDC 17:18:00:40.1:1.9, 56.75S:148.45E, h0km, mb3.8/6,
mbmp3.8/6, MS3.7/4, Error ellipse: s-maj=153.6km
s-min=18.2km az=80.0
ISC 17:18:00:41.0:2.1, 56.75S:148.45E, h10km, n23, r0661/8,
mb3.9/6, MS3.7/4, West of Macquarie Island

2019 MAY

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

IDC 17:18:16:01.4:575.0, 7.73S:118.10E, h0km, Error ellipse:
s-maj=364.1km s-min=98.4km az=120.0, Flores Sea
Code Station Name Az Az' Phase ID Op ISC 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 I07AU WARRAMUNGA INF9.86 and I39PW PALAU INFRASTR22.34.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like I04AU SHANNON INFRA25.78 and SJA 17:18:23:09.0:0.5, 23.15S:68.91W.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like GUC 17:18:23:10.1:0.7, 23.16S:68.91W and AF01 San Pedro de A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like AF01 San Pedro de A and AF01 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like AF01 IPOC Station P and PB05 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like PB05 IPOC Station P and PB10 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like PB10 IPOC Station P and PB14 IPOC Station P.

IDC 17:18:27:46.8:1.5, 32.53N:132.25E, h0km, mb3.5/2,
mbmp3.3/4, ML2.6/2, Error ellipse: s-maj=33.9km
s-min=19.4km az=45.0
NIED 17:18:27:50.8, 32.71N:132.29E, h36km, MW3.7, Moment
Tensor Solution. s' Moment tensor: Scale 10^14Nm;
Mm=2.99; Mss=0.53; Nmm=2.47; Me=1.21; Mss=0.35; Mm=1.58;
Fault plane solution: M0:3.8000x10^14 NPT:1.00000;
delta:0.0000; phi:11.00000; NP:204.00000;
delta:0.00000; phi:11.00000; NP:204.00000;

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like JNU Nakatsue and JNU Takasaki.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like JNU Takasaki and JNU Korea Array.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like JNU Korea Array and MJAR Matsushiro Arr.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like ASAR Alice Springs and CMBY CAMPBELL BAY.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like CMBY CAMPBELL BAY and CMBY Camp-E.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like CMBY Camp-E and BSJ Banda Aceh.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like BSJ Banda Aceh and LHM LHM.

IDC 17:18:29:22.1:0.6, 7.58N:94.37E, h0km, mb4.1/19,
mbmp4.1/21, ML3.8/2, MS3.5/17, Error ellipse:
s-maj=27.8km s-min=13.7km az=57.0
NEIC 17:18:29:24.2:1.4, 7.69N:0.08:94.4E:0.1, h10km, 1km,
mb4.7/40, Error ellipse: s-maj=19.8km s-min=11.1km
az=238.0
NDI 17:18:29:24.0:2.3, 7.57N:94.50E, h15km, 17km, mb4.5,
ML4.5, MW4.5
DJA 17:18:29:27.1:2.8, 7.8N:3.9E, h12km, 9km, M4.6/19,
mb4.6/19, mb5.1/6, MLV4.7/11, Mw(MB)4.5/6
BKK 17:18:29:32.0:2.3, 8.1N:13.9S, 5.1/6, h10km, M4.2/21,
mb4.5/6, mb4.2/16, Mw(MB)4.9/1, Mw(MB)4.5/6,
Mw(MB)3.6/6, Mw(Mw)4.9/1, Mw(Mw)5.2/1
ISC 17:18:29:33.7:0.3, 7.54N:0.04:94.24E:0.04, h10km, n127,
r1543/123, mb4.5/40, MS3.5/12, Nicobar Islands region

Table with columns: STA, Name, Az, El, P, S, R, Az, El, P, S, R, Az, El, P, S, R. Includes stations like Gaotai, Nilore, Kabul, Taragay, Sorong, Simiganj, etc.

Table with columns: STA, Name, Az, El, P, S, R, Az, El, P, S, R, Az, El, P, S, R. Includes stations like Kuna River, Etlivuk River, Redstone River, etc.

Table with columns: STA, Name, Az, El, P, S, R, Az, El, P, S, R, Az, El, P, S, R. Includes stations like San Fco. de Ma, San Juan, San Antonio, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SWI Sorong, LZB Uzynbulak, and various others.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, and various others.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BELG, EIL Elat, STKA, and various others.

Table of astronomical objects with columns for name, coordinates, magnitude, and other parameters. Includes objects like LSZ, MLR, BURAR, etc.

Table of astronomical objects with columns for name, coordinates, magnitude, and other parameters. Includes objects like SHEM, BRG, MYKA, GERS, etc.

Table of astronomical objects with columns for name, coordinates, magnitude, and other parameters. Includes objects like E24K, D25K, MDT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Array, ILAR Eielson Array, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include MKAR Makanchi Array, CMAR Chiang Mai Arr, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include KST comp=E,248nm,0.9s, CHMS Chumysh, etc.

Table with columns: Call Sign, Frequency, Power, Modulation, and Notes. Includes stations like JMU, KBL, MK31, MKAR, SMLA, OTUK, etc.

Table with columns: Call Sign, Frequency, Power, Modulation, and Notes. Includes stations like GERES, KURS, KUJ, KUU, CHK, etc.

Table with columns: Call Sign, Frequency, Power, Modulation, and Notes. Includes stations like KURS, KUJ, KUU, CHK, etc.

IDC 17 20:03:55.5:1.9, 43:30N-105:11W, h0km, mb3.5/3, mbtmp3,7/8, ML3,6/5, MS3,5/2, Error ellipse: s-maj=49.5km s-min=8.2km az=149.0

NEIC 17 20:03:55.2:2.4, 43:79N:06:105:3W:0.1, h0km, 1km, ML3,7/7.5, Error ellipse: s-maj=13.8km s-min=9.3km az=60.0

ISC 17 20:03:57.2:0.8, 43:78N:0:106:105:20W:0:0.6, h0km, n66, a181/63, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RSDS, K22A, K22A, K22A, etc.

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

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

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

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

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

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

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

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

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

Table with columns: ID, Name, Azimuth, Elevation, Position, Time, Residual. Includes stations like Wainwright, Kokolik River, Nanvaranak Lak, etc.

IDC 17 21:00:28.8-4.6, 12.224N-46.12E, h0km, mb3.5/7, mblmp3.5/7, MS3.5/7, Error ellipse: s-maj=103.0km s-min=37.0km az=21.0

ISC 17 21:00:28.3-4.5, 11.8N-07.459E-0.3, h13km, n13, s=1947, mb3.77, MS3.5/7, Western Gulf of Aden

Table with columns: Code, Station Name, Azimuth, Elevation, Position, Time, Residual. Includes stations like Elat, Mount Meron Ar, Lusaka, etc.

NEIC 17 21:08:56.6-0.5, 19.29N-0.03-155.21W-0.04, h10km, 2km, Error ellipse: s-maj=6.6km s-min=1.3km az=130.0

HVO 17 21:08:56.7-0.5, 19.30N-0.03-155.21W-0.04, h7km, 2km, ML2.5/38, ML2.4/40(NEIC), Error ellipse: s-maj=6.2km s-min=1.1km az=130.0, Hawaiian Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Position, Time, Residual. Includes stations like Pauahi, Keanakakoi, Rim, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Position, Time, Residual. Includes stations like Steam Cracks, Halema'uma'u T, West Rim, etc.

IDC 17 21:41:43.7-1.4, 32.64N-85.18E, h0km, mb3.2/2, mblmp3.3/5, ML3.3/3, Error ellipse: s-maj=40.4km s-min=25.6km az=62.0

ISC 17 21:41:46.0-1.2, 32.72N-01.852E-0.2, h16km, n6, s=1935/6, Xizang

Table with columns: Code, Station Name, Azimuth, Elevation, Position, Time, Residual. Includes stations like Makanchi Array, Kurchatov Arra, etc.

IDC 17 21:45:00.8-0.8, 55.72N-113.59E, h0km, mb3.7/14, mblmp3.7/19, ML3.6/5, MS3.3/4, Error ellipse: s-maj=17.3km s-min=11.6km az=154.0

MOS 17 21:45:01.0-1.4, 55.64N-113.77E, h11km, mb4.0/3, Error ellipse: s-maj=11.1km s-min=6.6km az=82.9

BYKL 17 21:45:02.0-1.0, 55.68N-113.75E, h15km, 2km

ISC 17 21:45:02.0-1.0, 55.79N-113.85E-0.02, h9km, 7km, n83, s=62/129, mb3.8/15, MS3.3/3, 7C-4D, East of Lake Baykal

Table with columns: Code, Station Name, Azimuth, Elevation, Position, Time, Residual. Includes stations like Uakit, Severomuyk, Uoyan, Buryati, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Position, Time, Residual. Includes stations like KMO, YLYR, BOD, etc.

17d 21h

Table of station data for 17d 21h, including columns for station name, frequency, power, and other technical details.

2019 MAY

Main table of station data for 2019 MAY, including columns for station name, frequency, power, and other technical details.

982

Table of station data for 982, including columns for station name, frequency, power, and other technical details.

IDC 1721:47:25.8;3.0,42.73N;46.88E,h0km,mb3.3/3, mbmp3.4/5,ML3.0/2,MS2.3/2,Error ellipse: s-maj=71.1km

s-min=11.2km az=4.0 MOS 1721:47:27.6,42.98N;47.02E,h6km,MPVA4.3

TIF 1721:47:28.5,43.00N;47.02E,h2km,1km NORS 1721:47:28.0,42.91N;46.97E,h2km,MPVA4.0

IRS 1721:47:29.0,42.99N;46.98E,h9km DSC 1721:47:29.5;0.9,43.04N;0.02;47.01E;0.02,h6km,7km,

n95,e1536/175,mb3.3/3,7C-3D,Eastern Caucasus

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and other technical parameters.

SNET 1721:50:56.2;1.5,12.58N;88.06W,h31km,ML3.7 CACAT 1721:50:56.8;0.4,13.1N;3.87W,h33km,4km,M3.9/2.4

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and other technical parameters.

Table with columns: Code, Station Name, Az, Az2, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RANC, ALJI, POS, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FNO, ELIS, TUL3, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SNA, PLCA, CPUP, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HATJ, JYNG, IRIF, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JMA, JYNG, IRIF, etc.

Table with columns: WRA, Warramunga Arr, 53.62 190 P, 22 30 23.7 -0.4

BUI 17 22:24:48.7, 45:32N, 124:74E, h10km, mb4.9/29, mb4.8/63, ML5.2/7, Ms6.1/62, Ms7.5/072, IDC 17 22:24:48.9, 0.4, 45:21N, 124:73E, h0km, mb4.4/27, mbmp4.5/34, ML4.2/6, MS4.5/30, Error ellipse: s-maj=10.3km s-min=8.9km az=30.0

KEA 17 22:24:52.5, 1.6, 45:20N, 0.06, 124:62E, 0.09, h16km, 4km, mb4.8/207, Error ellipse: s-maj=9.7km s-min=9.1km az=74.0

USA08 Ussuriysk Arra 5.28 98 P Pn 22 26 10.3 +0.4 USA08 Ussuriysk Arra 5.28 98 i P Pn 22 26 10.3 +0.4 USKR Ussuriysk Arr 5.28 98 P Pn 22 26 09.2 -0.7

HIA Hailar 5.31 322 Pn Pn 22 26 07.2 -3.1 HIA Hailar 5.31 322 P Pn 22 26 07.2 -3.1 MSHR Mys Shuitsa 5.30 117 P Pn 22 26 13.8 +3.2

KLR Kul'dur 6.28 47 Pn Pn 22 26 22.0 -1.6 KLR Kul'dur 6.28 47 Pn Pn 22 26 22.0 -1.6 KLR Kul'dur 6.28 47 Pn Pn 22 26 22.0 -1.6

WOSN Wonsan 6.34 161 P Pn 22 26 48.9 -3.4 WOSN Wonsan 6.34 161 P Pn 22 26 48.9 -3.4 WOSN Wonsan 6.34 161 P Pn 22 26 48.9 -3.4

DL2 Dalian 6.67 201 Pn Pn 22 26 30.4 +1.4 DL2 Dalian 6.67 201 Pn Pn 22 26 30.4 +1.4 DL2 Dalian 6.67 201 Pn Pn 22 26 30.4 +1.4

17d 22h

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like KSRS, KSAR, WJWU, BJW, etc.

2019 MAY

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like OKH, OKK, OKH, etc.

984

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like PET, GYA, GYA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like GURO, JMJC, PABE, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like CHVC, KRLC, DPC, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like PDG, GBRs, CEY, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, ISC, h, m, s, ISC, Time Res, Res. Rows include stations like Montottone, Elicito, Corinaldo, etc.

Station lists and descriptions for stations in the 987 region, including coordinates and station details.

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

2019 MAY

Main table of seismic events for May 2019. Columns include: Code, Station Name, Azimuth, Phase ID, ISC, h, m, s, ISC, Time Res, Res. Rows include events like PMG, HNR, JAY, etc.

17d 22h

Table of seismic events for the 17d 22h period. Columns include: Code, Station Name, Azimuth, Phase ID, ISC, h, m, s, ISC, Time Res, Res. Rows include stations like AS01, AS31, ASAR, etc.

Table with columns: IATA, City, ICAO, Altitude, Class, Status, Price, and other flight details. Includes routes like Ouz Omahuta, PSAD2 Pilbara Seismi, MBWA Marble Bar, etc.

Table with columns: IATA, City, ICAO, Altitude, Class, Status, Price, and other flight details. Includes routes like JCY Jackson Bay, PCJ1 Pacitan, PLWZ Palliser, etc.

Table with columns: IATA, City, ICAO, Altitude, Class, Status, Price, and other flight details. Includes routes like JTM Tenmabayashi, HKPS Hong Kong Po S, SSE Sheshan, etc.

Table of flight arrivals and departures for 989, including airlines like USR, BKN, TIA, PPI, KUL, MDJ, MNS, SISI, CN2, LYN, PSI, NAY, HNS, BNI, SKR, GSI, KHU, BJI, COCO, TIY, XAN, and destinations such as Bangkok, Taian, Padang Panjang, Shenyang, Mandailing Nat, Saibi, LuoYang, HongShan, BinXian, Beijing, West Island, Taiyuan, and Xi'an.

Table of flight arrivals and departures for 2019 MAY, including airlines like XAN, KLR, LHMI, KMI, MSLI, PPT, PET, CMAR, CHTO, TBI, PZH, XLT, CD2, HEH, HHC, BTO, and destinations such as Kul'dur, Kunming, Meulaboh, Papeete, Petropavlovsk, Chiang Mai Arr, Tubuai, PanZhiHua, Banda Aceh, Chengdu, Heihe, Hu-ho-hao-te, and Baotou.

Table of flight arrivals and departures for 17d 22h, including airlines like SHEM, SMY, TNCH, LZH, PBA, DGPR, IMP, CIT, GTA, NIKH, BRDH, ULN, SONM, SHL, AGT, SEY, GOMU, and destinations such as Shemya Is, Ala, Kanaga Island, Adak, Imphal, Chita, Gaotai, Nikol'ski High, Bariadghala, Ulaanbaatar, Songino Array, Nuku Hiva Isla, Shillong, Agartala, Ulaalaska Valle, Seymchan, Saint George I, and GeErliu.

Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzS, ElS, AzP, ElP, AzS, ElS, AzP, ElP. Rows include stations like GHO, KNK, C18K, etc.

Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzS, ElS, AzP, ElP, AzS, ElS, AzP, ElP. Rows include stations like D20K, F21K, WUS, etc.

Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzS, ElS, AzP, ElP, AzS, ElS, AzP, ElP. Rows include stations like COLD, SATY, ZHN, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and various numerical values. Includes entries like L27K Beaver Creek, AAA Alma-Ata, BCAR Bearman Lake, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and various numerical values. Includes entries like FRU1 Bishkek, L29M L29M, BESE Bessie Mountain, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and various numerical values. Includes entries like M31M Drury Creek, Q32M Nakina River, G29M Pine Creek, etc.

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., IAMS_20, IAMS_21, etc.). Includes stations like Sidney, Tendick Farm, Borovoye Array, etc.

Table with columns for station ID, name, frequency, and various signal quality metrics. Includes stations like Pahroc Range, Nelson, Blythe, Spring Creek 3, etc.

Table with columns for station ID, name, frequency, and various signal quality metrics. Includes stations like HOPEN, Spitsbergen Ar, Spitsbergen Ar, Kingsbay, etc.

Table containing station information for the left column, including call letters, frequency, and various signal quality metrics.

Table containing station information for the middle column, including call letters, frequency, and various signal quality metrics.

Table containing station information for the right column, including call letters, frequency, and various signal quality metrics.

Table with columns for event name, date, time, and various status codes. Includes entries like '995 CLL comp=Z,18nm,0.8s pmax pmax', 'TREV Trebinje 124.77 320 eP PKPdf', and 'MAHO Mahon 134.95 326 IAMS_20 IAMS_20'.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for TOR, BDFB, DBIC, and NEIC.

NEIC 17 23:02:32.8, 1.3, 3.25S, 0.06x139.87E, 0.06, h35km, 1km, mb5.0/78, Error ellipse: s-maj=13.1km s-min=3.1km

BUI 17 23:02:35.2, 3.29S, 140.29E, h94km, mb5.0/1, mb4.8/51

MOS 17 23:02:37.1, 0.8, 3.12S, 139.90E, h104km, mb4.7/15, Error ellipse: s-maj=9.8km s-min=6.8km az=106.6

IDC 17 23:02:37.0, 9.0, 3.37S, 139.82E, h98km, mb4.2/20, mbmp4.7/23, Error ellipse: s-maj=14.0km s-min=7.7km az=96.0

DJA 17 23:02:39.0, 0.2, 3.2S, 141.0E, h98km, 2km, M5.3/76, mb5.2/76, mb5.7/28, MLV5.9, Mw(MB)5.2/28

ISC 17 23:02:38.5, 0.3, 3.35S, 140.4E, h100km, n313, s=1933/288, mb4.8/105, 2C-4D, Irian Jaya

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations including GENI, JAY, SMP, BAKI, etc.

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations including KAPI, PCI, FITZ, HNR, etc.

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations including NWAO, RYGY, BKNI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Vanda, Arslanbob, Tiksi, Scott Base, Garm, Noril'sk, etc.

UPP 17 23:23:55.0-0.6, 7.84N:20.22E, h0km, ML2.2, Unknown
HEL 17 23:23:55.8-0.2, 6.783N:20.24E, h0km, ML1.7, Suspected explosion

IDC 17 23:24:00.8-1.4, 6.783N:21.54E, h0km, mbmp2.6/3, ML1.6/2, Error ellipse: s-maj=22.2km s-min=9.9km az=106.0

ISC 17 23:23:54.7-0.8, 6.783N:0.02-20.33E:0.03, h0km, n29, az=118/43, Sweden

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ERTU, KLF, KTK1, etc.

UPP 17 23:32:11.9-0.0, 6.784N:20.22E, h0km, ML2.2, Unknown
HEL 17 23:32:12.5-0.0, 6.785N:20.21E, h1km, ML1.8, ML2.2(UPP), ML1.9(BER), Confirmed Induced event

IDC 17 23:32:13.5-1.1, 6.777N:20.68E, h0km, mbmp2.8/4, ML2.0/4, Error ellipse: s-maj=18.4km s-min=6.0km az=117.0

BER 17 23:32:14.1-3.1, 6.787N:20.37E, h0km, ML1.9, Confirmed Induced event

ISC 17 23:32:11.7-0.7, 6.783N:0.02-20.27E:0.02, h0km, n44, az=117.0, Sweden

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HFS, GCG 17 23:39:33.2-1.1, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FG8, FG16, ESSG, etc.

IDC 17 23:48:33.4-1.4, 3.80S:152.34E, h0km, mb3.2/2, mbmt3.5/2, Error ellipse: s-maj=184.6km s-min=53.5km az=119.0, New Ireland region

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

IDC 18 00:12:55.5-2.4, 4.47S:152.62E, h0km, mb3.5/3, mbmt3.5/3, MS3.9/1, Error ellipse: s-maj=76.2km s-min=50.2km az=135.0, New Britain region

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

IDC 18 00:14:27.0-0.5, 5.138N:177.92W, h0km, mb4.1/28, mbmp4.1/32, ML3.7/4, MS3.6/5, Error ellipse: s-maj=15.8km s-min=11.7km az=165.0

MOS 18 00:14:30.8-1.2, 5.133N:177.97W, h36km, mb4.5/20, Error ellipse: s-maj=10.2km s-min=7.1km az=92.9

NEIC 18 00:14:33.1-1.9, 5.125N:0.06:177.94W:0.06, h35km, 2km, mb4.3/234, ML4.3(AEIC), Error ellipse: s-maj=10.6km s-min=6.6km az=170.0

AEIC 18 00:14:38.1-3.2, 5.146N:0.05:177.84W:0.10, h10km, 4km, Error ellipse: s-maj=10.5km s-min=5.5km az=128.0

ISC 18 00:14:33.4-1.3, 5.130N:0.08:177.94W:0.04, az=116/354, mb4.3/121, 33C-5D, Andreanof Islands

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

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

18d Oh

Table of 18d Oh data with columns for station ID, name, elevation, frequency, and other parameters.

2019 MAY

Main table of 2019 MAY data with columns for station ID, name, elevation, frequency, and other parameters.

998

Table of 998 data with columns for station ID, name, elevation, frequency, and other parameters.

Table with columns: Name, Frequency, Power, Mode, and other parameters. Includes stations like ISSD, ISCO Idaho Springs, SPITS Spitsbergen Ar, etc.

Table with columns: BRTR, PDG, KIRS, ASAR, ESDC, STKA, RAYN, TOR, H03N2, H03N1, H03N3, DBIC, QSPA, MAW, BOSA, SNA, SNA, NEIC, IDC, ISC, Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Keskin Array B, Podgorica, Kiril Marko, etc.

Table with columns: TOLIZ, FITZ, ASAR, ASS1, ASAR, EIDS, MBWA, PSAAO, STKA, STKA, FOR, BBOO, BBOO, GIRL, VNA, GSPA, IDC, Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Tolitoli, Fitzroy Crossi, etc.

18d 1h

2019 MAY

1000

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various stations like Ratzakli, Kefa, Kyllini, Iliia, G, etc.

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

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

18d 1h: 18:00.1, 38:91N: 141:72E, h84km, mB4.9/13, mB5.0/62, Ms4.1/2, Ms7.4/0.3

18d 1h: 18:00.1, 38:91N: 141:72E, h84km, mB4.9/13, mB5.0/62, Ms4.1/2, Ms7.4/0.3

18d 1h: 18:00.1, 38:91N: 141:72E, h84km, mB4.9/13, mB5.0/62, Ms4.1/2, Ms7.4/0.3

18d 1h

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like USP, E27K, G27K, etc.

2019 MAY

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like C36M, Q32M, R33M, etc.

1002

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like ORV, ORV, ORV, etc.

18d 1h

Table with columns for station name, frequency, power, and other technical details. Includes stations like NLA1 Namlea, MEEK Meeekatharra, and various other regional stations.

2019 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like CHTO Chiang Mai, OOD Oodnadatta, and various other regional stations.

1004

Table with columns for station name, frequency, power, and other technical details. Includes stations like STKA Stephens Creek, PMG Port Moresby, and various other regional stations.

18d 1h

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., S/N, SNR, error rates).

2019 MAY

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., S/N, SNR, error rates).

1006

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., S/N, SNR, error rates).

Table with columns: YAK, comp, Vmax, Vmin, P, S, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Table with columns: BOS, comp, Vmax, Vmin, LR, LR, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Table with columns: LPRS, comp, Vmax, Vmin, Pmax, Pmax, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

18d 1h

Table with columns for station name, frequency, mode, and signal strength. Includes stations like BELA, AK09, SORM, JMB, AK10, etc.

2019 MAY

Table with columns for station name, frequency, mode, and signal strength. Includes stations like KOLS, SIRR, PABE, PABE, SUW, SUW, etc.

1008

Table with columns for station name, frequency, mode, and signal strength. Includes stations like VISS, LJUB, OBKA, OBKA, SPA0, SPA0, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like D24K Happy Valley, STU Stuttgart, E24K Your Choice, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like IVI lviguit, ORV Oroville, CMB Coluna Cole, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like MNTQ Montreal, I49A Point Hope, G65A Princeton, etc.

18d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SDMD Soldier's Deli, U49A Red Rolling Sp, OXF Oxford, etc.

IDC 18 01:53:22.4-8.7, 36.78N-71.33E, h156km, 60km, mb3.5/4, mbmp3.9/10, MS2.9/2, Error ellipse: s-maj=79.2km, s-min=44.7km az=170.0

NMC 18 01:53:23.3-3.4, 37.16N-71.13E, h0km, mb4.3, mpv4.4, Error ellipse: s-maj=28.4km s-min=24.1km az=145.0

ISC 18 01:53:13.2-0.3, 36.4AN, 0.2-7.1E, h100km, n28, 257/31, mb4.0/4, 5C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AML Aimayushu, UCH Uchtor, DZA Taraz, etc.

IDC 18 02:03:43.3-1.6, 4.04N-124.42E, h0km, mb3.8/5, mbmp3.8/5, Error ellipse: s-maj=124.3km s-min=19.9km az=68.0, Celebes Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes FITZ Fitzroy Crossi.

2019 MAY

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

CATAC 18 02:03:46.8-0.6, 13°N, 2°9'0W, h24km, 5km, M4.0/2.5, MLv4.0/2.5, Error ellipse: s-maj=5.2km s-min=3.3km az=23.5, confirmed

GCG 18 02:03:48.3-1.6, 13°30'N, 90°36'W, h19km, 7km, MD4.2, SNET 18 02:03:49-1.7, 13°21'N, 92°11'W, h53km, ML4.0/4.0, ISC 18 02:03:48.1-6.1, 13.14N, 0.06-0.03, h26km, 13km, n96, 409/312, 3C, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes EUBJ San Jos, E, NUBE Las Nubes, NUBE Las Nubes, etc.

PRU 18 02:04:46.1, 50°26'N, 19°02'E, h0km, IPEC 18 02:04:45.9-0.2, 50.21N, 19.06E, h1km, ML1.9/4, Error ellipse: s-maj=2.0km s-min=1.0km az=176.0, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes OJC Ojcow, OKC Ostrava-Krasne, OKC Ostrava-Krasne, etc.

1010

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes STHS Stebnicka Huta, STHS Stebnicka Huta, STHS Stebnicka Huta, etc.

DJA 18 02:12:58.2-0.5, 10°S, 6°10'8E, h10km, M3.8/10, mb4.2/3, MLv3.7/10, South of Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes CMJJ Cimerak, CMJJ Cibinong, UGM Wanagama, etc.

DJA 18 02:15:23.4-0.7, 11°S, 6°11'9E, h10km, M4.0/6, mb4.4/2, MLv3.7/6, South of Sumbawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes WBSI Waikabubak, WBSI Waikabubak, GASI Baing, etc.

IDC 18 02:28:39.2-1.0, 6°87'N, 127°05'E, h0km, mb3.9/8, mbmp3.9/8, Error ellipse: s-maj=41.7km s-min=15.8km az=62.0

ISC 18 02:28:46.5-1.1, 6.38N, 0.2-126.8E, 0.2, h50km, n9, 409/74/9, mb3.9/8, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes DAV Davao City (W), DAV Davao City (W), FITZ Fitzroy Crossi, etc.

CATAC 18 02:50:25.6-0.5, 13°N, 4°8'9W, h36km, 5km, M3.1/13, MLv3.1/13, Error ellipse: s-maj=8.4km s-min=2.8km az=25.0, confirmed

SNET 18 02:50:26.3-1.2, 12°64'N, 88°20'W, h20km, 6km, ML3.1, ISC 18 02:50:25.3-6.2, 12.56N, 0.07-0.03, h37km, 7km, n41, 405/54, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes CSGN Cosiguina Volc, CSGN Cosiguina Volc, POTN Potosi Cosigu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMON Piamonte, TGUH Tegucigalpa,un, JAYH Jayaque - finc, etc.

SJA 18 02:52:24.7-0.8, 33.32Sx70.37W, h105km, 2km, ML3.7, MW3.8

GUC 18 02:52:25.7-0.8, 33.33Sx70.34W, h105km, 2km, ML4.0

NEIC 18 02:52:26.0-0.6, 33.31Sx0.04-0.7, h98km, 2km, mb4.4/13, Mw4.2(GUC), Error ellipse: s-maj=8.1km s-min=6.1km az=85.0

IDC 18 02:52:27.4-3.5, 33.27Sx70.11W, h109km, 29km, mb3.6/5, mbmp3.8/8, MS4.5/1, Error ellipse: s-maj=36.6km s-min=26.7km az=80.0

ISC 18 02:52:25.9-0.6, 33.30Sx0.02-0.7, h100km, 4km, n105, 019/153, mb4.3/11, 9C-4D, Chile-Argentina border region

Main station list for 1011, including stations like FCH Farellones, MT10 Hacienda Santa, MT14 Cerro Caljn, etc.

Main station list for 2019 MAY, including stations like AAGR Agrelo, BO02 Sierra Bellavi, BO02 Sierra Bellavi, etc.

Main station list for 18d 3h, including stations like CTAO Charters Tower, STKA Stephens Creek, BBOO Buckleboo, etc.

IDC 18 03:14:51.0-5.5, 5.56Sx151.35E, h58km, 46km, mb3.8/7, mbmp4.1/8, ML2.2/1, MS3.4/4, Error ellipse: s-maj=28.5km s-min=28.5km az=126.0

ISC 18 03:14:50.9-1.0, 5.55Sx0.2-1.5, 14E-0.2, h57km, n11, 0097/10, mb4.0/7, MS3.4/3, New Britain region

Main station list for 18d 3h, including stations like PMG Port Moresby, WRA Warramunga Arr, DZM Mont Dzumac, etc.

IDC 18 03:28:46.0-0.9, 25.73Nx125.70E, h0km, mb3.7/12, mbmp3.7/14, ML3.7/2, MS3.7/15, Error ellipse: s-maj=22.5km s-min=19.1km az=46.0

NIED 18 03:28:47.9, 25.88N-125.57E, h27km, MW4.3, Moment Tensor Solution, s3 Moment tensor: Scale 1015N; Mn:0.08, Mns:0.04, Mns:0.04, Mns:0.24, Mns:2.01, Mer:1.07, Falt plane: strike-slip, Ms:0.060x1015 NIP, v:352.0000, 342.0000, 1.75.0000. NP2: q:85.0000, 887.0000, 448.0000.

JMA 18 03:28:47.9-0.2, 26.1N x 126.6E, h27km, MD4.5/21, MW4.1/21, NW OFF MIYAKOJIMA ISLAND

ISC 18 03:28:51.8-1.1, 25.62N, 0.07, h42km, 13km, n60, 0149/49, mb3.6/13, MS3.7/13, Southwestern Ryukyu Islands

18d 3h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like JOW Kunigami, JYRO Yoro, YOJ Yanaguni jima, etc.

RSNC 18 03:38:32.6-0.0, 3'N, 4' 8'W, h10km, 4km, M2.7, mb4.4, ML2.5, South of Panama. Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details.

IDC 18 03:43:27.9-1.0, 34' 61'S, 76' 20'E, h0km, mb4.2/8, mbmp4.2/8, Error ellipse: s-maj=34.4km s-min=23.4km az=77.0. NEIC 18 03:43:29.7-2.0, 34' 83'S, 0'1:76'E, 0'2, h10km, 1km, mb4.6/9, Error ellipse: s-maj=29.8km s-min=18.2km az=256.0. ISC 18 03:43:29.6-0.8, 34'S, 0'1:76'E, 0'2, h10km, n35, e110/23, mb4.4/11, Mid-Indian Ridge. Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details.

2019 MAY

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like H01W1 Cape Leeuwin H, KNRA Kunurra, ASAR Alice Springs, etc.

RSNC 18 03:51:47.9-0.0, 7'N, 1' 7'W, h148km, 2km, M3.2, mb4.8, mb3.6, ML2.9, Mw(mb)4.0, Northern Colombia

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BARC Barichara, BRUC Barrancabermej, PAMP Pamplona, etc.

VAO 18 03:55:37.3-0.7, 4' 86'S, 75' 25'W, h56km, 14km, mb4.4. IDC 18 03:55:38.2-0.4, 8'15'S, 74' 90'W, h32km, 7km, mb3.5/6, mbmp3.9/12, ML3.7/5, MS3.3/2, Error ellipse: s-maj=23.9km s-min=16.4km az=93.0. NEIC 18 03:55:39.6-2.2, 4' 77'S, 0'0:74'W, 99W, 0.0, h35km, 2km, mb4.5/31, Error ellipse: s-maj=13.2km s-min=11.3km az=245.0. ISC 18 03:55:38.3-0.4, 4' 80'S, 0'05:75'07'W, 0'05, h35km, n97, e195/210, mb4.4/20, 3/2, Northern Peru. Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details.

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Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TBGT Tabatinga, OTAV Otavalo, YOJ Yanaguni jima, etc.

ILAR Eielson Array 86.66 336 P P 04 08 18.1 0.0
WLF Walfordange 87.95 40 dP P 04 08 23.7 -1.0
MEM Membach 88.09 39 dP P 04 08 25.0 0.0
BTNL Ternell 88.10 39 dP P 04 08 26.4 +1.0
BPWW Bear Paw Mtn. 88.17 335 lAmb lAmb 04 08 26.8

KRSC 18 04:03:08.3-2.6,52.74kmx156.52E,h339km,26km,M13.8,

Code Station Name Δ° AZ' Phase ID ISC Time Res h m s ISC
APC Apacha 0.43 64 eP Pn 04 03 51.7 +0.7
ASAK Asacha 0.92 112 eP Pn 04 03 54.3 +1.6
GRL Gorely 0.97 101 eP Pn 04 03 54.8 +2.0

UPA 18 04:09:04.7-0.5,4.66N,76.93W,h10km,72km,MW3.4

RSNC 18 04:09:07.8-0.0,5°N,1.7°W,h69km,4km,M3.1,mb4.2, mB5.1,ML3.0,Mw(mB)4.5

ISC 18 04:09:07.3-1.1,5.13N,0.02-76.61W,0.03,h67km,16km,

Code Station Name Δ° AZ' Phase ID ISC Time Res h m s ISC
CBOC Ciudad Bolivar 0.94 39 P Pn 04 09 25.4 +0.3
CBOC Ciudad Bolivar 0.94 39 S Pn 04 09 39.4 +1.1
NIZA Niza - Manizal 1.14 94 P S Pn 04 09 27.8 +0.1

2019 MAY GMAL Guarumal, Vera 5.28 300 eP Pn 04 10 25.1 +1.3

BER 18 04:09:16.4-3.0,79.22N,2.51E,h10km,mb(Ph)2.6, ML0.8(DNK), Confirmed Earthquake

DNK 18 04:09:17.3-1.5,79.14N,2.83E,h40km,29km,ML0.9

ISC 18 04:09:12.4-1.6,79.90N,0.1-2.96E,0.05,h18km,5km,n9, r1933/15,Greenland Sea

Code Station Name Δ° AZ' Phase ID ISC Time Res h m s ISC
KBS Kingsbay 1.73 89 eP Pn 04 09 45.7 +0.1
KBS Kingsbay 1.73 89 iS Pn 04 10 00.8 +0.5
KBS Kingsbay 1.73 89 iS Pn 04 09 45.3 -0.3

SDD 18 04:24:42.0-1.9,18.46N,70.58W,h17km,12km,MD3.5, ML3.4,MW3.5

OSPL 18 04:24:42.0-0.6,18.57N,71.00W,h96km,13km,ML2.9

ISC 18 04:24:40.0-1.1,18.49N,0.04-70.55W,0.03,h14km,9km,

Code Station Name Δ° AZ' Phase ID ISC Time Res h m s ISC
BANI BANI 0.20 118 eP Pn 04 24 47.6 +2.1
BANI BANI 0.20 118 eSg Sb 04 24 51.3 +2.0
BANI BANI 0.20 118 iS Sb 04 24 54.8

ISC 18 04:35:21.6-0.5,33.98N,45.73E,h11km,2km,ML3.0

TEH 18 04:35:22.0,33.99N,45.76E,h5km

ISC 18 04:35:22.4-1.2,33.98N,0.03-45.76E,0.04,h10km,12km,

Code Station Name Δ° AZ' Phase ID ISC Time Res h m s ISC
GLG1 Gilan-e-Gharb 0.18 41 Pp Pn 04 35 26.0 -0.3
ILBA Ilam Banvizeh 0.51 133 Pp Pn 04 35 32.6 +0.3
KGS1 Ghasr-e-Shirin 0.55 345 Pp Pn 04 35 33.5 -0.6

18d 4h comp=Z,22nm,18.4s,baz=135,slow=39

JRU Nakatsue 22.00 12 LR LR 04 51 23.2
KSRS Kora Array 25.86 4 P P 04 44 27.9 -0.9
KSRS 1.2mm,0.7s,baz=181,slow=11,SNR=4.8 LR LR 04 45 36.2
CMAR Chiang Mai Arr 26.69 280 S P 04 44 37.5 +1.0

18d 5h

FINES FINESSE Array B 144.45 339 PKP PKPab 05 06 59.00 -1.5
1.7nm, 0.4s, baz=64, slow=2, SNR=26
HFS Hagfors 148.77 347 PKPbc PKPbc 05 07 10.5 -2.3
1.5nm, 0.8s, baz=170, slow=2, SNR=8

NOU 18 04:56:48.6, 14.85S, 167.30E, h88km, mb4.1/17, Vanuatu Islands, Vanuatu Islands
Code Station Name A° AZ° Phase ID Time Res
VLAKA Lakatoro 1.25 175 P Pn 04 57 11.1 -0.1

DJA 18 04:59:36.5, 0.10S, 4.10E, h10km, M3.8/12, mb86.4/1, mb4.0/1, MLV3.7/12, MW(mb)6.2/1, South of Jawa
Code Station Name A° AZ° Phase ID Time Res
CMJJI Cimerak 1.80 356 P Pn 05 00 07.0 -0.6

NEIC 18 04:59:42.5, 2.2, 18.0S, 0.1, 177.9W, 0.1, h608km, 8km, mb4.2/25, Error ellipse: s-maj=21.2km s-min=17.0km az=140.0
IDC 18 04:59:43.5, 1.1, 18.0S, 178.02W, h618km, 11km, mb3.3/11, mbmp3.4/14, Error ellipse: s-maj=22.9km s-min=13.7km az=153.0

ISC 18 04:59:41.8, 0.5, 18.1S, 178.00W, 0.09, h600km, n53, s=120.56, mb4.0/23, Fiji Islands region
Code Station Name A° AZ° Phase ID Time Res
FUTU Fugatoga 3.76 357 P P 05 01 08.5 +2.8

COEN Coen 37.60 270 P P 05 06 07.3 +0.1
STKA Stephens Creek 38.98 241 P P 05 06 18.6 +0.4
STKA Stephens Creek 38.98 241 P P 05 06 18.3 +0.1

BBOO Buckleboo 43.76 241 P P 05 06 55.2 -0.5
WRR Warramunga Arr 44.94 260 P Iamb Iamb 05 07 14.6
WB0 Warramunga Arr 45.06 260 P P 05 07 04.9 -1.0

OHAK Old Harbor 77.78 13 P P 05 10 37.5 -0.2
O16K Kokwok River B 79.06 10 P P 05 10 43.0 -1.5
NVAR Milna Array Bea 79.06 10 P P 05 10 46.4 +0.3

ARCES ARCES Array B 126.57 350 PKP PKPpdf 05 17 36.6 -0.5
BURAR Bucovina Array 145.00 332 PKPab PKPab 05 18 13.6 -0.1
BRTR Keskin Array B 145.25 315 PKPbc PKPbc 05 18 13.3 -0.4

2019 MAY

MMAI Mount Meron Ar 146.65 303 PKPbc PKPbc 05 18 17.7 -0.1
comp=2.1, 3nm, 0.5s, baz=70, slow=4, SNR=2.8
GERES GERES Array B 147.90 346 PKPbc PKPbc 05 18 20.0 -0.5
comp=2.0, 7nm, 0.5s, baz=19, slow=3.5, SNR=7.0

RSNC 18 05:00:14.2, 0.0, 7.1N, 1.7W, h150km, 2km, M3.5, mb3.9, MB5.4, ML3.0, MW(mb)4.9
IDC 18 05:00:14.4, 4.4, 5.6, 7.2N, 73.05W, h171km, 3.0km, mb3.0/2, mbmp3.6/3, Error ellipse: s-maj=84.7km s-min=28.9km az=88.0

ISC 18 05:00:13.0, 0.9, 6.87N, 0.03, 73.13W, 0.04, h155km, 6km, n41, s=121.7/78, Northern Colombia
Code Station Name A° AZ° Phase ID Time Res
BARC Barichara 0.28 191 P Pn 05 00 34.4 0.0

ROSC El Rosal 2.34 210 P Pn 05 01 25.3 +1.8
ROSC El Rosal 2.34 210 P Pn 05 00 54.0 +1.2
ROSC El Rosal 2.34 210 P Pn 05 01 23.6 +0.1

YAK Yakutsk 68.74 348 LR P 06 11 50.8
VND Vanda 73.10 178 P P 05 45 28.9 +0.2
VND Vanda 73.10 178 P P 05 45 28.9 +0.2

YKA Yellowknife Ar 63.21 340 P P 05 10 25.2 +0.8
ASAR Alice Springs 149.13 234 PKPbc PKPbc 05 19 43.0 -2.0
WRA Warramunga Arr 150.25 241 PKPbc PKPbc 05 19 46.1 -1.6

CMAR Chang Mai Arr 14.60 202 Pn 05 23 33.0 -0.8
SONM Songo Arr 15.73 4 Pn 05 23 45.4 -1.0
KRSR Korchatov Arr 19.72 68 P 05 24 29.9 -0.4

USRK Ursuriysk Ar. 24.44 53 LR 05 36 12.4
ZALV Zalesovo Beam 26.06 333 P 05 25 34.7 +0.7
KURBB Kurchatov Arr 26.78 321 P 05 25 41.4 +0.9

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ISC 18 05:34:04.6, 0.5, 4.52S, 0.07, 152.99E, 0.08, h55km, n47, s=146.4/3, mb4.3/21, MS3.6/4, New Britain region
Code Station Name A° AZ° Phase ID Time Res

RABL Rabaul 0.89 291 Op ISC Pn 05 34 19.6 -1.4
MANU Manus Island 6.12 293 Pn Pn 05 35 34.4 +1.8
PMU Port Moresby 7.56 230 Pn Pn 05 35 32.2 +1.0

WRA Warramunga Arr 23.77 228 P P 05 39 11.7 -0.6
WRA Warramunga Arr 23.77 228 P P 05 39 12.3 0.0
WRA Warramunga Arr 23.77 228 P P 05 42 55.1 +0.2

YAK Yakutsk 68.74 348 LR P 06 11 50.8
VND Vanda 73.10 178 P P 05 45 28.9 +0.2
VND Vanda 73.10 178 P P 05 45 28.9 +0.2

YKA Yellowknife Ar 63.21 340 P P 05 10 25.2 +0.8
ASAR Alice Springs 149.13 234 PKPbc PKPbc 05 19 43.0 -2.0
WRA Warramunga Arr 150.25 241 PKPbc PKPbc 05 19 46.1 -1.6

GERES GERES Array B 123.91 329 PKP PKPbc 05 52 58.8 +1.7
TORO Torodi Ar. Bea 150.25 340 PKPbc PKPbc 05 53 51.3 +0.2
BDBF Brasilia 151.13 134 PKPbc PKPbc 05 53 53.9 +0.5

BARC Barichara 0.27 193 P Pn 05 02 07.0 -0.5
BRJC Barrancabermej 0.62 280 P Pn 05 02 08.8 -0.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARGC Santo Domingo, ANIL Santa Ana, APAC Apartado, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKSI Bulukumba, BSSI Bau Bau, EDFI Eau Flores, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KHZ Kahutara, MRNZ Matariki Terra, THZ Topohouse, etc.

Station information for IDC 18 05:47:34.7±1.3, 7.56N, 94.33E, h0km, mb3.6/9, mblmp3.7/10, ML3.6/1, MS3.5/2, Error ellipse: s-maj=78.9km s-min=19.1km az=53.0

Station information for N135, 1500/152, mb4.1/9, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR Alice Springs, AS31 Alice Springs, WRR Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BSI Banda Aceh, LHMI Lhok Sumawe, MSLI Meulaboh, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PGFS Porangahau Fir, PRHZ Porangahau, ANWZ Angora Road, etc.

Station information for LDG 18 06:27:20.5±0.4, 4.42N, 6.65E, h2km, Md1.8/4, M11.7/2

Station information for STR 18 06:27:25.0±0.3, 4.5N, 2.2E, h5km, ML1.2/6, Error ellipse: s-maj=0.0km s-min=0.0km az=39.5, preliminary, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MBDF Montbardon, RRL Radio Remolon, RRF Crivoux, etc.

Station information for FUNV 18 05:56:37.1±1.0, 35N, 72.64W, h1km, MW2.8

Station information for RSPC 18 05:56:39.7±0.0, 10.1N, 1.7W, h6km, 3km, M1.9, ML1.9

Station information for ISC 18 05:56:37.9±1.1, 10.29N, 0.03E, 72.62W, 0.04, h13km, 8km, n13, 1500/24, 1C, Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MCOV Machiques, CRUC Carrejon, URIC Uribia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NGZ Ngauruhoe, CHVZ Chateau Observ, Te Maari, etc.

Station information for CATAC 18 06:39:03.5±0.7, 13.1N, 5.8W, h30km, 5km, M3.0/13, MLV3.0/13, Error ellipse: s-maj=11.2km s-min=3.1km az=80.0, confirmed

Station information for SNET 18 06:39:04.9±0.9, 12.66N, 88.11W, h49km, 48km, ML3.2

Station information for GCG 18 06:39:04.4±0.3, 12.66N, 88.09W, h64km, 45km, MD3.9

Station information for ISC 18 06:39:03.4±1.4, 12.5N, 0.1E, 88.07W, 0.06, h46km, 45km, n43, 1500/25, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUWI Luwuk, APSI Ampana, KDI Kendari, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CSGN Cosiguina Volc, POTN Potosi Cosigui, POTN Potosi, etc.

18D 7h

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

GCG 18 06:47:12.3±0.5, 12.80N, 90.86W, h9km±18km, MD3.5, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FG18, NUBE, JAYA, etc.

BGSI 18 06:58:44.3±1.3, 27.09S, 27.71E, h0km±64km, ML3.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PRYS, HRAO, SWZ, SNKL, etc.

IDC 18 07:13:55.9±0.1, 39.17N, 0.07, 75.07E, h0km±10km, n65, ±221/91, mb3.5, 21C-12D, Southern Xinjiang

2019 MAY

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFK, SALK, SALK, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KTMS, BTLS, MK31, etc.

Mu-0.61±.21; Best double couple: M2,16000x1016
NP1.0+148.00000°,81.10000°,1.71.00000°; NP2:
0.240,00000°,81.100000°,A.9.00000°; Principal axes: T
2.4270,Plg13.0000°,Azmi104.0000°; N -0.5360,
Plg77.0000°,Azmi282.0000°; P -1.8930,Plg1.0000°,
Azmi14.0000°; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function
Gll 18 07:48:19.6±0.0,29.70N:52.00E,h10km,confirmed
OMAN 18 07:48:22.7±0.1,29.43N:52.28E,h10km,3km,m5,1/26,
mH4.6/m,ms3.6/8,Error ellipse: s-maj=6.5km s-min=1.1km
2±=343.0

DSN 18 07:48:23.2±0.2,29.33N:52.15E,h15km,ML4.5/17,Error
ellipse: s-maj=25.2km s-min=8.4km az=6.0
ISC 18 07:48:17.5±0.3,29.70N:0.0252.04E,0.02,h10km,n458,
0.186/477,m4.4/92,MS3.9/55,29C-20D,Southern Iran

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAZZ, SHI, KLNJ, DSBU, QIR1, ABEH, JHRM, IRAM, IBRJ, LMD1, ZNGN, ISAD, IGAR, JHBN, IMEH, LARI, LAR, IPIR, IZEF, Zefreh, AHWZ, KHFJ2, IBAF, IKUH, GTRM, ANAR, KFJS1, KFJS2, KHGB, SAKB, SHMA, SHMA, NGRK, ZRDN, KRBR, KRBR, WANAN, BNDS, BNDS, KHMZ, KHMZ, ARIRA, BOOSS, BOOSS, KRMI, ISFB, HOFOF, CHMH, NHFOF, NHFOF, JRN, GHVR, GHVR, QYSM, SMAN, TRNA, TRNA, SMRA, SMRA, SHOFU, ASAO, ASAO, SHME, SHME, SHME, TPRV, IQOM, IKFM, KHNU, IVRN, BANOM, BANOM, BANOM, BANOM, HSAM, HSAM, SLWR, SLWR, SLWR, KBAM, KBAM, NHRD, MASF, MASF, MASF, MASF, HAGD, MSFE, MSFE, NAZ, NAZ, NAZ, ILAS, ILAS, AJN, AJN, AJN, AJN, TNSJ, GHWR, GHWR, MDH, MDH, MDH, TDKS, ROBS, ASUD, ASUD, TABS, TABS, TABS.

Table with columns: IDMV, DAMV, IBZA, IFIR, IIRAZ, IANJ, IOSS, IOSS, IOSS, IOSS, HATD, HATD, HATD, IMHD, IMZWR, IMZWR, ASHO, ASHO, ASHO, ASHO, SHBH, KCHF, RMAH, ILSA, ILSA, ILSA, QABG, SNQR, SNQR, IGHAL, IGHAL, IGHAL, BSRN, ALNE, ALNE, ALNE, IPRN, IGHH, IGHH, IKIA, SNGE, SNGE, MZPU, MZPU, MZPU, ILIN, ILIN, TAPT, MZR, MZR, MZR, IGZV, SOHO, SOHO, SOHO, KLST, IDHR, IDHR, IGLD, AFRZ, AFRZ, KHJR, SHRO, SHRO, SHRO, UMZA, UMZA, ARQ, ARQ, ZHFS, ZHFS, ZHFS, HOQ, HOQ, HOQ, SHRT, SHRT, SBVZ, SBVZ, BIDO, BIDO, BIDO, BIDO, BSY, BSY, RAYN, RAYN, RAYN, RAYN, CHBR, SMDO, SMDO, SMDO, SRSL, SRSL, MRVT, MRVT, MRVT, WSAR, WSAR, WSAR, WSAR, WSAR, IAKL, JMDO, JMDO, BJRD, NGCH, NGCH, NGCH, NGCH, JKRK, SRVN, SRVN, WBK, WBK, WBK, WBK, WBK, WBK, IKRD, IMYA, JLN, JLN, JLN, MHTO, MHTO, MHTO, DOM, DOK, DOK, DOK.

Table with columns: WHFO, WHFO, GNI, GNI, GNI, DMTO, DMTO, DMTO, ASF, ASF, ASF, MAK, MAK, MAK, MAK, ZFRI, ZFRI, EIL, EIL, EIL, EIL, SHAI, KIV, KIV, KIV, KIV, BNN, SIMJ, CSS, CSS, SOC, SOC, SOC, SOC, LABN, LABN, LABN, LABN, LABN, LABN, BR131, BR131, BR131, BR131, BR131, ERBR, ERBR, ERBR, NIL, NIL, NIL, BTK, BTK, BTK, ANTO, ANTO, ANTO, ANTO, ANTO, ANN, ANN, ANN, ANN, ANN, TRKS, ELL, ELL, ELL, KK31, KK31, KK31, KKAR, KKAR, KKAR, ATD, ATD, MDUB, MDUB, MDUB, MDUB, MDUB, MDUB, SIM, SIM, SIM, AKTO, AKTO, AKTO, KSH, KSH, AAK, AAK, AAK.

18d 7h

2019 MAY

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Table with columns: AAK, LR, 08 02 28.1, MNK, P, 07 54 26.9 -1.9, BRDH, 36.09 92, LR, LR, 08 12 37.0, etc.

Table with columns: MNK, P, 07 54 26.9 -1.9, BRDH, 36.09 92, LR, LR, 08 12 37.0, etc.

Table with columns: BRDH, 36.09 92, LR, LR, 08 12 37.0, CLL, 36.10 130, i/P, P, 07 55 18.9 -0.5, etc.

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Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various numerical values. Includes entries like SUMG Summit, KSRS Korea Array, USRK Ussuriysk Ar, etc.

Summary text for station 1019, including coordinates (100.9, 18.2), station name (Sutherland), and various parameters like SNR, error ellipse, and elevation.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various numerical values. Includes entries like SFK Sufi-Kurgan, SALK Salom-Alik, OHH Osh, etc.

2019 MAY

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various numerical values. Includes entries like AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, etc.

185d 7h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, and various numerical values. Includes entries like SHLS Shalkode, SHLS Shalkode, SHLS Shalkode, etc.

18d 8h

Table with columns: XLT, BR131, BR131, BRTR, ANTO, ANTO, AKASG, FINES, HEH, HEH, ARCES, ARCES, ARCES, TI XI, TI XI, HFS, GERES, NOB2, NOA, DAV, PEAOB, PETK, KAPI, C18K, C18K, C19K, SFJD, SFJD, E22K, TOLK, ILAR, ILAR, YKA, YKA, ASAR, PDAR. Each row contains station name, code, coordinates, and other technical details.

IDC 18 07:55:14.5-1.8, 38.69N; 74.79E, h0km, mb3.7/4, mbtm3.6/7, ML3.3/3, Error ellipse: s-maj=41.9km s-min=28.1km az=78.0
ISC 18 07:55:17.8-1.6, 38.79N; 74.79E, h0km, n7, o#80/7, mb3.7/4, Tajikistan-Xinjiang border region

GCG 18 07:59:31.1-1.9, 14.70N; 93.44W, h37km, 999km, MD3.9 MEX 18 07:59:31.8-0.7, 14.72N; 93.50W, h10km, MD3.9
ISC 18 07:59:24.3-2.6, 14.57N; 109.9360W, h5km, i33km, n12, o#191/21, Near coast of Chiapas

2019 MAY

IDC 18 08:01:13.3-2.5, 39.98N; 74.78E, h0km, mb3.6/3, mbtm3.5/5, ML3.1/2, Error ellipse: s-maj=43.3km s-min=30.2km az=104.0
KRNET 18 08:01:14.6-0.1, 39.10N; 74.98E, mb3.7
NINC 18 08:01:17.9-1.1, 39.16N; 74.96E, h0km, mb4.1, mpv3.7, Error ellipse: s-maj=9.7km s-min=5.1km az=158.0
ISC 18 08:01:17.4-2.0, 39.14N; 0.07-74.97E, h0km, i11km, n48, o#211/69, mb3.4/3, 22C-7D, Southern Xinjiang

SKHL 18 08:16:08.5-0.5, 48.00N; 154.78E, h70km, 4km, mb5.1/6
KRSC 18 08:16:09.0-2.1, 48.09N; 156.23E, h30km, 44km, M4.8
NEIC 18 08:16:09.8-1.5, 48.3N; 0.1-154.3E, 0.1, h47km, 5km, mb4.5/48, Error ellipse: s-maj=19.3km s-min=9.4km az=143.0
IDC 18 08:16:09.3-2.0, 48.30N; 154.35E, h47km, 19km, mb3.9/20, mbtm4.2/26, ML3.9/6, MS3.7/23, Error ellipse: s-maj=18.6km s-min=11.5km az=155.0
ISC 18 08:16:08.0-0.5, 48.09N; 0.05-154.72E, h42km, n246, o#1968/244, mb4.4/69, MS3.3/23, 7C-11D, Kuril Islands

18d 9h

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like APSI Ampana, SOEI Soe, KAPI Kappang, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, KSRS Korea Array, MJAR Matsushiro Arr, USRK Ussuriysk Ar., SONM Songino Array, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arra, BVAR Borovoy Array, CPUP Villa Florida.

NEIC 18 08:28:31.6-0.6,36.696N,0.008-97.69W,0.01,h7km,4km, Error ellipse: s-maj=1.4km s-min=1.1km az=77.0

NEIC 18 08:28:31.6-0.6,36.698N,0.008-97.69W,0.01,h7km,3km, mb_Lg2.5/34,ML2.6/44,Error ellipse: s-maj=1.2km s-min=1.2km az=130.0, Oklahoma

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like GC02 Grant County #, CROK Carrier, KAN14 Manchester OK, KAN17 Caldwell West, KAN17 White Mountain, KAN13 South Haven SW, BLOK Blackwell, KAN05 Bluff City Nor, KAN09 Caldwell North, KAN01 Argonia South, KAN10 Anthony SW Sta, KAN08 Anthony NE Sta, KAN12 Harper NE Stat, QUOK Quay, T35A Sooner Cattle, NOKA Waynoka, NOKA Bluff Creek, N, OK04 Okla Sic Mus, DEOK Depew, FNO Franklin, TUL3 Leonard, R32A Long Quarter, X34A Smith Ranch, M, WHOK Wichita Mounta, U38A Gravelle, AMTX Amarillo, MIAR Mount Ida, RTBA Rita Blanca, P38A Dawn, X40A Basin Creek Fa, FCAR Ozark Folk Cen, R40A Maddies Station, WHAR Woolly Hollow, UALR University of, P40A Paris, CCM Cathedral Cave, T25A Trinidad, SGCY Sterling City, PBMO Poplar Bluff, FVM French Village, K30B Bassett, SCIA State Center, CGM3 Cape Girardeau.

IDC 18 08:32:03.2-13.0, 12.59S, 167.02E, h170km, 119km, mb3.6/9, mbtmp4.0/9, Error ellipse: s-maj=42.1km s-min=24.0km az=90.0

NEIC 18 08:32:10.0-1.3, 12.65S, 0.1-167.0E, 0.2, h230km, 8km, mb4.3/29, Error ellipse: s-maj=22.2km s-min=17.2km az=97.0

ISC 18 08:32:08.7-0.6, 12.61S, 0.09-167.0E, 0.1, h220km, n43, 0.651/43, mb4.2/24, Santa Cruz Islands

2019 MAY

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, CTAO Charters Tower, ARMA Armidale, THZ Tophouse, STKA Stephens Creek, STKA Stephens Creek, LTZ Lake Taylor, ASAR Alice Springs, BBOO Buckleboe, KNRA Kununurra, JKA Kamikawa-asahi, WDA Wanda, SBA Scott Base, CASY Casey, KIWB Kanaga Island, PETK Petropavlovsk, PETK Petropavlovsk, CMAR Chiang Mai Arr, ACHA Anthe Creek He, N15K Kwethluk River, QSPA South Pole Qui, QSPA South Pole Qui, M16K Timber Creek, K15K Wolf Creek Mou, M17K Hoitina River, CNPM China Poot, L18K Granite Mount, J17K VABM Dome, L19K White Mountain, J18K Innoko River, PMR Palmer, CAST Castle Rocks, BERG Berg Lake, BERG Berg Lake, E19K Redstone River, E19K Redstone River, CCB Clear Creek Bu, HDA Harding Lake, ILAR Eielson Array, F24K Squaw Lake, MKAR Makanchi Array, YKA Yellowknife Ar, ARCES ARCESS Array B, ESDC Sonseca Array.

TXNET 18 08:32:47.0, 31.7N, 0.7-104.5W, 0.7, h4km, 2km, ML.1/9,7, Error ellipse: s-maj=1.0km s-min=1.0km az=4.9, final, Western Texas

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like TPB11 China Draw, GDL2 Guadalupe Moun, PECS Pecos, TPB12 Southwest of T, TPB07 Montano, TPB10 Southwest of T, MNTX Cornudas Mount, CLNB Carlsbad, TPB01 Permian Basin, VHRN Van Horn, HTMS Hat Mesa, MNNH Monahans, TPB16 Coyonosa, TPB05 Hovey Rd, ALPN Alpine, CLPN Cap Rock, ARLS Arls, ODSA Odessa, TX31 Lajitas Ar. Si, TX31, TX31.

NNC 18 08:41:48.3-1.8, 39.04N, 74.62E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=13.5km s-min=9.9km az=162.0

KRNET 18 08:41:51.2, 0.1, 39.04N, 74.99E, mb3.4

SOME 18 08:41:55.2, 39.42N, 74.55E, h5km

ISC 18 08:41:53.6-1.5, 39.16N, 0.08-74.86E, 0.03, h10km, n33, 0.259/52, 20C-8D, Southern Xinjiang

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, SALK Salom-Alik, OHH Osh, OHH Osh, DRK Karamyk, NARN Naryn, ARSB Arslanbob, ARSB Arslanbob, ARSL Aral, BTK Batken, BTK Batken, KDJ Kajisay, AAK Ala-Archa, AAK Ala-Archa.

Table with columns: TRKS Terek-Say, TRKS Manas, MRKS Merke, MRKS Merke, TKM2 Tokmak 2, TKM2 Tokmak 2, KST Kasto, KST Kasto, IZV Izvestkovy, IZV Izvestkovy, IZV Izvestkovy, MTBS Maitube, MTBS Maitube, MTBS Maitube, TNSS Tian-Shan, TNSS Tian-Shan, TNSS Tian-Shan, PRZ Przhval'sk, MDOK Medeo, SATY Saty, IUG Iuzhnyy, IUG Iuzhnyy, KTBS Karatobe, KTBS Karatobe, KUU Kurty, KUU Kurty, KUU Kurty, KPKS Kokpek, KPKS Kokpek, KPKS Kokpek, SHLS Shalkode, SHLS Shalkode, SHLS Shalkode.

IDC 18 09:15:34.3-1.7, 11.29N, 94.61E, h0km, mb3.7/5, s-maj=29.1km s-min=21.0km az=51.0, Andaman Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, ZALV Zalesovo Beam, WRA Warramunga Arr, BRTR Keskin Array B, FINES Fines Array B, ARCES ARCESS Array B, BORG Borog.

BER 18 09:19:15.1-2.7, 71.65N, 3.00W, h10km, mb(Pn)3.5, Confirmed Earthquake, Jan Mayen Island region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like JNW Jan Mayen West, JNW Jan Mayen West, JNW Jan Mayen West, DBG Daneborg, DAG Danmarks Havn, LAG Lofoten, DOF Lofoten, STEI Steigen, STEI Steigen, FAUS Fauske, STOK Stokkvaagen, LEIR Leirfjord, LEIR Leirfjord, JETT Jetta, SPA0 Spitsbergen Ar, KIF Klippisjarvi, SALU Saluoluokka.

IDC 18 09:22:19.7-2.9, 5.95S, 128.93E, h320km, 26km, mb3.5/3, mbtmp4.1/6, Error ellipse: s-maj=52.5km s-min=11.0km az=69.0

NEIC 18 09:22:20.1-1.4, 5.95S, 0.1-128.93E, 0.08, h314km, 14km, mb4.3/8, Error ellipse: s-maj=17.5km s-min=7.2km

ISC 18 09:22:18.0-0.7, 5.98S, 0.06-128.93E, 0.09, h300km, n23, 0.1563/27, mb3.9/4, Banda Sea

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like FAKI Fak Fak, FAKI Fak Fak, SOE Soe, MTN Mantun Dam, KNRA Kununurra, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRB Warramunga Arr, WRB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRB Warramunga Arr.

1022

Table of station data for stations 1023-1200, including codes like WRRB, COEN, MBWA, PSAOO, AS31, ASAR, etc., with columns for station name, code, and various technical parameters.

NEIC 18 09:55:36.70, 4.36; 702N, 01:008-97.66W, 0.01, h5km, 1km, mb, Lg3.6/13.8, ML4.8/29, ML4.0/48, Mw3.3/16(SLM), Error ellipse: s-maj=2.7km s-min=1.5km az=238.0

Main table of station data for stations 1200-1500, including codes like COE, CROK, KAN13, etc., with columns for station name, code, and various technical parameters.

Table of station data for stations 1500-1800, including codes like RTBA, TREL, FW16, etc., with columns for station name, code, and various technical parameters.

NEIC 18 09:55:36.9, 0.4, 36; 702N, 01:008-97.66W, 0.01, h7km, 4km, Error ellipse: s-maj=1.4km s-min=0.8km az=52.0

Main table of station data for stations 1800-2200, including codes like WWHAR, SN05, WHTX, etc., with columns for station name, code, and various technical parameters.

Table of station data for stations 2200-2500, including codes like RSSD, Black Hills, TX31, etc., with columns for station name, code, and various technical parameters.

NEIC 18 10:35:57.3, 3.4, 13.7; 6N, 119.74E, h42km, 37km, mb3.5/8, mbmp3.8/8, MS3.3/2, Error ellipse: s-maj=25.5km s-min=17.5km az=54.0

Main table of station data for stations 2500-3000, including codes like WRA, ASAR, ASAR, etc., with columns for station name, code, and various technical parameters.

NEIC 18 10:35:57.2, 1.0, 14.0; 04N, 07.120, 3E, 0.2, h35km, 2km, mb4.2/9, Error ellipse: s-maj=29.9km s-min=11.8km az=94.0

Main table of station data for stations 3000-3500, including codes like TGY, TG, KKM, etc., with columns for station name, code, and various technical parameters.

18d 11h

NEIC 18 10:58:02.8+0.9, 19:30N:01:155:255W:0'006, h5km, 1km, Error ellipse: s-maj=2.8km s-min=1.8km az=16.0

HVO 18 10:58:02.4+0.7, 19:308N:01008:155:246W:0'009, h8km, 2km, ML2.5/37, ML2.5/38(NEIC), Error ellipse: s-maj=1.3km s-min=1.0km az=138.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like HLP, RIM, KKO, SDHH, etc.

IDC 18 11:04:21.5+1.2, 5:66S: 151:22E, h0km, mb4.2/5, mbtmp4.2/6, ML2.0/1, MS3.6/3, Error ellipse: s-maj=57.4km s-min=23.4km az=122.0

NEIC 18 11:04:24.0+1.7, 6:29S: 0:09:151:7E:0.1, h10km, 1km, mb4.4/11, Error ellipse: s-maj=23.5km s-min=6.8km az=307.0

ISC 18 11:04:27.7+0.8, 6:22S: 0:09:151:6E:0.1, h1km, n23, s1844/22, mb4.2/11, MS3.7/3, New Britain region

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

SOME 18 11:08:50.7, 41:25N: 75:80E, h15km, KRNET 18 11:08:50.5, 41:11:35N: 75:79E, h19km, mb3.8

IDC 18 11:08:50.3+2.1, 41:16N: 75:52E, h0km, mb3.7/2, mbtmp3.5/6, ML2.5/4, Error ellipse: s-maj=33.5km s-min=16.7km az=31.0

NNC 18 11:08:51.6+0.9, 41:32N: 75:72E, h0km, mb4.5, mpv4.1, Error ellipse: s-maj=6.4km s-min=4.1km az=168.0

MOS 18 11:08:51.1+1.0, 41:33N: 75:74E, h10km, mb3.9/1, Error ellipse: s-maj=7.1km s-min=5.5km az=83.6

KNET 18 11:08:53.0+0.6, 41:45N: 75:68E, h1km, 4km, ml3.3, Error ellipse: s-maj=2.4km s-min=2.7km az=154.0

ISC 18 11:08:50.2, 1.1, 41:31N: 0:03:75:74E:0.02, h4km, 9km, n108, s1933/171, 53C-30D, Kyrgyzstan

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

2019 MAY

Main table with columns: NRN, NRC, ULHL, ULHL, ULHL, etc. Lists station names and their associated data.

Table with columns: MRKS, MRKS, MRKS, etc. Lists station names and their associated data.

HVO 18 11:11:18.7+0.8, 19:421N:0'007:155:61W:0'01, h-1km, 8km, ML2.4/33, ML2.3/32(NEIC), Error ellipse: s-maj=1.7km s-min=1.1km az=89.0

NEIC 18 11:11:19.1+0.7, 19:421N:0'008:155:61W:0'01, h1km, 4km, Error ellipse: s-maj=1.6km s-min=1.2km az=85.0, Hawaiian Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HTC Hot Caves, WRMH West Rim, CPH Captain Cook, etc.

DJA 18 11:16:16.0, 0.6, 0.5, 12.4E, h131km, 7.3M, 3.4/6, MLV3.4/6, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KMSI Cibinong, LUWI Luwuk, MRSI Marisa, etc.

KRSC 18 11:46:43.0, 1.2, 5.4, 81N, 164.63E, h49km, 28km, ML3.6, IDC 18 11:46:42.0, 1.7, 5.5, 165N, 164.41E, h0km, mb3.4/2, mbmp3.4/3, ML2.6/1, Error ellipse: s-maj=117.2km s-min=25.3km az=152.0

ISC 18 11:46:45.0, 2.5, 5.4, 88N, 0.0, 0.6, 164.69E, 0.05, h24km, 22km, n29, c1935/32, Komandoro Islands, Indonesia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, MKZ Mys Kozlova, etc.

DJA 18 11:54:27.0, 4.0, 3.1, N3.98E, h10km, M3.7/8, mb4.0/1, MLV3.6/3, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GSI Gunungstiof, PBI Pulau Batu, MNSI Mandailing Nat, etc.

IDC 18 12:18:42.0, 5.0, 16.7, 74S, 174.06W, h0km, mb4.2/10, mbmp4.2/10, Error ellipse: s-maj=31.3km s-min=18.4km az=127.0

NEIC 18 12:18:55.4, 1.6, 16.7, 67S, 0.09, 173.89W, 0.10, h118km, 9km, mb4.4/14, Error ellipse: s-maj=13.7km s-min=12.5km az=92.0

ISC 18 12:18:54.4, 0.5, 16.81S, 0.09, 174.02W, 0.09, h100km, n42, c1831/42, mb4.1/7, Tonga Islands

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

Table with columns: TOO Tooolangi, STKA Stephens Creek, STKA Stephens Creek, etc. Includes station codes and coordinates.

IDC 18 12:28:21.7, 1.7, 0.8, 2N, 125.72E, h0km, mb3.5/4, mbmp3.5/4, Error ellipse: s-maj=174.0km s-min=22.4km az=65.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARCS Arica, BRTR Keskin Aray, GERES Gressy Aray, etc.

IDC 18 12:28:26.9, 0.3, 1.4, N4.4, 121.6E, h10km, M3.3/8, MLV3.3/8, IDC 18 12:28:27.9, 1.1, 0.9, N0.1, 126.15E, 0.07, h44km, n7, c1514/8, mb3.5/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, KMSI Cibinong, SARI Sanana, etc.

CATAC 18 12:34:46.7, 0.4, 16.7, N3.9, 174.1W, h27km, 5km, M3.8/19, MLV3.8/19, Error ellipse: s-maj=7.6km s-min=2.9km az=26.3, confirmed

GCG 18 12:34:46.7, 1.2, 13.5, 59N, 90.60W, h35km, 999km, MD3.7, ML2.8, MW3.2

SNET 18 12:34:48.4, 4.1, 13.7, 70N, 90.48W, h56km, h2.8/3, IDC 18 12:34:47.5, 1.5, 13.5, 52N, 0.07, 90.55W, 0.04, h29km, 13km, n72, c1914/82, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FG8 Yepocapa, FG8 Yepocapa, FG16 Alotenango, etc.

Table with columns: UDBS Universidad Do, LFU La Fuente, MTO3 Montecristo, etc. Includes station codes and coordinates.

IDC 18 12:51:28.0, 1.9, 12.0, 1N, 46.21E, h0km, mb3.7/5, mbmp3.7/5, ML2.1/1, MS3.5/20, Error ellipse: s-maj=54.9km s-min=20.7km az=165.0

ISC 18 12:51:29.9, 1.6, 12.0, 0.3, 46.2E, 0.1, h13km, n25, c047/8, mb3.7/5, MS3.5/20, Western Gulf of Aden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ATD Arta Tunnel, ASF Jabal al Asfar, GNI Garni, etc.

SSNC 18 12:55:55.0, 0.9, 19.63N, 71.40W, h5km, 8km, MD3.3, ML3.0

SDD 18 12:55:56.1, 2.7, 19.65N, 71.11W, h23km, 10km, MD3.3, ML3.0, MW3.4

ISC 18 12:55:54.7, 1.0, 19.65N, 0.03, 71.21W, 0.03, h20km, 5km, n20, c1925/33, 21-C-2D, Dominican Republic region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res, ISC. Includes stations like Yuzhno-Sakhali, Gorny, Shikotan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res, ISC. Includes stations like Mont Dzumac, Port Moresby, Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res, ISC. Includes stations like Mammoth Pass, Lincoln Peak, Dry Creek, etc.

IDC 18 13:44:45.2, 1.1, 14.71S; 167.77E, h0km, mb4.2/11, mbtmp4.1/12, ML3.5/1, MS3.5/5, Error ellipse:

IDC 18 14:58:28.8, 0.5, 5:20S; 152:57E, h0km, mb4.9/26, mbtmp4.9/26, MS4.4/52, Error ellipse: s-maj=20.2km s-min=11.9km az=84.0

s117c185: Duration: 1s0 Moment tensor: Scale 1017 Nm; M₀=0.56±0.2; M₁=0.53±0.1; M₂=0.02±0.1; M₃=0.66±0.03; M₄=0.10±0.1; M₅=0.05±0.2; Best double couple: Mo,0.86400±0.1017°; NP1,3,250.00000°; δ21.00000°; λ71.00000°; NP2,3,90.00000°; δ70.00000°; λ97.00000°; Principal axes: T 0.8790, Plg64.0000°, Azm12.0000°; N -0.0300, Plg7.0000°, Azm268.0000°; P -0.8490, Plg25.0000°, Azm175.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 18 14:58:31.5±0.6, 25S, 0.04, 152.65E, 0.04, h16km, 3km, m1812, c1832/743, mb5.3/190, MS4.5/85, 21C-23D, New Britain region

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

Main table with columns: Station Name, Az, Phase, ID, Time, Res, ISC. Lists numerous seismic stations and their associated data points.

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

18d 14h

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like C18K Utukok River, KNK Knik Glacier, MK31 Makanchi Array, etc.

2019 MAY

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like E22K Anaktuvuk Pass, COLD Coldfoot, B21K Ikpikpuk River, etc.

1030

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like SIT Sitka, CHMS Chumyush, UCH Uchto, etc.

Table listing station identifiers (e.g., D28M, G30M), station names (e.g., Stokes Point, Aloh Zrai Nji), coordinates, and other technical details.

Table listing station identifiers (e.g., KIEV, AK02, AK05), station names (e.g., Kiev, Malin Array Si), coordinates, and other technical details.

Table listing station identifiers (e.g., PCAS, FDF, FDF), station names (e.g., Casimiro, Conde, Fort de France), coordinates, and other technical details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNCH Conchagua, BLLM Bellamira, etc.

18d 15:53:46.3-0.7, 37.20N:135.29E, h375km, 12km, mb3.0/6, mbtmp3.8, 10, Error ellipse: s-maj=28.7km s-min=11.8km az=56.0

JMA 18 15:53:46.5-0.2, 37.22N:0.9:13.5E, h374km, 1km, MV2.8/29, SEA OF JAPAN

ISC 18 15:53:46.2-0.8, 37.16N:0.10:135.22E:0.09, h372km, n16, c071/19, mb3.2/6, Sea of Japan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHG Hegura jima, JOI OKI, etc.

MEX 18 15:59:23.0-0.6, 15.56N:94.98W, h16km, 5km, MD3.9

GCG 18 15:59:23.3-0.0, 16.01N:95.17W, h38km, 51km, MD4.3

ISC 18 15:59:18.0:1.4, 15.50N:0.06:94.99W:0.03, h9km, 11km, n17, c178/32, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUG Huatulo, HUIG Huatulo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUIG Santiago Nilte, NILT, etc.

IDC 18 16:00:09.4:1.9, 13.40N:87.40W, h0km, mb3.5/4, mbtmp3.6/5, ML4.1/1, MS2.9/1, Error ellipse: s-maj=127.6km s-min=28.4km az=52.0

SNET 18 16:00:13.6:3.8, 12.63N:87.98W, h20km, ML4.4

CATAC 18 16:00:13.7:0.3, 13.12N:87.8W, h34km, 4km, M4, 2/33, ML4.2/33, Error ellipse: s-maj=5.5km s-min=1.7km az=26.6, confirmed

GCG 18 16:00:14.9:2.0, 12.66N:88.08W, h32km, 196km, MDA.5

UCR 18 16:00:16.0:2.2, 12.55N:87.91W, h33km, 22km, MW4.3

ISC 18 16:00:12.9:1.1, 12.56N:0.04:88.04W:0.02, h33km, 3km, n11a, c1855/139, mb3.6/4, 3D, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CSNG Cosiguina Volc, CSNG Cosiguina Volc, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PG27 Guanacaste Pro, LAPC Finca la Perla, etc.

JTS 1.5mm, 0.3s, baz=356, slow=16, SNR=3.7 LR

JTS Las Juntas de 3.77 126 P Pn 16 01 52.2 +0.3

NVAR Mina Array Bay 37.24 319 P P 16 07 21.4 -0.3

YKA Yellowknife Ar 53.36 345 P P 16 09 25.1 -3.5

JMA 18 16:12:22.1-0.1, 24.34N:0.3:121.8E:0.4, h53km, MV3.0/14, TAIWAN REGION

ASIES 18 16:12:23.0, 24.34N:121.79E, h42km, ML3.8, Mw3.4, Moment Tensor Solution, Moment tensor: Scale 10^21Nm; M0:0.56; M1:1.9; M2:0.9; M3:0.73; M4:0.83; M5:0.83;

Fault plane solution: M0:1.65120x10^21 NP1; az=127.03000, 346.76000, 110.67000; NP2:az=29.68000, 382.25000, 136.26000; Principal axes: T P1g35.43500, Azm339.50600; N P1g45.71700, Azm201.65200; P P1g22.89400, Azm88.99400

TAP 18 16:12:23.0, 24.34N:0.121:79E, h42km, ML3.8, B

ISC 18 16:12:23.7-0.9, 24.33N:0.01:121.82E:0.02, h33km, 2km, n156, c096/278, 9C-200, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EAHA Aohua, EAHA Heping Village, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like TWS1, NCUH Zhongli, ZUH Zuzhuh, etc.

Main data table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, and various codes. Includes stations like PNG Penghu, PHUB Peng-hu, SCZT Fangliu, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like KAN09, KAN17 Caldwell West, KAN17, etc.

Main table containing station names, frequencies, and other technical details. Includes columns for station call letters, frequency, and various parameters.

1035

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like AB31 Akbulak array, ABKAR Akbulak array, AKTO Aktyubinsk, etc.

TAP 18 16:38:56.4, 23:24N:120:60E, h10km, ML2.7, 2C-4D, C,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like WCKO Fanlu, WCKO WCKO, CHN4 Tsauhan, etc.

2019 MAY

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like SNST Nanshi, CHN1 Nanshi, WCKG Gukeng, etc.

TXNET 18 16:40:14.0, 31.7N:0.7, 104:3W:0.7, h6km, 2km, ML2.0/6, Error ellipse: s-maj=1.1km s-min=0.9km az=59.3, final,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like TPB11 China Draw, PECS Pecos, GD2L Guadalupe Moun, etc.

JMA 18 16:40:27.0, 21.24'N:122:39E, 0.6, h52km, 2km, MV3.0/13, NW OFF ISHIGAKIJIMA IS

TAP 18 16:40:27.0, 24:07'N:122:88E, h35km, ML3.6, C

ISC 18 16:40:26.8, 1.0, 23.99N:10.04:122:92E:0.02, h30km, 10km, n82, r15:13/12, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like JYNG Yonagunijimaku, JYNG Yonaguni jima, YOJ Yonaguni jima, etc.

ISC 18 17:17:38.4, 1.0, 183N:0.08:126:51E:0.10, h47km, n11, r0:96/11, mb3.8/5, Northern Hokualea Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

18d 17h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like WNTC Mingjian, TWGBT Beinan, TWGBT TWGBT, etc.

TXNET 18 17:08:31.9, 31.6N:0.5, 104:3W:0.6, h7km, 2km, ML2.7/10, Error ellipse: s-maj=1.0km s-min=0.7km az=59.4, final,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like TPB11 China Draw, PECS Pecos, TPB12 Southeast of T, etc.

IDC 18 17:17:31.9, 1.5, 1.77N:126:20E, h0km, mb3.7/5, mbtmp3.7/6, ML3.6/1, Error ellipse: s-maj=117.8km s-min=19.0km az=68.0

DJA 18 17:17:37.5, 0.3, 2.3N:12:76E, h10km, M3.7/12, mb3.7/3, ML3.7/12

ISC 18 17:17:38.4, 1.0, 183N:0.08:126:51E:0.10, h47km, n11, r0:96/11, mb3.8/5, Northern Hokualea Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like TNTI Ternate, SGSI Sangihe, KMSI Cibinong, etc.

IDC 18 17:18:51.6, 1.7, 0.23S:125:57E, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=211.7km s-min=22.5km az=65.0, Southern Hokualea Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

IDC 18 17:47:08.7, 2.0, 6.20S:147:75E, h73km, 18km, mb3.5/6, mbtmp3.9/9, MS3.0/5, Error ellipse: s-maj=34.6km s-min=12.6km az=103.0

NEIC 18 17:47:08.0, 2.6, 6.24S:107:91E:0.10, h73km, 11km, mb4.2/13, Error ellipse: s-maj=15.1km s-min=10.2km az=125.0

ISC 18 17:47:06.8, 0.6, 6.24S:107:91E:0.10, h73km, n31, r148/31, mb3.9/10, MS3.0/5, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like PMG Port Moresby, PMG Port Moresby, PMG Alice Springs, etc.

18d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, and various data points for stations like WBO, WRA, GUMO, KNRA, AS31, ASAR, DZM, FITZ, STKA, LHI, KAPI, MBWA, MORW, MJAR, MAJO, MJB, PETK, MKAR, QSPA, ILAR, BVAR, TORD, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, and various data points for stations like MT04, MT03, MT08, VA05, MT15, AAGR, MT13, MT01, LMEI, ACLC, AC01, AC01, BO01, BO01, NEIC 18 17:56:13.1, NEIC 18 17:56:12.6, TUL3, RLO, DEOK, DEOK, DEOK, QUOK, QUOK, U38A, U38A, MHAR, MHAR, FNO, FNO, ADOK, ADOK, Z38A, Z38A, T35A, K34A, X40A, X40A, WLAR, W35A, Z35A, TREL, UALR, UALR, CROK, WHAR, KAN13, G002, KAN09, KAN17, CSTR, FCAR, KAN14, KAN01, FW06, WMOK, WMOK, WMOK, KAN05, Z41A, WTF5, KAN12, FW09, Z37A, FW07, NOKA, LCAR, T42A, SMWD, SMWD, R40A, KSU1, KSU1, R32A, CCM, CCM, P38A, FVM, SN07, SN07, CBKS, SN05, P40A, AMTX, POST, WVT, T47A, T25A, L40A, etc.

1036

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, and various data points for stations like NEIC 18 17:56:25.0, NEIC 18 17:56:23.8, Code, Station Name, Az, Phase ID, Time, Res, ISC, etc.

Table with columns for station ID (PEA0B, PETK, etc.), location (Petropavlovsk, etc.), date (12.09, etc.), and time (17.59, etc.).

Table with columns for station ID (E19K, H19K, etc.), location (Redstone River, etc.), date (37.88, etc.), and time (18.03, etc.).

Table with columns for station ID (SML, SML, H24K, etc.), location (comp-Z, 8.6nm, 0.9s, etc.), date (41.41, etc.), and time (18.04, etc.).

18d 18h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Time, Azimuth, Elevation, etc. Includes stations like G29M Pine Creek, G28M Mount Upton, I29M Ogilvie Camp, etc.

2019 MAY

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Time, Azimuth, Elevation, etc. Includes stations like ARCES ARCESS Array B, BELG Belogomorye, WRA Warranguna Arr, etc.

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Table with columns: Code, Station Name, Frequency, Mode, Power, Status, Time, Azimuth, Elevation, etc. Includes stations like KARP Karpathos, D62A Allapoint, AII, etc.

Table with columns: ID, Name, Az, El, S, P, N, E, M, L, R, T, etc. Includes entries like K29M Barlow Dome, I27K Kandik River, G26K Porcupine River, etc.

Table with columns: ID, Name, Az, El, S, P, N, E, M, L, R, T, etc. Includes entries like O28M Mount Upton, O29M Mount Kennedy, C21K Knifeblade Rid, etc.

DJA 18 19:01:41.6,0.6,7.7S;6.127E, h359km±11km, M3.9/10, mb3.9/6, MLv3.9/10, Banda Sea

Table with columns: Code, Station Name, Az, El, S, P, N, E, M, L, R, T, etc. Includes entries like SOEI Soe, BATI Baumata, MMRI Maumere, etc.

WEL 18 19:11:37.5±1.3,34.3±8.8x17.9W±1.5, h12km, M3.9/6, ML4.2/12, MLv3.9/6, Error ellipse: s-maj=19.9km

Table with columns: Code, Station Name, Az, El, S, P, N, E, M, L, R, T, etc. Includes entries like WMGZ Waomatatini S, PKGZ Pakhiroa, HAZ The Kaha, etc.

NEIC 18 19:19:47.0±0.8, 17.8S;0.2±1.78W±0.2, h593km±17km, mb4.0/13, Error ellipse: s-maj=30.7km s-min=23.1km

IDC 18 19:19:48.1±3.3, 18.109S;1.78W±1.9W, h583km±23km, mb3.1/4, mbmp4.0/5, Error ellipse: s-maj=81.1km s-min=34.2km

ISC 18 19:19:47.1±0.9, 17.8S;0.2±1.78W±0.1, h590km, n22, o±0.28/22, mb3.9/11, Fiji Islands region

Table with columns: Code, Station Name, Az, El, S, P, N, E, M, L, R, T, etc. Includes entries like MSVF Nonsavu, AFI Afiamalu, NIUE Niue, etc.

Table with columns: FITZ, JAGI, QSPA, etc. Includes entries like FITZ Fitzroy Crossi, JAGI Jajaj, Banyuwa, QSPA South Pole Qui, etc.

SJA 18 19:22:42.6±0.7, 24.25S;67.10W, h195km±5km, ML3.5, MW3.5
GUC 18 19:22:44.3±0.5, 24.25S;67.42W, h225km±7km, ML3.9
NEIC 18 19:22:44.1±2.1, 24.26S;0.07±0.67W±0.2, h190km, 14km, mb4.1/3, ML3.9(GUC), Error ellipse: s-maj=20.3km

Table with columns: Code, Station Name, Az, El, S, P, N, E, M, L, R, T, etc. Includes entries like SALTA San Lorenzo, AF01 San Pedro de A, AZAP Zapia, etc.

18d 19h

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

IDC 18 19:23:40.9-4.53; 12N; 162.06E, h02km, 43km, mb3.2/4, mtdp3.5/4, ML 1.5/1, MS3.0/1, Error ellipse: s-maj=46.3km s-min=27.6km az=145.0

KRSC 18 19:23:48.7-1.2, 55.37N; 163.22E, h12km, 14km, M3.0, ISC 18 19:23:52.2-1.1, 55.47N; 0.07-163.18E; 0.05, h10km, n16, c174/17, mb3.2/3, Off east coast of Kamchatka

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

BUC 18 19:23:53.0-0.2, 45.167N; 26.63E, h115km, 1km, m4.2/65, Error ellipse: s-maj=1.2km s-min=1.0km az=174.0

IDC 18 19:23:53.6-0.4, 45.73N; 26.48E, h115km, 5km, mb3.4/14, mbtmp3.7/18, MS3.5/1, Error ellipse: s-maj=17.5km s-min=13.0km az=142.0

SIGU 18 19:23:53.4, 45.67N; 26.65E, h119km, MCSM 18 19:23:53.3-0.2, 46.1N; 27.7E, h120km, 3km, mb3.8, mb4.5, MLv3.9, Mw(mb)3.7

CFUSG 18 19:23:54.2, 45.84N; 26.93E, h111km, mb3.1/7, Romania Magtype MSH 3.4 from 7 stations

SOF 18 19:23:55.1, 45.57N; 0.05-26.51E; 0.03, h100km, 6km, MD4.0/6

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

2019 MAY

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

1040

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DNZ2, KLYT, KWP, etc.

IDC 18 19:27:32.0-1.5, 30.01N; 102.90E, h0km, mb3.4/3, mbtmp3.3/4, ML 3.5/1, MS2.9/1, Error ellipse: s-maj=87.8km s-min=25.6km az=63.0, Sichuan

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

1820 20h

Table of station data for 1820 20h, including columns for call sign, name, frequency, and other parameters.

2019 MAY

Main table of station data for 2019 MAY, including columns for call sign, name, frequency, and other parameters.

1025

Table of station data for 1025, including columns for call sign, name, frequency, and other parameters.

1043

Table with columns: Station, Frequency, Power, Direction, etc. Includes stations like HTT, MUN, PBSI, CMAA, NWAOW, etc.

2019 MAY

Table with columns: Station, Frequency, Power, Direction, etc. Includes stations like BNX, BinXian, LSA, Lhasa, LSA, Lhasa, etc.

18d 20h

Table with columns: Station, Frequency, Power, Direction, etc. Includes stations like TKM2, Tokmak 2, KBK, Karagaybulak, AAK, Ala-Archa, etc.

18d 20h

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like O14K Tigyuakuiwet M, N14K Kuskokwak Cree, L14K Kuka Cree, etc.

2019 MAY

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like KDAK Kodiak Island, G19K Purcell Mounta, J19K Poorman, etc.

1044

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like SCM Sheep Creek Mo, E23K Chandalar, TOLK Toolik Lake Re, etc.

Table with columns: HYT, N30M, Aishikik Lake, EPYK, P30M, ASF, G30M, I30M, F30M, OBN, PLBC, O30N, S31K, N31M, SKAG, G31M, H31M, SIT, WHY, F31M, INK, R32K, MMAI, EIL, U33K, CRAC, Q32M, M31M, WRAK, BRTR, R33M, V35K, SPITS, ARCES, AKASG, FINES, FINES, BBB, NB2, NOA, KOOLE, TXAR, DBIC, ATAH, CPUP, LPAZ, SIV, SIV. Includes station names, coordinates, and various codes.

JMA 18 20:39:45.5, 2.0, 35.7N; 0.5:140.1E; 0.7, h68km, 1km, MV3.0/39, CENTRAL CHIBA PREF. JMA Felt I J1 at CENTRAL CHIBA PREF. ISC 18 20:39:46.2, 1.4, 35.55N; 0.04:140.06E; 0.05, h69km; 10km, n21, 0.996/29, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TOKYO, SAMMUMATSUO, ODOWARA, BELLIA, ASHIKAGA, OSHIMA, RYOGAMI SAN, SHIMOB, IZUSHIMODA, KATASHINA, MATSUHISHIRO, KUROKA, MARUMORI, MITSUNE, INUYAMA, TENMABAYASHI, ERIMO.

IDC 18 20:43:56.3, 1.1, 43.57N; 126.75W, h0km, mb3.7/9, mbmp3.8/17, ML3.8/8, MS3.5/22, ORF ellipse: s-maj=22.5km s-min=8.9km az=43.0. NEIC 18 20:43:58.5, 2.0, 43.40N; 106.126.9W; 0.1, h10km, 2km, mb4.2/33, ML3.4/82, ORF ellipse: s-maj=14.1km s-min=9.8km az=243.0. ISC 18 20:43:59.2, 0.6, 43.44N; 106.126.94W; 0.08, h14km, n154, 0.960/135, mb4.2/23, MS3.6/15, Off coast of Oregon

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KEBO, J01E, J01E, J01E, J02E, KBO, KBO, K02D.

Main table with columns: K02D, I03D, K5XB, L02F, COR, COR, HEB0, HEB0, BUCK, BUCK, KRPM, KRPM, BBOR, BBOR, G03D, G03D, H04D, H04D, I04A, I04A, I04A, JCC, JCC, F03A, J04A, YBH, YBH, YBH, L04D, L04D, L04D, H04A, H04A, RADR, RADR, RADR, F04D, K04D, E03A, KMRM, KMRM, I05D, I05D, J05D, J05D, HOOD, PINE, O02D, NLWA, G06A, G06A, LON, LON, LON, I07A, I07A, I07A, F07A, OZB, ORV, MXC, CLRS, PGC, LTY, E07A, HAWA, A04D, AFDM, LNFH, CSB, PAHR, PNTR, BMO, HOLB, CMB, LLLB, MFID, NVAR, NVAR, NEW, NEW, NEW, BBB, BBB, BBB, ELK, ELK, ELK, HLD, HG4B, MSO, ISA, HVU, DUG, DUG, YHUT, YHUT, AHID, YHD, YNR, H7A, YNE, KNB, K02D. Includes station names, coordinates, and various codes.

Table with columns: PDAR, PDAR, PDAR, RLMT, PFO, W13A, X16A, DLBC, Q32M, ISCO, RSSD, RSSD, TUC, SDCCO, SDCCO, ANMO, ANMO, ANMO, ANMO, T25A, FFC, FFC, YKA, YKA, YKAW1, YKAW3, KLU, KLU, KDAK, F33A, ECSD, ECSD, AGMN, ULM, ULM, ULM, N35A, TX31, TX31, TXAR, TXAR, TXAR, WMOK, WMOK, LPIG, H29M, H29M, I26K, I26K, T35A, IL31, IL31, ILAR, ILAR, I37A, PPLA, PRP, PRP, BPAW, BPAW, INK, P38A, FCC, FCC, I21K, J19K, J19K, L16K, L16K, H19K, TKL, SADO, RES, FRB, SFJD, JTS, H1N3, H1N2, H1N1, H1S1, H1S2, H1S3, HFS, FINES, SONM, GUMO, ARTI, HHC, HHC, BVAR, KURBB, HNR. Includes station names, coordinates, and various codes.

Table with station names (PZH, PanZhiHua), coordinates (97.28 317), and other parameters (P, pmax, 20 57 32.3 +1.2).

Table listing station names (TXNET, TPB11, TPB12, etc.), coordinates, and various parameters (AZ, Phase ID, Time Res, etc.).

IDC 18 21:10:02.6:2.2.35:26N:27.89E, h0km, mb3.5/3, mbmp3.2/6, ML2.8/0, Error ellipse: s-maj=43.9km

ISK 18 21:10:03.0:35.08N:27.91E, h9km, ML3.1/19, Error ellipse: s-maj=39.0km

ISC 18 21:10:03.7:1.1, 35.09N:0.07:27.90E, h10km, n25, c098/28, mb3.4/3, Dodecanese Islands

Table listing station names (KARP, ARG, ZKR, etc.), coordinates, and various parameters (AZ, Phase ID, Time Res, etc.).

NOU 18 21:21:02.5:15.49S:167.77E, h40km, MLv4.1/10, Vanuatu Islands, Vanuatu Islands

Table listing station names (VLAKA, DVP, YATNC, etc.), coordinates, and various parameters (AZ, Phase ID, Time Res, etc.).

NEIC 18 21:33:02.4:1.7, 19.7S:0.1:178.0W:0.2, h584km, mb1.0km, mb4.0/17, Error ellipse: s-maj=26.1km s-min=14.9km az=111.0

IDC 18 21:33:03.1:1.8, 19.6S:178.13W, h592km, 20km, mb3.0/10, mbmp4.0/12, Error ellipse: s-maj=22.0km

ISC 18 21:33:03.4:0.5, 19.81S:0.09:178.1W:0.1, h600km, n44, c093/42, mb3.8/19, Fiji Islands region

Table listing station names (MSVFN, AF1, URZ, etc.), coordinates, and various parameters (AZ, Phase ID, Time Res, etc.).

Table listing station names (PETK, N14K, BELA, N15K, N15K, M16K, etc.), coordinates, and various parameters (AZ, Phase ID, Time Res, etc.).

UCR 18 21:39:14.8:0.4, 12.51N:88.01W, h29km, 7km, MW3.6, CATAC 18 21:39:14.6:0.3, 13.1N:2.8W, h33km, 3km, M4, 0/43, MLv4.0/43, Error ellipse: s-maj=4.7km s-min=1.4km az=25.5, confirmed

CGC 18 21:39:15.7:0.7, 12.65N:88.16W, h33km, 6.4km, MD4.3, SNET 18 21:39:17.6:3.5, 12.93N:87.97W, h46km, ML3.7

ISC 18 21:39:14.3:1.2, 12.56N:0.04:88.07W:0.03, h32km, 11km, n104, c057/130, 4C-14D, Off coast of central America

Table listing station names (CSGN, POTN, POTN, etc.), coordinates, and various parameters (AZ, Phase ID, Time Res, etc.).

NOU 18 21:21:02.5:15.49S:167.77E, h40km, MLv4.1/10, Vanuatu Islands, Vanuatu Islands

Table listing station names (LALJ, ALJI, ALJI, etc.), coordinates, and various parameters (AZ, Phase ID, Time Res, etc.).

Table listing station names (JAYA, LIMN, LIMN, etc.), coordinates, and various parameters (AZ, Phase ID, Time Res, etc.).

IDC 18 22:03:09.8:6.5, 22.58S:175.16W, h75km, 49km, mb3.7/6, mbmp4.0/7, ML4.8/1, Error ellipse: s-maj=49.4km s-min=34.6km az=93.0

ISC 18 22:03:06.6:1.6, 22.6S:0.2:175.0W:0.3, h50km, n8, c190/8, mb4.0/6, Tonga Islands region

Table listing station names (MSVF, STKA, ASAR, etc.), coordinates, and various parameters (AZ, Phase ID, Time Res, etc.).

WRA Warramunga Arr 47.11 263 P 22 11 32.5 -1.5

QSPA South Pole Qui 67.45 180 P 22 13 57.6 -0.9

MSVF Nonsavu 8.15 305 P 22 05 03.4 +1.0

STKA Stephens Creek 38.61 243 P 22 10 12.2 -0.2

ASAR Alice Springs 46.79 258 P 22 11 30.9 -0.7

WRA Warramunga Arr 47.11 263 P 22 11 32.5 -1.5

QSPA South Pole Qui 67.45 180 P 22 13 57.6 -0.9

MSVF Nonsavu 8.15 305 P 22 05 03.4 +1.0

STKA Stephens Creek 38.61 243 P 22 10 12.2 -0.2

ASAR Alice Springs 46.79 258 P 22 11 30.9 -0.7

WRA Warramunga Arr 47.11 263 P 22 11 32.5 -1.5

QSPA South Pole Qui 67.45 180 P 22 13 57.6 -0.9

MSVF Nonsavu 8.15 305 P 22 05 03.4 +1.0

STKA Stephens Creek 38.61 243 P 22 10 12.2 -0.2

ASAR Alice Springs 46.79 258 P 22 11 30.9 -0.7

WRA Warramunga Arr 47.11 263 P 22 11 32.5 -1.5

QSPA South Pole Qui 67.45 180 P 22 13 57.6 -0.9

MSVF Nonsavu 8.15 305 P 22 05 03.4 +1.0

STKA Stephens Creek 38.61 243 P 22 10 12.2 -0.2

ASAR Alice Springs 46.79 258 P 22 11 30.9 -0.7

WRA Warramunga Arr 47.11 263 P 22 11 32.5 -1.5

QSPA South Pole Qui 67.45 180 P 22 13 57.6 -0.9

MSVF Nonsavu 8.15 305 P 22 05 03.4 +1.0

STKA Stephens Creek 38.61 243 P 22 10 12.2 -0.2

ASAR Alice Springs 46.79 258 P 22 11 30.9 -0.7

WRA Warramunga Arr 47.11 263 P 22 11 32.5 -1.5

QSPA South Pole Qui 67.45 180 P 22 13 57.6 -0.9

MSVF Nonsavu 8.15 305 P 22 05 03.4 +1.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include OHH Osh, DRK Karamyk, ARSB Arslanbob, etc.

NEIC 18 22:24:10.5±1.0, 43.66N±0.06:105.35W±0.06, h0km, 1km, ML3.2/3.5, Error ellipse: s-maj=10.2km s-min=7.4km az=8.0

IDC 18 22:24:12.3±1.3, 43.68N±0.05:105.58W±0.06, h0km, mbtmp3.1/4, ML3.1/4, Error ellipse: s-maj=23.8km s-min=10.3km az=150.0

ISC 18 22:24:10.7±0.9, 43.63N±0.05:105.33W±0.06, h0km, n24, r142/23, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include RSSD Black Hills Casper, LAO LASA Array, RLMT Red Lodge, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include BSUT Blindstream Ca, BSUT, EGMT Eagleton, etc.

IPEC 18 22:49:05.6±0.2, 51.51N±16.19E, h1km, ML2.5/6, Error ellipse: s-maj=2.7km s-min=1.2km az=60.0

DNK 18 22:49:05.3±2.0, 51.55N±15.72E, h0km, 53km, ML2.1

VIE 18 22:49:06.6±0.7, 51.42N±16.23E, h0km, mb2.5/13, ml2.7/16, ms3.1/1, Error ellipse: s-maj=8.2km s-min=3.4km az=58.0

IDC 18 22:49:06.2±0.9, 51.54N±15.76E, h0km, mbtmp3.0/7, ML2.9/6, Error ellipse: s-maj=15.4km s-min=8.9km az=106.0

PRU 18 22:49:07.3±1.5, 45N±16.13E, h0km

UPP 18 22:49:09.4±2.5, 51.75N±15.54E, h0km, ML1.9

ISC 18 22:49:03.8±0.7, 51.57N±16.02E, h0km, n79, r137/153, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include Code Station Name, KSP Ksiaz, KPC Chwalec, etc.

NEIC 18 23:32:06.5±2.3, 20.63S±70.83W, h10km, mb4.4

SJA 18 23:32:31.8±0.6, 20.14S±69.28W, h107km±2km, ML4.0, MWJ 9

NEIC 18 23:32:32.7±1.4, 20.17S±0.05:69.29W±0.05, h105km, 5km, mb4.0/10, ML4.0 (GUC), Error ellipse: s-maj=8.9km s-min=4.1km az=140.0

GUC 18 23:32:34.4±0.9, 20.19S±69.37W, h102km±4km, ML4.0

IDC 18 23:32:34.9±3.0, 20.12S±68.99W, h117km±28km, mb3.6/4, mbtmp3.9/7, Error ellipse: s-maj=34.4km s-min=21.7km az=85.0

ISC 18 23:32:32.0±0.6, 20.13S±0.03:69.24W±0.05, h106km±5km, n78, r194/95, mb3.9/3, 5C-2D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include PB08 IPOC Station P, G001 Chusmiza, G001 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include ARSA Arzberg, ARSA, LUNU LUND, LUNU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include BLEU Bleikinge, BLEU, BLEU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include WATA Walderalm, WATA, OBKA Obir, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include MYKA Terra Mystica, WTTA Wattenberg, WTTA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include RETA Reutte, RETA, ABTA Abfaltersbach, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include VJXU Vaesjoe, VJXU, VJXU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include EKSU Eksjoe, EKSU, EKSU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include VSTU Vaestervik, VSTU, DAVOX Davos/Dirschmat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include AKASO Malin Array Be, AKASO, HFS Hagfors, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include FINES FINES Array B, FINES, EKA Eskdalemuir Ar, etc.

19d Oh

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Diego Aracena, IOPC Station P, and various other codes.

SOME 18 23:54:55.4, 38193N;74.78E, h0km
NCC 18 23:55:02.0, 5.4, 39.03N;75.05E, h0km, mb4.0, mpv3.6, Error ellipse: s-maj=40.7km s-min=35.0km az=138.0

ISC 18 23:55:08.1, 4.4, 39.35N;74.90E, h96km, 34km, mb3.2/7, mbmp2.5/11, MS2=7/2, Error ellipse: s-maj=38.1km s-min=22.5km az=20.0

ISC 18 23:54:57.3-1.0, 39.070N;0.066,74.81E, h10km, n34, az=203/44, mb3.4/6, 7C-2D, Southern Xinjiang

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

2019 MAY

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TKM2, CHMS, CHMS, CHMS, etc.

ISC 18 23:57:59.2, 2.1, 28.53S;176.47W, h0km, mb3.8/3, mbmp3.9/4, ML4.3/1, MS3.4/3, Error ellipse: s-maj=70.5km s-min=34.5km az=140.0

ISC 18 23:58:02.8, 1.1, 28.91S;176.00W, 0.1, h38km, n27, az=148/23, mb3.9/3, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GLKZ, RIZ, WMGZ, PKGZ, etc.

ISC 19 00:42:42.6, 6.1, 17.49S;167.77E, h0km, mb4.1/7, mbmp4.1/8, ML3.7/1, MS3.5/7, Error ellipse: s-maj=34.0km s-min=20.9km az=90.0

NEIC 19 00:42:45.4, 1.1, 17.55S;0.1x167.7E:0.1, h10km, 1km, mb4.5/11, Error ellipse: s-maj=21.8km s-min=20.5km az=244.0

ISC 19 00:42:45.0, 8.1, 17.49S;0.08, 167.7E:0.2, h19km, n39, az=096/35, mb4.5/10, MS3.6/5, Vanuatu Islands

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

1048

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EIDS, MRZ, STKA, STKA, etc.

IDC 19 00:58:29.1, 4.7, 37.30N;71.68E, h109km, 32km, mb3.6/9, mbmp4.1/14, Error ellipse: s-maj=46.7km s-min=21.7km az=151.0

MOS 19 00:58:31.3, 1.1, 37.64N;71.51E, h121km, mb4.1/6, Error ellipse: s-maj=13.6km s-min=6.8km az=92.1

NCC 19 00:58:34.1, 2.7, 37.81N;71.46E, h188km, 38km, mb3.4, mpv4.4, s-maj=26.0km s-min=16.2km az=22.0

ISC 19 00:58:30.0, 0.9, 37.53N;108.7134E:0.08, h100km, n53, az=156/60, mb3.9/11, 13C-9D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML, UCH, EKS2, KK31, etc.

19d 1h

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

2019 MAY

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

1050

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

Table with columns for country codes (SRBI, JAGI, etc.), names, and numerical data. Includes entries like SRBI Singaraja, JAGI Jajag Banyuwa, etc.

Table with columns for country codes (KUR, JSH, etc.), names, and numerical data. Includes entries like KUR comp=Z,663nm,1.3s, JSH Shimam, etc.

Table with columns for country codes (PSI, PSTR, etc.), names, and numerical data. Includes entries like PSI Prapat, PSTR Posyet, etc.

19d 1h

2019 MAY

1052

Table with columns: S/N, name, date, time, frequency, mode, and signal strength. Includes stations like SNY, MAW, NIKH, CN2, BNX, GYA, UNV, GRNR, LYN, KLR, LVA, AKUT, HNS, AIS, BJT, BJI, BELA, CMBY, P08K, TIY, CM31, CMAR.

Table with columns: name, date, time, frequency, mode, and signal strength. Includes stations like KMI, XAN, CHTO, SP1A, CNBA, CHNA, S12K, SDPT, HEH, SMAI, PZH, XLT, S14K, CD2, HHC, MA2, CHIR, PBA, SYO, DGPR.

Table with columns: name, date, time, frequency, mode, and signal strength. Includes stations like BTO, R16K, R16K, ZEA, ZIA, SII, ELIB, M11K, M11K, O14K, O14K, O15K, O15K, R18K, PMSA, PMSA, OHAK, OHAK, Q17K, Q17K, N14K, N14K, M13K, M13K, P16K, P16K, Q16K, Q16K, LZH, LZH, LZH, LZH, LZH, LZH, LZH, LZH, O16K, O16K.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like O16K Kokkok River B, O16K Katmai Hardscr, O18K Katmai Hardscr, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SNA4 comp=Z,242nm,1.6s, SNA4 comp=Z,6um,17.0s, K15K Wolf Creek Mou, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like L19K White Mountain, L19K comp=Z,10um,20.0s, L19K White Mountain, etc.

19d 1h

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like M22K Willow, HIN Hinchinbrook I, L04D Klamath Falls, etc.

2019 MAY

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like K04D comp=Z,10um,19.0s, RAGM Rugged Mountai, etc.

1054

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like G18K comp=Z,87nm,1.6s, G18K Tagagawak, etc.

1055

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GOMU, LSA, D17K, AY03, V35K, etc.

2019 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PALK, K24K, R32K, etc.

19d 1h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like HYT, POKR, C18K, etc.

19d 1h

Table with columns for station ID, name, time, and various performance metrics. Includes stations like KNB Kanab, F2K2K John River, M29M Somme Creek, etc.

2019 MAY

Table with columns for station ID, name, time, and various performance metrics. Includes stations like D22K Ayikyak River, M29M Somme Creek, JHSG JHSG, etc.

1056

Table with columns for station ID, name, time, and various performance metrics. Includes stations like KOD Kodaikanal, MPMY Sheldon Lake, HWUT Hardware Ranch, etc.

19d 1h

Table with columns for station name, frequency, power, and various signal quality metrics (e.g., SNR, BER, etc.). Includes stations like HOPEN, P61A, MREMI, etc.

2019 MAY

Table with columns for station name, frequency, power, and various signal quality metrics. Includes stations like SFJD, Kangerlussuaq, ITTB, etc.

1058

Table with columns for station name, frequency, power, and various signal quality metrics. Includes stations like SDBA, SAO DESIDERIO, ATM1, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NB2, NOA, HFS, NC602, GHAJ, MMAI, BR131, SKAR, SUW, SUE, ANTO, KONO, NBAN, KIS, ASK, MILM, BER, ODD1, NBPP, BLSS, MFR, SBBR, R9F13, TLBR, HARR, TESR, SNART.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SNART, OVD, PSN, VRI, ISP, PLOR, BURAR, BISRR, BSD, COVR, TURR, KWP, ISR, NEHR, OZUR, BOSR, COP, GKP, MLR, MLR, NBCL, DOPCA, ALCR, KOLS, KOLS, BAND, NBVP, RCBR, VOIR, STHS, CBBR, CRR, ARR, QJC, SZH, TNR, SSSD, MESR, HUMR, NIE, MARR, DRGR, LOT, KECS, VAD, DEV, BORR, LANS, OKC, OKC, EZN, EZN, RUE, GZR, STEB, SRE, KSP, SURR, PSZ, MORC, MORC, MORC, BAII, OSTC, OSTC, OSTC, OSTC, MPEP, MAUC, CHVC, CHVC, KRCL, KRCL, KRCL, PUNG, DPC, DPC, DPC, VYHS, VYHS, HERR, UPIC, UPIC, UPIC, GORT, KARP, DJES, BZS, BZS, BZS, TIM, TIM, JAVG, INVG, MDRV, BANR, VTS, VRAC.

Table with columns for station name, frequency, power, and other technical details. Includes stations like VRAC, VRAC, VRAC, LAWE, PVCC, PVCC, BRG, BRG, SRO, SRO, SMOL, ESY, CLL, CLL, CLL, CLL, CLL, CRUC, NRDL, MODS, MODS, RETH, ASSE, KKB, GOPC, GOPC, GOPC, PGBU, PGBU, PRA, PRU, PRU, PRU, HSKK, HSKK, HSKK, TREC, TREC, TREC, NEUB, CLZ, CLZ, EKA, ESK, ESK, ESK, FRGS, MORH, ZVC, TANN, TANN, NEWG, NEWG, EDMD, EDMD, GTTG, GTTG, NKC, NKC, NKC, MOX, MOX, MOX, RONA, CLGH, CLGH, IDI, GDLE, TEKS, IDGL, IDGL, CKRC, CKRC, SKO, MANZ, MANZ, KHC, KHC, KHC, ROTZ, ROTZ.

19d 1h

Table of astronomical observations for 19d 1h, listing stations like GEC2, GEC3, GEC4, etc., and their associated data points.

2019 MAY

Main table of astronomical observations for 2019 MAY, listing stations like CEY, UCC, UCC, etc., and their associated data points.

1060

Table of astronomical observations for 1060, listing stations like MTE, MTE, MTE, etc., and their associated data points.

STR 19:01:36:57.61, 1.8, 45' N: 10° 51' 00" E, h5km, MLV0.6/3, Error ellipse: s-maj=0.0km s-min=0.0km az=46.5, preliminary, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries for ORIF, ORIF, ORIF.

IDC 19:01:37:22.3:0.9, 21.285x169.58E, h0km, mb4.0/8, mbmp3.9/9, Error ellipse: s-maj=25.5km s-min=21.9km az=150.0

NEIC 19:01:37:23.9:2.2, 22.0S: 0.1x169.67E: 0.05, h10km, 1km, mb4.9/12, Error ellipse: s-maj=23.5km s-min=3.1km az=161.0

NOU 19:01:37:25.6:1.21, 83S: 169.56E, h0km, MLV3.8/10, MSVF 19:01:37:25.6:1.21, 83S: 169.56E, h0km, MLV3.8/10

ISC 19:01:37:22.9:0.2, 19S: 0.1x169.67E: 0.06, h10km, m72, s1767/11, mb4.4/13, IC, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries for MARNC, MARNC, MARNC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Vanda, Mono, Matsuhiro Arr, South Pole Qui, Kamikawa-asahi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Tsuno, Nichinankitagto, Hyugahiguchi, Kuchima-Naru, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like San Esteban, Tololo Observa, Peldehue, Renca, etc.

19 01:01:25.6, 20.95Sx169.45E, h0km, mb3.4/2, mbtm3.5/3, Error ellipse: s-maj=255.0km

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

19 01:01:25.6, 21.1, 31.33N, 0.04, 131.83E, 0.06, h32km, 7km, n60, s137.51, mb4.0/19, 10D, Kyushu

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

WEL 19 02:15:22.0, 4.0, 6.41'S, 5x17.4E, h46km, 7km, M2.9/19, ML3.1/16, ML v2.9/19, Error ellipse: s-maj=6.8km

ISC 19 02:15:22.0, 1.5, 40.99S, 0.04x173.89E, 0.03, h65km, 8km, n47, s0.88/52, Cook Strait

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

SNET 19 01:51:19.7, 1.4, 13.83N, 89.40W, h14km, 7km, ML2.0

GCG 19 01:51:20.0, 0.8, 13.79N, 89.44W, h11km, 999km, MD2.7

ISC 19 01:51:20.0, 1.1, 13.82N, 0.04, 89.40W, 0.04, h15km, 6km, n9, s0.96/16, 1C, 3D, El Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CEDA, QUEZ, PMON, BOQUERON, etc.

SJA 19 02:00:24.7, 1.7, 31.64S, 72.24W, h15km, ML3.5, MW3.8

GUC 19 02:00:28.4, 0.9, 31.68S, 72.16W, h38km, 3km, ML3.7

ISC 19 02:00:19.9, 2.0, 31.54S, 0.03, 72.16W, 0.10, h33km, 5km, n33, s1.48/45, 1D, Off coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FRAY JORGE, CATAPILCO, COMBARBAL, etc.

19 01:56:43.4, 5.7, 21.04S, 169.48E, h0km, mb3.5/2, mbtm3.5/3, ML3.5/1, Error ellipse: s-maj=263.0km

s-min=29.7km az=150.0, Southeast of Loyalty Islands

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

19 02:43:01.9, 3.1, 44.79N, 0.06, 149.5E, 0.1, h42km, 18km, n78, s1.32/81, mb3.9/28, 2C, Kuril Islands

ISC 19 02:42:57.3, 2.1, 44.79N, 0.06, 149.5E, 0.1, h42km, 18km, n78, s1.32/81, mb3.9/28, 2C, Kuril Islands

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

SKHL 19 02:42:56.0, 0.4, 44.80N, 149.70E, h53km, 7km, mb4.9/4

MOS 19 02:42:57.0, 0.9, 44.80N, 149.41E, h61km, mb4.2/4, Error ellipse: s-maj=14.0km s-min=11.8km az=169.0

JMA 19 02:42:57.0, 0.8, 45.1N, 149.41E, h30km, MV4.2/12, SE OFF ETOROFU

NEIC 19 02:43:00.1, 1.7, 44.9N, 0.1, 149.3E, 0.2, h59km, 8km, mb4.4/12, Error ellipse: s-maj=21.3km s-min=14.5km az=155.0

19 02:43:01.9, 3.1, 44.79N, 0.06, 149.5E, 0.1, h42km, 18km, n78, s1.32/81, mb3.9/28, 2C, Kuril Islands

ISC 19 02:43:01.9, 3.1, 44.79N, 0.06, 149.5E, 0.1, h42km, 18km, n78, s1.32/81, mb3.9/28, 2C, Kuril Islands

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

Table with columns: Station Name, Frequency, Mode, Power, SNR, etc. Includes stations like KUR, SHO, YUK, YV, etc.

Table with columns: Station Name, Frequency, Mode, Power, SNR, etc. Includes stations like GAR, WRA, PDAR, NOA, etc.

Table with columns: Station Name, Frequency, Mode, Power, SNR, etc. Includes stations like SAND, SGCV, APMT, etc.

0.9m,0.3s FETA Feichten 149.62 331 i PKP PKPbc 04 10 50.03 -0.3

IDC 19 03:57:08.4.3.6.21.68Sx169.87E,h0km,mb3.4/2, mbmp3.4/3,ML3.7/1, Error ellipse: s-maj=185.2km s-min=33.0km az=158.0

ISC 19 03:57:14.9.3.3.21.51.169.6E:0.5,h35km,n11, 0355/12,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include DZM, WRA, ASAR, ARCES, EKA, CONA, GERES, ABTA, MOTA, SQTA, FETA.

IDC 19 03:58:16.7.0.8.21.76Sx169.71E,h0km,mb3.9/6, mbmp3.9/8,ML4.6/2, Error ellipse: s-maj=30.7km s-min=20.7km az=161.0

ISC 19 03:58:20.6.0.7.21.85.02x169.70E:0.09,h25km,n33, 0355/33,mb3.9/3,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include DZM, MSVF, ASAR, WRA, MJAR, GSPA, SNAA, NVAR, ARCES, FINES, NOLA, KRCL, BRG, CLL, EKA, ZVC, ROSA, RONA, CKRC, GERES, MOA, KBA, LESA, ABTA, WATA, WTTA, MOTA, RETA, SQTA, FETA, DAVA.

IDC 19 04:04:41.8.1.2.21.67Sx169.84E,h0km,mb3.7/3, mbmp3.7/4,ML3.7/1, Error ellipse: s-maj=43.4km s-min=31.0km az=163.0

NOU 19 04:04:49.4.2.1.29.95S:169.33E,h0km,MLv3.7/9,Southeast of Loyalty Islands

ISC 19 04:04:43.8.1.1.21.68S:0.08,169.7E:0.1,h10km,n17, 0352/17,mb3.8/3,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include YATNC, OUEUC, DZM, ARCES, FINES, EKA, GERES, WRA, GSPA, ARCES, FINES, EKA, GERES, WRA, GSPA, ARCES, FINES, EKA, GERES, WRA, GSPA.

IDC 19 04:19:52.8.0.8.29.68N:51.22E,h0km,mb4.0/21,

mbmp4.0/25,ML3.4/4,MS2.2/1, Error ellipse: s-maj=18.6km s-min=13.6km az=165.0

MOS 19 04:19:54.5.1.4.29.63N:51.17E,h20km,mb4.3/23, Error ellipse: s-maj=8.1km s-min=5.6km az=98.0

TEH 19 04:19:54.3.29.68N:51.31E,h7km,30km

THR 19 04:19:54.0.0.0.29.63N:51.21E,h10km,14km,ML4.2

NEIC 19 04:19:55.1.2.2.29.68N:0.08:51.25E:0.06,h10km,1km, mb4.2/27, Error ellipse: s-maj=15.3km s-min=3.4km az=210.0

DSN 19 04:19:56.4.1.8.29.63N:51.39E,h15km,ML3.8/12, Error ellipse: s-maj=23.7km s-min=7.5km az=1.0

OMAN 19 04:19:59.9.0.1.29.40N:167E,h10km,mb4.6/25, ml4.2/4, Error ellipse: s-maj=1.7km s-min=0.8km az=297.0

SGS 19 04:20:06.0.29.33N:51.06E,h10km,M13.8

ISC 19 04:19:56.0.0.3.29.66N:0.03:51.35E:0.04,h20km,n284, 0173/307,mb4.2/70,14C-11D,Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include KAZZ, SHI, DSBU, ABEH, KLNJ, KLNJ, KLNJ, QIR1, IBRJ, JHRM, IRAM, ZNGN, JHBN, IGAR, KFJ52, KFJ52, ISAD, IPIR, IMEH, LAR1, ZTFZ, KFJ51, GTMR, IKLH, SAKB, WANAN, SHMA, SHMA, YZKH, ANAR, IBAF, SOGOS, KHMZ, NHFOF, KHGS, ZRDN, NGRK, KRBR, KRBR, ISFB, BNDS, BNDS, GHVH, GHVH, IKFM, JRJN, JRJN, TRNA, TRNA, SMRA, SMRA, ASAO, ASAO, HSAM, IQOM, KRMI, RQBS, IVRN, NHRD, CHMN, SHME, SHME, SLWR, SLWR, TPRV, BANOW, BANOW, GHWHR, IIRAZ, ILAS, ILBA, ILBA, IDHV, DAMV, DAMV, AJN, AJN, NAZ, NAZ, MASF, MASF, MASF, MASF, IFIR, ASUD, ASUD, ASUD, MDH, MDH, MDH, HGAH, TNSJ, KBAM, TKDS, TABS, UOSS, UOSS, UOSS, UOSS, HATD, HATD, HATD, ASHO, ASHO, ASHO, ASHO.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include IDHR, IGZV, ALNE, ALNE, ALNE, MZR, MZR, ITEG, IKOO, IGLO, TAPT, SOHO, SOHO, SHRO, UMZA, UMZA, ARAQ, ARQ, ARY, RAYN, RAYN, HOQ, HOQ, ZHRF, SRSL, SRSL, SHRT, SHRT, BIDO, BIDO, BSY, BSY, MRVT, MRVT, SMDO, SMDO, JMDO, JMDO, NGCH, NGCH, SRVN, JLN, JLN, MHTO, MHTO, DQM, DQM, DQM, DQM, DOK, DOK, WHFO, WHFO, DMTO, DMTO, ABTO, ABTO, RBK, RBK, ASF, ASF, ASF, ASF, SHA1, KIV, SOC, SOC, SIMJ, BRTR, BTK, BTK, NIL, NIL, ATD, KKR, KKR, KKR, AB31, AB31, AB31, YLV, ARSB, ARSB, ARSB, AKTO, AKTO, KSH, KSH, KSH, AAK, AAK, VRR, VRR, IDI, IDI, NRR, NRR, NRR, VSR, VSR, BOOM, BOOM, BOOM, BOOM.

19d 5h

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like VORR Voronezh, KDJ Kajisay, TARG Taragay, etc.

2019 MAY

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like CLL Collm, FETA Feichten, RETA Reutte, etc.

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Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like BSSI Bau Bau, EDFI Ende Flores, BKSI Bulukumba, etc.

ISC 19 05:07:17.0-0.6, 7.51N, 0.05E, 94.08E, 0.09, h10km, n39, +135/35, mb3.8/1.5, Nicobar Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMBY CAMPBELL BAY, BSI Banda Aceh, LMI Lhok Sumawe, etc.

ISC 19 05:43:16.1-1.3, 21.65S, 169.81E, h0km, mb3.7/3, mbtmp3.7/4, ML3.6/1, MS3.2/1, Error ellipse: s-maj=46.3km s-min=31.7km az=163.0

NOU 19 05:43:35.4, 21.81S, 168.05E, h0km, MLV2.3/6, Loyalty Islands

ISC 19 05:43:16.7-1.3, 21.65S, 169.81E, h1, h35km, n14, +670/14, mb3.6/3, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, YATNC Mamie plateau, etc.

ISC 19 06:02:00.8-0.3, 28.33N, 55.00E, h0km, mb3.5/7, mbtmp3.6/7, MS3.2/2, Error ellipse: s-maj=58.7km s-min=29.4km az=154.0

TEH 19 06:02:03.4, 28.27N, 55.31E, h20km, 8gkm

ISC 19 06:02:02.0-0.6, 28.25N, 0.06E, 55.26E, 0.04, h10km, n27, +150/25, mb3.5/7, Southern Iran

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ANAR Anarak, KBZ Khabaz, BRTR Keskin Array B, etc.

ISC 19 06:09:51.9-4.6, 19.26S, 168.76E, h0km, mb3.4/2, mbtmp3.4/2, MS3.1/1, Error ellipse: s-maj=296.8km s-min=59.9km az=158.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

SJA 19 06:11:16.6-0.7, 27.96S, 71.37W, h43km, 8km, ML3.5, MW4.3

GUC 19 06:11:16.5-0.7, 28.01S, 71.32W, h44km, 3km, ML3.7

ISC 19 06:11:18.0-1.1, 6.72S, 174.50W, 0.08, h35km, n30, +183/42, Near coast of northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AC04 Llanos de Chal, GO03 Copiapo, etc.

ISC 19 06:12:18.8-0.9, 23.94S, 66.89W, h226km, ML4.5, MW4.3

ISC 19 06:12:20.1-2.0, 23.87S, 66.75W, h196km, 16km, mb3.7/12, mbtmp4.3/17, Error ellipse: s-maj=22.1km s-min=11.8km az=45.0

GUC 19 06:12:20.8-0.8, 23.94S, 66.92W, h208km, 6km, ML4.9

NEIC 19 06:12:20.3-1.3, 23.91S, 0.07E, 66.83W, 0.09, h200km, 7km, mb4.5/106, Mw4.2(GUC), Error ellipse: s-maj=12.2km s-min=9.9km az=73.0

VAO 19 06:12:23.8-0.9, 23.59S, 66.64W, h218km, 7km, mb4.5

ISC 19 06:12:20.0-0.5, 23.91S, 0.04E, 66.91W, 0.04, h205km, 5km, n169, e120/154, mb4.5/56, 1C-1D, Jujuy Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ACCO Cerro Coronel, ACLC CERRO LA CRUZ, etc.

SJA 19 06:12:18.8-0.9, 23.94S, 66.89W, h226km, ML4.5, MW4.3

ISC 19 06:12:20.1-2.0, 23.87S, 66.75W, h196km, 16km, mb3.7/12, mbtmp4.3/17, Error ellipse: s-maj=22.1km s-min=11.8km az=45.0

GUC 19 06:12:20.8-0.8, 23.94S, 66.92W, h208km, 6km, ML4.9

VAO 19 06:12:23.8-0.9, 23.59S, 66.64W, h218km, 7km, mb4.5

ISC 19 06:12:20.0-0.5, 23.91S, 0.04E, 66.91W, 0.04, h205km, 5km, n169, e120/154, mb4.5/56, 1C-1D, Jujuy Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SALTA, RUSC La Rusia, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SALTA, AF01 San Pedro de A, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GO02 Mina Guanaco, GO02 Mina Guanaco, etc.

ISC 19 06:11:16.6-0.7, 27.96S, 71.37W, h43km, 8km, ML3.5, MW4.3

GUC 19 06:11:16.5-0.7, 28.01S, 71.32W, h44km, 3km, ML3.7

ISC 19 06:11:18.0-1.1, 6.72S, 174.50W, 0.08, h35km, n30, +183/42, Near coast of northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AC02 Maricunga, AC01 Pan de Azucar, etc.

ISC 19 06:12:18.8-0.9, 23.94S, 66.89W, h226km, ML4.5, MW4.3

ISC 19 06:12:20.1-2.0, 23.87S, 66.75W, h196km, 16km, mb3.7/12, mbtmp4.3/17, Error ellipse: s-maj=22.1km s-min=11.8km az=45.0

GUC 19 06:12:20.8-0.8, 23.94S, 66.92W, h208km, 6km, ML4.9

VAO 19 06:12:23.8-0.9, 23.59S, 66.64W, h218km, 7km, mb4.5

ISC 19 06:12:20.0-0.5, 23.91S, 0.04E, 66.91W, 0.04, h205km, 5km, n169, e120/154, mb4.5/56, 1C-1D, Jujuy Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PTBL Pontes e Lacer, PTBL Pontes e Lacer, etc.

ISC 19 06:12:18.8-0.9, 23.94S, 66.89W, h226km, ML4.5, MW4.3

ISC 19 06:12:20.1-2.0, 23.87S, 66.75W, h196km, 16km, mb3.7/12, mbtmp4.3/17, Error ellipse: s-maj=22.1km s-min=11.8km az=45.0

GUC 19 06:12:20.8-0.8, 23.94S, 66.92W, h208km, 6km, ML4.9

VAO 19 06:12:23.8-0.9, 23.59S, 66.64W, h218km, 7km, mb4.5

ISC 19 06:12:20.0-0.5, 23.91S, 0.04E, 66.91W, 0.04, h205km, 5km, n169, e120/154, mb4.5/56, 1C-1D, Jujuy Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NPGB Novo Progresso, TEF Tefe, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BNDI, LEM, KDU, GIRL, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like STKA, QIZ, QIZ, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GTA, XLT, MDJ, etc.

19d 6h

Table of station data for 19d 6h, including station names, coordinates, and various parameters like elevation and frequency.

2019 MAY

Main table of station data for 2019 MAY, listing station call signs, names, coordinates, and technical specifications.

1068

Table of station data for 1068, including station names, coordinates, and various parameters.

IODC 19 06:43:58.01.2.38'87N;26'08E, h0km, mb3.3/6,
mbtmp3.4/9, ML3.3/2, MS2.6/1, Error ellipse: s-maj=21.8km
s-min=16.1km az=92.0

AFAD 19 06:44:00.2.39'33N;26'12E, h7km,2km, MW3.6
THE 19 06:44:01.2.39'N,1'2'6E,, h3km,2km, M3.4/8, MLh3.4/8
BEO 19 06:44:00.8.0.9,38'33N,02'26'13E,0.02,H19km,3km,
n140,s1926/167,mb3.2/6,23C-5D,Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various station codes and their corresponding coordinates and data.

Table with columns: VOIR, MLR, Muntele Rosu, 6.55 353, Pn, 06 45 37.8 +1.7. Lists station identifiers and their associated data.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists station codes and their corresponding coordinates and data.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists station codes and their corresponding coordinates and data.

Table with columns: M22K, comp=N,16um,0.3s, IAML, 07 02 11.3. Lists various identifiers, codes, and their associated data.

19d 7h

Table with columns for station ID, name, frequency, power, and status. Includes stations like PAX Paxson, CHUM Lake Minchumin, RAGM Ragged Mountain, etc.

2019 MAY

Table with columns for station ID, name, frequency, power, and status. Includes stations like O16K Kokwok River B, RKAV Rock Avalanche, OHAK Old Harbor, etc.

1070

Table with columns for station ID, name, frequency, power, and status. Includes stations like SHEM Shemya Is, LA, RES Resolute Bay, BLKN Baker Lake, etc.

Station information and coordinates: IDC 19 07:31:32.5:3.9, 7:53S; 128° 10'E, h107km, 39km, mb3.9/12, mtmp4.3/15, Error ellipse: s-maj=31.8km s-min=15.5km

Station information and coordinates: NEIC 19 07:31:34.7:1.5, 7:53S; 075:128:31E:0.08, h125km, 7km, mb4.5/21, Error ellipse: s-maj=11.8km s-min=10.2km

Station information and coordinates: DJA 19 07:32:04.6:3.9, 8°S; 8:12'E, 3.1h14km, 21km, M4.5/7, mb5.2/2, Mb5.0/2, MLv4.2/7, Mw(mB)4.6/2

Station information and coordinates: ISC 19 07:31:32.7:0.4, 7:44S; 005:128:28E:0.05, h100km, n91, a1558/90, mb4.4/19, Banda Sea

Table with columns for Code, Station Name, Azimuth (AZ), Phase ID, Time, and Residual (Res). Lists various stations and their observations.

Table with columns: ASAR, Alice Springs, 17.02 162 P, Pn, 07 35 23.2 -1.3, 07 35 24.2 -0.4, comp=Z, 2.9nm, 0.5s, baz=340, slow=10, SNR=107

AEIC 19 07:32:26.4, 3.3, 51.7N, 0.2, 179.73E, 0.10, h62km, 8km, Error ellipse: s-maj=24.6km s-min=8.4km az=184.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, GSW, Gareloi Southw, 1.06 102 P, Pn, 07 32 43.3 -0.3

Table with columns: PB06, IPOC Station P, 1.77 263 eP, Pn, 07 36 38.2 +0.6, 07 37 04.6 0.0, comp=E, 30nm, 0.2s

SNET 19 07:41:07.3, 0.6, 12.62N, 88.20W, h16km, 5km, ML2.2, CATAC 19 07:41:07.1, 0.4, 13.1N, 83.8W, h40km, 5km, ML2.5/15, MLV2.5/15, Error ellipse: s-maj=6.8km s-min=2.3km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, CSDG, Cosiguina Volc, 0.62 51 Op, Pn, 07 41 29.5 +0.5

IDC 19 07:44:43.0, 0.8, 9.06S, 158.78E, h0km, mb3.9/10, mbmp3.9/11, ML4.2/1, MS3.5/4, Error ellipse: s-maj=22.7km s-min=16.0km az=17.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, HNR, Honiara, 1.21 104 P, Pn, 07 45 23.6 -0.2, 07 45 08.0 0.0

Table with columns: KNRA, comp=Z, 5.3nm, 1.1s, IAMB, IAMB, 07 51 19.2, FITZ, Fitzroy Cross, 33.34 251 P, P, 07 51 23.1 -0.4

IDC 19 07:55:46.0, 0.9, 12.32N, 120.90E, h0km, mb3.9/10, mbmp4.0/10, MS3.2/10, Error ellipse: s-maj=41.2km s-min=15.2km az=71.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, TGy, Tagaytay City, 1.75 358 Op, Pn, 07 56 18.6 -0.1, 07 56 42.9 0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LGNR Loginova, CIRR Tsiik, MKZ Mys Kozlova, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PFVI Vila Bisbo, MORF Marlete, PTEO Sao Teotonia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EADA Adamuz, PLASENCIA, SIERRA GORDA, JANDULA, etc.

OMAN 19 08:13:23.6,0.1,28.16N,57.76E,h18km,1km,m3/4,16, Error ellipse: s-maj=2.0km s-min=0.7km az=210.0

IGIL 19 08:18:39.9,36.71N,9.67W,h21km,ML2.2 ISC 19 08:18:34.0,1.9,36.67N,0.05,9.70W,0.06,h14km,10km,n86,c2919/138,7C,West of Gibraltar

SNET 19 08:20:25.5,1.2,12.59N,88.20W,h17km,8km,ML3.3 CATAC 19 08:20:25.5,0.3,13.13N,2.8W,h35km,4km,M3,4/28, MLV3/4/28, Error ellipse: s-maj=5.9km s-min=1.8km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KHNN Kahnooj, BNDS Bandar-Abbas, CHMN Cheshme madani, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PACT Alcochete, EVO Evora, PMAFR Mafrá, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CSGN Cosiguina Volc, POTN Potosi Cosigui, CNCH Conchagua, etc.

CNRM 19 08:18:36.7,36.33N,9.29W,h9km,ML2.9 MDD 19 08:18:38.1,0.5,36.64N,9.77W,h38km,mb_Lg3/1/27, Error ellipse: s-maj=4.4km s-min=3.2km az=69.0

SFS 19 08:18:38.4,36.63N,9.73W,h29km,ML3.2/13,ML3.2/17, MLV2.9/17

COEG Centro de Oper 1.29 321 P Pn 08 20 47.5 +0.4 ILCN San Idelfonso 1.32 91 P Pn 08 21 07.8 -0.4 ILCN Ar SSO del Vol 1.32 95 P Pn 08 21 05.0 -0.4

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, s, ISC. Includes stations like COPN Copalpete, MOMN Momotombo, MARCA Marcala la Paz, etc.

NEIC 19 08:47:01.8-1.1, 9.77S:0.07:119.04E:0.07, h10km, 1km, mb4.5/21, Error ellipse: s-maj=12.1km s-min=11.0km

DJA 19 08:47:04.1-0.2, 10°S, 3.11°E, h10km, M4.5/26, mb5.1/6, mb4.7/15, MLV4.5/26, Mw(MB)4.5/6

IDD 19 08:47:08.7-4.1, 9.55S:119.26E, h62km, 37km, mb3.9/11, mbmp4.1/14, ML3.8/3, MS3.2/4, Error ellipse: s-maj=44.9km s-min=14.8km az=70.0

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, s, ISC. Includes stations like WBSI Waikabubak, WSI Waingapu, BASI Baing, etc.

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, s, ISC. Includes stations like WBSI Waikabubak, WSI Waingapu, BASI Baing, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, s, ISC. Includes stations like OOD Oodnadatta, COEN Coen, COEN Coen, etc.

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, s, ISC. Includes stations like AAK Ala-Archa, ARS Arslanbob, ARSB Arslanbob, etc.

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, s, ISC. Includes stations like WBSI Waikabubak, WSI Waingapu, BASI Baing, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, s, ISC. Includes stations like MBWA Marble Bar, PSAOO Pilbara Seismi, KDU Kakadu, etc.

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, s, ISC. Includes stations like LALI Alcalda de L, LALI Alcalda de L, LALI Alcalda de L, etc.

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

ISC 19 08:47:01.8-0.4, 9.78S:0.04:119.10E:0.03, h10km, n10S, e232/52, mb4.4/24, MS3.4/4, Sumba region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, s, ISC. Includes stations like COEG Centro de Oper, COEG Centro de Oper, COEG Centro de Oper, etc.

19d 10h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FG16 Alotenango, Sa, FG8 Yecopaca, Chim, CSGN Yosiquina Volc, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KGS1 Ghan-e-Shirin, GLG1 Ghan-e-Gharb, IDHR Dehrah, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SWN1 Swindon, HMN1 Herstonchurch, DYA Yadsworthy, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UCC Uccle, DOU Dourbes, BMRD Maredsous, etc.

2019 MAY

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WLF comp=E,6.2nm,2.3s, ECH Echery, SFO Saint Sauveur, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KEV Kev, OUL Oulu, OLKF Oulankka, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KARP Karpathos, ARG Arkhangelos, ZKR Zakros, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DAT Data, TUR Turunc, TURN Turnuc, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSL Kastellorizon, AKAS Kas, FET Fethiye, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRTR Keskin Array B, MMAI Mount Meron Arr, EIL Eilat, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OHAK Old Harbor, KDAK Kodiak Island, KDAK Kodiak Island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SII Sitkinak Island, SII Sitkinak Island, SYI Shuyak Island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHIR Chirikof Island, CHIR Chirikof Island, CNPM China Poot, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like P18K Katmai Hardscr, P19K Katmai Hardscr, P19K Oil Pt, etc.

Table with 4 columns: Name, Time, Res, and other details. Includes entries like GLI Glacier Island, RC01 Rabbit Creek, P16K comp=N,49nm,2.2s, SUA Susitna One, etc.

Table with 4 columns: Name, Time, Res, and other details. Includes entries like 2019 MAY, YKAW3 Yellowknife Wn, A36M Sachs Harbour, NEW Newport, etc.

Table with 4 columns: Name, Time, Res, and other details. Includes entries like AS01 Alice Springs, ASAR Alice Springs, ASAR comp=N,3.5nm,1.0s, WRKA Warakurna, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARCES ARCESS Array B, FINES FINES Array B.

GUC 19 10:38:55.3, 0.7, 22.25S, 67.71W, h195km, 8km, ML3.1
SCB 19 10:38:56.3, 1.0, 22.25S, 67.71W, h149km, 15km, ML3.1/2

MW1.9, Error ellipse: s-maj=7.9km s-min=2.8km az=0.0,
ISC 19 10:38:53.8, 2.3, 22.24S, -0.07, 67.52W, 0.05,

h179km, 20km, n18, s19, 19/26, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB09 IPOC Station P, VJA Yavi, MOCB Mochara.

IDC 19 10:40:19.8, 15.0, 14.70S, 167.33E, h0km, mb3.7/3,

mbtm3.7/4, ML3.4/1, MS3.6/1, Error ellipse:

s-maj=257.0km s-min=42.7km az=67.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, STKA Stephens Creek.

NEIC 19 10:43:18.7, 0.8, 37.02N, 0.01, 104.99W, 0.02, h5km, 3km,

mb3.9/6, mb3.7/4, ML4.0/6, Mw3.8, 2.8Z, Error ellipse:

s-maj=2.2km s-min=1.7km az=132.0 Moment Tensor

Solution: Moment tensor: Scale 1014Nm; Mr: 6.66;

Mw: 0.00; Mw: 6.66; Mw: 1.25; Mw: 0.16; Mw: 0.30; Fault

plane solution: M6.78000, 1014 NP1, 348.50000,

547.35000, 104.01000. NP2: 188.71000,

544.47000, 104.7528000. Principal axes: T 6.6703,

Plg1.0000, Azm88.0000; P -6.8907, Plg80.0000,

Azm186.0000;

IDC 19 10:43:18.7, 0.9, 36.96N, 105.27W, h0km, mb3.8/4,

mbtm3.4/8, ML3.4/4, MS3.0/8 Error ellipse:

s-maj=17.7km s-min=8.8km az=80.0

NEIC 19 10:43:19.38, 9.9N, 104.94W, h7km,

ISC 19 10:43:19.6, 37.01N, 0.05, 104.97W, 0.04, h10km,

n101, s166/66, mb3.6/4, MS3.3/3, Colorado

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like T25A Trinidad, SDCO Great Sand Dun, RTBA Rita Blanca.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SRU San Rafael Swe, SN07 Snyder.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WUAZ Wupatki, TMUT Trail Mountain.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAN12 Harper Net Stat, KAN08 Anthony Net Sta.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAN14 Manchester OK, CROK Carrier.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X16A Lo Mia Camp, P, KAN09 Caldwell North.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like U15A North Rim, MVU Marysval.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MNH Monahans, ABTX Abilene, Hawke.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WTF5 Wichita Falls, FNO Franklin.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TUC Tucson, BW06 Boulder Array.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PD31 Pinedale Array, PDAR Pinedale Array.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like T35A Azle, OZNA Ozona.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSU1 Kansas State U, DEOK Depey.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RSSD Black Hills, FW06 Azle.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FW07 Weatherford, Z35A Perchaven, San.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAND Sanderson, TUL3 Leonard.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, TXAR Azle.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Sanderson, TXAR Leonard.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, TXAR Azle.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Sanderson, TXAR Leonard.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, TXAR Azle.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Sanderson, TXAR Leonard.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, TXAR Azle.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Sanderson, TXAR Leonard.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, TXAR Azle.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Sanderson, TXAR Leonard.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, TXAR Azle.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Sanderson, TXAR Leonard.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, TXAR Azle.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR Sanderson, TXAR Leonard.

NEIC 19 10:49:12.3, 1.4, 36.54N, 0.02, 120.30W, 0.02, h10km, 2km,

Error ellipse: s-maj=3.0km s-min=2.7km az=158.0,

NCEDC 19 10:49:11.8, 1.6, 36.54N, 0.01, 120.34W, 0.01, h7km, 5km,

ML3.1/39, ML3.1/32(NEIC), Error ellipse: s-maj=1.8km

s-min=1.7km az=137.0, Central California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PWWM Westland Maint, PDRM Domingue Ranc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PKEM Kettleman Hill, PSMW Smith Estate.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPTM Peach Tree Val, LRV Little Rabbit.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BBGB Big Mountain B, BAWM Antelope Valle.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPHM Phelan, CTM Castle Mountain.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PKD Bear Valley Ra, PSTM Stockdale Moun.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPCM Pinedale Array, PDMR Dyer Ranch.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPHM Phelan, CTM Castle Mountain.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PKD Bear Valley Ra, PSTM Stockdale Moun.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPCM Pinedale Array, PDMR Dyer Ranch.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPHM Phelan, CTM Castle Mountain.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPCM Pinedale Array, PDMR Dyer Ranch.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPHM Phelan, CTM Castle Mountain.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PKD Bear Valley Ra, PSTM Stockdale Moun.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPCM Pinedale Array, PDMR Dyer Ranch.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPHM Phelan, CTM Castle Mountain.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PKD Bear Valley Ra, PSTM Stockdale Moun.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPCM Pinedale Array, PDMR Dyer Ranch.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPHM Phelan, CTM Castle Mountain.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PKD Bear Valley Ra, PSTM Stockdale Moun.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPCM Pinedale Array, PDMR Dyer Ranch.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPHM Phelan, CTM Castle Mountain.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SGSI Sangihe, TNTI Ternate, LUWIK Luwuk, SANANA Sanana, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, SONM Songoing Array, AAK Ala-Archa, KURBB Kurchatov Arra, KBZ Khabaz.

ISC 19 11:01:05.9:0.8, 10.95Nk:124.80E, h0km, mb3.9/12, mbmp3.9/12, MS3.1/5, Error ellipse: s-maj=45.1km s-min=15.3km az=73.0

NEIC 19 11:01:07.0:1.3, 10.91N:0.08:124.80E:0.10, h10km, 1km, mb4.5/15, Error ellipse: s-maj=19.3km s-min=8.8km az=51.0

ISC 19 11:01:07.0:0.6, 10.86Nk:124.76E:0.1, h11km, n37, o#83/34, mb4.2/21, MS3.2/3, Leyte

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DAV Davao City (W), KKM Kota Kinabalu, SSSL Suanglung, GUMO Guam, CMAR Chiang Mai Arr, CHTO Chiang Mai, KSR5 Korea Arr, WRA Warramunga Arr, USRK Ussuriysk Arr, AS31 Alice Springs, ASAR Alice Springs, SONM Songoing Array, FORK Forrest, STKA Stephens Creek, MKAR Makanchi Array, BOOM Boomske usch, ZALV Zalesovo Beam, KURK Kurchatov, KURBB Kurchatov Arra, GAR Garm, KK31 Karatay Array, BVAR Borovoye Array, BRVK Borovoye, TIXI Tiksi, NRK Noril'sk, AB31 Akbulak array, ABKAR Akbulak array, ARTI Arti, ILAR Elison Array, N3OM Aishikkik Lake, WHY Whitehorse, FARO Faro, Yukon.

NEIC 19 11:31:12.1:2.9, 18.2S:0.1:177.9W:0.1, h552km, 9km, mb4.6/19, Error ellipse: s-maj=21.4km s-min=16.8km az=131.0

ISC 19 11:31:13.6:1.4, 18.05S:178.01W, h578km, 15km, s-min=14.9km az=115.0

ISC 19 11:31:15.3:0.6, 18.2S:0.1:178.1W:0.1, h590km, n38, o#129/41, mb4.4/20, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavau, AFI Afiatalu, PINNC Pines Island, DZM Mont Dzumac, URZ Urewera, BKZ Black Stump Fm, BKZ.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KHZ Kahutara, ARMA Armidale, CTAO Charters Towers, CAN Canberra, PMG Port Moresby, COEN Coen, STKA Stephens Creek, WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, VYDA Vanda, MJAR Matsushiro Arr, JNU Nakatsue, SHEM Shemya Is, ALA, MCCM Marconi Centre, K15K Wolf Creek Mout, TXAR Lajitas Array, ILAR Elison Array, CMAR Chiang Mai Arr, BRTR Keskin Arr B, MMAI Mount Meron Ar, DAVOX Davos/Dischmat.

ISC 19 11:34:20.8:0.9, 36.89N:27.66E, h0km, mb3.9/9, mbmp3.7/16, ML3.4/5, MS3.1/7, Error ellipse: s-maj=17.9km s-min=14.1km az=11.0

ATH 19 11:34:22.5:37.05N:27.70E, h16km, 7km, ML3.8/5, Manual Solution by S.Koutrakis First location: 2019/05/19 11:35:44, This location: 2019/05/19 11:43:49 ML

Amplitudes are expressed in degrees Latitude uncertainty: 13 km; Longitude uncertainty: 7 km

AFAD 19 11:34:22.9:36.90N:27.62E, h17km, 1km, MW4.0 THE 19 11:34:23.5:37.1N:27.8E:1, h1km, 2km, MS3.7/9, ML3.7/9

ISK 19 11:34:23.1:36.94N:27.66E, h7km, ML4.1/23 Gil 19 11:34:25.6:0.0, 36.87N:0.03:27.64E:0.01, h8km, MW3.8, confirmed

ISC 19 11:34:23.9:0.8, 36.92N:0.02:27.62E:0.02, h13km, 5km, n138, o#57/167, mb3.7/8, MS3.1/4, 8C-7D, Dodecanese

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DATC Datca-Mugla, BDRM Kayabasi, BODT Bodrum, YAZI Mula-Dat'sa, YKAV Yalikavak-Bodr, MLSB Milas, NISR Nisiros, KUNA Kalymnos, KUNA KLANA, TURN Turunc, DIDI Didim-Aydin, YER Yerkesik, DDIM Aydin, Didim, MULA Mula, MERK Merkes, ROBB Rodos, ARG Arkhangelos, ARG Arkhangelos, ARG Arkhangelos, GZEL GZelcami?, GALY GZelcami?, DCMY Dalyan (Mula), DALY Zeytin koy-Aydi, ESEN Aydin-Nazilli, ASTA Astypalea, ASTA Mula-Dalaman, TABU DENIZLI Tavass, TABU DENIZLI Tavass, MULA Nazilli-Aydin, DENIZ Denizli-Tavas, FETI Fethiye, FETI Fethiye, IZMR zmir-Idri.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like IZMR zmir, GMLD Gumuldur, DNIZ Denizli-Tavas, CAME Camei-Denizli, IZZE Mula-Seydikte, ODEM Odemis-Izmir, KIRA zmir-Kiraz, KARP Karpathos, APMY Acipayam-Deniz, BLCB Balçova, GORC Gortova, GOLB Golhisar, URLA Izmir, APE Apeiranthos, APE Apeiranthos, MANT Manisa, AKAS Kas, AKAS Kas, INCE Denizli-Bozkur, KSL Kasteloron, KULA Kula-Manisa, KULA Kula-Manisa, ELLI Elmalı, KARB zmir-Karabur, GORC Gortova-Manisa, PASA Karahalli, USA ZEDA zmir-Bergama, IZMD zmir-Dikili, ZKR Zakros, ZKR Zakros, KORT Korkuelli, DKL Dikili, SOMA Soma-Manisa, ISP Isparta, IDI Anoyia, BRTR Keskin Arr B, MMAOB Mount Meron ar, MMAOB Mount Meron ar, MMAI Mount Meron Ar, MMAI Mount Meron Ar, GEM Givat Ha Em, NAR Neve Ativ, NAR Neve Ativ, MMLI Mount Malkishu, MMLI Mount Malkishu, HMDT Nahal Hemdat, HMDT Nahal Hemdat, KZIT Kziot, KZIT Kziot, YTR Yattir, YTR Yattir, DSI Dead Sea, DSI Dead Sea, GHJG Ghor Haditha, GHJG Ghor Haditha, MLR Munteles Rosu, MLR Munteles Rosu, MLR Munteles Rosu, PRNI Paran, PRNI Paran, PRNI Paran, ASF Jabal al Asfar, ASF Jabal al Asfar, ASF Jabal al Asfar, ASF Jabal al Asfar, GERES GERES Array B, VRAC Vranoy, GERES GERES Array B, BVAR Borovoye Array, BORG Borovoye Array, MKAR Makanchi Array, ZALV Zalesovo Beam, SONM Songoing Array.

19d 11h

Table with station names like CMAR Chiang Mai Arr, KSRS Korea Arr, and their respective coordinates and times.

ISK 19 11:34:44.6, 36.93N, 27.65E, h12km, 2km, ML3.8/5
AFAD 19 11:34:46.2, 36.89N, 27.39E, h7km, 2km, MWG.7

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like Dataca-Mugla, Datca, Kayabasi, etc.

IDC 19 11:48:30.7, 5.60, 39S, 26.68W, h0km, mb4.6/10, mbmp4.6/11, ML4.8/1, MS4.1/32, Error ellipse: s-maj=20.5km s-min=15.8km az=60.0

NEIC 19 11:48:33.4, 1.3, 60.43S, 0.04, 26.8W, 0.2, h10km, 1km, mb5.1/54, Error ellipse: s-maj=18.1km s-min=5.3km az=258.0

GCMT 19 11:48:38.4, 0.2, 60.77S, 0.01, 26.26W, 0.03, h12km, 1km, MW5.0/133, Moment Tensor: s23, c27, s13, d195, Duration: 0. Moment tensor: Scale 1016Nm; Mw=1.26; M1: 3.85e; M2: 2.69e; M3: 0.92e; M4: 1.41e; M5: 0.52e; 2n: Best double couple: M3: 640000x1016 NPT: 124.00000, 874.00000, lambda=1.00000, NP2: 214.00000, 889.00000, lambda=164.00000. Principal axes: T 4.3290, P1g10.0000, Azm348.0000; N -1.3770, P1g74.0000, Azm217.0000; P -2.9520, P1g12.0000, Azm80.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 19 11:48:32.8, 0.3, 60.41S, 0.07, 26.75W, 0.08, h10km, n169, r15/124, mb5.1/31, MS4.1/30, 3C-8D, South Sandwich Islands region

Large table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists numerous stations including HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

2019 MAY

Large table with columns: VA03, IAMB, IAMB, Time Res, ISC. Lists stations like PTGB Pitanga, ZON Zonda, CPUP Villa Florida, etc.

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Table with columns: ATD, TAOE, MDT, ASAR, ASAR, DZM, WRA, FITZ, PINEDALE, NVAR, CMAR, HFS, NB2, NOA, FINES, ICESG, PZH, DBG, EGRIP, CD2, BAV, DVG, MKAR, WMO, HEM, KUMBA, YKA, LZH, LZH, LZH, NJ2, NJ2, ZALV, R32K, P32M, MPMY, FARO, HNS, TIA, BTO, BTO, BTO, BTO, HYT, HHC, HHC, G31M, SONM, KSRS, NRIK, XLT, XLT, ILAR, ILAR, CN2, CN2, Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various stations and their data.

IDC 19 11:48:57.1, 0.7, 51.51N, 15.94E, h0km, mb3.3/1, mbmp3.3/8, ML2.8/6, Error ellipse: s-maj=13.1km s-min=7.3km az=105.0
IPEC 19 11:48:57.3, 0.2, 51.59N, 16.15E, h1km, ML3.0/6, Error ellipse: s-maj=2.7km s-min=1.2km az=60.0
BGR 19 11:48:58.5, 0.3, 51.54N, 16.09E, h1km, ML3.1/5, Error ellipse: s-maj=3.3km s-min=2.2km az=17.0
VIE 19 11:48:59.0, 0.6, 51.47N, 15.91E, h0km, mb2.8/13, mb3.0/11, ms3.1/2, Error ellipse: s-maj=7.1km s-min=2.1km az=49.0 87 km WNW of Wroclaw Suspected Mining induced.
PRU 19 11:49:00.1, 51.50N, 16.05E, h0km
ISC 19 11:48:55.3, 0.6, 51.66N, 16.13E, 0.02, h0km, n74, r137/144, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like KSP Ksiaz, KSP Ksiaz, CHVC Chvacek, OSTC Ostas, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HSKC Hora Svate Kat, STEB Steborice, WRAC Vranov, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GUMO Guam, CMAR Chiang Mai Arr, BRDH Baridhala, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LLNJ Nanajito, ARZA Esparza, ROBF Roble, Puntare, etc.

IDC 19 12:00:34.3:2.0, 10.79N:122.30E, h0km, mb3.7/3, mbmtp3.9/4, ML4.8/1, MS3.4/6, Error ellipse: s-maj=83.8km s-min=23.2km az=55.0, Panay

UCR 19 12:35:11.6:0.7, 9.41N:84.64W, h17km, 2km, MW3.9, CATAC 19 12:35:11.0:0.4, 9.4N:84.6W, h17km, 2km, M3.8/11, MLV3.8/11, Error ellipse: s-maj=6.4km s-min=2.9km az=30.4, confirmed

IDC 19 13:01:04.0:3.2, 22.42S:170.06E, h0km, mb3.5/2, mbmtp3.5/3, ML3.6/1, MS2.6/1, Error ellipse: s-maj=151.6km s-min=39.3km az=163.0, NOU 19 13:01:08.7:21.70S:169.70E, h0km, ML2.9/11, Southeast

19d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like INH Isangel, PINNC Pines Island, YATNC Mamie plateau, etc.

NEIC 19 13:05:58.2 ± 1.1, 12.33N±0.08, 120.9E±0.2, h10km, 1km, mb4.4/13, Error ellipse: s-maj=27.7km s-min=13.0km az=91.0

ISC 19 13:06:03.1±2.8, 12.37N±0.12, 120.88E, h53km±26km, mb3.5/11, mbtmp3.8/11, MS2.9/6, Error ellipse: s-maj=34.6km s-min=14.4km az=70.0

ISC 19 13:05:59.8±0.7, 12.34N±0.07, 121.0E±0.1, h25km, n35, s=092/31, mb4.2/20, MS2.5/3, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like TGY Tagaytay City, TGW Davao City (W), etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like LHMJ Lhok Sumawe, LZHZ Lanzhou, etc.

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ZALV Zalesovo Beam, KURB Kurchatov Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like KURK Kurchatov, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like AB31 Akbulak array, ABKAR Akbulak array, etc.

NOU 19 13:09:03.6, 21.78S±169.99E, h0km, MLV3.5/10, Southeast of Loyalty Islands, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like MARNC Mare, Loyalty, INH Isangel, etc.

ISC 19 13:09:27.2±2.2, 18.06S±178.17W, h600km±22km, mb2.8/4, mbtmp3.7/5, Error ellipse: s-maj=35.3km s-min=31.1km az=169.0, Fiji Islands region

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

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

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

2019 MAY

0.2nm, 0.7s, baz=229, slow=4.9, SNR=4.3, 0.2nm, 0.7s
IDC 19 13:13:04.2±1.4, 1.16S±115.82E, h0km, mb3.9/8, mbtmp3.9/9, ML3.8/11, MS3.0/2, Error ellipse: s-maj=99.4km s-min=19.4km az=53.0
NEIC 19 13:13:06.8±2.1, 1.16S±0.06, 115.80E±0.06, h16km±5km, mb4.2/8, Error ellipse: s-maj=9.1km s-min=8.8km az=191.0
DJA 19 13:13:07.0±0.7, 1.16S±115.82E, h17km±6km, MA.1/16, mb4.7/6, mb4.2/13, MLV4.2/16, Mw(MB)4.0/6
ISC 19 13:13:08.9±0.6, 1.23S±107.115.79E±0.07, h35km, n40, s=120/40, mb4.2/10, Borneo

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

ISC 19 14:04:51.8±1.5, 7.39S±156.32E, h0km, mb3.6/3, mbtmp3.7/4, ML3.7/1, Error ellipse: s-maj=45.6km s-min=28.9km az=31.0, Bougainville-Solomon Islands region

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

ISC 19 14:16:13.6±40.0, 18.37S±178.12W, h493km±366km, mb2.9/2, mbtmp3.8/2, Error ellipse: s-maj=351.4km s-min=100.4km az=120.0, Fiji Islands region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like MORW Morawa, AS31 Alice Springs, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ZALV Zalesovo Beam, BVAR Borovoye Array, etc.

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

IDC 19 13:44:38.4±0.9, 21.64S±169.80E, h0km, mb3.7/7, mbtmp3.7/8, ML3.4/11, MS3.1/2, Error ellipse: s-maj=37.5km s-min=23.5km az=112.0
NOU 19 13:44:42.0±0.8, 21.74S±169.67E±0.07, h21km, n23, s=076/24, mb3.7/7, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like MARNC Mare, Loyalty, INH Isangel, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like GSPA South Pole Qui, MAW Mawson, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ARCES ARCES Array B, HFS Hagerman, etc.

IDC 19 14:00:41.5±3.2, 6.45N±94.06E, h0km, mb3.7/3, mbtmp3.6/4, Error ellipse: s-maj=111.9km s-min=28.7km az=67.0, Nicobar Islands region

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like H08S3 Diego Garcia H, H08S2 Diego Garcia H, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, etc.

IDC 19 14:04:51.8±1.5, 7.39S±156.32E, h0km, mb3.6/3, mbtmp3.7/4, ML3.7/1, Error ellipse: s-maj=45.6km s-min=28.9km az=31.0, Bougainville-Solomon Islands region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WRA Warrungunga Arr, H11S3 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like H11S2 WAKE ISLAND, H11S1 WAKE ISLAND, etc.

IDC 19 14:16:13.6±40.0, 18.37S±178.12W, h493km±366km, mb2.9/2, mbtmp3.8/2, Error ellipse: s-maj=351.4km s-min=100.4km az=120.0, Fiji Islands region

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

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

NEIC 19 14:16:37.4±1.0, 20.1S±177.8W±0.1, h516km±10km, mb4.2/29, Error ellipse: s-maj=20.7km s-min=16.1km az=139.0

IDC 19 14:16:40.4±2.2, 20.13S±177.90W, h556km±21km, mb3.2/6, mbtmp4.1/8, Error ellipse: s-maj=29.0km s-min=20.8km az=88.0

ISC 19 14:16:41.2±0.6, 20.20S±177.90W±0.1, h569km, n44, s=096/42, mb4.1/21, Fiji Islands region

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like BB00 Buckleboo, WR0 Warrungunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like AS31 Alice Springs, ASAR Alice Springs, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like BYL Byron's Ledge, KNRA Kunurra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like JKA Kamikawa-asahi, N14K Kuskokwak Creek, etc.

Table with columns: ILAR, Eielson Array, 87.98 13 P P, 14 28 30.1 -0.5, comp=2.2, 1nm, 1.2s, baz=211, slow=6.3, SNR=7.0

Table with columns: CMAR, Chiang Mai Arr, 90.13 290 P P, 14 28 42.8 +1.1, comp=2.0, 4nm, 0.3s, baz=118, slow=5.5, SNR=4.1

Table with columns: AKASG, Malin Array Br, 142.80 331 PKhPK PKPpre, 14 35 07.1, comp=2.0, 2nm, 0.4s, baz=43, slow=4.5, SNR=4.3

Table with columns: BRTR, Keskin Array B, 146.72 313 PKPbc PKPbc, 14 35 20.4 +0.2, comp=2.0, 5nm, 0.6s, baz=131, slow=4.5, SNR=3.7

Table with columns: CLL, 1477.9 347 i PKPbc PKPKP, 14 35 23.1 -0.7, comp=2.4, 0nm, 1.0s

Table with columns: NEIC 19 14:17:01.6, 0.4, .19, 8S:0.2, 173.5W:0.1, h10km, 2km, mb4.4/8, Error ellipse: s-maj=33.4km s-min=18.3km az=359.0

Table with columns: IDC 19 14:17:02.6, 0.9, 19:97S:173.88W, h0km, mb3.9/9, mblmp4.0/11, ML3.9/2, MS2.8/1, Error ellipse: s-maj=32.1km s-min=21.5km az=138.0

Table with columns: ISC 19 14:17:04.0, 0.6, 20.1S:0.2, 173.6W:0.1, h25km, n31, i=148/32, mb4.1/12, Tonga Islands

Table with columns: Code Station Name Az Phase ID Time Res, NIUE Niue 3.57 75 Pn, MSFV Nonsavu 6.27 285 LR

Table with columns: Code Station Name Az Phase ID Time Res, URZ Warrungunga Arr 19.85 202 P, CAN Canberra 36.22 237 P

Table with columns: Code Station Name Az Phase ID Time Res, WRA Warrungunga Arr 48.78 261 P, WRA Warrungunga Arr 48.78 261 P

Table with columns: MARNC Mare, Loyalty 1.67 276 P, MARNC Mare, Loyalty 1.67 276 P, INH Isangel 1.27 346 P

Table with columns: PINNC Pines Island, 2.39 246 P, PINNC Pines Island, 2.39 246 P, PINNC Pines Island, 2.39 246 P

Table with columns: YATNC Mamie plateau, 2.74 261 P, OUENC Ouen Island, 2.86 254 P, DZM Mont Dzumac, 3.15 262 P

Table with columns: DZM Mont Dzumac, 3.15 262 P, DZM Mont Dzumac, 3.15 262 P, DZM Mont Dzumac, 3.15 262 P

Table with columns: DZM Mont Dzumac, 3.15 262 P, DZM Mont Dzumac, 3.15 262 P, ONTNC Ouen Toro, 3.18 258 P

Table with columns: ONTNC Ouen Toro, 3.18 258 P, ONTNC Ouen Toro, 3.18 258 P, ONTNC Ouen Toro, 3.18 258 P

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Table with columns: TVIHH Townsville Har 21.70 272 P, RPZ Rata Peaks 22.01 178 P, RPZ Rata Peaks 22.01 178 P

Table with columns: RPZ Rata Peaks 22.01 178 P, RPZ Rata Peaks 22.01 178 P, RPZ Rata Peaks 22.01 178 P

Table with columns: CTAO Charters Tower 22.07 270 P, CTAO Charters Tower 22.07 270 P, CTAO Charters Tower 22.07 270 P

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Table with columns: CTAO Charters Tower 22.07 270 P, CTAO Charters Tower 22.07 270 P, CTAO Charters Tower 22.07 270 P

19d 14h

Table with columns for station name, frequency, power, and signal strength. Includes stations like WRKA, DRIS, FORT, PPT2, etc.

20d 14h

Table with columns for station name, frequency, power, and signal strength. Includes stations like TWSI, PCI, TOLIP, MLOA, etc.

20d 14h

Table with columns for station name, frequency, power, and signal strength. Includes stations like QIZ, QIZ, QIZ, QIZ, etc.

20d 14h

Table with columns for station name, frequency, power, and signal strength. Includes stations like QIZ, QIZ, QIZ, QIZ, etc.

19d 14h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like CNPM, SAO, KCPM, etc.

2019 MAY

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like SUA, G15K, H16K, etc.

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Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like CAST, H18K, RYN, etc.

19d 14h

Table with columns: ID, Name, Date, Time, Status, Location, and various numerical values. Includes entries like H03S3 Juan Fernandez, MOY Mondy, I27K Kandik River, etc.

2019 MAY

Table with columns: ID, Name, Date, Time, Status, Location, and various numerical values. Includes entries like TGNT Hyland Airport, EPYK Eagle Plains, Y22D IRIS PASSCAL I, etc.

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Table with columns: ID, Name, Date, Time, Status, Location, and various numerical values. Includes entries like TKRD Thakurdwar, KSCO Kaye Shedlock, UGON Onchagoan, etc.

Table with columns: Station, Comp, Az, El, IAMS, IAMS_20, and various numerical values. Includes stations like FCC, P43A, BRLS, etc.

Table with columns: Station, Comp, Az, El, IAMS, IAMS_20, and various numerical values. Includes stations like S61A, SPITS, KSPA, etc.

Table with columns: Station, Comp, Az, El, IAMS, IAMS_20, and various numerical values. Includes stations like MOS, STEI, STEI, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like WTTA Wattenberg, SKDS Skadascina, BMRD Maresdos, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, and Res. Includes stations like PMPST Aveoerros, TIO Tiouine, IDC 19 14:40:27.8, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like YAZI Mula-Datša, BDRM Kayabasi, DAT Datca, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, SONM Songino Array, CMAR Chiang Mai Arr.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, 107UA WARRAMUNGA INF3, 105AU HOBART INFRA202, 140PG Keravat, 139PW PALAU INFRA300, 122FR PORT LAURENCE.

IDC 19 14:49:50.3;261.0, 23'45S-133'08E, h0km, Error ellipse: s-maj=112.7km s-min=67.7km az=49.0, Northern Territory

IDC 19 14:50:10.9;1.9, 32'21N;132'19E, h35km, mb3.6/15, mbmp3.8/18, ML3.0/3, Error ellipse: s-maj=16.2km s-min=13.2km az=81.0

NEIC 19 14:50:11.2;1.9, 32'62N;0.09;132'32E;0.05, h35km, 2km, mb4.4/12, Error ellipse: s-maj=15.4km s-min=7.3km az=74.0

JMA 19 14:50:11.1;0.0, 32'62N;0.2;132'3E;0.1, h31km, MD4.0/35, Mv4.1/35, HYUGANADA REGION

JMA MtVt J1 at HYUGANADA REGION, IDC 19 14:50:10.3;0.9, 32'62N;0.04;132'26E;0.03, h33km, 2km, n84, c151172, mb4.2/22, 9D, Shikoku

Main table for 19d 14h section, listing various stations and their parameters. Includes stations like JSKE Saikikamae, JTO Tosashimizu, JHHC Hyugahichiya, JUS Usuki, UWA2 Uwa jima 2, JKIT Kitakata, JTSN Tsuno, JNA Nagahama, JNU Kubokawa, JBEP Beppuamama, JKI Kunimi, JIU3 Iuzumi3, JNU Nakatsue, JNU Nakatsue, JNU Nakatsue, JZJO Okuchi, JTA Tamana, JMN Monobe, JMI Monobe, JFI Itaya, JHD Hondo, JJS Sakaide, INU Inuyama, JGF Kuroka, TJN Taegon, KRSR Korea Arr, KRSR Korea Arr, KRSR Korea Arr, KSAR Wonju Array Be, KS19 Wonju Array Si, MAJO Matsushiro, MJB9 Matsu-Tunnel, MJAR Matsushiro Arr, MJAR Matsushiro Arr, JOW Kunigami, JOW Kunigami, NJ2 Nanjing, HNS HongShan, KLR Kul'dur, HEH Heihe, HHC Hu-hao-te, HHC Hu-hao-te, LZH Lanzhou, LZH Lanzhou, SONM Songino Array, CMAR Chiang Mai Arr, H11N2 WAKE ISLAND Hy 33.47 104, H11N1 WAKE ISLAND Hy 33.48 104, H11N3 WAKE ISLAND Hy 33.49 104, H11S3 WAKE ISLAND Hy 33.92 106.

Table for 2019 MAY section, listing stations and their parameters. Includes stations like H11S1 WAKE ISLAND Hy 33.93 106, H11S2 WAKE ISLAND Hy 33.94 106, WMQ Urumqi, KAPI Kapang Nori'sk, NRIK Nori'sk, UGM Warramunga Arr, BVAR Borovoye, KNRA Kununurra, BRVK Borovoye, KKR Karatay Array, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WB0 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, B20K Meade River, AB31 Akbulak array, AB31 Akbulak array, ASAR Alice Springs, ASAR Alice Springs, E24K Your Creek, ILAR Eielson Array, STKA Stephens Creek, EUNU Eureka, KBZ Khabaz, FINES FINES Array B, FINES FINES Array B, YKA Yellowknife Arr, AKASO Malin Array Be, HFS Hagfors, BRTR Keskin Array B.

IDC 19 14:53:35.1;0.9, 0'56S; 121'86E, h0km, mb3.8/7, mbmp3.8/9, ML3.1/2, Error ellipse: s-maj=46.0km s-min=15.6km az=71.0

NEIC 19 14:53:37.1;2.1, 0'49S;0'08;121'89E;0.07, h10km, 2km, mb4.1/4, Error ellipse: s-maj=15.3km s-min=9.6km az=38.0

DJA 19 14:53:37.0;4.1, 'S4;'12'2E;', h10km, M3.8/6, MLV3.8/6, IDC 19 14:53:36.7;0.6, 0'53S;0'04;121'80E;0.05, h10km, n32, c1922/35, mb4.1/10, 1C, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like APSI Ampana, MRSI Marisa, MRSI Marisa, LUWI Luwuk, LUWI Luwuk, TOLCI Taloliti, PALU Palu, MPMSI Mapaga, KMSI Cibinong, TTSI Tida Toraja, SPSI Sidrap, KAPI Kappang, KAPI Kappang, KAPI Kappang, KAPI Kappang, BKB Balikpapan, BBSI Bau Bau, FAKI Fak Fak, FITZ Fitzroy Crossi, WB0 Warramunga Arr, WB0 Warramunga Arr, WB0 Warramunga Arr, WRB Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, EIDS Eidsvold, EIDS Eidsvold, EVNS Everest, SONM Songino Array, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURBS Kurchatov Arr, KURBS Kurchatov Arr, KURK Karatay Array, KKR Karatay Array, BVAR Borovoye Array, ASAR Alice Springs.

SOME 19 14:55:56.5;43'95N-83'97E, h5km, NNC 19 14:55:57.0;1.5, 44'39N;83'80E, h0km, mb3.9, mpv3.6, Error ellipse: s-maj=13.1km s-min=5.9km az=126.0

IDC 19 14:55:54.0;1.4, 43'95N;0'07;84'07E;0.07, h10km, n37, c262/42, 6C-6D, Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EIDS Eidsvold, EVNS Everest, SONM Songino Array, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURBS Kurchatov Arr, KURBS Kurchatov Arr, KURK Karatay Array, KKR Karatay Array, BVAR Borovoye Array, ASAR Alice Springs, EIDS Eidsvold, EVNS Everest, SONM Songino Array, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURBS Kurchatov Arr, KURBS Kurchatov Arr, KURK Karatay Array, KKR Karatay Array, BVAR Borovoye Array, ASAR Alice Springs.

SOME 19 14:55:56.5;43'95N-83'97E, h5km, NNC 19 14:55:57.0;1.5, 44'39N;83'80E, h0km, mb3.9, mpv3.6, Error ellipse: s-maj=13.1km s-min=5.9km az=126.0

IDC 19 14:55:54.0;1.4, 43'95N;0'07;84'07E;0.07, h10km, n37, c262/42, 6C-6D, Northern Xinjiang

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

Table for 1090 section, listing stations and their parameters. Includes stations like KTMS 80nm,0.3s, DJR Jarkent, DJR Jarkent, DJR Jarkent, DJR Jarkent, MK31 19nm,0.3s, MAZ Makanchi, MAZ Makanchi, PDGK Podgornoye, PDGK Podgornoye, SHLS 82nm,0.6s, SHLS 13nm,0.4s, SHLS 180nm,0.6s, SHLS 13nm,0.4s, SHLS 180nm,0.6s, KNOS Konyrien, KNOS Konyrien, KAPS Kappalaras, KAPS Kappalaras, UZB Uzunbulak, UZB Uzunbulak, KPKS Koikek, KPKS Koikek, BLB Baldybastyay, BLB Baldybastyay, ZHN Zhinshike, ZHN Zhinshike, ZHN Zhinshike, ZHN Zhinshike, SATY 28nm,0.2s, SATY 2.8nm,0.2s, SATY 26nm,0.2s, SATY 3.3nm,0.3s, ARXS Arharly, ARXS Arharly, KOTS Kotrybulak, KOTS Kotrybulak, KOTS Kotrybulak, KOTS Kotrybulak, CHKK Chushkaly, CHKK Chushkaly, CHKK Chushkaly, CHKK Chushkaly, MDOK Medeo, MDOK Medeo, MDOK Medeo, MDOK Medeo, TNSS Tian-Shan, TNSS Tian-Shan, TNSS Tian-Shan, TNSS Tian-Shan, KTBS Karatobe, KTBS Karatobe, IZV Izvestkoviy, IZV Izvestkoviy, IZV Izvestkoviy, IZV Izvestkoviy, KST Kastek, KST Kastek, KST Kastek, KST Kastek, DGS Degeres, DGS Degeres, DGS Degeres, DGS Degeres, TKMG Tokmak 2, TKMG Tokmak 2, TKMG Tokmak 2, TKMG Tokmak 2, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, KURBS Kurchatov Arr, KURBS Kurchatov Arr, KURB Kurchatov, KURB Kurchatov, BSSI Bau Bau, Buton.

IDC 19 14:56:44.8;0.4, 21'59S;169'83E, h0km, mb5.2/27, mbmp5.2/28, ML4.6/1, MS6.0/55, Error ellipse: s-maj=12.1km s-min=9.6km az=71.0

NOU 19 14:56:48.5;21'54S;169'51E, h0km, mb5.6/100, Southeast of Loyalty Islands

BUI 19 14:56:48.1, 21'50S;169'65E, h10km, mb5.6/22, mb5.5/70, Ms6.0/95, Ms7.5/893

PMR 19 14:56:48.0, 21'70S;169'50E, h10km, NEIC 19 14:56:49.3, 21'57S;169'47E, h10km, BGR 19 14:56:49.4, 21'78S;170'53E, h33km, MS6.2, MOS 19 14:56:49.1, 21'49S;169'50E, h33km, mb5.8/46, MS6.1/33, Error ellipse: s-maj=8.9km s-min=7.6km az=122.9

NEIC 19 14:56:50.7;2.2, 21'61S;0'09;169'47E;0.07, h20km, 1km, mb5.7/90, Ms2.0, 6.3/48, Mw6.2/31, Mw6.3/40, Error ellipse: s-maj=15.3km s-min=10.2km az=156.0, Moment Tensor Solution. Moment tensor: Scale 1018Nm; Mn:2.28; Mm:0.10; Mm:2.18; Mo:0.20; Ms:1.69; Ms:0.96; Fault plane solution: Mo2.97000x1018 NP1: phi319.68000; delta36.40000; lambda73.46000. NP2:

19d 14h

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

2019 MAY

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

1092

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

1093

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, BER, etc.).

2019 MAY

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, BER, etc.).

19d 14h

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, BER, etc.).

1095 2019 MAY 19d 14h

Table with columns: ID, Name, Date, Time, Location, Status, and other details. Includes entries like F20K Avaraart Lake, H22K Ishitalia Cre, YUK3 Moose Creek, etc.

Table with columns: ID, Name, Date, Time, Location, Status, and other details. Includes entries like Q32M Nakina River, E08A Dider Farm, E10A Kaniak, etc.

Table with columns: ID, Name, Date, Time, Location, Status, and other details. Includes entries like NEW Newport, NEW Newport, B22K Teshekpu Lake, etc.

19d 14h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like INK, WNGI, WMO, WRGLY, Q24M, etc.

2019 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like N41A, PVMO, PARMO, ABPO, SLM, etc.

1096

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like R61A, UPNV, SDDR, FRB, KIRV, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like VORR, VSR, VORD, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like KONO, KIS, KIS, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like MMB, BRG, BRG, etc.

19d 15h

Table of radio frequencies and call signs for the 19d 15h band. Columns include call sign, frequency, and various technical parameters like SNR and power.

2019 MAY

Table of radio frequencies and call signs for the 2019 MAY band. Columns include call sign, frequency, and various technical parameters like SNR and power.

1098

Table of radio frequencies and call signs for the 1098 band. Columns include call sign, frequency, and various technical parameters like SNR and power.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like MOTA Moosalm, RETA Reutte, SOTA Sankt Kilian, FETA Feichten.

ADC 19 15:06:14.1±0.5,21.60S;169.88E,h0km,mb4.5/16,
mbmp4.5/18,ML4.1/2,Error ellipse: s-maj=20.3km
s-min=16.2km az=89.0

MOS 19 15:06:15.3±1.3,21.45S;169.70E,h10km,mb5.2/15,Error
ellipse: s-maj=11.4km s-min=10.1km az=96.0

NEIC 19 15:06:17.2±2.6,21.65S;0.1x169.7E;0.1,h10km,1km,
mb4.9/35,Error ellipse: s-maj=20.5km s-min=16.4km
az=160.0

ISC 19 15:06:19.6±0.3,21.58S;0.07;169.75E;0.06,h36km,n230,
i=1504/220,mb4.9/59,13C-29D,Southeast of Loyalty
Islands

Main table for 1099 with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Lists numerous stations including Pines Island, Mont Dzumac, Nonnavu, Honiara, Urewera, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like HHC Hu-ho-hao-te, HHC, ZEA Zeya, ELIB Princess Elisa, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like ELIB Lanzhou, KDKA Kodiak Island, P18K Big Mountain, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like TROLL Troll, SNAA Sanae, SNAA Sanae, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like VNA1 Neumayer-Stat, SPU Mount Spurr, ULN Ulanbaatar, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like GYA Gaotai, YAK Yakutsk, SOMM Songino Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like NVAR Mina Array Bea, NV11 Mina Array Sit, PINE Pine Mountain, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like P29M Windy Craggy, COLA College, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like J26L Joseph Creek, M29M Somme Creek, D22K Aiyikay River, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like G26K Porcupine River, I29M Ogilvie Camp, SRU San Rafael Swe, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like P18A Preston Tunnel, TIXI Tiksi, WMQ Urumqi, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like YKA Yellowknife Ar, MKAR Makanchi Array, MKAR Kurchatov Arra, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like KSH Kashi, KURBB Kurchatov Arra, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like BRTR Keskin Array B, HARR Harsova, HARR Harsova, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like BURAR Buccovna Array, BURAR Buccovna Array, NEHR Nethoiu, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like KOLS Kolonicke sedl, ARR Arges, GZRA Gura Zlata, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like STEB Steborice, PSRZ Piszketste, PSRZ Piszketste, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like MORC Moravsky Berou, MORC Moravsky Berou, OSTC Ostas, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like MAUC Gostuska, DPC Dobruska-Polom, DPC Dobruska-Polom, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like VYHS Vyhne, VYHR Herculanu, GZR Zlata, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like BZS Buzias, JAVC Velka Javorina, MDVR Moldovita, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like VRAC Vranov, VRAC Vranov, PVCC Panska Ves, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like SRO Srobarova, SRO Srobarova, CLL Colim, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like KRUC Moravsky, MODS Modra-Piesok, MODS Modra-Piesok, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like GPOP GO Pecny, Ondr, GPOP GO Pecny, Ondr, PRU Pruhonice, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like HSK Hora Svate Kat, EKA Eskdalemuir Ar, EKA Eskdalemuir Ar, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like MORH Mrgy, Hungary, MORH Mrgy, Hungary, NYC Novy Kostel, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like KIC Kyc, RONA Rosalau, RONA Rosalau, CONA Conrad Observa, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like CKRC Cesky Krumlov, CKRC Cesky Krumlov, KHC Kasperske Hory, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like KHC Kasperske Hory, GERES GERES Array B, GERES GERES Array B, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like ARSA Arzberg, KOGS Kog, MOA Moad, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like BIAO Bad Ischl, SOKA Soboth, PDG Podgorica, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like OBKA Obir, KBA Kainbach, LESA Schwarzleotel, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like BTNL Ternell, MEM Mem, MYKA Terra Mystica, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like BSTI Sart Tilman, BHOU Houvegnez, BSHU Lucle, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like GUES Guesves, ABTA Abfaltersbach, WATA Walderalm, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Includes stations like WATA Walderalm, BMRD Maredous, MOTA Moosalm, etc.

SJA 19 15:08:18.6±0.24;27S;67.13W,h192km,5km,ML4.3,
MW4.1

IDC 19 15:08:19.6±2.3,24.18S;67.00W,h170km,19km,mb3.7/8,
mbmp4.1/12,Error ellipse: s-maj=24.9km s-min=14.8km
az=57.0

NEIC 19 15:08:19.2±1.8,24.28S;0.07;67.1W;0.1,h179km,9km,
mb4.6/43,Mw1.7(GUC),Error ellipse: s-maj=14.0km
s-min=10.0km az=85.0

VAO 19 15:08:20.5±1.2,24.14S;67.04W,h192km,10km,mb4.2
AFI San Pedro de A 1.57 324 eP Pn 15 08 53.8 +1.4

ISC 19 15:08:21.0±0.7,24.24S;67.40W,h204km,9km,ML4.6
GUC 19 15:08:19.4±0.6,24.23S;0.03;67.18W;0.04,h181km,5km,
n117,±192/134,mb4.5/27,BC-32,Chile-Argentina
border region

Main table for 19d 15h with columns: Code, Station Name, Azimuth, Phase, ID, Time Res, ISC. Lists stations like SALTA, AF01, AF01, AF01, etc.

19d 15h

Table of seismic events with columns for station name, time, magnitude, and location. Includes events like IPOC Station P, IPOC Station P, IPOC Station P, etc.

2019 MAY

Table of seismic events with columns for station name, time, magnitude, and location. Includes events like Snyder 5, Aspermont, QSPA, SMWD, etc.

1100

Table of seismic events with columns for station name, time, magnitude, and location. Includes events like 0592/33, mb3.9/9, Southeast of Loyalty Islands, etc.

Table with columns: STGO, El Palmar, Qui, 1.14 100, i P, Pn, 15 43 36.8 +0.1, etc.

NEIC 19 15:43:56.8-1.1, 23.91S; 0:07:67.92W 0:10, h130km, 12km, mb4.2/2, ML3.5(GUC), Error ellipse: s-maj=13.4km s-min=9.2km az=115.0

GUC 19 15:43:58.5-0.7, 23.94S; 68.06W, h131km, 5km, ML3.5, IDC 19 15:43:58.6-4.5, 23.80S; 67.76W, h123km, 46km, mb3.6/2, mbtmp4.1/4, Error ellipse: s-maj=49.9km s-min=33.1km az=144.0

SJA 19 15:43:58.0-0.7, 23.85S; 68.05W, h120km, 6km, ML3.4, MW3.6

ISC 19 15:43:57.4-0.8, 23.87S; 0:04:48.00W 0:06, h125km, 8km, n54, c1941/64, 4C-1D, Chile-Argentina border region

Main table with columns: Code, Station Name, Az, Op, ISC, h, m, s, ISC, Res. Includes stations like AF01, SALTA, GO02, PB06, etc.

ISC 19 15:47:56.1-0.7, 54.82N; 0:04:165.89E 0:04, h25km, 4km, n862, c1806/703, mb4.9/323, 8C-12D, Komandorsky Islands region

Main table with columns: Code, Station Name, Az, Op, ISC, h, m, s, ISC, Res. Includes stations like BKI, KBTB, KBTM, etc.

Main table with columns: J14K, Nanvaranak Lak, 17.56 51, P, P, 15 52 00.7 +1.1, etc. Includes stations like FALS, L14K, G15K, etc.

19d 15h

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations in the 19d 15h range.

2019 MAY

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations in the 2019 MAY range.

1104

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations in the 1104 range.

NEIC 19 15:52:44.0±2.6, 22°25.0'±1.73; 51W:0.05, h10km, 1km, mb4.5/10, Error ellipse: s-maj=23.6km s-min=7.7km az=173.0

IDC 19 15:52:45.9±1.3, 22°64'S; 174°22'W, h0km, mb4.0/8, mbmp4.1/9, ML5.3/1, MS4.7/1, Error ellipse: s-maj=58.6km s-min=22.9km az=162.0

ISC 19 15:52:50.9±0.8, 22°65.0'±0.2; 174°20'W:0.1, h31km, n27, mb4.2/3, mb4.1/12, Tonga Islands region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations in the Tonga Islands region.

IDC 19 15:57:39.4±5.5, 37°74'N; 21°33'E, h0km, mb3.4/7, mbmp3.4/7, Error ellipse: s-maj=108.9km s-min=29.9km az=24.0

ATH 19 15:57:41.5, 37°39'N; 21°26'E, h6km, 1km, ML3.2/25, Manual Solution by C. Orfanogiannaki First location: 2019/05/19 15:58:33, This location: 2019/05/20 06:53:40

ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 1 km Longitude uncertainty: 1 km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LCHA Lechaina, ANDM Andravida, CLEM Kytilini,IIIIA,G, etc.

SOME 19 16:01:07.7,39.17N:73.95E,h15km
KRNET 19 16:01:12.9,0.1,39.46N:73.80E,h20km,mb2.8
NCC 19 16:01:17.9,2.9,39.54N:73.74E,h0km,mb3,mpv2.9,
Error ellipse: s-maj=23.5km s-min=15.1km az=153.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, OHH Osh, SALK Salom-Alik, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IUG Lg, KST KasteK, KST KasteK, etc.

IDC 19 16:08:18.6,0.8,21.64S:169.97E,h0km,mb4.0/11,
s-min=21.9km az=134.0
NEIC 19 16:08:22.0,0.8,21.65S:0.1:169.9E:0.1,h20km,6km,
mb4.5/14, Error ellipse: s-maj=20.1km s-min=16.8km
az=154.0

NOU 19 16:08:27.5,21.58S:169.42E,h30km,MLv4.1/8,
Southeast of Loyalty Islands
ISC 19 16:08:24.4,0.5,21.69S:0.09:169.70E:0.008,h35km,n61,
a=1502/63,mb4.1/15,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MARNC Mare, Loyalty, INH Isangel, PINNC Pines Island, etc.

AS31 Alice Springs 33.03 260 P P 16 14 57.8 +1.1
ASAR Alice Springs 33.03 260 P P 16 14 57.3 +0.6
ASAR Alice Springs 33.03 260 P P 16 14 57.5 +0.9

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LESA Schwarzleotal, MYKA Terra Mystica, ABTA Abtaltersbach, etc.

TAP 19 16:14:04.9,24.46'N:121.89'E,h21km,ML2.2,3C-1D,B,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EWUT Wuta, ESAC Su ao, ENA Nanau, etc.

JMA 19 16:14:51.2,0.1,24.22'N:0.5x123.2E:0.3,h14km,2km,
MV1.3/9,NEAR ISHIGAKIJIMA ISLAND,Southeastern
Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, YOJ Yonaguni jima, JYNG Yonagunijimaku, etc.

IDC 19 16:23:34.3+1.3, 45°26'N; 123°95'W, h0km, mb3.2/1, mbtmp3.1/8, ML3.0/6, Error ellipse: s-maj=18.2km s-min=9.8km az=88.0

NEIC 19 16:23:41.4+0.5, 44°99'N; 02°123'87W, 0.04, h47km, 4km, Error ellipse: s-maj=4.1km s-min=2.7km az=107.0

SEA 19 16:23:41.1+0.7, 45°00'N; 02°123'84W, 0.02, h44km, 5km, ML3.6/16, ML3.4/84(NEIC), Error ellipse: s-maj=2.8km s-min=2.0km az=179.0

ISC 19 16:23:40.7+1.2, 45°03'N; 04°123'92W, 0.06, h50km, n58, r134/47, Washington-Oregon border region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various stations like NEWO Newport DOGAMI, G03D McMinnville, O, G03D McMinnville, O, MONO Monmouth DOGAMI, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like H11S2 WAKE ISLAND Hy 62.66 269, H11S3 WAKE ISLAND Hy 62.67 269, etc.

OSPL 19 16:33:41.4+1.0, 18°99'N; 71°81'W, h20km, 30km, ML1.4, SDD 19 16:33:42.3+1.8, 18°95'N; 71°84'W, h19km, 32km, MD2.6, ML2.0, MV2.6

ISC 19 16:33:40.1+1.6, 19°01'N; 006°71'85W, 0.05, h12km, 21km, n8, r08/44, 15C-1D, Dominican Republic region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like RESTAURACION, JIDR Jimena, PRESA DE SABAN, etc.

IDC 19 16:35:25.9+0.8, 2°14'N; 84°70'W, h0km, mb3.7/8, mbtmp3.9/13, ML3.5/5, MS4.4/1, Error ellipse: s-maj=28.4km s-min=17.1km az=56.0

NEIC 19 16:35:31.3+2.1, 2°41'N; 007°84'20W, 0.07, h10km, 1km, b4.6/26, Error ellipse: s-maj=12.6km s-min=11.1km az=167.0

ISC 19 16:35:29.5+0.5, 2°33'N; 007°84'37W, 0.08, h10km, n66, r171/62, mb4.5/22, Off coast of central America

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like PUERTO LPEZ, TUMCO, OTAVO, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like D23K Nanushuk River, O16K Kokwok River B, J17K VABM Dome, etc.

IDC 19 16:35:54.0+3.2, 17°97'S; 166°63'E, h0km, mb3.5/3, mbtmp3.5/4, ML2.9/1, Error ellipse: s-maj=66.0km s-min=32.4km az=81.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 19 16:46:39.1+3.3, 21°70'S; 169°72'E, h0km, mb3.4/2, mbtmp3.4/3, ML3.2/1, Error ellipse: s-maj=153.8km s-min=31.2km az=159.0

NOU 19 16:46:39.8, 21°64'S; 169°73'E, h0km, mb1.6/11, Southeast of Loyalty Islands

ISC 19 16:46:40.9+1.6, 21°63'S; 01°169°7'E, 0.1, h10km, n15, r05/69, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, PINNC Pines Island, etc.

NOU 19 16:50:12.8, 20°16'S; 179°79'W, h46km, mb4.7/13, Fiji Islands Region, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like DGTI Dogotuki, RAO Raoul Island, MARNC Mare, Loyalty, etc.

JMA 19 16:53:38.5+0.1, 24°N; 122°3E, 0.5, h43km, 4km, MV2.1/14, TAIWAN REGION

TAP 19 16:53:38.9, 24°10'N; 122°28'E, h53km, ML3.0, C ISC 19 16:53:39.1+1.2, 24°10'N; 03°122'31E, 0.02, h49km, 6km, n8, r09/2160, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like E0S4 E0S4, E0S3 E0S3, E0S2 E0S2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TWB1 Santiaog Chiao, WHF Hehuan Shan, TIBB Shuangxi, etc.

NOU 19 16:53:59.7,38'08S;-176:33E,h170km,MLV3.1/10,North Island, New Zealand
WEL 19 16:54:02.1,0.6,38'S;6x17'6E',h150km,7km,M2,7/26,ML2,9/24,MLV2,7/26,Error ellipse: s-maj=7.7km s-min=6.0km az=64,confirmed

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KARZ Kaharoa, OMRZ Omnia, HLRZ Highlands R, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MWVZ Mauewhanga, HIZ Hauri, HZV Hauiti, etc.

IDC 19 17:17:49.8,4.5,20.75S;169.26E,h0km,mb3.5/2, mbmp3.5/3,ML3.5/1, Error ellipse: s-maj=190.4km s-min=128.6km az=146.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM 3.4nm,0.3s,baz=114,slow=8.9,SNR=68, etc.

GCG 19 17:23:53.3,0.6,14'39N;-92'64W,h31km,3km,MD3.7
MEX 19 17:23:53.3,0.5,14'75N;-92'71W,h80km,1.7km,MD3.9
ISC 19 17:23:50.1,1.8,14.53N;0.10;-92.72W,0.008,h81km,15km,n15,e273/28,Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like THIG THIG, SMCA Catarina, PATR El Naranjo, etc.

WEL 19 17:30:22.3,0.4,41'S;-127'16'E',h20km,4km,ML1.9/10,ML2.3/15,MLV1.9/10, Error ellipse: s-maj=3.8km s-min=2.8km az=121.0, confirmed, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HOWZ Holdsworth Sta, HOWZ Tintock, TIWZ Tiwaka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PAWZ Paruwai Farm, PAWZ Post Office Ro, CAW Cannon Point, etc.

IDC 19 17:30:53.4,3.5,20'40S;-169'06E,h0km,mb3.4/2, mbmp3.4/3,ML3.2/1, Error ellipse: s-maj=137.0km s-min=31.3km az=141.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM 3.4nm,0.3s,baz=174,slow=20,SNR=39, etc.

SJA 19 17:32:50.4,0.7,21'20S;-88'67W,h126km,4km,ML4.0,MW3.9
GUC 19 17:32:51.4,0.6,21'19S;-88'68W,h123km,3km,ML3.9
IDC 19 17:32:52.6,2.7,21'17S;-88'35W,h118km,24km,mb3.8/6, mbmp4.2/9, Error ellipse: s-maj=28.1km s-min=17.3km az=87.0

VAO 19 17:32:54.9,3.2,21'06S;-88'19W,h144km,11km,mb4.4
ISC 19 17:32:51.0,0.7,21'18S;-00'63'58W,0.05,h112km,6km,n49,e230/67,mb4.1/6,2C,Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB01 IPOC Station P, PB01 comp=N,5um,0.2s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB06 IPOC Station P, PB06 comp=N,1um,0.3s, etc.

19d 18h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PLCA Paso Flores, BDFB Brasilia, ITTB Itaituba, etc.

NEIC 19 17:57:13.9-2.1, 14.63N-0.05-93.59W, h10km, mb3.5/1, mB4.4/56, MD4.6/105(MEX), Error ellipse: s-maj=10.2km

GCG 19 17:57:15.4-1.8, 14.57N-93.59W, h35km, 26km, MD4.8 MEX 19 17:57:16.9-0.8, 14.70N-93.55W, h8km, 17km, MD4.6

CATAC 19 17:57:17.9-0.5, 15.1N-93.37W, h11km, 3km, M4.7/25, mB4.9/6, mB5.0/7, MLV4.9/25, Mw(m)4.7/7, Error ellipse: s-maj=7.8km s-min=3.6km az=23.8, confirmed

IDC 19 17:57:21.3-3.4, 14.81N-93.33W, h77km, 30km, mb3.7/11, mbtmp4.0/13, MS3.5/3, Error ellipse: s-maj=48.7km s-min=15.9km az=43.0

ISC 19 17:57:16.3-1.8, 14.71N-0.05-93.57W, h31km, n22z, az43/270, mb4.3/23, MS3.5/3, Near coast of Chiapas

Main station list for the 19d 18h event, listing station codes, names, azimuths, phase IDs, times, and residuals.

2019 MAY

Main station list for the 2019 MAY event, listing station codes, names, azimuths, phase IDs, times, and residuals.

1108

Main station list for the 1108 event, listing station codes, names, azimuths, phase IDs, times, and residuals.

IDC 19 18:02:04.2: 1.5, 46.28N-53.19E, h0km, mb3.5/1, mBtmp3.4/5, ML3.1/4, Error ellipse: s-maj=46.3km

ISC 19 18:02:06.9-1.4, 46.22N-0.2-53.4E, h35km, n7, az38/189, 3C, Western Kazakhstan

Station list for the 1108 event, listing station codes, names, azimuths, phase IDs, times, and residuals.

IDC 19 18:19:24.3: 1.9, 2.86S, 119.68E, h0km, mb3.5/3, mBtmp3.6/4, ML3.8/1, MS2.6/1, Error ellipse: s-maj=73.4km s-min=23.5km az=78.0

DJA 19 18:19:25.6: 0.3, 3.2S-12.0E, h10km, M3.9/12, MLV3.9/12

ISC 19 18:19:25.3: 1.1, 2.91S-0.04-119.51E, h0km, n14, az127/18, mb3.5/3, Sulawesi

Station list for the 1108 event, listing station codes, names, azimuths, phase IDs, times, and residuals.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like APSI Ampanga, MPSTI Mapaga, BSSI Babau, etc.

AFAD 19 18:28:07.8, 39°31'N, 25°46'E, h13km, 2km, MW3.6
IDC 19 18:28:07.2, 1.3, 39°36'N, 25°44'E, h0km, mb3.5/4,
mbtm3.3/4, Error ellipse: s-maj=24.5km

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

AFAD 19 18:28:07.8, 39°31'N, 25°46'E, h13km, 2km, MW3.6
IDC 19 18:28:07.2, 1.3, 39°36'N, 25°44'E, h0km, mb3.5/4,
mbtm3.3/4, Error ellipse: s-maj=24.5km

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

AFAD 19 18:28:07.8, 39°31'N, 25°46'E, h13km, 2km, MW3.6
IDC 19 18:28:07.2, 1.3, 39°36'N, 25°44'E, h0km, mb3.5/4,
mbtm3.3/4, Error ellipse: s-maj=24.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIGR SIGRI, EFN Agios Efstrati, GFS Gulpinar-Canak, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EZN Ezine, GAD Gvkegeada, BAYC CANAKKALE_Bayr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKY Skiros Island, GAD Gvkegeada, BAYC CANAKKALE_Bayr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EAGZ Marmaro, KARB zmir-Karabur, KARB KARB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNKL anakkale-Mer, COMU Canakkale, CAND Candarli, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DKL Dikili, ZEDA zmir-Bergama, GELI Tayfur-Gelibol, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URLA Izmir, ZEVE Izmir, URA-Ura-Ze, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THAS Thassos island, THAS Thassos island, LPK Lapseki, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KARY Karystos, KARY Karystos, SOLA Soma-Manisa, etc.

AFAD 19 18:28:07.8, 39°31'N, 25°46'E, h13km, 2km, MW3.6
IDC 19 18:28:07.2, 1.3, 39°36'N, 25°44'E, h0km, mb3.5/4,
mbtm3.3/4, Error ellipse: s-maj=24.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KESN Edirne-Canak, KRBG Karabiga-Canak, NEO Neokhori, etc.

AFAD 19 18:28:07.8, 39°31'N, 25°46'E, h13km, 2km, MW3.6
IDC 19 18:28:07.2, 1.3, 39°36'N, 25°44'E, h0km, mb3.5/4,
mbtm3.3/4, Error ellipse: s-maj=24.5km

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

AFAD 19 18:28:07.8, 39°31'N, 25°46'E, h13km, 2km, MW3.6
IDC 19 18:28:07.2, 1.3, 39°36'N, 25°44'E, h0km, mb3.5/4,
mbtm3.3/4, Error ellipse: s-maj=24.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HARR Harsova, ISR Istra, MTUR Matau, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BR10 Keskin Array S, BRTR Keskin Array B, BRTR Keskin Array Lg, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BR10 Keskin Array S, BRTR Keskin Array B, BRTR Keskin Array Lg, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BR10 Keskin Array S, BRTR Keskin Array B, BRTR Keskin Array Lg, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BR10 Keskin Array S, BRTR Keskin Array B, BRTR Keskin Array Lg, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BR10 Keskin Array S, BRTR Keskin Array B, BRTR Keskin Array Lg, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BR10 Keskin Array S, BRTR Keskin Array B, BRTR Keskin Array Lg, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BR10 Keskin Array S, BRTR Keskin Array B, BRTR Keskin Array Lg, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDHR Cheshme Sefid, KCHF Cheshme Sefid, ILIN Lien, etc.

AFAD 19 18:28:07.8, 39°31'N, 25°46'E, h13km, 2km, MW3.6
IDC 19 18:28:07.2, 1.3, 39°36'N, 25°44'E, h0km, mb3.5/4,
mbtm3.3/4, Error ellipse: s-maj=24.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LKBA Tubou, Lakemba, LKBA Tubou, Lakemba, etc.

AFAD 19 18:28:07.8, 39°31'N, 25°46'E, h13km, 2km, MW3.6
IDC 19 18:28:07.2, 1.3, 39°36'N, 25°44'E, h0km, mb3.5/4,
mbtm3.3/4, Error ellipse: s-maj=24.5km

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

AFAD 19 18:28:07.8, 39°31'N, 25°46'E, h13km, 2km, MW3.6
IDC 19 18:28:07.2, 1.3, 39°36'N, 25°44'E, h0km, mb3.5/4,
mbtm3.3/4, Error ellipse: s-maj=24.5km

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

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

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

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

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

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

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

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

ISN 19 18:44:03.9, 0.8, 33°58'N, 45°02'E, h14km, 13km, ML2.7
TEH 19 18:44:04.1, 33°62'N, 45°03'E, h8km, 60km
ISC 19 18:44:04.7, 1.0, 33°59'N, 0°04', 45°06'E, h13km, n10,
-087°13, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILBA Ilam Banvizeh, IDBR Badra, IDBR Badra, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDHR Cheshme Sefid, KCHF Cheshme Sefid, ILIN Lien, etc.

19d 18h

Table with columns for station name, frequency, power, and other technical details. Includes stations like STKA Stephens Creek, INKA Innaminka, ARPS Mount Arapiles, etc.

2019 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like MJBS Matsu-Tunnel, KKM Kota Kinabalu, UJGM Wonagana, etc.

1110

Table with columns for station name, frequency, power, and other technical details. Includes stations like KLR Kul'dur, N19K Wolf Creek Mou, L16K Owhat River, etc.

1111

2019 MAY

19d 18h

Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Azimuth Uncertainty, Date, Time, and other parameters. Includes stations like Chitna Glacier, Nowinta River, etc.

Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Azimuth Uncertainty, Date, Time, and other parameters. Includes stations like E18K Tukphalearik C, D17K Noatak River, etc.

Table with columns: Station ID, Name, Elevation, Azimuth, Azimuth Error, Azimuth Uncertainty, Date, Time, and other parameters. Includes stations like B22K Teshekpuk Lake, E27K Coleen River, etc.

19d 19h

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like CLZ, BMR, BMR, OSTO, etc.

2019 MAY

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like CRES, FETA, LJU, etc.

IDC 19 18:56:09.0,3.7,37.00N,20.24E, h0km, mb3.3/5, mbmp3.3/7, ML3.3/2, Error ellipse: s-maj=64.2km

ATH 19 18:56:14.6,37.43N,20.46E, h15km, 4km, ML3.5/7, Manual Solution by A.Moschou First location: 2019/05/19 18:57:17, This location: 2019/05/20 11:02:58 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 3 km; Longitude uncertainty: 4 km

THE 19 18:56:14.7,37.1N,2.2E, h1km, 1km, M3.3/15, ML3.3/15

ISC 19 18:56:14.6,1.5,37.40N,0.04,20.48E,0.05, h10km, gkm, 145, e1904/74, mb3.3/5, Ionian Sea

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ORTH, KYPIS, CLEM, etc.

PRU 19 19:15:37.4, 49.86N, 18.42E, h0km, Czech and Slovak Republics

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ORK, OKC, MORC, etc.

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Table with columns: Station, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like JKB, JNTK, JMT, etc.

ASAJ 36m, 0.6, baz=183, slow=19, SNR=11

USRK 1.3m, 0.7, baz=21, slow=14, SNR=7.1

KSRS 0.9m, 0.5, baz=97, slow=14, SNR=6.6

SOMM 0.6m, 0.6, baz=83, slow=8.4, SNR=3.7

H1N2 WAKE ISLAND Hy 30.28 128 T T 20 02 25.4

H1N1 WAKE ISLAND Hy 30.28 128 T T 20 02 25.4

H1N3 WAKE ISLAND Hy 30.28 128 T T 20 02 26.4

H1S1 WAKE ISLAND Hy 31.12 130 T T 20 03 25.9

H1S3 WAKE ISLAND Hy 31.12 130 T T 20 03 28.3

H1S2 WAKE ISLAND Hy 31.14 130 T T 20 03 29.3

ZALV 1.1m, 0.4, baz=91, slow=4.8, SNR=5.6

MKAR Machanchi Arra 42.78 58 P P 19 31 36.2 0.0

KURBB Kurchatov Arra 43.75 304 P P 19 31 47.8 -0.1

ILAR Eielson Array 45.54 35 P P 19 32 00.5 -1.4

BVAR Borovoye Array 48.02 310 P P 19 32 21.3 -0.1

WRA Warramunga Arr 61.51 188 P P 19 33 58.0 -1.1

FINES FINESSE Array B 65.12 332 P P 19 34 22.1 -0.5

HFS Hagfors 70.25 335 P P 19 34 54.1 -0.7

NOA Narsarsuaq Array B 70.28 337 P P 19 34 55.1 -0.1

AKASM Main Array B 71.09 322 P P 19 34 59.7 -0.5

IDC 19 19:48:41.7, 1.1, 21.76S, 169.86E, h0km, mb4.0/7, mbmp4.0/8, ML3.7/1, MS3.7/16, Error ellipse: s-maj=32.8km s-min=27.4km az=135.0

NOU 19 19:48:44.3, 21.73S, 169.89E, h0km, MLV4.3/10, Nubest of Loyalty Islands

BGR 19 19:48:45.5, 21.64S, 171.18E, h30km, Southeast of Loyalty Islands

ISC 19 19:48:47.8, 0.8, 21.81S, 0.1, 169.70E, 0.08, h35km, m66, e092/53, mb4.0/7, MS3.9/14, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MARNC, INH, YATNC, etc.

19d 22h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like GTA, ARTI, BELG, SONMI, TNGH, TNGC, TNGI, TNGJ, TNGK, TNGL, TNGM, TNGN, TNGO, TNGP, TNGQ, TNGR, TNGS, TNGT, TNGU, TNGV, TNGW, TNGX, TNGY, TNGZ, TNGAA, TNGAB, TNGAC, TNGAD, TNGAE, TNGAF, TNGAG, TNGAH, TNGAI, TNGAJ, TNGAK, TNGAL, TNGAM, TNGAN, TNGAO, TNGAP, TNGAQ, TNGAR, TNGAS, TNGAT, TNGAU, TNGAV, TNGAW, TNGAX, TNGAY, TNGAZ, TNGBA, TNGBB, TNGBC, TNGBD, TNGBE, TNGBF, TNGBG, TNGBH, TNGBI, TNGBJ, TNGBK, TNGBL, TNGBM, TNGBN, TNGBO, TNGBP, TNGBQ, TNGBR, TNGBS, TNGBT, TNGBU, TNGBV, TNGBW, TNGBX, TNGBY, TNGBZ, TNGCA, TNGCB, TNGCC, TNGCD, TNGCE, TNGCF, TNGCG, TNGCH, TNGCI, TNGCJ, TNGCK, TNGCL, TNGCM, TNGCN, TNGCO, TNGCP, TNGCQ, TNGCR, TNGCS, TNGCT, TNGCU, TNGCV, TNGCW, TNGCX, TNGCY, TNGCZ, TNGDA, TNGDB, TNGDC, TNGDD, TNGDE, TNGDF, TNGDG, TNGDH, TNGDI, TNGDJ, TNGDK, TNGDL, TNGDM, TNGDN, TNGDO, TNGDP, TNGDQ, TNGDR, TNGDS, TNGDT, TNGDU, TNGDV, TNGDW, TNGDX, TNGDY, TNGDZ, TNGEA, TNGEB, TNGEC, TNGED, TNGEE, TNGEF, TNGEG, TNGEH, TNGEI, TNGEJ, TNGEK, TNGEL, TNGEM, TNGEN, TNGEO, TNGEP, TNGEQ, TNGER, TNGES, TNGET, TNGEU, TNGEV, TNGEW, TNGEX, TNGEY, TNGEZ, TNGFA, TNGFB, TNGFC, TNGFD, TNGFE, TNGFF, TNGFG, TNGFH, TNGFI, TNGFJ, TNGFK, TNGFL, TNGFM, TNGFN, TNGFO, TNGFP, TNGFQ, TNGFR, TNGFS, TNGFT, TNGFU, TNGFV, TNGFW, TNGFX, TNGFY, TNGFZ, TNGGA, TNGGB, TNGGC, TNGGD, TNGGE, TNGGF, TNGGG, TNGGH, TNGGI, TNGGJ, TNGGK, TNGGL, TNGGM, TNGGN, TNGGO, TNGGP, TNGGQ, TNGGR, TNGGS, TNGGT, TNGGU, TNGGV, TNGGW, TNGGX, TNGGY, TNGGZ, TNGHA, TNGHB, TNGHC, TNGHD, TNGHE, TNGHF, TNGHG, TNGHH, TNGHI, TNGHJ, TNGHK, TNGHL, TNGHM, TNGHN, TNGHO, TNGHP, TNGHQ, TNGHR, TNGHS, TNGHT, TNGHU, TNGHV, TNGHW, TNGHX, TNGHY, TNGHZ, TNGIA, TNGIB, TNGIC, TNGID, TNGIE, TNGIF, TNGIG, TNGIH, TNGII, TNGIJ, TNGIK, TNGIL, TNGIM, TNGIN, TNGIO, TNGIP, TNGIQ, TNGIR, TNGIS, TNGIT, TNGIU, TNGIV, TNGIW, TNGIX, TNGIY, TNGIZ, TNGJA, TNGJB, TNGJC, TNGJD, TNGJE, TNGJF, TNGJG, TNGJH, TNGJI, TNGJJ, TNGJK, TNGJL, TNGJM, TNGJN, TNGJO, TNGJP, TNGJQ, TNGJR, TNGJS, TNGJT, TNGJU, TNGJV, TNGJW, TNGJX, TNGJY, TNGJZ, TNGKA, TNGKB, TNGKC, TNGKD, TNGKE, TNGKF, TNGKG, TNGKH, TNGKI, TNGKJ, TNGKL, TNGKM, TNGKN, TNGKO, TNGKP, TNGKQ, TNGKR, TNGKS, TNGKT, TNGKU, TNGKV, TNGKW, TNGKX, TNGKY, TNGKZ, TNGLA, TNGLB, TNGLC, TNGLD, TNGLE, TNGLF, TNGLG, TNGLH, TNGLI, TNGLJ, TNGLK, TNGLL, TNGLM, TNGLN, TNGLO, TNGLP, TNGLQ, TNGLR, TNGLS, TNGLT, TNGLU, TNGLV, TNGLW, TNGLX, TNGLY, TNGLZ, TNGMA, TNGMB, TNGMC, TNGMD, TNGME, TNGMF, TNGMG, TNGMH, TNGMI, TNGMJ, TNGMK, TNGML, TNGMN, TNGMO, TNGMP, TNGMQ, TNGMR, TNGMS, TNGMT, TNGMU, TNGMV, TNGMW, TNGMX, TNGMY, TNGMZ, TNGNA, TNGNB, TNGNC, TNGND, TNGNE, TNGNF, TNGNG, TNGNH, TNGNI, TNGNJ, TNGNK, TNGNL, TNGNM, TNGNN, TNGNO, TNGNP, TNGNQ, TNGNR, TNGNS, TNGNT, TNGNU, TNGNV, TNGNW, TNGNX, TNGNY, TNGNZ, TNGOA, TNGOB, TNGOC, TNGOD, TNGOE, TNGOF, TNGOG, TNGOH, TNGOI, TNGOJ, TNGOK, TNGOL, TNGOM, TNGON, TNGOO, TNGOP, TNGOQ, TNGOR, TNGOS, TNGOT, TNGOU, TNGOV, TNGOW, TNGOX, TNGOY, TNGOZ, TNGPA, TNGPB, TNGPC, TNGPD, TNGPE, TNGPF, TNGPG, TNGPH, TNGPI, TNGPJ, TNGPK, TNGPL, TNGPM, TNGPN, TNGPO, TNGPP, TNGPQ, TNGPR, TNGPS, TNGPT, TNGPU, TNGPV, TNGPW, TNGPX, TNGPY, TNGPZ, TNGQA, TNGQB, TNGQC, TNGQD, TNGQE, TNGQF, TNGQG, TNGQH, TNGQI, TNGQJ, TNGQK, TNGQL, TNGQM, TNGQN, TNGQO, TNGQP, TNGQQ, TNGQR, TNGQS, TNGQT, TNGQU, TNGQV, TNGQW, TNGQX, TNGQY, TNGQZ, TNGRA, TNGRB, TNGRC, TNGRD, TNGRE, TNGRF, TNGRG, TNGRH, TNGRI, TNGRJ, TNGRK, TNGRL, TNGRM, TNGRN, TNGRO, TNGRP, TNGRQ, TNGRR, TNGRS, TNGRT, TNGRU, TNGRV, TNGRW, TNGRX, TNGRY, TNGRZ, TNGSA, TNGSB, TNGSC, TNGSD, TNGSE, TNGSF, TNGSG, TNGSH, TNGSI, TNGSJ, TNGSK, TNGSL, TNGSM, TNGSN, TNGSO, TNGSP, TNGSQ, TNGSR, TNGSS, TNGST, TNGSU, TNGSV, TNGSW, TNGSX, TNGSY, TNGSZ, TNGTA, TNGTB, TNGTC, TNGTD, TNGTE, TNGTF, TNGTG, TNGTH, TNGTI, TNGTJ, TNGTK, TNGTL, TNGTM, TNGTN, TNGTO, TNGTP, TNGTQ, TNGTR, TNGTS, TNGTT, TNGTU, TNGTV, TNGTW, TNGTX, TNGTY, TNGTZ, TNGUA, TNGUB, TNGUC, TNGUD, TNGUE, TNGUF, TNGUG, TNGUH, TNGUI, TNGUJ, TNGUK, TNGUL, TNGUM, TNGUN, TNGUO, TNGUP, TNGUQ, TNGUR, TNGUS, TNGUT, TNGUU, TNGUV, TNGUW, TNGUX, TNGUY, TNGUZ, TNGVA, TNGVB, TNGVC, TNGVD, TNGVE, TNGVF, TNGVG, TNGVH, TNGVI, TNGVJ, TNGVK, TNGVL, TNGVM, TNGVN, TNGVO, TNGVP, TNGVQ, TNGVR, TNGVS, TNGVT, TNGVU, TNGVV, TNGVW, TNGVX, TNGVY, TNGVZ, TNGWA, TNGWB, TNGWC, TNGWD, TNGWE, TNGWF, TNGWG, TNGWH, TNGWI, TNGWJ, TNGWK, TNGWL, TNGWM, TNGWN, TNGWO, TNGWP, TNGWQ, TNGWR, TNGWS, TNGWT, TNGWU, TNGWV, TNGWW, TNGWX, TNGWY, TNGWZ, TNGXA, TNGXB, TNGXC, TNGXD, TNGXE, TNGXF, TNGXG, TNGXH, TNGXI, TNGXJ, TNGXK, TNGXL, TNGXM, TNGXN, TNGXO, TNGXP, TNGXQ, TNGXR, TNGXS, TNGXT, TNGXU, TNGXV, TNGXW, TNGXX, TNGXY, TNGXZ, TNGYA, TNGYB, TNGYC, TNGYD, TNGYE, TNGYF, TNGYG, TNGYH, TNGYI, TNGYJ, TNGYK, TNGYL, TNGYM, TNGYN, TNGYO, TNGYP, TNGYQ, TNGYR, TNGYS, TNGYT, TNGYU, TNGYV, TNGYW, TNGYX, TNGYY, TNGYZ, TNGZA, TNGZB, TNGZC, TNGZD, TNGZE, TNGZF, TNGZG, TNGZH, TNGZI, TNGZJ, TNGZK, TNGZL, TNGZM, TNGZN, TNGZO, TNGZP, TNGZQ, TNGZR, TNGZS, TNGZT, TNGZU, TNGZV, TNGZW, TNGZX, TNGZY, TNGZZ

IDC 19:20:15:24.7:16.0, 6.95S:129.43E, h94km, 179km, mb3.3/1, mbtmp3.8/4, ML3.9/3, Error ellipse: s-maj=145.0km s-min=80.7km az=33.0

ISC 19:20:15:28.2:1.0, 6.88S:101.129.9E:0.1, h150km, n13, +191/13, Banda Sea

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like FAKI, DRG, ITN, SOEI, KDU, FITZ, WRA, WRA, WRA, COEN, CIS, ASAR, PS00, WRKA, MKAR

IDC 19:20:31:45.6:2.1, 2.26S:149.86E, h0km, mb3.2/3, mbtmp3.2/3, Error ellipse: s-maj=208.7km s-min=30.5km az=122.0, New Ireland region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like WRA, ASAR, H1S3, H1S2, H1S1, H1N1, H1N3, ILAR

GCG 19:20:43:00.6:0.8, 14.96N:92.31W, h74km, 6km, MD3.6 MEX 19:20:43:00.7:0.7, 14.79N:92.39W, h82km, 6km, MD4.0

ISC 19:20:42:56.3:1.8, 14.7N:01.9228W, 0.09, h96km, 10km, n12, +144/23, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like THIG, SMCA, PATR, PAVC, STGR, STGO, STGO, PCIG, CCIG

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Table with columns: CCIG, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Alotenango, Sa, Matias Romero

UPA 19:20:55:08.1:1.5, 7.19N:77.27W, h8km, 999km, MD3.6

RSNC 19:20:55:18.7:0.0, 7.1N:3.7W, h20km, 9km, M2.4, ML2.4

ISC 19:20:55:15.8:1.5, 7.1N:0.1:78.07W:0.04, h23km, n11, +124/15, 1D, Panama

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Severo-Kuril, Pauzetka, Khotutka, Kamc, Asakha, Mutnovka, Russkaya, Gorelyy, Karymsinskiy, Petropavlovsk, Uglu, Avlavya, Koryaka, Koryakskii, Koryakskii, KRX, GNL, MKZ, MKZ

KRSC 19:21:01:47.3:2.1, 49.87N:157.00E, h40km, 26km, MI3.8, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Severo-Kuril, Pauzetka, Khotutka, Kamc, Asakha, Mutnovka, Russkaya, Gorelyy, Karymsinskiy, Petropavlovsk, Uglu, Avlavya, Koryaka, Koryakskii, Koryakskii, KRX, GNL, MKZ, MKZ

IDC 19:21:52:20.6:3.6, 5.81S:147.63E, h0km, mb3.6/1, mbtmp3.8/4, ML3.9/2, Error ellipse: s-maj=68.8km s-min=34.2km az=77.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Port Moresby, Jayapura, Warramunga Arr, Alice Springs, Torodi Arr, Bea

IDC 19:21:59:3.2:3.2, 12.29N:124.55E, h0km, mb3.5/4, mbtmp3.8/4, Error ellipse: s-maj=96.1km s-min=22.7km az=55.0, Samar

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Chiang Mai Arr, Warramunga Arr, Alice Springs, H1N1, H1N2, H1N3, MKAR

IDC 19:22:45:08.8:0.6, 6.11N:124.04E, h0km, mb3.9/18, mbtmp3.9/19, ML4.8/1, MS3.5/28, Error ellipse: s-maj=27.2km s-min=12.9km az=61.0

NEIC 19:22:45:19.5:1.5, 12.11N:0.10:123.5E:0.1, h35km, 2km, mb4.5/38, Error ellipse: s-maj=18.4km s-min=15.1km az=49.0

ISC 19:22:45:17.4:0.5, 12.12N:0.07:123.77E:0.09, h35km, n82, +2903/64, mb4.4/38, MS3.6/25, Luzon

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like Tagaytay City, Davao City (W), Lahad Datu, Kota Kinabalu, Kungimang, Kappang, Khong Chiam, GU, JUNU, Chiang Mai Arr, KSR5, KSR5, PSI, Mjarr

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Table with columns: BRDH, SHL, WRA, WB2, WRB, ERM, ASAR, ASAR, KLR, EVN, SONMI, HNR, PALK, NWAO, STKA, MK31, MKAR, MKAR, ZALV, AAK, CAN, ARSB, KURK, KURK, KURB, DZM, GAR, KK31, KK31, KK31, BRVK, BRVK, TIXI, TIXI, NRIK, NRIK, AB31, AB31, ABKAR, ABKAR, AKTO, AIS, D19K, D19K, D20K, D20K, K2B, F20K, KIV, B21K, G21K, CAST, I21K, I21K, BPAW, BPAW, NEA2, NEA2, G24K, G24K, D25K, D25K, ILAR, F25K, BMAR, H27K, ARCEN, ARCEN, G29M, G29M, FINES, FINES, AKASG, HFS, HFS, NOA, NOA, NOA, RES, RES

Table with 4 columns: Code, Station Name, Az, El, Time Res. Includes VVDA Vanda, PLCA Paso Flores.

IDC 19 22:48:52.6:0.9,34'.91N:140.05E,h0km,mb3.9/9, mbmp3.9/10,ML2.8/1,MS3.5/1,Error ellipse: s-maj=29.9km s-min=14.0km az=75.0

NEIC 19 22:48:53.5:1.5,34'.98N:0.05:140.24E:h7km±4km, mb4.5/22,Error ellipse: s-maj=7.6km s-min=6.9km az=130.0

NIED 19 22:48:56.7:35.00N:140.08E,h17km,MW3.7, Moment Tensor Solution, Scale 10^14Nm, Min=3.15; Max 1.32; M=1.84; Mw=1.32; Mw3.14; Mw0.0; Fault plane solution: M=2.05x10^14 Np1=19.00000°, 843.00000°, λ=125.00000°. NP2=243.00000°, 856.00000°. λ=62.00000°.

JMA 19 22:48:56.7:0.2,35.0N:0.6:140.1E:0.6,h17km,1km, MD3.9/33,MV3.7/33,SE OFF BOSO PENINSULA JMA Felt III J1 at SE OFF BOSO PENINSULA

ISC 19 22:48:56.0:0.8,34'.98N:0.04:140.10E:0.03,h28km±5km, n73, c094/66,mb4.2/21,2D,Near east coast of eastern Honshu

Main table of station data for the left column, including codes like VVDA, PLCA, IDC, NEIC, NIED, JMA, ISC, and various station names like TATEYAMA, BS04, etc.

Table with 4 columns: Code, Station Name, Az, El, Time Res. Includes ABKAR comp=Z,1.3nm,0.6s, U33K Whale Pass, FINES FINESS Array B, BRTR Keskin Array B, LPAZ La Paz.

RSNC 19 22:49:43.1:0.4,8'.N:5'.8'3W:λ, h26km±4km, M3.3, mb4.1, ML3.3

UCR 19 22:49:43.8:0.7,8'.53N:83'.01W,h38km±2km,MW4.1, Fault plane solution: NP1=103.37000°, 842.27000°, λ=17.14000°

CATAC 19 22:49:44.0:0.9,N4'.4'8'3W:λ, h12km±2km, M4.3/9, ML4.3/9,Error ellipse: s-maj=8.4km s-min=5.0km az=29.6, confirmed

UPA 19 22:49:44.0:0.9,8'.63N:82'.99W,h20km±2km ISC 19 22:49:44.3:1.0,8.57N:0.03:83.04W:0.03,h32km±8km, n110, c1914/128,28C-8D,Costa Rica

Main table of station data for the middle column, including codes like NELY, NELY, NELY, NELY, NELY, etc.

Table with 4 columns: Code, Station Name, Az, El, Time Res. Includes PRVC Isla de Provid, CNGN Congo Negro, CAPC Capurgana, SJCC San Jacinto, C, GUY2G Guyana, Caidas.

IDC 19 22:50:32.8:2.2,14.55S:70.61W,h0km,mb3.9/1, mbmp3.8/3,ML3.5/2,MS3.2/3,Error ellipse: s-maj=81.6km s-min=21.5km az=31.0, Central Peru

Table with 4 columns: Code, Station Name, Az, El, Time Res. Includes LPAZ La Paz, LPAZ, SIV San Ignacio, SIV, SIV, SIV.

SJA 19 23:13:24.6:0.4,18'.39S:69'.65W,h14km±3km,ML3.7, MW3.3

GUC 19 23:14:03.5:1.8,21.13S:0.04:68.4W:0.1,h100km±n18, c1967/31,8C-1D,Chile-Bolivia border region

Main table of station data for the right column, including codes like MDP, JKS, YTA, SONMM, PB01, PB01, etc.

SJA 19 23:54:44.9:0.7,31'.80S:72'.42W,h18km±14km,ML3.5, MW3.4

GUC 19 23:54:47.5:0.8,31'.69S:72'.14W,h38km±4km,ML3.0, ISC 19 23:54:44.3:2.3,31.72S:0.04:72.3W:0.1,h4km±13km, n19, c1914/28,3C-1D,Off coast of central Chile

Main table of station data for the right column, including codes like CO06, VA06, VA06, CO02, CO02, etc.

20d 1h

Table with 6 columns: Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like HATHI, SBLHI, RSD, MLH, KNHH, etc.

TRN 20 00:44:20.4, 16.76N, 0.63W, h27km, MD3.7, North-east of Guadaloupe,,Leeward Islands

Table with 6 columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like MAGL, ANBD, TBG, etc.

TXNET 20 01:02:05.5, 31.6N, 0.6W, 104.3W, 0.7, h6km, 1km, ML2.0/G, 1C, Error ellipse: s-maj=1.2km s-min=0.9km az=67.1, final, Western Texas

Table with 6 columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like TPB11, PECS, TPB12, etc.

NOU 20 01:04:30.3, 37.67S, 177.16E, h158km, MLV3.5/12, Off E. Coast of N. Island, N.Z.

WEL 20 01:04:33.7, 0.9, 38.5S, 177.7E, h125km, 8km, M3.2/18, ML3.4/7, MLV3.2/18, Error ellipse: s-maj=8.5km s-min=6.8km az=3.0, confirmed

ISC 20 01:04:28.0, 1.8, 37.82S, 0.06E, 177.17E, 0.06, h177km, 9km, n130, s176/138, Off east coast of North Island

Table with 6 columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like WHRZ, HAZ, MARZ, etc.

2019 MAY

Large table with 6 columns: Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Lists numerous stations like RTZ, WMGZ, HRRZ, etc.

RSNC 20 01:05:26.6, 0.0, 7N, 1.77W, h-1km, 3km, M3.0, mb4.0, ML2.7, Northern Colombia

Table with 6 columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like DBBC, APAC, SOLC, etc.

1118

Table with 6 columns: Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like PAMC, POPC, BBAC, etc.

TXNET 20 01:05:32.0, 31.6N, 0.6W, 104.2W, 0.7, h5km, 2km, ML1.7/5, 1C, Error ellipse: s-maj=1.1km s-min=0.9km az=67.2, final, Western Texas

Table with 6 columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like PECS, TPB12, TPB11, etc.

KRSC 20 01:06:53.8, 2.5, 62N, 153.18E, h435km, 98km, M14.2, North-west of Kuril Islands

Table with 6 columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like KDRT, KDRT, SPN, etc.

IDC 20 01:14:37.5, 1.9, 3.07N, 127.17E, h0km, mb3.4/4, mbmp3.4/4, MS4.2/1, Error ellipse: s-maj=155.7km s-min=23.7km az=67.0

DJA 20 01:14:43.7, 1.6, 3.1N, 5.12E, h26km, 16km, M3.1/5, MLV3.1/5

ISC 20 01:14:43.6, 1.6, 3.0N, 0.3, 127.1E, 0.2, h44km, n5, s035/6, mb3.3/4, Talud Islands

Table with 6 columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like SGGI, WRA, WRA, etc.

IDC 20 01:15:45.4, 0.4, 6.71S, 154.57E, h0km, mb4.7/20, mbmp4.7/22, ML2.5/1, MS4.4/53, Error ellipse: s-maj=17.6km az=84.0

BJI 20 01:15:46.8, 6.30S, 154.94E, h10km, mb5.4/8, mb5.1/68, MS4.8/57, MS7.4/59

MOS 20 01:15:47.1, 1.6, 6.61S, 154.38E, h10km, mb5.2/26, MS4.6/6, Error ellipse: s-maj=11.4km s-min=8.5km az=120.6

NEIC 20 01:15:48.4, 6.69S, 154.71E, h12km

NEIC 20 01:15:48.4, 6.69S, 154.40E, h12km, Moment Tensor Solution. Duration: 2s0 Moment tensor: Scale 10^10Nm; Mr=7.0; Mw=3.75; Ms=1.95; Mv=2.55; Mf=3.18; Mbr=6.06;

Fault plane solution: Mb=8.500x10^16 NP1: 0.286, 57.00; 0.325, 59.000; 1.53, 150.000; NP2: 0.445, 30.000; 0.669, 78.000; 1.06, 0.000. Principal axes: T 9.0827, Plg62.000; Azm383.000; N -0.4630, Plg15.000; Azm323.000; P -8.6197, Plg23.000; Azm226.000;

NEIC 20 01:15:48.1, 2.2, 6.72S, 0.08E, 154.73E, 0.09, h10km, 1km, mb5.0/196, Mww5.2/19 Error ellipse: s-maj=15.1km s-min=13.2km az=64.0

GCMT 20 01:15:53.2, 0.1, 6.92S, 0.01E, 154.53E, 0.01, h13km, MW5.3/10, Moment Tensor Solution. s109, c157; s140, c235; Duration: 1s0 Moment tensor: Scale 10^17 Nm; Mr=0.67; Mw=0.36; Ms=0.31; Mv=0.43; Mf=0.43; Mbr=0.33; Best double couple: M0.9810x10^17; NP1: s317.00000; 322.00000; 1.97, 0.0000; NP2: s129.00000; 868.00000; 1.87, 0.00000. Principal axes: T 0.9700, Plg67.0000; Azm34.0000; N 0.0220, Plg3.0000; Azm122.0000; P -0.9920, Plg23.0000; Azm222.0000; nsta1 refers to surface waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 20 01:16:04.4, 2.8, 7.5S, 1.5E, 1.4, h136km, 22km, M5.0/19, mb4.8/19, mb5.6/8, Mw(mb)5.0/8, Mww5.0/1, Mwp5.3/1

ISC 20 01:15:49.4, 0.5, 6.77S, 0.04E, 154.73E, 0.05, h21km, 5km, n75, s1940/939, mb5.0/145, MS4.8/92, 34C-29D, Bougainville-Solomon Islands region

Table with 6 columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes stations like RABL, HNL, PMG, etc.

Table of meteorological data for station 1119. Columns include station name, coordinates, elevation, and various atmospheric parameters like pressure, temperature, and humidity.

Table of meteorological data for station 2019 MAY. Columns include station name, coordinates, elevation, and various atmospheric parameters like pressure, temperature, and humidity.

Table of meteorological data for station 20d 1h. Columns include station name, coordinates, elevation, and various atmospheric parameters like pressure, temperature, and humidity.

20d 1h

Table with columns: RKT, comp-Z, Name, Value, Unit, Direction, Status, Date/Time, and other parameters. Includes entries like SEY Seymchan, P08B Saint George I, SPIA Saint Paul Isl, etc.

2019 MAY

Table with columns: WMO, comp-Z, Name, Value, Unit, Direction, Status, Date/Time, and other parameters. Includes entries like G16K Koyuk River, G16K Koyuk River, HOM Homer, etc.

1120

Table with columns: D20K, N25K, I23K, HARP, CRQE, PAX, G22K, H23K, MESA, F22K, HDA, MK31, MKAR, MKAR, MKAR, E21K, MCARA, K24K, K24K, QSPA, QSPA, QSPA, B20K, G23K, POKR, ILAR, ILAR, ILAR, MAKZ, MAKZ, MAKZ, C21K, H24K, COLD, RIDG, RIDG, E22K, M26K, B21K, B21K, CTG, D22K, D22K, J25K, J25K, L26K, DOT, ZALV, ZALV, ZALV, ZALV, SCRK, SCRK, M27K, M27K, G24K, G24K, E23K, E23K, PRP, A21K, D23K, D23K, J26L, L27K, YUK3, F24K, F24K, F24K, BCAR, B22K, H25L, A22K, YUK8, TOLK, BVCV, MAW, MAW, MAW, E24K, G25K, O29M, O29M, O29M, K27K. Includes various station names and their corresponding data points.

Table with columns for ID, Name, Date, Time, and other details. Rows include K27K Chicken, P29M Windy Craggy, S31K Pelican, C23K Itkiliik River, I26K Coal Creek Min, I26K Coal Creek Min, YUK4 Talbot Arm, D24K Happy Valley, D24K Happy Valley, F25K Christian River, P30M Million Dollar, HYT Haines Junction, HYT Haines Junction, PLBC Pleasant Camp, C24K Franklin Bluff, BMAR Burnt Mountain, E25K Arctic Village, G26K Porcupine River, S32K Killisnoo, M29M Somme Creek, I27K Craig, I26K Kandik River, KSH Kashi, KSH Kashi, F26K Sheenjek River, BESE Bessie Mount, N30M Aishikik Lake, R32K Eaglecrest, U33K Whale Pass, DAWY Dawson, DAWY Dawson, SKAG Skagway, D25K Kavik River, O30N Mendenhall, O30N Mendenhall, L29M L29M, L29M L29M, H27K Steamboat Moun, H27K Steamboat Moun, UHLK Ulahot, T33K Petersburg, G27K Doyot Strip, I28M Miner Creek, I28M Miner Creek, WRAK Wrangell Islan, N31M Braeburn, YUKO Doyot Strip, V35K Ketchikan, J29N Klondike Camp, WHY Whitehorse, WHY Whitehorse, K29M Barlow Dome, K29M Barlow Dome, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, KURB Kurchatov Arra, KURBB Kurchatov, KURBB Kurchatov, P26K Camden Bay, P32M Atlin, NIL Nilore, NIL Nilore, NIL Nilore, TKM2 Tokmak, I29M Ogilvie Camp, I29M Ogilvie Camp, E27K Coleen River, C27K Jago River, C27K Jago River, H29M Whitestone, Q32M Nakina River, M31M Drury Creek, M31M Drury Creek, P33M Teslin, Yukon, S34M Telegraph Cree, U35K Hyder, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, N32M Quiet Lake, I30M Mount Dempster, I30M Mount Dempster, D27M Malcolm River.

Table with columns for ID, Name, Date, Time, and other details. Rows include D27M Malcolm River, G29M Pine Creek, G29M Pine Creek, BBB Bella Bella, USP Oshpenovka, T35M Bob Quinn, FARO Faro, Yukon, FARO Faro, Yukon, E28M Babbage River, E28M Babbage River, EPYK Eagle Plains, R33M Jennings River, AML Almayashu, EKS2 Erkin-Say, DLBC Dease Lake, DLBC Dease Lake, DLBC Dease Lake, E29M Blow River, G30M tAoh Zraii Nj, G30M tAoh Zraii Nj, D28M Stokes Point, NRIK Nori'sk, NRIK Nori'sk, NRIK Nori'sk, NRIK Nori'sk, NRIK Nori'sk, H31M Peel River, F30M Barrier River, F30M Barrier River, MMPY Sheldon Lake, MMPY Sheldon Lake, G31M Satah River, YBH Yre Blue Hor, F31M Tsigitehchic, INK Inuvik, INK Inuvik, TGTN Hyland Airport, AFDM Forest Hills D, AFDM Forest Hills D, J05D Fort Rock, OR, J05D Fort Rock, LIRD Liard River Hi, KK31 Karatay Array, KKAR Karatay Array, KKAR Karatay Array, PINE Pine Mountain, TOAD Toad River Com, SIMJ Simiganj, PAHR Pah Rah Range, KOTAN Kotaneelee Air, I07A Ize, NVAR Mina Array Bea, NVAR Mina Array Bea, NVAR Mina Array Bea, DSP Deep Springs, BVAR Borovoye Array, BVAR Borovoye Array, BRVK Borovoye, BRVK Borovoye, WRGL Wreley, MZP Montezuma Peak, SYO Syowa Base, PFO Pinyon Flats, C36M Paulatuk, BMO Blue Mountains, A36M Sachs Harbour, NEW Newport, SHPR Sheep Range, V12A Nelson, ELK Elko, ELK Elko, W13A Hualapai Mount, PSUT Pine Spring, ELB Princess Elisa, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKAW3 Yellowknife Wh, YKAW Yellowknife Wh, LPUG La Pa, TMUT Trail Mountain, AB31 Akbulak array, PDAR Pinalde Arra, PDAR Pinalde Arra.

Table with columns for Name, Date, Time, and other details. Rows include ARTI Arti, AKTO Aktyubinsk, KLMM Klyuvnsko, KLMM Klyuvnsko, KIV Kislovodsk, SOC Sochi, SOC Sochi, SOC Sochi, SOC Sochi, SOC Sochi, FINESS Array B, MNK Minsk, MNK Minsk, MNK Minsk, MNK Minsk, MNK Minsk, MNK Minsk, BNN Bunsay, PLCA Paso Flores, AKASG Malin Array Be, AKAB Kiev, KIEV Kiev, KIEV Kiev, PABE Paberze, MIRM Mirestii Mici, BR13 Keskin Array B, BR13 Keskin Array B, BR13 Keskin Array B, BRTR Keskin Array B, BRTR Keskin Array B, PURM Purcari, ANTO Ankara, ANTO Ankara, ANTO Ankara, SORM Soroca, SORM Soroca, SUW Suwalki, MILM Milestii Mici, MILM Milestii Mici, HFS Hagfors, NB2 NORSAR Subarar19, NOA NORSAR Array E, CFR Carcailu, CFR Carcailu, CFR Carcailu, TESR Tescani, MRS Muntele Rosu, VRI Vrincoiaia, VRI Vrincoiaia, PLOR Plostina, PLOR Plostina, ISP Isparta, ISP Isparta, BURAR Bucoovina Array, BURAR Bucoovina Array, BURAR Bucoovina Array, MLR Muntele Rosu, KWP Kalwaria Pacla, VOIR Voiron, VOIR Voiron, KOLS Kolonicke sedl, KOLS Kolonicke sedl, HUMR Humele, OJC Ojcow, DRGR Drogoszyn, DRGR Drogoszyn, NIEDZICA Niedzica, DEV Deva, DEV Deva, LANS Liptovska Anna, LANS Liptovska Anna, SUND Sund, OKR Ostrava-Krasne, HERR Herculan, PSZ Piszkesteto, PSZ Piszkesteto, BZS Buzias, BZS Buzias, MORC Moravsky Berou, MORC Moravsky Berou, MORC Moravsky Berou, MORC Moravsky Berou, VYHS Vyhne, VYHS Vyhne, KRLC Kraliky, KRLC Kraliky, KRLC Kraliky, KRLC Kraliky, MDVR Moldovita, OSTC Ostad, OSTC Ostad, OSTC Ostad, OSTC Ostad, OSTC Ostad, DPC Dobruska-Polom, UPC Ujice, JAVC Velka Javorina, SRO Srobarova, SRO Srobarova, VYHS Vyhne, VYHS Vyhne, VYHS Vyhne, MODS Modra-Piesok, MODS Modra-Piesok, KRUC Kruc, KRUC Kruc, BRVG Berggiesshubel, BRVG Berggiesshubel, CLL Collm, CLL Collm, GOPC Gopcey, Ondr, TREC Trest, MORH Mrgy, Hungary, PRU Pruhonice, PRU Pruhonice, PRA Prague, PRA Prague, HSKK Horvatek, RONA Rosalia, ZVC Zvickov.

20d 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CONA Conrad Observa, CKRC Cesky Krumlov, CKRC Cesky Krumlov, NKC Novy Kostel, etc.

ADC 20 01:28:04.90.6, 6.80S, 154.59E, h0km, mb4.4/17, mbmp4.4/19, MS3.6/2, Error ellipse: s-maj=20.5km s-min=15.8km az=109.0, NEIC 20 01:28:08.2.1, 6.5S, 154.6E, 0.1, h10km, mb4.7/33, Error ellipse: s-maj=20.4km s-min=16.9km az=80.0, ISC 20 01:28:11.0.5, 6.81S, 154.61E, 0.08, h39km, n91, r137/93, mb4.7/42, 1C-ID, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RABL Rabaul, HNR Honiara, PMG Port Moresby, MANU Manus Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NJ2 Nanjing, LYN Luoyang, HNS HongShan, KMI Kunming, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like D23K Nanushuk River, B22K Teshekup Lake, C23K Itkiliik River, KSH Kashi, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MOTA Moosalm, SQTa Sankt Quirin, FEA Feichten, DAVA Damuels, etc.

ADC 20 01:39:34.5.1.2, 6.73S, 154.55E, h0km, mb4.0/10, mbmp4.0/10, MS3.6/2, Error ellipse: s-maj=4.7km s-min=23.5km az=133.0, ISC 20 01:39:40.1.1, 3.68S, 154.5E, 0.2, h39km, n13, r077/11, mb3.9/10, Bougainville-Solomon Islands region

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

NOU 20 01:40:53.4.37, 78S, 178.31E, h166km, MLV3.8/7, Off E. Coast of N. Island, N, WEL 20 01:41:01.5.0.8, 38.5.4, 17.8E, h44km, 5km, M3.2/12, ML3.4/14, MLV3.2/12, Error ellipse: s-maj=5.5km s-min=4.9km az=11.2, confirmed, ISC 20 01:40:58.8.1, 3.78S, 154.5E, 0.06, h177.2E, 0.05, h114km, 9km, n96, r144/114, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HAZ Te Kaha, RUGZ Raukumara Rang, PKGZ Pakihiora, WSRZ White Island S, etc.

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

CATAC 20 01:44:51.4, 0.4, 13°N, 144°48'W, h29km, M3.4/14, MLV3.4/14, Error ellipse: s-maj=8.3km s-min=2.9km

GCG 20 01:44:54.2, 0.7, 12°86'N, 88°15'W, h95km, 2.4km, MD.4, 1, SNEF 20 01:44:55.5, 1.9, 13°09'N, 88°02'W, h74km, ML3.3, ML3.3, ISC 20 01:44:51.1, 1.7, 12°55'N, 0°07', 88.07°W, 0.04, h28km, 1.4km, n38, c052/48, 1D, Off coast of central America

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

IDC 20 02:03:08.0, 1.9, 6.79S, 154.76E, h0km, mb3.6/4, mbtmp3.6/4, MS3.3/1, Error ellipse: s-maj=82.5km s-min=31.6km az=133.0, Bougainville-Solomon Islands region

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

IDC 20 02:08:36.0, 1.0, 42°13'N, 144°47'E, h0km, mb3.7/12, mbtmp3.7/14, ML3.5/2, MS3.3/3, Error ellipse: s-maj=22.1km s-min=20.7km az=174.0

MOS 20 02:08:41.3, 1.2, 42°03'N, 144°22'E, h52km, mb4.3/1, Error ellipse: s-maj=17.2km s-min=8.8km az=72.4

JMA 20 02:08:41.2, 0.2, 11.0, 144°3E, 0.5, h56km, 2km, MV.4/39, SE OFF TOKACHI

SKHL 20 02:08:42.6, 0.1, 42°10'N, 144°20'E, h58km, 7km, mb4.7/3, ISC 20 02:08:42.2, 1.3, 42°04'N, 0°07', 144.31E, 0.04, h45km, 12km, n51, c095/61, mb3.7/12, 4D, Hokkaido region

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

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

IDC 20 02:11:24.3, 1.0, 7°16'N, 93°80'E, h0km, mb3.8/13, mbtmp3.7/15, ML3.5/2, MS3.1/3, Error ellipse: s-maj=47.4km s-min=17.9km az=52.0

NDI 20 02:11:27.6, 2.6, 7°48'N, 94°49'E, h10km, ML.2, MW.4.2, NEIC 20 02:11:27.7, 1.5, 7°51'N, 0°1, 94°41'E, 0.1, h10km, 1km, mb4.3/9, Error ellipse: s-maj=20.3km s-min=13.1km az=139.0

ISC 20 02:11:28.8, 0.6, 7°45'N, 0°06', 94°39'E, 0°07', h24km, n43, c170/38, mb4.0/18, Nicobar Islands region

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

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

NEIC 20 02:15:45.1, 0.9, 19°33'N, 0°01', 155°19'W, 0°00', h5km, 1km, Error ellipse: s-maj=2.4km s-min=1.9km az=345.0

HVO 20 02:15:44.7, 0.9, 19°35'N, 0°01', 155°18'W, 0°00', h6km, 1km, ML3.0/45, ML2.9/38(NEIC), Error ellipse: s-maj=1.7km s-min=1.0km az=161.0, Hawaiian Islands

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

20d 3h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include POHA, POHA, POHA, HUH, HUH, CPH, HPAH, HPAH, MHA, MHA.

ICD 20 02:20:17.1.2.7, 29.86N-51.00E, h0km, mb3.6/6, mbtmp3.6/6, Error ellipse: s-maj=59.9km s-min=27.6km az=152.0

Main station list table for the first section, including codes like KAZZ, SHI, ABEH, etc., and station names like Kazeron-Fars-I, Shiraz, Behbahan, etc.

ICD 20 02:23:48.4.4.6, 17.81N-119.37E, h0km, mb3.4/4, mbtmp3.4/4, MS2.8/1, Error ellipse: s-maj=56.3km s-min=23.7km az=61.0, Philippine Islands region

Main station list table for the second section, including codes like CMAR, WRA, MKAR, ASAR, etc., and station names like Chiang Mai Arr, Warrunganga Arr, etc.

ICD 20 02:37:38.9.0.9, 6.87S-154.56E, h0km, mb4.1/8, mbtmp4.1/8, MS3.6/13, Error ellipse: s-maj=41.0km s-min=22.7km az=124.0

ICD 20 02:37:44.7.0.9, 6.95S-02.154.7E, 0.2, h39km, n19, c=1503/10, mb4.1/8, MS3.5/11, Bougainville-Solomon Islands region

Main station list table for the third section, including codes like HNR, PMG, WRA, ASAR, etc., and station names like Honiara, Port Moresby, etc.

2015 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NEW, YKA, GERES, PKIP.

ICD 20 02:45:21.1.1.6, 35.32N-52.31E, h0km, mb3.7/13, mbtmp3.7/16, ML3.6/3, MS2.9/2, Error ellipse: s-maj=32.9km s-min=15.8km az=4.0

Main station list table for the fourth section, including codes like IFIR, IDMV, DAMV, etc., and station names like Firoozkooh, Damavand, etc.

ICD 20 02:45:24.2.0.5, 35.41N-03.52E, 45E-0.03, h15km, n113, c=2503/121, mb3.7/17, MS3.1/3, 6C-3D, Northern and central Iran

Main station list table for the fifth section, including codes like IKHL, JABG, ANAR, etc., and station names like Kolahrood, Jang-e-Gazvin, etc.

ICD 20 02:47:40.7.1.9, 6.67S-154.27E, h0km, mb3.7/4, mbtmp3.7/4, Error ellipse: s-maj=78.1km s-min=31.0km az=131.0, Bougainville-Solomon Islands region

ICD 20 02:47:44.7.0.9, 6.95S-02.154.7E, 0.2, h39km, n19, c=1503/10, mb4.1/8, MS3.5/11, Bougainville-Solomon Islands region

Main station list table for the sixth section, including codes like WRA, ASAR, MKAR, NVAR, etc., and station names like Warrunganga Arr, Alice Springs, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AKTO, AAK, AAK, ARTI, ARTI, etc.

ICD 20 02:57:41.7.1.8, 0.64N-127.91E, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=144.1km s-min=23.4km az=68.0

Main station list table for the seventh section, including codes like AKTO, AAK, ARTI, BRVK, etc., and station names like Ala-Archa, Borovoye, etc.

ICD 20 02:57:41.7.1.8, 0.64N-127.91E, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=144.1km s-min=23.4km az=68.0

ICD 20 02:57:47.0.1.3, 0.46N-107.127.5E, 0.2, h35km, n7, c=2618/18, mb3.5/4, Halmahera

Main station list table for the eighth section, including codes like Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TNTI, SANI, etc.

IDC 20 03:29:13.0±1.2, 60°.58S:26°61'W, h0km, mb3.7/3, mbmt3.8/4, ML4.0/1, Error ellipse: s-maj=49.6km s-min=26.6km az=61.0

NEIC 20 03:29:16.2±1.1, 60°.56S:0°09:26.7W:0.2, 1.0hkm, 1km, mb4.5/11, Error ellipse: s-maj=22.4km s-min=11.4km az=125.0

ISC 20 03:29:17.6±0.8, 60°.60S:0°26:27.0W:0.2, h20km, n24, c0812/24, mb4.6/8.5C, South Sandwich Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, Time, Res. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, Time, Res. Includes stations like FINES FINES Array B, CLK Collin, RONA Rosalia, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, Time, Res. Includes stations like UUPR Utuado, UPR, P, OBIP Obispado Ponce, etc.

NEIC 20 03:39:20.5±1.4, 23°.05S:0°06:17.9W:0.2, h594km, 14km, mb4.1/15, Error ellipse: s-maj=27.8km s-min=8.2km az=87.0

IDC 20 03:39:21.8±0.6, 22°.83S:179°99'E, h594km, 42km, mb3.3/3, mbmt4.3/4, Error ellipse: s-maj=131.7km s-min=26.7km az=141.0

ISC 20 03:39:20.6±1.1, 23°.05S:0°11:17.9W:0.2, h600km, n25, c0568/25, mb4.1/12, South of Fiji Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, Time, Res. Includes stations like MSVF Nonsavu, ARMA Armidale, EIDS Eidsvoll, etc.

IDC 20 03:34:36.3±0.8, 21°.68S:169°94'E, h0km, mb3.9/7, mbmt3.9/8, ML4.3/1, MS3.5/9, Error ellipse: s-maj=31.8km s-min=24.6km az=154.0

NEIC 20 03:34:40.0±1.0, 21°.6S:0°26:16.9E:0.1, 1.0hkm, 1km, mb4.4/10, Error ellipse: s-maj=25.8km s-min=19.7km az=347.0

NOU 20 03:34:58.7, 21°.80S:168°28'E, h0km, MLv3.1/6, Loyalty Islands

ISC 20 03:34:42.2±0.5, 21°.64S:0°09:16.9E:0.08, h36km, n72, c0955/66, mb4.2/10, MS3.5/6, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, Time, Res. Includes stations like PINNC Pines Island, ONTNC Ouen Toro, etc.

SDD 20 03:34:58.1±2.1, 18°.35N:68°77'W, h164km, 13km, MD2.9, ML2.5, MW2.7

RSPR 20 03:34:59.2, 18°27'N:68°98'W, h151km, MD2.9/13 NEIC 20 03:34:59.3±1.7, 18°.0N:0°26:02'W:0.04, h107km, 15km, ML2.5/20, MD2.9/13(RSPR), Error ellipse: s-maj=26.1km s-min=5.5km az=180.0

OSPL 20 03:35:00.7±1.5, 18°.32N:68°96'W, h0km, 14km, ML2.5 ISC 20 03:34:57.9±1.5, 18°.30N:0°08:68.93W:0.03, h152km, 9km, n55, c1849/75, 24C-6D, Mona Passage

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

IDC 20 03:57:57.0±1.6, 6°.93S:154°62'E, h0km, mb3.8/6, mbmt3.8/6, MS3.3/6, Error ellipse: s-maj=61.5km s-min=26.0km az=130.0

ISC 20 03:58:02.8±1.5, 7°.05S:0°3:154.6'E:0.3, h39km, n11, c1921/6, mb3.6/6, MS3.3/3, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, ISC, Time, Res. Includes stations like HNR Honiara, PMG Port Moresby, JAY Jayapura, etc.

Table with columns: KMI, KMI, CMAR, CMAR, CMAR, CHTO, CHTO, K29M, K29M, HHC, HHC, HHC, PZH, PZH, PZH, LZH, LZH, LZH, YAKU, YAKU, WMQ, WMQ, MKAR, MKAR, KURBB, KURBB, BVAR, BVAR, ARCES, ARCES, FINES, FINES, FINES, NB2, NB2, NOA, NOA, HFS, HFS, AKASG, AKASG, AKBB, AKBB, KIEV, KIEV, EKA, EKA, EKA, BR13, BR13, BR13, BR13, BRTR, BRTR, MMAI, MMAI, MMAI, KWP, KWP, SURO, SURO, NIE, NIE, KSP, KSP, CLL, CLL, CLL, CLL, MORC, MORC, VRAC, VRAC, JAVC, JAVC, KRUC, KRUC, ESDC, ESDC

BER 20 04:37:29.2, 9.79; 69N; 3.49E, h10km, mb(Pn)2.9, ML1.0(DNK), Confirmed Earthquake

DNK 20 04:37:31.0, 1.4, 79.70N; 3.72E, h36km, 11km, ML1.0

ISC 20 04:37:24.8, 0.8, 79.83N; 0.05, 3.09E; 0.04, h12km, n18, c315/35, 2C, Greenland Sea

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

ATH 20 04:39:26.8, 37.40N; 20.49E, h12km, 4km, ML3.5/10, Manual Solution by A.Moschou First location: 2019/05/20 04:40:33, This location: 2019/05/20 05:52:14 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 4 km; Longitude uncertainty: 4 km

THE 20 04:39:27.1, 37 N; 2 x 1 E; h, h0km; 1km, M3.2/13, MLh3.2/13

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

IDC 20 04:42:14.0, 10.0, 26.96N; 55.54E, h0km, mb3.7/6, mbmp3.7/7, ML3.9/1, Error ellipse: s-maj=198.0km s-min=36.4km az=178.0

TEH 20 04:42:15.4, 26.96N; 55.71E, h8km, 58km DSN 20 04:42:16.1, 1.0, 27.17N; 55.86E, h19km, ML3.6/13, Error ellipse: s-maj=2.1km s-min=0.6km az=67.0

OMAN 20 04:42:18.3, 0.3, 26.93N; 55.59E, h10km, mb4.5/4, m3.6/19, Error ellipse: s-maj=5.4km s-min=2.0km az=30.0

ISC 20 04:42:16.4, 1.7, 27.06N; 0.04, 55.68E; 0.04, h0km, 12km, n86, c138/107, mb3.6/6, 1D, Southern Iran

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

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

IDC 20 04:52:41.9, 1.4, 1.68N; 126.62E, h0km, mb3.9/6, mbmp3.9/6, MS2.5/1, Error ellipse: s-maj=102.6km s-min=17.7km az=62.0

DJA 20 04:52:46.2, 0.5, 2.2 N; 3 x 12 E; h, h28km; 3km, M4.2/10, ML4.2/10

NEIC 20 04:52:48.4, 1.1, 2.4N; 0.1; 128.16E; 0.10, h57km, 8km, m3.4/21, Error ellipse: s-maj=18.6km s-min=13.0km az=215.0

ISC 20 04:52:46.9, 0.6, 2.43N; 0.06; 128.26E; 0.07, h50km, n44, c1925/45, mb4.3/21, Halmahera

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

20d 6h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like L18K, Granite Mounta, C19K, H19K, D19K, Kuna River, etc.

IDC 20 04:53:08.5:0.9,25:59S;176:10W,h0km,mb4.0/5, mbmp4.0/6,ML4.2/1, Error ellipse: s-maj=38.8km

ISC 20 04:53:11.7:0.8,26:05S;0:1:176:1W,0:2,h23km,n17, +165:11,mb4.0/5, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, ASAR Alice Springs, QSPA South Pole Qui, H03S2 Juan Fernandez, etc.

IDC 20 05:00:32.4:0.8,25:45S;176:18W,h0km,mb4.1/9, mbmp4.0/9,MS3.9/6, Error ellipse: s-maj=30.0km

NEIC 20 05:00:39.2:1.5,25:55S;0:1:176:5W,0:1,h35km,2km, mb4.6/13, Error ellipse: s-maj=22.6km s-min=17.2km

ISC 20 05:00:38.4:0.6,25:58S;0:09:176:4W,0:1,h36km,n42, +120:33,mb4.3/15,MS3.9/4, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MSVF Nonsavu, FUTU Fugatoga, URZ Urewera, PPT Papeete, STKA Stephen Creek, etc.

2019 MAY

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SCM Sheep Creek Mo, PDAAR Pinedale Array, ILAR Hagfons Arra, KURBB Kurchatov Arra, etc.

GCG 20 05:48:09.6:3.5,17:42N;94:88W,h152km,43km,MD4.6 MEX 20 05:48:10.8:1.1,17:69N;94:95W,h134km,7km,MD4.2

ISC 20 05:48:08.1:1.3,17:71N;0:04:94:95W,0:03,h145km,8km, n34,+1943/67,Chiapas

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CMIG Matias Romero, NEUV Arroyo Zacate, PMUV Sontecomapan, etc.

MDD 20 05:49:52.1:1.1,37:30N;13:99W,h5km,mb3.8/11, M,mb3.7/10, Error ellipse: s-maj=8.5km s-min=7.3km az=54.0

IGIL 20 05:49:55.6:3.7;16N:14:15W,h31km,ML2.1 INMG 20 05:49:57.3:1.4,37:12N;14:13W,h22km,ML2.2, Error ellipse: s-maj=8.6km s-min=7.8km az=68.0

#DIST RANGE: REGIONAL #IFMA REGION: Josephine ISC 20 05:49:53.0:3.7;37.4N;0:1:13.8W;0:2,h10km,n41, +2:01/71,11C,Azores-Cape St Vincent Ridge

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PMAFR Mafra, PMAFR Vila Bisbo, PTEO Sao Teotonio, etc.

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Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PBEJ Beja, PBEJ Casimiro, EGRO El Granado, etc.

IDC 20 05:50:18.1:3.4,54:21N;87:46E,h0km,mbmp2.8/2, ML2.6/2, Error ellipse: s-maj=28.0km s-min=19.5km

ASRS 20 05:50:17.0:1.6,54:12N;87:15E,h0km,M2.7, The earthquakes of Russia in 2019. Obiknet, GS RAS, 214 p + CD-ROM, 2021., Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H46RU Zalesovo Infra, ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

IDC 20 06:00:59.3:0.8,6:71N;72:97W,h155km,10km,mb2.9/3, mbmp3.5/5,MS3.8/1, Error ellipse: s-maj=36.5km s-min=7.7km az=131.0

RSNC 20 06:01:00.5:0.0,7:1N;1:7:3W,1,h148km,2km,MS3.5,mb3.9, mb5.0,ML3.2,Mw(mb)4.4

ISC 20 06:00:59.5:0.8,6:85N;0:03:73:14W;0:03,h151km,6km, n46,+179/84,mb3.2/3,Northern Colombia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BARC Barichara, BRUC Barrancabermeje, PAMC Pamplona, etc.

Table with columns: Code, Station Name, Time, Res, and various numerical values. Includes entries like DBBC, ARGC, SDV, etc.

BUJ 20 06:02:12.3, 6.44S; 154.98E, h5km, mb5.3/45, mb5.1/75, Ms5.3/63, Ms7.5/0/61
IDC 20 06:02:12.7, 0.5, 6.78S; 154.59E, h0km, mb4.8/20, mbmp4.8/22, ML2.4/1, MS4.5/38, Error ellipse: s-maj=19.6km s-min=13.6km az=97.0
MOS 20 06:02:13.7, 1.0, 6.74S; 154.50E, h12km, mb5.2/31, MS4.6/6, Error ellipse: s-maj=9.9km s-min=7.6km az=115.7
NEIC 20 06:02:14.9, 1.5, 6.86S; 0.05S; 154.61E; 0.09, h10km, 1km, mb5.2/23, Mmw5.2/20, Error ellipse: s-maj=14.8km s-min=9.3km az=85.0
NEIC 20 06:02:15.1, 6.82S; 154.41E, h12km, Moment Tensor Solution. Duration: 158 Moment tensor: Scalar 1016Nm; Mw: 1.2; Mb: 3.35; Mo: 1.77; Mo2: 2.67; Mo3: 2.45; Mo4: 4.85; Fault plane solution: Mo: 7.53000x10^16 NP1: 0.291, 63000, 824, 26000, 160, 43000. NP2: 0.143, 53000, 869, 06000, 1102, 54000. Principal axes: T 7.7795, Plg64.0000, Azm74.0000; N -0.4906, Plg12.0000, Azm319.0000; P -7.2889, Plg23.0000, Azm224.0000
NEIC 20 06:02:15.1, 6.82S; 154.62E, h12km, GCMT 20 06:02:18.9, 0.1, 6.93S; 0.01S; 154.48E; 0.01, h13km, MWS: 2/137, Moment Tensor Solution: s94, c135, s137, c211. Duration: 150 Moment tensor: Scalar 1016 Nm; Mw: 1.2; Mb: 3.20; Mo: 2.92; Mo2: 1.92; Mo3: 3.45; Mo4: 2.9; Mo5: 2.91; Mo6: 2.99; Mo7: 2.7; Best double couple: Mo: 7.57700x10^16 NP1: 0.315, 0.0000, 827, 0.0000, 193, 0.0000. NP2: 0.132, 0.0000, 864, 0.0000, 89, 0.0000. Principal axes: T 7.6520, Azm137.0000; N -0.4906, Plg19.0000, Azm223.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
DJA 20 06:02:26.4, 0.9, 7.54S; 154.4E, h120km, 8km, M5.1/30, mb4.9/30, mb5.4/18, MLV5.9/1, Mw(MB)4.9/18, Mwmw5.1/5, Mwp5.3/5
ISC 20 06:02:14.9, 0.6, 6.89S; 0.05S; 154.69E; 0.05, h16km, 3km, h17km; pP-P, 6n73, c128/28/606, mb5.2/176, MS4.8/76, 16C-9D, Bougainville-Solomon Islands region

Table with columns: WRO, IAMB, IAMB, 06 07 36.4, and various numerical values. Includes entries like WBO, WBR, WRS, ARMA, etc.

Table with columns: TIA, pmax, pmax, 06 07 23.4, and various numerical values. Includes entries like TIA, TIA, TIA, TBI, etc.

Table with columns: Code, Station Name, Time, Res, and various numerical values. Includes entries like RABL, HNR, PMG, etc.

20d 6h

Table with columns for station name, elevation, and various data points. Includes stations like BT0, TNCH, LZH, and many others.

2019 MAY

Table with columns for station name, elevation, and various data points. Includes stations like L14K, L14K, N15K, M15K, O16K, Q17K, R18K, L15K, J14K, J14K, N16K, O17K, Q18K, K15K, K15K, M16K, M16K, L16K, N17K, N17K, K17K, K17K, K17K, M17K, M17K, N18K, N18K, F14K, L17K, J16K, J16K, Q20K, G15K, O19K, P19K, K17K, K17K, I17K, M18K, F15K, J17K, L18K, L18K, WMQ, WMQ, WMQ, WMQ, WMQ, WMQ, G16K, G16K, HOM, HYB, M19K, L19K, L19K, TTA, H17K, BRSE, J18K, G17K, M20K, L20K, H18K, F17K, J19K, J19K, SEW, GCSA, K20K, C16K, E17K, SKT, SUA, G18K, D17K, TIXI, TIXI, TIXI, RC01, F18K, PPLA.

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Table with columns for station name, elevation, and various data points. Includes stations like J20K, J20K, H19K, E18K, P23K, C17K, CAST, PWL, PWL, I20K, G19K, PMR, PMR, PMR, F19K, H20K, SML, SML, GLI, C18K, TRF, BPAW, E19K, SCM, B18K, F20K, I21K, H21K, H21K, RND, KAIM, D19K, KLU, KLU, MCK, MCK, C19K, C19K, G21K, G21K, M24K, BMRM, BMRM, E20K, H22K, NEA2, NEA2, F21K, F21K, D20K, N25K, N25K, I23K, HARP, CRQE, PAX, G22K, H23K, H23K, QSPA, QSPA, COLA, COLA, COLA, MK31, MKAR, MKAR, MKAR, MESA, F22K, HDA, E21K, MCARA, MCARA, K24K, K24K, MAKZ, MAKZ, B20K, G23K, G23K, IL31, ILAR, ILAR, ILAR.

Table with columns for station name, coordinates, and various data points. Includes stations like OBN, MNSK, AKASG, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like RJOB, BUG, KBA, MYKA, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like GYA, GYA, GYA, etc.

Table with columns for station ID, name, coordinates, elevation, and various performance metrics. Includes stations like KAPI Kappang, GUMI Guam, CN2 Changchun, etc.

Table with columns for station ID, name, coordinates, elevation, and various performance metrics. Includes stations like ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns for station ID, name, coordinates, elevation, and various performance metrics. Includes stations like M14K Bethel, RDOG Red Dog Mine, G16K Koyuk River, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like HFS Hagfors, NC405 NORSAR Array S, Q32M Nakina River, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ILAR Eielson Array, NVAR Mira Array, CPUP Villa Florida, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like TNTI Ternate, SANI Sanana, KKM Kota Kinabalu, etc.

20d 6h

Table with columns: BZ2K, Teshekpu Lake, 83.89, 20, P, Iamb, P, 07 04 13.5 +1.5, 07 04 55.0

SOME 20 06:58:50.7, 37:52N:72:07E, h10km

MOS 20 06:58:53.0, 5:0.9, 36:32N:71:40E, h99km, mb4.4/21, Error

ellipse: s-maj=6.7km s-min=3.7km az=82.4

IDC 20 06:58:54.9, 1.1, 36:23N:71:43E, h102km, gkm, mb4.1/25,

mbtmp4.5/29, MS4, 1/2, Error ellipse: s-maj=14.4km

s-min=10.6km az=20.0

BUI 20 06:58:55.1, 36:60N:71:32E, h106km, mb4.8/2, mb4.7/20

NMC 20 06:58:55.3, 4.0, 36:84N:70:87E, h0km, mb5.2, mpv5.0,

Error ellipse: s-maj=32.1km s-min=23.5km az=164.0

NEIC 20 06:58:55.1, 1.4, 36:34N:06:71:24E, h0km, h101km, 7km,

mb4.4/51, Error ellipse: s-maj=9.9km s-min=8.4km

az=93.0

ISC 20 06:58:54.7, 4.0, 36:29N:0:04:71:30E, h0km, n263,

r163/274, mb4.4/78, 16C-15D, Afghanistan-Tajikistan

border region

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

2019 MAY

Table with columns: TNS5, Tian-Shan, 8.02, 31, eP, Pn, 07 00 48.1 -0.7, 07 00 49.6 -1.0

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Table with columns: SONM, Songino Array, 28.26, 55, P, P, 07 04 38.4 0.0, 07 04 38.7 +0.2

Table of seismic data for stations MJAR through WRA, including station name, time, and magnitude.

IDC 20 07:31:35.5±0.2, 6.5±0.2, 129.71E, h0km, mb4.1/1, mbtmp4.2/4, ML4.2/3, MS3.1/1, Error ellipse: s-maj=88.9km s-min=28.5km az=76.0

NEIC 20 07:31:51.4±1.7, 6.9±0.3, 129.57E±0.1, h147km, 11km, mb4.1/2, Error ellipse: s-maj=16.5km s-min=6.2km az=86.0

ISC 20 07:31:50.5±0.8, 7.0±0.2, 129.67E±0.1, h150km, n18, az=39/18, Banda Sea

Table of seismic data for stations SAUKI through WRA, including station name, time, and magnitude.

Table of seismic data for stations WRR, AS31 through ABKAR, including station name, time, and magnitude.

IDC 20 07:34:05.0±1.0, 17.96±0.6, 168.21E, h0km, mb4.2/9, mbtmp4.2/10, ML4.0/1, MS3.7/23, Error ellipse: s-maj=32.0km s-min=21.8km az=131.0

NEIC 20 07:34:11.6±1.3, 18.2±0.0, 168.16E±0.1, h10km, 1km, mb4.6/16, Error ellipse: s-maj=23.7km s-min=15.7km az=325.0

ISC 20 07:34:10.6±0.7, 18.0±0.0, 168.16E±0.1, h32km, n65, az=150/44, mb4.5/18, MS3.7/20, Vanuatu Islands

Table of seismic data for stations Code through STKA, including station name, time, and magnitude.

Table of seismic data for stations JAY through FITZ, including station name, time, and magnitude.

IDC 20 08:14:56.6±0.7, 9.6±0.0, 126.23E, h0km, mb4.2/14, mbtmp4.2/16, ML3.7/2, MS3.4/7, Error ellipse: s-maj=37.1km s-min=14.4km az=67.0

NEIC 20 08:14:57.8±2.2, 10.1±0.0, 126.26E±0.0, h10km, 2km, mb4.6/15, Error ellipse: s-maj=17.9km s-min=5.4km az=131.0

ISC 20 08:15:02.4±0.6, 9.9±0.0, 126.27E±0.1, h42km, n43, az=193/37, mb4.3/23, MS3.5/6, Mindanao

Table of seismic data for stations Code through PDAR, including station name, time, and magnitude.

Table of seismic data for stations TXAR through ESDC, including station name, time, and magnitude.

IDC 20 07:54:56.3±3.4, 5.3±0.1, n-76J, h0km, mbtmp2.5/2, ML2.5/2, Error ellipse: s-maj=34.2km s-min=17.9km az=55.0

ASRS 20 07:54:55.0±0.0, 5.3±0.1, n-76J, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table of seismic data for stations I46RU through MKAR, including station name, time, and magnitude.

IDC 20 07:56:22.4±3.3, 5.3±0.1, n-76J, h0km, mbtmp2.6/2, ML2.5/2, Error ellipse: s-maj=30.5km s-min=19.7km az=55.0

ASRS 20 07:56:21.0±1.4, 5.3±0.1, n-76J, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table of seismic data for stations I46RU through KURBB, including station name, time, and magnitude.

NOU 20 08:14:57.8, 30.7/45:121.22E, h0km, MLv4.1/9, Western Australia

AUST 20 08:14:58.6±0.3, 3.1±0.3, 129.57E±0.1, h10km, mb3.8/4, ML3.1/8, Error ellipse: s-maj=9.6km s-min=4.6km az=4.8

ISC 20 08:14:57.7±0.9, 30.7/15:125.25E±0.05, h10km, n25, az=153/27, Western Australia

Table of seismic data for stations Code through MULG, including station name, time, and magnitude.

IDC 20 08:14:56.6±0.7, 9.6±0.0, 126.23E, h0km, mb4.2/14, mbtmp4.2/16, ML3.7/2, MS3.4/7, Error ellipse: s-maj=37.1km s-min=14.4km az=67.0

NEIC 20 08:14:57.8±2.2, 10.1±0.0, 126.26E±0.0, h10km, 2km, mb4.6/15, Error ellipse: s-maj=17.9km s-min=5.4km az=131.0

ISC 20 08:15:02.4±0.6, 9.9±0.0, 126.27E±0.1, h42km, n43, az=193/37, mb4.3/23, MS3.5/6, Mindanao

Table of seismic data for stations Code through WRA, including station name, time, and magnitude.

ASAR Alice Springs 50.12 127 P P 09 32 19.3 -0.1
H04N2 CROZET ISLANDS 62.99 210 T T 10 42 59.6
H04N1 CROZET ISLANDS 60.0 210 T T 10 42 59.7
H04N3 CROZET ISLANDS 63.01 210 T T 10 42 58.5

GCG 20 09:24:28.2±2.5, 15.31°N-91.94°W, h0km, 20km, MD4.5
MEX 20 09:24:28.5±0.8, 15.27°N-91.93°W, h10km, MD3.9
CATAC 20 09:24:29.8±0.5, 15.13°N-91.92°W, h1km, M3.7/1.1,
MLv3.7/1.1, Error ellipse: s-maj=7.8km s-min=5.4km
az=123.5, confirmed

ISC 20 09:24:27.0±1.0, 15.33°N-0.03°W, 0.02, h13km±8km,
n40, r158/60, Mexico-Guatemala border region

Code Station Name Δ° AZ° Phase ID Time Res
PAVE Pavencul 0.29 243 Op P 09 24 33.0 0.0
PAVE Pavencul 0.29 243 Op P 09 24 37.2 -0.3
CHUU Union Juarez 0.30 220 Op P 09 24 33.6 +0.1

IDC 20 09:25:04.3±3.8, 53.63°N-88.03°E, h0km, mbtmp2.8/2,
ML2.5/2, Error ellipse: s-maj=37.6km s-min=20.5km
az=49.0

ASRS 20 09:25:01.0±1.3, 53.63°N-87.97°E, h0km, M2.4, The
earthquakes of Russia in 2019. Obninsk, GS RAS, 214
p+CD-ROM, 2021. Southwestern Siberia

Code Station Name Δ° AZ° Phase ID Time Res
H46RU ZALESOVO INFRA 1.90 281 Op P 09 25 37.0 0.4
ZALV Zalesovo Beam 1.90 281 Pn P 09 25 38.6 +1.3
ZALV Zalesovo 1.90 281 Pn P 09 26 05.2 0.2

IDC 20 09:27:31.1±0.5, 7.63°N-37.36°W, h0km, mb4.2/24,
mbtmp4.2/26, ML4.1/2, MS4.0/60, Error ellipse:
s-maj=15.7km s-min=12.1km az=140.0

NEIC 20 09:27:33.1±1.6, 7.6°N-37.3°W, h0km, 10km, 1km,
mb4.8/54, Error ellipse: s-maj=18.0km s-min=13.0km
az=166.0

INMG 20 09:27:33.0±3.1, 7.63°N-37.59°W, h10km, M4.8, mb4.7,
Ms4.1, #DIST_RANGE: DISTANT

GCMT 20 09:27:36.1±0.2, 7.73°N-37.44°W, h15km, 1km,
M4.9, 9109, Moment Tensor Solution:
s109.0164; Dur: 0.0; Moment tensor: Scale 1016Nm;
Mw=0.46±0.09; Mw0.22±0.09; Mw0.24±0.07; Mw=0.10±0.18;
Mw=2.7±0.10; Mw=0.50±0.17; Best double couple:
M2.77500x1016 Np1±0.270.00000°, δ80.00000°,
-1.79.00000°. NP2±0.180.00000°, δ89.00000°,
-1.0.00000°. Principal axes: T 3.0140, Plg7.0000°.
Azm225.0000°; N -0.4780, Plg30.0000°, Azm357.0000°;
P -2.5360, Plg8.0000°, Azm118.0000°; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

ISC 20 09:27:32.4±0.3, 7.58°N-37.37°W, h11km, n202,
r158/139, mb4.7/50, MS4.0/59, Central Mid-Atlantic
Ridge

Code Station Name Δ° AZ° Phase ID Time Res
NBCL Cascavel-CE 11.76 185 eP Pn 09 30 21.8 +1.5
NBEP Pedra Branca-C 13.22 190 eP Pn 09 30 41.2 +0.9

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ITTB Haitiaba 21.83 238 eP P 09 32 23.8 -1.4
NPGB Novo Progresso 23.09 231 eP P 09 32 37.8 -0.6
JANB Januaria 23.17 197 eP P 09 32 42.9 +0.1

AMBA Amambai (Braz) 34.88 209 eP P 09 34 25.7 +1.6
PTBG Pitanga 35.15 204 eP P 09 34 28.8 +2.3

AMBA Amambai (Braz) 34.88 209 eP P 09 34 25.7 +1.6
PTBG Pitanga 35.15 204 eP P 09 34 28.8 +2.3

Code Station Name Δ° AZ° Phase ID Time Res
H46RU ZALESOVO INFRA 1.90 281 Op P 09 25 37.0 0.4
ZALV Zalesovo Beam 1.90 281 Pn P 09 25 38.6 +1.3

IDC 20 09:27:31.1±0.5, 7.63°N-37.36°W, h0km, mb4.2/24,
mbtmp4.2/26, ML4.1/2, MS4.0/60, Error ellipse:
s-maj=15.7km s-min=12.1km az=140.0

NEIC 20 09:27:33.1±1.6, 7.6°N-37.3°W, h0km, 10km, 1km,
mb4.8/54, Error ellipse: s-maj=18.0km s-min=13.0km
az=166.0

INMG 20 09:27:33.0±3.1, 7.63°N-37.59°W, h10km, M4.8, mb4.7,
Ms4.1, #DIST_RANGE: DISTANT

GCMT 20 09:27:36.1±0.2, 7.73°N-37.44°W, h15km, 1km,
M4.9, 9109, Moment Tensor Solution:
s109.0164; Dur: 0.0; Moment tensor: Scale 1016Nm;
Mw=0.46±0.09; Mw0.22±0.09; Mw0.24±0.07; Mw=0.10±0.18;
Mw=2.7±0.10; Mw=0.50±0.17; Best double couple:
M2.77500x1016 Np1±0.270.00000°, δ80.00000°,
-1.79.00000°. NP2±0.180.00000°, δ89.00000°,
-1.0.00000°. Principal axes: T 3.0140, Plg7.0000°.
Azm225.0000°; N -0.4780, Plg30.0000°, Azm357.0000°;
P -2.5360, Plg8.0000°, Azm118.0000°; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

ISC 20 09:27:32.4±0.3, 7.58°N-37.37°W, h11km, n202,
r158/139, mb4.7/50, MS4.0/59, Central Mid-Atlantic
Ridge

Code Station Name Δ° AZ° Phase ID Time Res
NBCL Cascavel-CE 11.76 185 eP Pn 09 30 21.8 +1.5
NBEP Pedra Branca-C 13.22 190 eP Pn 09 30 41.2 +0.9

20d 9h

MTE comp=Z,1.2nm,0.7s Iamb Iamb 09 35 26.7
MTE Manteigas 42.15 34 eP P 09 35 25.9 +0.8
MTE comp=Z,18nm,1.5s Iamb Iamb 09 35 53.9
MTE MTE eLR LR 09 46 49.7

20d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Preston Nutter, Blindstream Ca, Jabal Al Asfar, etc.

IDD 20 09:38:43.4.1.1.54:83N.164:66E, h0km, mb3.5/6, mbtmp3.5/7, ML2.5/1, Error ellipse: s-maj=41.6km s-min=20.2km az=154.0

KRSC 20 09:38:43.4.1.1.54:72N.164:70E, h40km, mb3.7, mb3.7

ISC 20 09:38:46.0.6.54:76N.164:74E, h0.0km, m46, m125/45, mb3.5/6, Komandorsky Islands region

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

2019 MAY

ML2.7/2, Error ellipse: s-maj=28.2km s-min=19.4km az=49.0

ASRS 20 09:45:34.0.1.2.54:21N-87:06E, h0km, M2.8, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like I46RU, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR.

IDD 20 10:03:29.9.2.0.39:72S.176:09E, h0km, mb4.0/2, mbtmp3.9/3, ML3.1/1, Error ellipse: s-maj=48.7km s-min=13.4km az=130.0

NEIC 20 10:03:36.1.1.1.39:67S.176:29E, h35km, 2km, mb4.4/9, Error ellipse: s-maj=9.8km s-min=5.9km az=107.0

WEL 20 10:03:36.2.0.2.40:52.2x17.6Ez, h26km, 3km, M4.1/30, ML4.4/30, MLV4.1/30, Error ellipse: s-maj=3.6km s-min=3.0km az=102.3, confirmed

NOU 20 10:03:36.1.1.39:65S.176:29E, h31km, MLV3.9/11, North Island, New Zealand

WEL 20 10:03:36.2.39:65S.176:18E, h44km, ML4.0, Mw3.9, Moment Tensor Solution, 85 Moment tensor: Scale 1014 Nm; Mn=-8.32; Mw=5.60; Mw2=7.2; Mw1=1.21; Mw3=3.28; Mw0.35; Fault plane solution: M8.13000:1014 NP1: 0.63.00000, 0.48.00000, -0.8.00000. NP2: 0.231.00000, 0.42.00000, -0.99.00000. Principal axes: T=7.7870, Plg3.00000, Azm147.00000; N=0.6790, Plg6.00000, Azm237.00000; P=-8.4660, Plg83.00000, Azm30.00000

Stations used: BKZ WHVZ OTVZ RATZ HIZ NORMAL

FAU/TING ISC 20 10:03:36.1.0.9.39:67S.176:29E, h34km, 2km, n113, r104/124, mb4.37, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KRHZ, KRHZ, PUKENU, PUKENU, MNGS, MNGS, KWHZ, KWHZ, MOVZ, MOVZ, etc.

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

IDD 20 11:57:5.4.1.1.59:36N.28:43E, h0km, mbtmp2.0/1, ML1.0/1, Error ellipse: s-maj=43.8km s-min=25.9km az=63.0, Baltic States-Belarus-Northern Russia

FINES Fines Array B 2.39 332 P Pn 10 12 39.3 +1.5

FINES 0.1nm, 0.3s, baz=149, slow=16, SNR=5.1

I43RU DUBNA INFRASON 5.37 116 I I 10 50 44.3

I37NO 10.62 341 I I 11 12 00.0

I26DE FREYUNG INFRAS13.58 226 I I 11 34 00.0

IDD 20 10:18:04.2.1.9.52:96N.172:60W, h169km, 16km, mb3.8/13, mbtmp4.3/15, Error ellipse: s-maj=20.7km s-min=11.4km az=175.0

NEIC 20 10:18:04.3.2.5.52:8N.0:1.172:5W.0:1.1, h167km, 9km, mb4.5/23, ML4.2(AEIC), Error ellipse: s-maj=16.1km s-min=8.1km az=163.0

AEIC 20 10:18:04.2.5.0.53:08N.0:09:172:51W.0:10, h137km, 7km, Error ellipse: s-maj=14.2km s-min=7.6km az=160.0

ISC 20 10:18:02.5.0.5.52:83N.0:09:172:43W.0:04, h150km, n477, r142/393, mb4.5/86, Andean/Andean Islands

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

Table with 5 columns: ID, Name, Date, Time, Status. Rows include 1K13K Kusilvak Mount, M15K Kasigluk River, P16K Nushagak River, CHIR Chirikof Island, L15K Ungalak Mounta, N16K Nishituk Lake, Q17K Contact Creek, P17K Kvichak River, O17K Koliganek Bris, GAMB Gambell, J14K Nanvaranak Lak, M16K Timber Creek, M16K Timber Creek, ACHA Angle Creek He, K15K Wolf Creek Mou, SII Sitkinak Island, R18K Karluk, L16K Owhat River, N17K Nushagak Hills, Q18K Katmai Hardscr, P18K Big Mountain, M17K Holitna River, OHAH Old Harbor, O18K Koktuh Hills, N18K Kilian Creek, L17K Donlin, Q19K Cape Douglas, J16K Anvik River, ANM Nome, KDAK Kodiak Island, KDAK Kodiak Island, O19K Port Alsworth, K17K Iditarod, M18K Stony River, L18K Granite Mounta, N19K Bonanza Creek, P19K Oil Pt, I17K Unalakleet, Q20K Shuyak Island, J17K VABM Dome, G15K Niukluk, H16K Elim, TNA Tin City, F14K Arctic Creek, L19K White Mountain, M19K Big River Lodg, TTA Tatalina, HOM Homer, J18K Innoko River, F15K North Star Dit, G16K Koyuk River, H17K Granite Mounta, M20K Styx River, SPCR Spurr Chakacha, L20K Farewell, AK, BRSE Bradley Lake S, G17K Kivalik Mounta, CAPN Captain Cook N, J19K Poorman, K20K Telida, H18K Honhosa River, GCSA Galena City Sc, SKT Skwentna, SUA Susitna One, SEW Seward, O22K Cooper Landing, PPLA Purkeypille, F17K Baldwin Pennin, J20K Nowinta River, G18K Taggawik, RC01 Rabbit Creek A, M22K Willow, CAST Castle Rocks, H19K Roundabout Mou

Table with 5 columns: ID, Name, Date, Time, Status. Rows include I20K Naaghedeneel, CUT Chulitna, F18K Selawik, CHUM Lake Minchumim, E17K Hotham Inlet, PMR Palmer, PWL Port Wells, PWL Port Wells, G19K Purcell Mounta, GHO Glory Hole Cre, H20K Anotieneega Mo, KNK Knik Glacier, P23K Montague Isan, D17K Noatak River, TRF Thorofare Moun, TRF Thorofare Moun, SML Sawmill, SML Sawmill, E18K Tukpahlearik C, F19K Sharrucik Mo, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, GLI Glacier Island, M23K Glacier View, I21K Tanana, SCM Sheep Creek Mo, H21K Melozitna River, H21K Melozitna River, RND Redstone River, C17K Delong Mountai, MCK McKinley, MCK McKinley, E19K Redstone River, F20K Avaraat Lake, EYAK Cordova Ski Ar, G21K Allakaket, DIV Divide, KLU Klutina, C18K Utukok River, NEA2 Nenana, M24K Tolsona, Glenn, H22K Ishalintna Cre, KAIM Kayak Island, I23K Minto, Yukon-K, WRH Wood River Hill, BMRM Bremner River, D19K Kuna River, F21K Alatina River, CCB Clear Creek Bu, E20K Nigu River, N25K Chitina, Valde, N25K Chitina, Valde, B18K Koklik River, H23K Yukon River, H23K Yukon River, COLA College, PET Petropavlovsk, C19K Paxon, PAX Paxon, G22K Bettles, HDA Harding Lake, D20K Chuk River, K24K Donnelly Dome, ILAR Elieson Array, ILAR Elieson Array, F22K Joln River, G23K Bananza Creek, G23K Bananza Creek, CROE Cirque, H24K Noodor Dome, H24K Noodor Dome, PETK Petropavlovsk, E21K Killik River

Table with 5 columns: ID, Name, Date, Time, Status. Rows include E21K Killik River, MCARA McCarthy VSAT, RIDG Independent Ri, COLD Coldfoot, MENT Mentasta, A19K Wainwright, MESA MESA, E22K Anaktuvuk Pass, DOT Dot Lake, M26K Nabesna, AK, M26K Nabesna, AK, L26K Log Cabin Wild, C21K Knifeblade Rid, BILL Bilibino, SCRK Sand Creek, G24K Hadweenzic Riv, G24K Hadweenzic Riv, PRP Porcupine Dome, PRP Porcupine Dome, D22K Ayikyak River, D22K Ayikyak River, B20K Meade River, CTG Chitna Glacier, B21K Ipkipuk River, B21K Ipkipuk River, M27K Edge Creek, AK, M27K Edge Creek, AK, E23K Chandalar, J26L Joseph Creek, H25L Birch Creek, F24K Squaw Lake, L27K Beaver Creek, L27K Beaver Creek, BCAR Beaver Creek A, G25K Bearman Lake, E24K Your Creek, E24K Your Creek, D23K Nanushuk River, D23K Nanushuk River, O28M Mount Upton, O28M Mount Upton, TOLK Toolik Lake Re, FYU Fort Yukon, K27K Chicken, BVCY Beaver Creek, YUK3 Moose Creek, I26K Coal Creek Min, YUK8 Steele Glacier, B22K Teshekpuk Lake, B22K Teshekpuk Lake, F25K Christian River, D24K Happy Valley, D24K Happy Valley, C23K Itkillik River, C23K Itkillik River, A22K Sinclair Lake, BMAR Buzut Mountain, G26K Porcupine Riv, G26K Porcupine Riv, O29M Mount Kennedy, E25K Arctic Village, E25K Arctic Village, YUK4 Talbot Arm, I27K Kandik River, YUK6 Outpost Mounta, C24K Franklin Bluff, C24K Franklin Bluff, F26K Sheenjek River, F26K Sheenjek River, P29M Windy Craggy, P29M Windy Craggy, M29M Somme Creek, M29M Somme Creek, H27K Steibost Moun, H27K Steibost Moun, DAWY Dawson, DAWY Dawson, HYT Haines Junctio, D25K Kavik River, G27K Doyon Strip, I28M Miner Creek, I28M Miner Creek, L29M L29M

20d 10h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like L29M, P30M, N30M, etc.

2019 MAY

Main table listing station call signs, frequencies, and technical parameters. Includes stations like HLID, BOZ, NVAR, ELK, etc.

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Table listing station call signs, frequencies, and technical parameters. Includes stations like NADR, DR08, ABDR, etc.

SJA 20 10:20:46.7, 0.7, 22:33S:66:12W, h273km, 5km, ML 4.0, MW3.8

GUC 20 10:20:48.4, 0.6, 22:38S:66:26W, h262km, 5km, ML 4.5

ISC 20 10:20:47.3, 2.4, 22:43S:06:66:25W, 0.08, h265km, 18km, n37, r153/53, 4C-3D, Jujuy Province

Table with columns for Code, Station Name, Frequency, Power, and other technical details. Includes stations like YJA, YVA, YJY, etc.

Table with columns for code, station name, coordinates, and other data. Includes stations like AC01 Pan de Azucar, CYA Choyo, and AACL CERRO LA CRUZ.

Table with columns for code, station name, coordinates, and other data. Includes stations like CHN3 Shinhua, CHN1 Nanshi, WTP Ta-pu, and SNST Tainan City.

Table with columns for code, station name, coordinates, and other data. Includes stations like K04D comp=N,35nm,3.8s, K04D comp=E,35nm,4.3s, and BUCK Peak Mountain.

IDC 20 10:25:44.5-6.1, 21:155x169:59E, h0km, mb3.5/2, mbmp3.5/3, ML2.9/1, Error ellipse: s-maj=280.1km

NOU 20 10:25:54.9, 21:195x169:02E, h0km, MLv3.6/6, Southeast of Loyalty Islands

Table listing stations in the Southeast of Loyalty Islands region, including PINNC, DZM, and WRA.

IDC 20 11:17:47.2, 3.4, 16:225x172:83W, h0km, mb3.5/4, mbmp2.9/3.4, Error ellipse: s-maj=181.4km

Table listing stations in the Samoa Islands region, including WRA, PDAR, and ILAR.

SGS 20 10:37:16.9, 25:24N-37.78E, h6km, M10.1, Western Arabian Peninsula

Table listing stations in the Western Arabian Peninsula region, including LNY14, LNY15, and LNY16.

NEIC 20 11:15:41.9, 1.7, 40:49N-0:04:125:4W, 0.1, h18km, 10km, Error ellipse: s-maj=11.6km

Table listing stations in the NEIC region, including KCTM, KCTM, and PETL.

VAO 20 11:18:23.0, 0.4, 31:325x70:10W, h10km, mb5.5, SJA 20 11:18:23.0, 0.4, 31:468x70:50W, h123km, 4km, MLL5.6, MW5.4

Table listing stations in the VAO region, including WRA, PDAR, and ILAR.

IDC 20 10:49:49.1, 1.4, 5:29S-152:27E, h0km, mb3.8/6, mbmp3.8/7, ML 1.9/1, Error ellipse: s-maj=67.7km

Table listing stations in the IDC region, including PMG, WRA, and ASAR.

NECDC 20 11:15:44.4, 1.6, 40:44N-0:04:125:29W, 0.05, h24km, 6km, MLL3.0/10.1, ML2.9/56(NIC), Error ellipse: s-maj=6.8km

Table listing stations in the NECDC region, including KCTM, KCTM, and PETL.

GCMT 20 11:18:33.1, 0.2, 31:149x5.0:02:70:08W, 0.03, h114km, 1km, h114km, 1km, h114km, 1km

Table listing stations in the GCMT region, including RTLS, CO03, and CO02.

ISG 20 10:49:55.1, 1.3, 5:30S-0:3:152:3E, 0.3, h40km, n8, c0574/9, mb3.6/6, New Britain region

Table listing stations in the ISG region, including PMG, WRA, and ASAR.

NEIC 20 11:15:44.4, 1.6, 40:44N-0:04:125:29W, 0.05, h24km, 6km, MLL3.0/10.1, ML2.9/56(NIC), Error ellipse: s-maj=6.8km

Table listing stations in the NEIC region, including KCTM, KCTM, and PETL.

GCMT 20 11:18:33.1, 0.2, 31:149x5.0:02:70:08W, 0.03, h114km, 1km, h114km, 1km, h114km, 1km

Table listing stations in the GCMT region, including RTLS, CO03, and CO02.

TAP 20 10:50:25.6, 21:72N-121.03E, h15km, ML3.7, D JMA 20 10:50:26.2, 0.3, 22:1N-121:1E, h9km, TAIWAN

Table listing stations in the TAP and JMA regions, including TSEB, TSEB, and TSEB.

NEIC 20 11:15:44.4, 1.6, 40:44N-0:04:125:29W, 0.05, h24km, 6km, MLL3.0/10.1, ML2.9/56(NIC), Error ellipse: s-maj=6.8km

Table listing stations in the NEIC region, including KCTM, KCTM, and PETL.

GCMT 20 11:18:33.1, 0.2, 31:149x5.0:02:70:08W, 0.03, h114km, 1km, h114km, 1km, h114km, 1km

Table listing stations in the GCMT region, including RTLS, CO03, and CO02.

20d 11h

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1144

Table with columns: Call Sign, Name, Frequency, Mode, Power, and Date/Time. Includes stations like CO01, AC01, CO06, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and Date/Time. Includes stations like BO01, AC02, ED03, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and Date/Time. Includes stations like BOAB, BELA, MTO3, etc.

20d 11h

Table with columns: YKd, Yellowknife Arr, 100.23 341 P, Pdif, 11 32 05.2 -0.4, etc. Lists various stations and their coordinates and signal quality.

Table with columns: YAK, Yakutsk, 146.87 343 ePKP2, PKPbc, 11 38 01.0 -0.3, etc. Lists various stations and their coordinates and signal quality.

Table with columns: HHC, HHC, comp=Z,96nm,16.8s, LR, LR, 1146. Lists station names and coordinates.

Table with columns: WEL, WEL, 20.11:24.01.1-0.8, 34°S, 117°W, 2°2', h437km, 14km, etc. Lists station names and coordinates.

Table with columns: IDC, IDC, 20.11:36:39.2, 0.54, 83N, 164.97E, h0km, mb3.4/3, etc. Lists station names and coordinates.

comp=Z,0.2nm,0.5s,baz=299,slow=4.8,SNR=4.1
comp=Z,0.2nm,0.5s

BEO 20 11:39:28.6,0.9,41.68N,19.67E,h2km,4km,ML2,1/4
PDG 20 11:39:29.6,0.3,41.81N,19.72E,h10km,1km,ML2,4/11,
Error ellipse: s-maj=1.2km s-min=1.3km az=0
TIR 20 11:39:30.1,41.86N,19.64E,h13km,1km,ML2,6/2,ML2,5/2
RHSSO 20 11:39:30.9,0.41,79N,19.70E,h5km,2km,ML2,3/6
ISC 20 11:39:30.2,1.1,41.81N,0.03,19.71E,0.02,h8km,9km,
n44,α097/75,βC-13D,Albania

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for Albania, Montenegro, and other regions.

ICD 20 11:41:53.8,82.0,31.27N,31.94E,h0km,Error ellipse:
s-maj=270.0km s-min=199.8km az=170.0, Egypt

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for Egypt and other regions.

ICD 20 11:54:15.8,15.0,0.09S,125.99E,h0km,mb3.6/3,
mbtmp3.6/3,Error ellipse: s-maj=232.4km
s-min=151.0km az=161.0,Southern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for various regions.

ICD 20 12:12:42.0,3.0,68.15N,33.36E,h0km,mbtmp2.9/2,
ML2,3/2,Error ellipse: s-maj=32.1km s-min=11.7km
az=66.0
KOLA 20 12:12:43.0,68.10N,33.24E,h0km,ML1.9,Error ellipse:
s-maj=2.8km s-min=1.4km az=90.0,Olenegorsk City,
Mines
ISC 20 12:12:40.7,0.9,68.07N,0.03,33.30E,0.05,h0km,n12,

091/18, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for Baltic States, Belarus, and Northwestern Russia.

NNC 20 12:10:25.8,4.0,36.96N,70.70E,h0km,mb4.0,mpv3.6,
2C-1D,Error ellipse: s-maj=38.1km s-min=30.1km
az=73.0,Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for various regions.

ICD 20 12:26:43.9,4.8,20.76S,169.21E,h0km,mb3.2/2,
mbtmp3.2/3,ML2,8/1,Error ellipse: s-maj=198.8km
s-min=29.8km az=145.0,Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for Vanuatu Islands and other regions.

BEO 20 12:38:13.0,0.3,44.41N,21.96E,h0km,ML4.0/5,5C-4D,
Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for Northwestern Balkan Peninsula.

ICD 20 12:41:23.1,4.8,59.33N,28.62E,h0km,mbtmp1.9/1,
ML1.1/1,Error ellipse: s-maj=48.4km s-min=30.0km
az=60.0,Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for various regions.

DJA 20 12:55:08.6,1.2,6.5S,107.2E,h13km,5km,ML4.0/7,
mB4.9/1,mB4.5/3,MLV3.7/7,mm(B)4.2/1
ICD 20 12:55:10.5,6.6,4.42S,102.24E,h0km,mb3.5/4,
mbtmp3.5/4,Error ellipse: s-maj=330.7km s-min=25.7km
az=52.0

ISC 20 12:55:07.8,2.0,5.8S,102.10E,0.1,h29km,n13,
α164/8,mb3.5/4,Southwest of Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for various regions.

KRSC 20 12:58:18.4,1.9,52.09N,169.74E,h25km,76km,MI4.1,
South of Aleutian Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for South of Aleutian Islands.

Table with columns: Code, Station Name, Time, Res, ISC, h, m, s, ISC. Contains station data for various regions.

SDD 20 13:12:01.7,0.8,18.10N,68.31W,h91km,9km,MD2.8,
ML2.2,MV3.0
RSPR 20 13:12:01.5,18.20N,68.27W,h86km,9km,MD2.6/5
NEIC 20 13:12:01.5,0.5,18.1N,0.2,68.28W,0.07,h77km,16km,
ML2.3/14,MD2.6/5(RSPR),Error ellipse: s-maj=24.1km
s-min=7.5km az=194.0
ISC 20 13:12:00.2,2.1,18.1N,0.2,68.29W,0.07,h90km,17km,
n34,α065/38,7C-1D,Monna Passage

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for various regions.

LSP Las Mesas 1.15 86fP Pn 13 12 20.2 -1.5
LSP Las Mesas 1.15 86fP Pn 13 12 20.2 -1.5
LSP Las Mesas 1.15 86fP Pn 13 12 20.2 -1.5
AGPR Aguadilla, PR 1.18 72 I IAML 13 13 07.7

AGPR comp=E,65nm,2.2s 13 13 09.4
MLPR comp=N,83nm,3.0s 13 12 25.5 +0.3
MLPR Maguaysen Island 1.19 96fP Pn 13 12 27.6 -1.1
DR12 Loma Pena Alta 1.24 303 Pn Pn 13 12 28.8 0.0
HATOM Hato Mayor del 1.24 303 Pn Pn 13 12 28.8 0.0

SMWR Samana, DR 1.45 324 eSg Pn 13 12 39.3 -0.4
AOPR Arcebio Observ 1.48 81 eSg Pn 13 12 52.5 -0.2
AOPR Arcebio Observ 1.48 81 I IAML 13 12 51.1

AOPR comp=N,53nm,0.3s 13 12 51.1
AOPR Arcebio Observ 1.48 81 eSg Pn 13 12 26.9 +1.1
AOPR Arcebio Observ 1.48 81 eSg Pn 13 12 47.7 -0.4
AOPR Arcebio Observ 1.48 81 eSg Pn 13 12 51.0

comp=N,51nm,0.2s 13 12 26.2 +0.5
AOPR Arcebio Observ 1.48 81 eSg Pn 13 12 45.5 -0.6
UUPR Utuado, UPR, P. 1.50 84 Pn 13 12 26.5 +0.6
UUPR 13 12 50.9

comp=N,111nm,0.3s 13 12 28.0 +0.7
OBIP Obispo Ponce 1.60 92 I IAML 13 13 20.3
OBIP Obispo Ponce 1.60 92 I IAML 13 13 20.3

OBIP Obispo Ponce 1.60 92fP Pn 13 12 28.0 +0.7
CEL P Cerrillos 1.63 91 Pn 13 12 28.1 +0.5
CEL P Cerrillos 1.63 91 I IAML 13 12 51.9

Cerrillos 1.63 91fP Pn 13 12 28.1 +0.5
CEL P Cerrillos 1.63 91 eSg Pn 13 12 48.4 0.0
ECPR Experimental S 1.84 83 eSg Pn 13 12 56.2 +0.4
ECPR Experimental S 1.84 83 eSg Pn 13 12 58.2 -0.6

ICD 20 13:18:14.7,1.3,11.44N,85.35W,h152km,34km,mb3.2/5,
mbtmp3.6/5,Error ellipse: s-maj=79.9km s-min=31.3km
az=28.0

UCR 20 13:18:15.6,1.4,11.31N,85.77W,h153km,3km,MMW4.2
CATAC 20 13:18:16.9,0.4,11.1N,2.8.6W,h144km,9km,ML3,7/25,
MLV3,7/25,Error ellipse: s-maj=6.7km s-min=2.6km
az=49.1,confirmed

SNET 20 13:18:22.1,0.7,11.14N,86.23W,h36km,655km,ML3.9
ISC 20 13:18:15.5,0.8,11.29N,0.04,85.72W,0.04,h158km,5km,
n156,α1905/204,mb3.6/5,46C-15D,Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Contains station data for various regions.

Table with columns: Station Name, Elevation (m), Azimuth (°), Range (km), and other parameters. Includes stations like NICO, COPN, JTS, JMS, etc.

Table with columns: Code, Station Name, Elevation (m), Azimuth (°), Range (km), and other parameters. Includes stations like PPLA, KTH, TRF, etc.

Table with columns: Station Name, Elevation (m), Azimuth (°), Range (km), and other parameters. Includes stations like PWL, SKLK, K24K, PAX, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like M27K, H17K, FYU, SYI, F22K, WAX, O16K, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FITZ, WBO, WRA, WR8, AS31, RABL, MORW, etc.

IDC 20 13:50:48.5, 9.4, 40.35N:142.60E, h0km, mb3.6/4, mbmp3.6/5, ML3.1/1, Error ellipse: s-maj=237.5km

JMA 20 13:51:20.0, 1.0, 42.55N:0.4, 141.1E:0.5, h125km, M12.5/32, BU7.1/9.0, REIG5.0

ISC 20 13:51:19.7, 1.0, 42.45N:0.08, 141.12E:0.05, h131km, 7km, n19, <0.39/25, mb3.5/4, Hokkaido region

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

BOOM Booms koye usch 56.68 307 P P 14 16 02.9 +1.2

B22K Teshkepkuk Lake 59.36 20 P P 14 16 07.0 +1.4

C23K Ikkilik River 60.14 21 P P 14 16 12.1 +1.1

ILAR Eielson Array 60.54 27 P P 14 16 13.8 -0.1

SCRK Sand Creek 61.70 29 P P 14 16 22.4 +0.5

BVAR Borovoye Array 61.95 319 P P 14 16 24.0 +0.4

KKAR Kananak array 62.60 308 P P 14 16 28.9 +0.7

I30M Mount Dempster 65.02 27 P P 14 16 44.4 +0.5

G31M Satah River 65.83 25 P P 14 16 49.9 +1.0

ABKAR Akbulak array 68.91 316 P P 14 17 10.2 +1.5

YKA Yellowknife Arr 74.96 28 P P 14 17 45.0 +0.4

DJA 20 14:12:36.1, 0.7, 31N:7.12E, h537km, 8km, M4.2/18, mb4.9/17, mb4.3/12, ML4.3/18, Mw(MB)4.1/7

NEIC 20 14:12:37.9, 0.9, 31N:0.1, 123.0E:0.2, h521km, 11km, mb4.2/22, Error ellipse: s-maj=25.9km s-min=14.9km az=48.0

IDC 20 14:12:39.0, 7.1, 3.06N:122.96E, h539km, 102km, mb3.1/8, mbmp4.0/8, Error ellipse: s-maj=145.4km s-min=20.4km az=66.0

ISC 20 14:12:36.4, 0.6, 310N:0.08, 122.93E:0.10, h500km, n54, <141/54, mb4.0/19, Celebes Sea

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

NEIC 20 14:15:34.0, 0.5, 18.85N:0.03, 155.13W:0.03, h10km, 2km, Error ellipse: s-maj=6.1km s-min=3.1km az=323.0

HVO 20 14:15:34.9, 0.5, 18.87N:0.03, 155.15W:0.03, h12km, 10km, ML2.5/24, ML2.6/40(NEIC), Error ellipse: s-maj=5.8km s-min=1.8km az=144.0, Hawaiian Islands

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

IDC 20 14:36:36.7, 7.5, 31.05N:179.43W, h179km, 56km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PEL, CO02, MT05, MT10, MT01, MT14, MT09, MT16, MT03, FCH, CO03, MT04, BO04, MT13, MT13, MT08, LMEL, BO01, GO04, RTLS, CO05, BO02, ARCO, AAGR, CO01, CO01, CO01, DOCA, ZON, AROD, ACCO, AVIZ, ML02, ACHE.

IDC 20 17:16:40.0, 10.0, 24.21S, 179.95W, h470km, 93km, mb2.7/3, mbmp3.7/4, Error ellipse: s-maj=88.8km s-min=24.5km az=45.0

ISC 20 17:16:44.1, 1.8, 24.4S, 0.1x179.9E, 0.3, h517km, n6, a1502.9, mb3.3/3, South of Fiji Islands

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

IDC 20 17:24:20.5, 4.8, 12.40S, 166.78E, h176km, 44km, mb3.4/8, mbmp3.8/9, Error ellipse: s-maj=31.8km s-min=26.5km az=143.0

ISC 20 17:24:24.9, 0.8, 12.62S, 0.09, 166.8E, 0.2, h220km, n11, a11511/14, mb3.6/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM, DZM, WRA, ASAR, ASAR, GSPA, ILAR, NVAR, TIXI, MKAR, KURBB, ARCES, ESDC, ESDC.

NEIC 20 17:32:29.7, 2.1, 4.1, 75N, 0.02, 108.72W, 0.02, h0km, 1km, ML3.0/82, Error ellipse: s-maj=3.9km s-min=2.8km az=14.0

IDC 20 17:32:33.2, 1.8, 4.2, 08N, 108.45W, h0km, mb2.7/1, mbmp3.2/3, ML2.5/2, MS2.9/1, Error ellipse: s-maj=14.6km s-min=11.7km az=1.0

ISC 20 17:32:28.8, 0.9, 4.1, 75N, 0.04, 108.66W, 0.07, h0km, n33, a0595/18, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BW06, BW06, BW06, PD31, PDAR, PDAR, PDAR, RDMU, RDMU, Q20A, Q20A, Q20A, K22A, BSUT, BSUT, AHID, AHID, AHID, TCUT, HWUT, HWUT, HWUT, JLU, JLU, JLU, P18A, P18A, P18A, MPU, MPU, H17A, H17A, H17A, SRU, ISCO, ISCO, HVU, TMUT, YFT, YFT, YMP, YMP, YMP, RLME, RLME, YLW, Q16A, DUG, DUG, YHB, YHB, YHL, YHL, Q24A, Q24A, Q24A, MVU, MVU, PSUT, PSUT, NVAR, NVAR, ULM, ULM, YKA, YKA.

MOS 20 17:40:40.8, 1.3, 37.78N, 21.06E, h9km, mb4.4/13, Error ellipse: s-maj=8.8km s-min=5.0km az=75.1

IDC 20 17:40:40.7, 0.7, 37.82N, 21.19E, h0km, mb4.1/20, mbmp4.0/32, ML3.7/9, MS3.2/23, Error ellipse: s-maj=13.3km s-min=12.3km az=36.0

PDG 20 17:40:41.0, 0.6, 37.76N, 20.95E, h8km, 1km, ML4.0/11, Error ellipse: s-maj=0.9km s-min=1.0km az=0.0, THE 20 17:40:42.3, 3.8, 1.1, 21.0E, 0.7, h0km, M3.8/29, ML3.8/29, UPSL 20 17:40:42.9, 3.7, 7.9N, 21.04E, h6km, Mw3.9, Moment Tensor Solution, s8 Moment tensor: Mr=0.22; Mw=9.74; Ms=9.52; Mv=1.48; Mv=1.61; Ms=3.79; Fault plane solution: NP1: 319.00000, 84.00000, -1.21.00000; NP2: 351.00000, 86.90000, -1.174.00000; NEIC 20 17:40:42.1, 2.5, 37.74N, 0.04, 21.03E, 0.06, h1km, 5km, mb4.4/22, Error ellipse: s-maj=8.4km s-min=2.8km az=53.0, ATH 20 17:40:43.1, 3.7, 80.2N, 21.01E, h7km, 1km, ML4.0/36, Manual Solution by D.Makarits First location: 2019/05/20 17:41:36, This location: 2020/09/29 13:40:39 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 0 km; Longitude uncertainty: 0 km, MCSM 20 17:40:44.9, 0.4, 38.1N, 4.2, 1E, h10km, mb4.0, mB4.7, MLv4.2, Mw(mB)3.9, NAO 20 17:40:49.4, 3.9, 0.9N, 24.05E, h10km, mb4.3, ISC 20 17:40:42.1, 0.8, 37.78N, 0.02, 21.01E, 0.01, h10km, 4km, n374, a1800/402, mb4.2/37, MS3.3/18, 40C-14D, Southern Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CLEM, KYPS, LTHK, LTHK, LTHK, LCHa, ORTH, ORTH, KATAK, KTLO, ANDM, RTZL, RTZL, YRMI, YRMI, RLS, RLS, RLS, PSDA, PSDA, PSDA, AXS, AXS, VLS, VLS, VLS, KRES, KRES, SMHA, SMHA, DRO, DRO, DRO, ZARO, ZARO, AMT, DMLN, DMLN, DMLN, FSK, PATC, UPR, UPR, EVGI, EVGI, EVGI, PVO, PVO, PVO, ITM, ITM, ITM, ITM, EFP, EFP, EFP, NYDR, NYDR, NYDR, DRAG, DRAG, SERG, LKD2, LKD2, LKD2, PVL, PVL, PVL, KALE, KALE, KALE, KALE, TSJK, TSJK, ANX, ANX, AMPL, AMPL, AMPL, VLV, VLV, EVR, EVR, EVR, MAKR, MAKR, MAKR, LTK, LTK, LTK, TETR, TETR, AGG, AGG, AGG, AGG, AXAR, AXAR, KRND, KRND, KRND, LKR, LKR, IGT, IGT, IGT, VIL2, VIL2, VIL2, VLI, VLI, VLI, METS, METS, THL, THL, KEK, KEK, TYRN, TYRN, TYRN, TYRN, ATHU, ATHU, VLY, VLY, PTL, PTL, PTL, NEO, NEO, DION, DION, DION, KYMI, KYMI, KYMI, LIT, LIT.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like LIT, AOS, ANKY, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like MYKA, RONA, BRIU, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like SHAI, KIV, KVAR, etc.

Table with columns: MKAR, MAKANCHI Array, 45.18 58 P, P, 17 48 57.9 -1.1, comp=2.0,8nm,0.4s,baz=277,slow=7.2,SNR=14

RSNC 20 17:48:32.0-0.7N:1x7.3W:1, h145km, 1km, M2.9, mb3.4, mB5.1, ML2.7, Mw(MB)4.4

IDC 20 17:48:34.1-5.3, 6.26N:75.91W, h130km-67km, mb2.9/1, mbmp3.4/2, Error ellipse: s-maj=202.8km s-min=52.5km az=57.0

ISC 20 17:48:32.3-1.0, 6.85N:0.03:73.14W:0.04, h150km, n37, c1866/70, Northern Colombia

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

IDC 20 17:48:37.5-2.6, 34.76N:137.66E, h157km, 39km, mb2.8/3, mbmp3.2/3, MS2.9/1, Error ellipse: s-maj=63.8km s-min=25.2km az=56.0

JMA 20 17:48:39.5-0.3, 35.1N:1x13.9E:1, h190km, 2km, MV2.8/18, HAKONE REGION

ISC 20 17:48:38.0-1.0, 35.21N:0.08:138.8E:0.1, h200km, 8km, n13, c40560/16, mb2.7/3, Eastern Honshu

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

Table with columns: JYJ Shinob, 0.36 323 eP, Pn, 17 49 05.3 +0.6, comp=2.0,8nm,0.4s,baz=277,slow=7.2,SNR=14

SNET 20 17:50:04.0-2.1, 12.68N:88.14W, h31km, 6km, ML3.2, CATEC 20 17:50:02.6-0.4, 13.1N:83.8W:1, h33km, 4km, M3.2/23, ML3.2/23, 3C-6D, Error ellipse: s-maj=6.8km s-min=2.0km az=23.7, confirmed, Off coast of central America

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

RANC El Ranchito, 0.89 344 eP, Pn, 17 50 19.0 +0.1, RANC El Ranchito, 0.89 344 P, Pn, 17 50 19.1 +0.2

ISC 20 18:00:03.4-0.5, 2N:4.12E:1, h10km, M3.7/12, mB5.3/2, mb3.8/4, MLv3.6/12, Mw(MB)4.7/2, Minahassa Peninsula, Sulawesi

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

GCG 20 18:05:58.9-2.8, 16.03N:93.61W, h104km, 26km, MD4.3, MEX 20 18:06:00.9-1.0, 15.91N:93.61W, h113km, 10km, MD4.4

ISC 20 18:05:58.0-1.2, 15.99N:0.03:93.57W:0.03, h125km, 8km, n46, c241/85, Near coast of Chiapas

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

CGG 20 18:05:58.9-2.8, 16.03N:93.61W, h104km, 26km, MD4.3, MEX 20 18:06:00.9-1.0, 15.91N:93.61W, h113km, 10km, MD4.4

ISC 20 18:05:58.0-1.2, 15.99N:0.03:93.57W:0.03, h125km, 8km, n46, c241/85, Near coast of Chiapas

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

Table with columns: CCG Comitan, 1.41 78 iP, Pn, 18 06 26.1 +1.1, CCG Comitan, 1.41 78 iS, Pn, 18 06 45.6 +0.1

NEIC 20 18:21:45.5-2.0, 43.77N:106.105:27W:0.07, h0km, 1km, ML3.4/57, Error ellipse: s-maj=10.1km s-min=8.2km az=27.0

IDC 20 18:21:47.0-2.0, 44.00N:105.69W, h0km, mb3.7/2, mbmp3.4/7, ML3.2/5, MS2.7/2, Error ellipse: s-maj=65.6km s-min=9.4km az=144.0

ISC 20 18:21:46.1-0.8, 43.83N:0.06:105.32W:0.05, h0km, n36, c1944/23, Wyoming

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

2019 MAY

2019 MAY

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Rows include stations like Yuchr, Dajia District, Yu-li, Yuli, Taichung, etc.

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

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Rows include stations like NWAO, STKA, PALK, PETK, etc.

20d 19h

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, h, m, s, ISC. Includes stations like CHMG Chimgan, CHMI Chimion, CHRV Charvak, etc.

BGR 20 19:54:46.8, 20:29:25:176:71W, h33km
NEIC 20 19:55:45.9, 1:17:38S:0:1x177:3W:0.1, h536km, 7km, mb4.4/117, Error ellipse: s-maj=20.9km s-min=15.3km az=126.0

IDC 20 19:55:47.7, 1:17:38S:0:1x177:3W:0.1, h552km, 10km, mb3.6/16, mbtmp4.5/18, Error ellipse: s-maj=12.5km s-min=10.2km az=134.0

NOU 20 19:56:38.5, 17:80S:179:96W, h198km, MLV3.8/4, Fiji Islands Region

ISC 20 19:55:46.6, 0.4, 19:75S:0:07:177:33W:0.07, h550km, n271, r1904/240, mb4.4/74, 17C-14D, Fiji Islands region

Main station list table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, h, m, s, ISC. Lists stations from DGTI Dogotuki to ASAR Alice Springs.

2019 MAY

Main station list table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, h, m, s, ISC. Lists stations from ASAR comp=Z, 1.7nm, 0.5s, baz=100, slow=3.6, SNR=6.3 to I26K Coal Creek Min.

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Main station list table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, h, m, s, ISC. Lists stations from SNAA Sanae to WET Wetzal.

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

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

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

SJA 20 20:05:29.3, 0.6, 31.52S:70.03W, h123km, 2km, ML3.5, MW3.5

Code Station Name Azimuth Elevation Phase ID Time Res

WUS 20 06 03.8 +0.4 Iamb Iamb 20 41 58.6

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKASG Malin Array Be, IDI Anoyia, LSZ Lusaka, etc.

PN5N 20:35:56.8, 48°23'N, 124°35'W, h37km, MD2.5, Fault plane solution: NP1, phi, 135.00000°, 845.00000°, lambda, 0.00000°.

ISC 20:35:56.3, 1.2, 48.21N, 0.03, 124.37W, 0.07, h33km, 4km, Error ellipse: s-maj=6.9km s-min=4.4km az=68.0.

ISC 20:35:56.0, 0.7, 48.23N, 0.02, 124.35W, 0.05, h37km, 3km, ML2.5/15, ML2.3/10(NEIC), Error ellipse: s-maj=5.2km s-min=3.3km az=97.0.

NEIC 20:35:56.3, 0.9, 48.21N, 0.03, 124.37W, 0.07, h33km, 4km, Error ellipse: s-maj=6.9km s-min=4.4km az=68.0.

PGC 20:35:56.0, 0.7, 48.22N, 124.39W, h35km, ML2, 1/20, 36km south of Port Renfrew, Bc Vancouver Island, Canada Region.

ISC 20:35:56.3, 1.2, 48.21N, 0.03, 124.38W, 0.03, h35km, n64, #060/83, Vancouver Island region.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OTR Olympics-Tyee, OTR Olym-Cheeka Pk, P403 Sandy Floe Qua, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like B927 Port Alberni, PABB Port Alberni, B012 Ucluelet, etc.

JMA 20:20:39.56, 9.0, 32°N, 12°E, h385km, MV3.4/45, FAR S OFF TOKAI DISTRICT.

ISC 20:39:56.0, 0.9, 32°25'N, 138°22'E, h359km, 11km, mb3.2/11, mbtmp3.9/16, Error ellipse: s-maj=27.2km s-min=17.1km az=62.0.

ISC 20:39:55.9, 0.7, 32°10'N, 0°07', h350km, n33, #265/35, mb3.3/11, Southeast of Honshu.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHJ Hachijo jima 2, JHU Hachijo jima 2, JHN Hachijo jima 2, etc.

ISC 20:56:56.5, 1.8, 11°23'N, 92°6'E, h0km, mb3.7/5, mbtmp3.8/6, ML4.1/1, Error ellipse: s-maj=64.5km s-min=20.2km az=62.0.

ISC 20:57:02.6, 1.5, 11°4N, 0°1', h93.0E, h35km, n12, #102/7, mb4.15, Andaman Islands region.

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

ISC 20:21:14:50.4, 2.0, 9°28'N, 125°99'E, h105km, 20km, mb3.6/14, mbtmp3.9/15, MS2.8/7, Error ellipse: s-maj=31.2km s-min=13.8km az=75.0.

ISC 20:21:14:50.0, 0.6, 9°28'N, 126°1'E, 0.1, h100km, n44, #0567/41, mb4.2/25, Mindanao.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAV Davao City (W), DAV Davao City (E), DAV Davao City (S), etc.

DJA 20:21:26:16.0, 0.3, 10°S, 3°12'E, h51km, 8km, M3.9/13, mb5.4/2, mb4.1/2, MLV3.8/13, Mw(mb)4.9/2, Sumba.

20d 22h

HVO 20 22:41:54.8,0.9,19.426N,0.007:155.614W,0.01, h-3km,8km, ML2.8/4.2,ML2.8/3.0(NEIC), Error ellipse: s-maj=1.4km s-min=0.1km az=101.0

NEIC 20 22:41:55.7,0.7,19.419N,0.007:155.608W,0.006, h5km,1km, Error ellipse: s-maj=3.0km s-min=1.3km az=276.0, Hawaiian Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like MWH, MLOA, ALEP, etc. with their respective coordinates and seismic data.

HVO 20 22:50:38.5,0.9,19.426N,0.007:155.614W,0.005, h-1km,8km, ML2.8/4.2,ML2.8/3.0(NEIC), Error ellipse: s-maj=1.2km s-min=0.5km az=207.0

NEIC 20 22:50:38.9,0.8,19.428N,0.008:155.613W,0.008, h5km,1km, Error ellipse: s-maj=2.6km s-min=1.4km az=262.0, Hawaiian Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like MWH, MLOA, ALEP, etc. with their respective coordinates and seismic data.

20d 22:55:19.9,0.7,33.33S,0.06:127.34E,0.05,h42km,n22, c#262/27,mb4.0/5,Seram

mB4.9/2,mb4.1/9,MLv4.0/18,Mw(mB)4.2/2,MwMwp5.3/1, Mwp5.5/1

IDC 20 22:52:23.4,5.8,3.33S,127.40E,h90km,55km,mb3.6/5, mbmp3.9/8,ML3.9/8,MS3.2/1, Error ellipse: s-maj=49.7km s-min=14.2km az=50.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like NLAI, AAI, AAI, etc. with their respective coordinates and seismic data.

THE 20 22:55:57.9,37.8N,0.9E,1.1E,0.6,h2km,1km,M3.4/21, MLh3.4/21

ATH 20 22:55:57.6,37.78N,21.01E,h19km,ML3.7/27, Manual Solution by M.Charalampakis First location: 2019/05/20 22:56:53, This location: 2021/05/18 06:35:06 ML

BEQ 20 22:56:00.3,0.7,37.88N,21.16E,h0km,ML3.4/3, IDC 20 22:56:02.2,1.3,37.80N,21.01E,h48km,17km,mb3.5/11, mbmp3.5/21,ML3.2/8,MS2.9/7, Error ellipse: s-maj=18.0km s-min=11.4km az=28.0

ISC 20 22:55:58.9,0.7,37.80N,0.02:21.04E,0.01,h18km,2km, n157,±163/185,mb3.8/11,MS3.0/11,MS3.0/4D,Southern Greece

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like CLEM, KYPS, LTHK, etc. with their respective coordinates and seismic data.

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Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like PVL, TSKL, TSKL, etc. with their respective coordinates and seismic data.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BORAG Borarganes, BVAR Borovoye Array, SPITS Spitsbergen Arr, KURBB Kurchatov Arra, MKAR Makanchi Array, ZALV Zalesovo Beam, YKA Yellowknife Ar.

NEIC 20 23:17:36.8±2.0, 18.6S±0.1x175.3W±0.1, h237km, 13km, mb4.3/25, Error ellipse: s-maj=16.5km s-min=13.9km az=175.0

ISC 20 23:17:42.6±4.1, 19.16S±175.73W, h257km, 29km, mb3.7/5, mbmp4.4/7, Error ellipse: s-maj=40.5km s-min=21.3km az=60.0

ISC 20 23:17:37.2±0.8, 18.9S±0.2x175.29W±0.07, h231km, n39, a18/141, mb4.1/14, Tonga Islands

Main table for station 1163, listing various stations like NIUE Niue, AFI Afiamalu, MSFV Nonsavu, MINCV Pines Island, DZM Mont Dzumac, etc.

ISC 20 23:36:49.3±2.7, 18.126N±39.78E, h0km, mb3.5/5, mbmp3.5/5, MS2.8/5, Error ellipse: s-maj=69.4km s-min=30.0km az=155.0

ISC 20 23:36:50.7±2.5, 18.3N±0.4x39.8E±0.3, h10km, n10, a05/41/6, mb3.4/5, MS3.0/3, Red Sea

Table for station 1163, listing stations like EIL Elat, ASF Jabal al Asfar, BRTR Keskin Array B, GNI Garni, TORO Torodi Ar. Bea, AAK Ala-Archa, BVAR Borovoye Array, KURBB Kurchatov Arra, MKAR Makanchi Array, ZALV Zalesovo Beam.

SDD 20 23:50:16.5±2.5, 20.14N±70.58W, h31km, 29km, MD3.0, ML2.6, MW3.1

OSPL 20 23:50:24.3±2.5, 19.90N±71.15W, h9km, 99km, ML2.2

ISC 20 23:50:18.0±1.2, 19.88N±0.05x70.49W±0.04, h14km±10km, n12, c11/19, 14C, Dominican Republic region

Table for station 1164, listing stations like LUUR Luperon, SC01 Santiago de los Caballeros, NADR Nagua, ABDR Alto Bandera, SDDR Presa de Saban, etc.

HLW 20 23:51:40.6±7.2, 27.72N±34.41E, h24km, Md2.1, M15.2

SGS 20 23:51:41.8±7.2, 27.76N±34.49E, h15km, M12.5

ISC 20 23:51:39.8±1.0, 27.75N±0.04x34.45E±0.03, h12km, n27, a07/9/28, Red Sea

Table for station 1165, listing stations like TR1 Trilobite, RSHS RSHS, KRABS KRABS, AYUS Ayunah, etc.

NEIC 21 00:01:08.5±1.2, 24.98S±0.04x179.9W±0.2, h515km±11km, mb4.4/18, Error ellipse: s-maj=21.1km s-min=5.8km az=95.0

ISC 21 00:01:11.0±1.9, 24.87S±179.73E, h517km, 20km, mb3.4/4, mbmp4.3/7, Error ellipse: s-maj=26.7km s-min=22.0km az=163.0

ISC 21 00:01:07.8±0.7, 24.90S±0.09x180.0E±0.1, h501km, n32, a19/0/32, mb4.3/13, South Fiji Islands

Table for station 1166, listing stations like MSFV Nonsavu, NIUE Niue, DZM Mont Dzumac, URZ Urewera, etc.

ISC 21 00:52:35.8±0.8, 53.838N±168.60E, h60km±33km, MI3.8, Komandorskiy Islands region

Table for station 1167, listing stations like MKZ Mys Kozlov, SDR Sedlovina, KRER Koryakskii, AVH Avacha, etc.

ISC 21 00:58:05.7±4.4, 36.85N±71.77E, h96km, 36km, mb3.4/10, mbmp3.8/16, MS2.8/2, Error ellipse: s-maj=29.7km s-min=20.5km az=20.0

NINC 21 00:58:13.1±1.8, 37.38N±71.58E, h123km±35km, mb3.6, mpv4.3, Error ellipse: s-maj=16.3km s-min=12.9km az=36.0

ISC 21 00:58:07.6±0.9, 37.05N±0.08x71.86E±0.1, h106km, n46, a1983/49, mb3.5/10, SC-9D, Afghanistan-Tajikistan border region

ISC 21 00:05:09.2±3.7, 13.56N±145.80E, h112km±24km, mb3.6/7, mbmp3.9/7, Error ellipse: s-maj=142.6km s-min=45.1km az=3.0

ISC 21 00:05:09.2±3.0, 13.9N±0.4x145.9E±0.3, h100km, n14, a05/0/9, mb3.9/7, Mariana Islands

Table for station 1168, listing stations like GUMO Guam, H1S1 WAKE ISLAND Hy 20.49, H1S1 WAKE ISLAND Hy 20.50, etc.

ISC 21 00:05:42.7±1.0, 4.68S±153.26E, h0km, mb3.9/9, mbmp3.9/9, MS2.9/3, Error ellipse: s-maj=34.1km s-min=23.3km az=87.0

ISC 21 00:05:48.3±0.6, 4.75S±0.1x153.0E±0.1, h35km, n16, a15/11, mb3.7/9, New Ireland region

Table for station 1169, listing stations like PMG Port Moresby, DZM Mont Dzumac, WRA Warrungunga Arr, H1S3 WAKE ISLAND Hy 26.54, etc.

ISC 21 00:01:08.5±1.2, 24.98S±0.04x179.9W±0.2, h515km±11km, mb4.4/18, Error ellipse: s-maj=21.1km s-min=5.8km az=95.0

ISC 21 00:01:11.0±1.9, 24.87S±179.73E, h517km, 20km, mb3.4/4, mbmp4.3/7, Error ellipse: s-maj=26.7km s-min=22.0km az=163.0

ISC 21 00:01:07.8±0.7, 24.90S±0.09x180.0E±0.1, h501km, n32, a19/0/32, mb4.3/13, South Fiji Islands

Table for station 1170, listing stations like NIUE Niue, DZM Mont Dzumac, URZ Urewera, etc.

ISC 21 00:52:35.8±0.8, 53.838N±168.60E, h60km±33km, MI3.8, Komandorskiy Islands region

Table for station 1171, listing stations like MKZ Mys Kozlov, SDR Sedlovina, KRER Koryakskii, AVH Avacha, etc.

ISC 21 00:58:05.7±4.4, 36.85N±71.77E, h96km, 36km, mb3.4/10, mbmp3.8/16, MS2.8/2, Error ellipse: s-maj=29.7km s-min=20.5km az=20.0

NINC 21 00:58:13.1±1.8, 37.38N±71.58E, h123km±35km, mb3.6, mpv4.3, Error ellipse: s-maj=16.3km s-min=12.9km az=36.0

ISC 21 00:58:07.6±0.9, 37.05N±0.08x71.86E±0.1, h106km, n46, a1983/49, mb3.5/10, SC-9D, Afghanistan-Tajikistan border region

21d 2h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like DGS Degeres, MTBS Maitebe, TNS5 Tian-Shan, etc.

1DC 21 00:58:46.0±1.2, 11.35Sx166.48E, h0km, mb3.9/7, mbmp3.9/7, MS3.1/6, Error ellipse: s-maj=42.3km s-min=28.3km az=130.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, PMG Port Moresby, H1S2 WAKE ISLAND Hy, etc.

1DC 21 01:01:51.2±1.6, 2.43N-125.22E, h0km, mb3.7/5, mbmp3.7/5, Error ellipse: s-maj=135.0km s-min=19.5km az=68.0, Talaud Islands

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

1DC 21 01:14:23.6±0.8, 16.29N-122.30E, h0km, mb3.8/12, mbmp3.8/13, ML4.3/1, MS3.2/5, Error ellipse: s-maj=28.3km s-min=17.5km az=77.0

NEIC 21 01:14:28.5±2.0, 16.15N-122.42E±0.1, h35km, 1km, mb4.5/1, Error ellipse: s-maj=17.8km s-min=14.7km az=296.0

1DC 21 01:14:28.5±0.6, 16.11N-122.40E±0.1, h42km, n45, ±123/37, mb4.2/22, MS3.1/5, Luzon

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like TGY Tagaytay City, GUMO Guam, CMAR Chiang Mai Arr, etc.

1DC 21 01:20:06.0±8.1, 19.72Sx177.87W, h558km, 89km, mb3.0/5, mbmp4.0/6, Error ellipse: s-maj=52.2km s-min=36.2km

1DC 21 01:20:05.3±1.2, 19.72Sx177.90W±0.2, h550km, n11, ±0572/10, mb3.4/5, Fiji Islands region

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

NOU 21 01:21:11.6, 19.13S-169.90E, h12km, MLV4.1/2, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like INH Isangel, DVP Devils Point, VLAKA Lakatoro, etc.

DJA 21 01:25:41.7±1.0, 3°N-8°E±127E±1, h15km±12km, MS3/7, MLV3.5/7, Talaud Islands

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like SGGI Sangihe, KMSI Cibinong, SWI Sorong, etc.

1DC 21 01:42:23.4±2.2, 6.27S-129.20E, h0km, mb3.8/1, mbmp3.5/3, ML3.6/2, MS3.1/2, Error ellipse: s-maj=152.8km s-min=31.2km az=68.0, Banda Sea

NOU 21 02:06:58.1, 16.30S-167.27E, h29km, MLV4.0/12, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like VLAKA Lakatoro, DVP Devils Point, PVP Devils Point, etc.

SJA 21 02:16:28.1±0.7, 22.25Sx68.69W, h133km±4km, ML3.8, MW3.7

NEIC 21 02:16:28.9±1.1, 22.23Sx0.04±68.64W±0.06, h132km, 6km, mb4.2/6, ML3.7(GUC), Error ellipse: s-maj=8.7km s-min=5.9km az=63.0

GUC 21 02:16:30.4±0.8, 22.22Sx68.65W, h121km±4km, ML3.7

1DC 21 02:16:28.5±0.8, 22.23Sx0.03±68.66W±0.05, h130km, 6km, n56, ±124/85, 3C-30, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like PB09 IPOC Station P, AF01 San Pedro de A, etc.

1DC 21 02:16:28.5±0.8, 22.23Sx0.03±68.66W±0.05, h130km, 6km, n56, ±124/85, 3C-30, Northern Chile

1DC 21 02:16:28.5±0.8, 22.23Sx0.03±68.66W±0.05, h130km, 6km, n56, ±124/85, 3C-30, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like PB06 IPOC Station P, PB06 IPOC Station P, etc.

1DC 21 02:16:28.5±0.8, 22.23Sx0.03±68.66W±0.05, h130km, 6km, n56, ±124/85, 3C-30, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like PB10 IPOC Station P, PB10 IPOC Station P, etc.

1DC 21 02:16:28.5±0.8, 22.23Sx0.03±68.66W±0.05, h130km, 6km, n56, ±124/85, 3C-30, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like AC02 Maricunga, AC02 Maricunga, etc.

21d 3h

Table with columns: Code, Station Name, Az, Phase ID, Time, P, S, ISC, and various station identifiers like MDOK, DGS, CHMS, KOTS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, P, S, ISC, and various station identifiers like PMR, RC01, M22K, FIS, GHO, etc.

2019 MAY

Main table with columns: Station Name, Az, Phase ID, Time, P, S, ISC, and various station identifiers like GHO, SUA, SML, PWL, etc.

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Table with columns: Station Name, Az, Phase ID, Time, P, S, ISC, and various station identifiers like HMT, M18K, K24K, etc.

IDC 21 03:12:54.5 ± 1.6, 34N, 149.85W, h60km±15km, mb3.4/6, mbmp3.6/10, Error ellipse: s-maj=35.1km s-min=9.2km

NEIC 21 03:12:55.7 ± 1.3, 61.47N, 149.64W, h47km

NEIC 21 03:12:55.1 ± 1.3, 61.47N, 03:149.64W, 0.05, h49km±3km, Error ellipse: s-maj=3.9km s-min=3.1km az=153.0

Moment Tensor Solution. Moment tensor: Scale: 10^14Nm; Mn:0.60; Mw:4.64; Mz:0.40; Mxx:0.35; Mxy:1.42; Myx:2.13

Fault plane solution: Ms:0.80000x10^14 Np1:0.5658000°, 067.43000°, 12.29000°. NP2:0.3218000°, 87.86000°, 156.96000°. Principal axes: T:5.1937, Plg24.0000°, Azm277.0000°; N:-0.2360, Plg64.0000°, Azm117.0000°; P:-4.9577, Plg8.0000°, Azm11.0000°

AEIC 21 03:12:55.7 ± 1.2, 61.47N, 03:149.64W, 0.05, h47km±3km, ML3.6, ML3.9/226(NEIC), Mw3.7/50(NEIC) Error ellipse: s-maj=3.7km s-min=2.7km az=136.0

ISC 21 03:12:54.8 ± 0.8, 61.45N, 03:149.65W, 0.03, h55km±6km, n244, r0676/233, mb3.8/6, Southern Alaska

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like Melozitna Rive, H21K, CNTC, H24K, PRP, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like Kafar-mosalman, IBZA, SNQR, etc.

ICC 21 03:22:14.6±0.8, 59°71'N:153°42'W, h85km, 25km, mb3.4/4, mbtmp3.5/6, Error ellipse: s-maj=26.7km s-min=19.0km az=90.0

NEIC 21 03:22:14.7±0.9, 59°68'N:0°03:153°06'W:0.06, h105km, 2km, Error ellipse: s-maj=4.8km s-min=4.5km az=125.0

AEIC 21 03:22:15.8±1.0, 59°67'N:0°03:153°03'W:0.07, h100km, 4km, ML2.7, ML2.9/116(NEIC), Error ellipse: s-maj=4.9km s-min=4.4km az=111.0

ISC 21 03:22:14.6±0.8, 59°68'N:0°03:153°04'W:0.03, h108km, 8km, 125, ±0.84/122, mb3.7/4, Southern Alaska

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like P19K, P19K, ILS, AU22, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like P23K, GHO, GHO, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like N16K, L18K, L18K, etc.

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

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like M16K, HIN, FID, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like TTA, N15K, N15K, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like N15K, DIV, DIV, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like M15K, KLU, TRF, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like TRF, J16K, RAGG, etc.

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

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like HMT, J20K, M14K, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like M14K, M14K, N25K, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like N25K, WACK, GRIN, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like L14K, L14K, L14K, etc.

TEH 21 03:16:08.5, 33°64'N:45°49'E, h11km, 94km

ISN 21 03:16:13.3±0.5, 33°69'N:45°79'E, h22km, 24km, ML3.0

ISC 21 03:16:13.2±0.9, 33°75'N:0°04:45°73'E:0.04, h10km, n18, ±18/21, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like GLG1, IBDR, IBDR, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like ANCK, CNTC, O17K, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like O16K, P16K, P16K, etc.

ICC 21 03:45:10.5±0.4, 75°48'N:110°47'E, h0km, mb4.3/27, mbtmp4.3/32, ML5.5, MS3.6/40, Error ellipse: s-maj=10.6km s-min=9.2km az=14.0

MOS 21 03:45:10.7±1.2, 75°51'N:110°66'E, h12km, mb4.8/52, MS4.1/10, Error ellipse: s-maj=18.0km s-min=6.2km az=95.4

NEIC 21 03:45:11.9±1.6, 75°49'N:0°09:110°2E:0.3, h10km, 1km, mb4.8/308, Error ellipse: s-maj=15.6km s-min=12.5km az=163.0

FCIAR 21 03:45:12.0, 75°48'N:111°02'E, h10km, station SVZ has station magnitude of 4.0 station LSH has station magnitude of 5.0 station KLMR has station magnitude of 5.15

ISC 21 03:45:11.5±0.3, 75°51'N:110°47'E:0.03, h10km, n687, ±1866/585, mb4.8/244, MS3.9/68, 18C-19D, Near coast of northern Siberia

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

21d 3h

Table with columns: Station, Name, Time, Status, Direction, etc. Includes stations like ZF12, YAK, BOD, BILL, SEY, HOPEN, SPA0, SPB2, SPITS, KBS, HSPB, NOR, MA2, BJO1, VADS, ZEA, LSH, KEV, HAMF, CIT, ZAA0, ZALV, ARA0, ARCS, A19K, A21K, MOY, EUNU, B18K.

2019 MAY

Table with columns: Station, Name, Time, Status, Direction, etc. Includes stations like A22K, C16K, KTK1, JETT, B20K, DAG, C19K, ZAK, C18K, RDOG, B22K, D17K, B21K, MSF, SVE, D19K, HEH, HEH, D20K, D20K, C21K, TNA, E18K, E18K, E17K, C23K, C23K, E20K, NEEM, F14K, D22K, D22K, G22K, C24K, C24K, F15K, ARTI, E21K, F17K, E19K, E19K, D23K, D23K, KIRV, KIRV, BRVK, BRVK, BVAR, BVAR, F18K, STEI, D24K, D24K, OUL, OUL, DBG, DBG, C26K, F19K, F19K, ULN, ULN, KLR, KLR, E22K, E22K, EGRIP, EGRIP, TOLK, TOLK.

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Table with columns: Station, Name, Time, Status, Direction, etc. Includes stations like TOLK, G15K, SONM, SONM, D25K, D25K, KLMR, KLMR, KLMR, KLMR, KLMR, G16K, ANM, F20K, F20K, FAUS, KURK, KURK, C27K, C27K, C27K, KURBB, KURBB, G17K, F21K, F21K, F21K, F22K, G18K, G18K, G19K, E24K, H16K, H17K, H17K, G21K, A36M, D27M, D27M, COLD, G22K, PETK, PETK, H18K, E25K, H19K, F24K, MOR8, MOR8, MOR8, D28M, STOK, STOK, STOK, G23K, H20K, LEIR, LEIR, LEIR, LEIR, F25K, H17K, F26K, E28M, E28M, E27K, H21K, H21K, H22K, J14K, G24K, KULLO, KULLO, J16K, G25K, I20K, E29M, H23K, K13K, J17K, J17K, G26K, G26K, J19K, J19K, J19K, H24K.

Table with columns: Station Name, Altitude, Azimuth, Elevation, Date/Time, and other parameters. Rows include Birch Creek, Fines Array S, Fines Array B, Fines Array C, Wolf Creek Mou, etc.

Table with columns: Station Name, Altitude, Azimuth, Elevation, Date/Time, and other parameters. Rows include Timber Creek, Miner Creek, Holtina River, Changchun, Joseph Creek, etc.

Table with columns: Station Name, Altitude, Azimuth, Elevation, Date/Time, and other parameters. Rows include NORSAR Array B, NORSAR Array C, Knik Glacier, Nabesna, etc.

21d 3h

2019 MAY

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other flight details. Includes entries like AAK Ala-Archa, S14K Fog Glacier, R18K Karfulu, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other flight details. Includes entries like S34M Telegraph Cree, SIT Sitka, LYN LuoYang, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other flight details. Includes entries like KRUC Modra-Piesok, ZVC Zvikov, PSZ Piskzesteto, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Soneasca Array, Yreka Blue Hor, Fox Creek, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Tokmak 2, Ab31, IDC 21, NEIC 21, DJA 21, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like XilinHaoTe, Hu-ho-haoTe, Petropavlovsk, etc.

NNC 21 03:51:47.9.1.7, 36°35'N, 71°03'E, h189km, 35km, mb2.7, mpv3.6, 4C-3D, Error ellipse: s-maj=18.6km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Karatay Array, Ala-Archa, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Anvik River, Holitna River, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Tortoreto Alta, Senigallia, Monte Monaco, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SMA1, FRON Frontone, MPAG Monte Paganucc, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CAR1 CAROLEI, SIES MOA, MOA, etc.

NIED 21 05:08:01.6, 45.87N: 143.17E, h344km, MW4.0, Moment Tensor Solution. s2 Moment tensor: Scale 10^15Nm; Mn:0.17; Mo:0.42; M0:0.58; M1:0.36; M2:0.86; M3:0.59;

JMA 21 05:08:01.6: 0.2, 46°N 143.17E, h344km, 2km, MV3.9/36, NE OFF HOKKAIDO

SKHL 21 05:08:01.7: 0.4, 45.90N: 143.40E, h337km, 3km, mb4.1/4, IDC 21 05:08:02.3: 0.7, 46.05N: 143.04E, h330km, 8km, mb3.2/19, mbmp4.0/28, Error ellipse: s-maj=13.2km s-min=9.9km az=160.0

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like JSE Soyaes, JWJK Keihoku, YSS Yuzhno-Sakhali, etc.

Table with columns: BFDZ, Birch Farm, 9.74 198, P, Pn, 05 39 42.7 -1.8, etc.

IDC 21 06:33:01.9, 0.4, 41.140S:88.54W, h0km, mb.4/6/15, mblmp4.6/17, ML4.2/2, MS3.9/30, Error ellipse: s-maj=18.7km s-min=14.6km az=94.0

GCMT 21 06:33:04.2, 0.3, 41.145S:03:08:56W, 0.03, h10km, 11km, MV4.9/101, Moment Tensor Solution. s31, c39; s101, c137; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=2.63e+16; Mw=0.81e+10; Mw=1.82e+11; Mn=0.06e+34; Mw=1.19e+06; Mw=0.30e+27; Best double couple: M2, 63700x10^16 NP; M1, 142,000x10^16 NP; M3, 97,000x10^16 NP; M4, 331,000x10^16 NP; M5, 848,000x10^16 NP; M6, 84,000x10^16 NP; M7, 0.0410, P; M8, 299.0000, P; M9, 147.0000, P; M10, 2.6560, P; M11, 85.0000, P; M12, 299.0000, P; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 21 06:33:03.6, 0.3, 41.365S:06:88:60W, 0.05, h10km, n390, e1527/226, mb5.2/182, MS3.9/31, 3C-5D, West Chile Rise

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like H03S2, H03S1, H03S3, LL01, LR03, LL02, LR05, COYC, AY03, PLCA, etc.

Main station list table with columns: BDFB, Brasilia, 43.35 66, P, Pmax, 06 41 06.9 +0.8, etc. Includes stations like TEFE, SIND, FLOC, NPGS, SJMB, JANB, RIB01, ITTB, SDBA, ROSC, ROSC, VNA3, SMTB, VNA2, ITTB, QSPA, QSPA, PRPB, SNA3, SNA2, SNA1, SNA0, BOAV, BOAV, JTS, SDV, TBI, TBI, VNA4, VNA3, MTO3, TAOE, TAOE, NBPB, MDP, PPT2, PPT2, PPT2, PPT2, PPT2, PPT2, ELIB, ELIB, RCBR, RAR, RAR, SYO, SOR, SOR, SOR, ZAI3, ZAI3, RTZ, URZ, RPZ, MAW, MAW, 833A, DRI0, TXAR, TXAR, JX31, JCT, JCT, JCT, TIGA, ALPN, BRDY, 250A, 146A, 152A, SRG, LRAL, LRAL, ODSA, ABTX, ABTX, FW03, GOGA, GOGA, GOGA, WLAR, 319A, Y52A, POST, X48A, DKNS, JSC, MIAR, UALR, PLAL, PAULI

Main station list table with columns: X34A, comp=Z, 44nm, 1.3s, Smith Ranch, M, 76.06 352, I, Amb, I, Amb, 06 44 52.8, etc. Includes stations like TUC, TUC, SWET, W50A, WMOK, WMOK, WHAR, KMCS, KPCS, W57A, W59A, V48A, TKL, V53A, FCAR, LCAR, WVT, WVT, WVT, V55A, V58A, RLO, HHAR, U38A, TZNT, ANMO, ANMO, U56A, P3M, T42A, T50A, NOKA, MGMO, Y14A, X16A, BLYC, RTBA, S44A, SIUC, S51A, PFO, PFO, PFO, USIN, CCM, CCM, WCI, WCI, WCI, WUAP, R49A, R50A, T25A, OLIL, R32A, Q52A, MVCO, U15A, KSU1, CBKS, P48A, P40A, P51A, P53A, KSCO, KNB, Q9A, O48B, SFIN, HMU, O53A, N41A, N47A, TPNV, N49A, SUR, PRN, N53A, GRVC, MVAC, S11A

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Castle Valley, Gold Mountain, Pine Spring, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Lac du Bonnet, MREMI, STKA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Heihe, Hyderabad, ARTI, etc.

CATAC 21 06:46:23.9:0.7, 13°N,6°8'8W, h204km,4km, M2,7/17, MLv2,7/17, Error ellipse: s-maj=13.8km s-min=7.3km

GC 21 06:46:26.3:0.4, 13.28N,87.74W, h193km,9km, MD3.9

IS 21 06:46:24.1:2.8, 13.1N,0.1:87.59W,0.07,h205km,17km, 141, +06:64/46, CZ, Honduras

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CSGN, CNCH, CNCH, etc.

IDC 21 06:52:34.4:1.0, 21°18'N,102°23'E, h0km, mb3.6/7, mbmp3.6/9, ML3.7/2, MS3.9/3, Error ellipse: s-maj=32.5km s-min=12.5km az=34.0

ISC 21 06:52:41.0:0.9, 21°7'N,102°49.1'E, h56km, n11, +073/11, mb3.7/7, MS4.0/3, Myanmar

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BRDH, BRDH, BRDH, etc.

SOF 21 06:53:34.7, 41°19'N,0°13'23'E,0E,0, h9km,2km, MD2.5/6 SKO 21 06:53:35.1, 41°19'N,23°00'E, h18km, ML1.9

BEO 21 06:53:36.8-0.6, 42.03N-23.01E, h7km, 5km, ML1, 8/7
ISC 21 06:53:35.1-0.9, 41.97N-02.232E, 0.03, h9km, 7km,
n22, e-048/40, 4C, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Krupnik, Bosilegrad, Vitosha, Musomishta, Valandovo, etc.

OSPL 21 07:00:45.0-0.3, 18.54N-68.37W, h142km, 7km, ML2.4
SDD 21 07:00:46.0-0.8, 18.28N-68.46W, h120km, 11km, MD2.8,
ML2.2, MV2.4

RSRP 21 07:00:48.9, 18.31N-68.34W, h82km, 3km, MD2.6/9
NEIC 21 07:00:49.8-2.5, 18.2N-0.1-68.32W, 0.04, h35km, 2km,
ML2.2/2.0, MD2.6/2.9(RSPR), Error ellipse: s-maj=19.7km

ISC 21 07:00:48.6-1.5, 18.2N-0.1-68.39W, 0.04, h67km, 23km,
n43, c117/51, 12C-6D, Mona Phase ID

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Isla Desecheo, Las Mesas, Aguadilla, etc.

ASRS 21 07:01:11.0-1.1, 54.15N-86.45E, h0km, M2.5, The
earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p +
CD-ROM, 2021

ISC 21 07:01:12.0-2.9, 54.20N-86.67E, h0km, mbtmp2.8/2,
ML2.6/2, Error ellipse: s-maj=23.7km s-min=14.7km
az=58.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station I46RU ZALESOVO INFRA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

ISC 21 07:02:26.1-1.2, 8.62S-124.26E, h0km, mb3.8/3,
mbtmp3.9/6, ML4.0/3, MS3.2/4, Error ellipse:
s-maj=10.7km s-min=2.1, 1km az=62.0

NEIC 21 07:02:37.8-0.9, 9.1S-0.1-124.16E, 0.09, h122km, 8km,
mb4.2/8, Error ellipse: s-maj=17.7km s-min=9.1km
az=215.0

DJA 21 07:02:37.4-0.4, 9.5S-3.12E, h105km, 4km, M4.3/10,
mB5.0/2, mb4.3/4, MLV4.2/10, Mw(m)4.3/2

ISC 21 07:02:37.8-0.7, 9.00S-0.06-124.22E, 0.05, h114km, 8km,
n58, c177/66, mb4.0/6, Tiber

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations SOEI Soe, BATI Baumata, etc.

KAPI Kappang 5.95 311 LR
comp=2.51nm, 18.1s, baz=140, slow=38

PLAI Plampang 6.37 271 P
comp=1.31nm, 14.0s, baz=140, slow=38

DRS Darwin Rock St 7.40 118 P
MTN Manton Dam 7.79 120 P

JAGI Jajing, Banyuwa 9.97 272 Pn
JAGI Jajing, Banyuwa 9.97 272 Pn

FAKI Fak Fak 10.01 53 Pn
FAKI Fak Fak 10.01 53 Pn

WBD Warramunga Arr 14.54 139 Pn
WRA Warramunga Arr 14.63 139 Pn

WR8 Warramunga Arr 14.74 139 Pn
WRKA Warakuma 16.42 167 P

AS31 Alice Springs 17.28 149 P
ASAR Alice Springs 17.28 149 P

ASAR Alice Springs 17.28 149 P
ASAR Alice Springs 17.28 149 P

ASO1 Alice Springs 17.30 149 P
ASO1 Alice Springs 17.30 149 P

COEN Coen 19.21 107 P
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COEN Coen 19.21 107 P
COEN Coen 19.21 107 P

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations ROSA Rosalia, CONA Conrad Observa, etc.

MOS 21 07:18:58.6-1.2, 23.14S-66.73W, h199km, mb4.9/16,
Error ellipse: s-maj=12.7km s-min=7.0km az=101.5

SJA 21 07:18:58.4-0.6, 23.27S-66.74W, h223km, 5km, ML5.0,
MW4.6

NEIC 21 07:18:59.6, 23.23S-66.80W, h200km, Moment Tensor
Solution: D: 155 Moment tensor: Scale 10^19Nm;
Mr=2.05; Ms=0.53; Mw=2.58; Mb=0.48; Mw=0.31;
Mv=2.46; Fault plane solution: M3: 3.440000x10^16 NP1:
q=156.590000, s23.960000, t=119.090000, NP2: 3.7930000,
s29.220000, t=77.810000. Principal axes: T 3.6454,
Plg23.00000, Azm89.00000, N -0.4080, Plg11.00000,
Azm184.00000, P -3.2374, Plg64.00000, Azm298.00000;

NEIC 21 07:18:59.6, 23.13S-66.69W, h200km
NEIC 21 07:18:59.9, 2.1, 23.14S-0.06-66.69W, 0.09, h196km, 6km,
mb5.0/365, Mw=0.28, Mw4.9(GUC), Error ellipse:
s-maj=11.5km s-min=9.4km az=81.0

VAC 21 07:19:00.3-0.5, 23.06S-66.70W, h208km, 4km, mb4.8
GUC 21 07:19:00.9-0.7, 23.20S-66.85W, h212km, 6km, ML5.2

ISC 21 07:19:01.4-0.7, 23.04S-66.58W, h122km, 5km, mb4.1/14,
mbtmp4.7/21, Error ellipse: s-maj=14.0km s-min=8.8km
az=63.0

GCMT 21 07:19:05.9-0.3, 23.11S-0.03-66.66W, 0.03, h228km, 3km,
Mw=1.92, Moment Tensor Solution. s32.c34; s92.c114;
Duration: 0 Moment tensor: Scale 10^19Nm; Mr=3.14; 18;
Mw=0.10; 18; Mw=3.04; 21; Mw=0.66; 14; Mw=0.93; 20;
Mv=3.84; 17; Best double couple: M5: 0.570000x10^16 NP2:
NP1: 147.00000, s23.00000, t=124.00000, NP2:
q=3.00000, s71.00000, t=77.00000. Principal axes: T
4.9430, Plg25.00000, Azm83.00000, P -5.1700, Plg62.00000,
Azm293.00000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

ISC 21 07:19:02.0-0.4, 23.14S-0.03-66.79W, 0.04, h205km, 3km,
h206km, p-P, n427, c193/320, mb4.9/184, 17C-6D, Juijuy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations SALTA, AF01, etc.

comp=N, 12nm, 1.5s
comp=N, 23nm, 3.2s

comp=N, 4nm, 0.3s
comp=N, 2.2nm, 0.2s

comp=N, 3.2nm, 0.4s
comp=N, 2.6nm, 0.3s

comp=N, 2.2nm, 0.2s
comp=N, 2.2nm, 0.2s

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comp=N, 2.2nm, 0.2s
comp=N, 2.2nm, 0.2s

comp=N, 2.2nm, 0.2s
comp=N, 2.2nm, 0.2s

Table with columns: BURU, BURU, UMAU, etc. Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Burvick, Umeaa, Ertsjaev, etc.

Table with columns: RUS, RUS, MUTV, etc. Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ruskayya, Mutnovka, Gorelyy, etc.

Table with columns: MKAR, ZALV, ILAR, etc. Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Makanchi Array, Zalesovo Beam, Eielson Array, etc.

SJA 21 07:34:31.8, 1.0, 34.38S; 72.87W, h10km, ML3.2, MW4.1
GUC 21 07:34:32.1-0.7, 33.69S; 72.89W, h37km, 3km, ML3.3
ISC 21 07:34:32.6, 2.6, 33.73S; 0.05; 72.8W; 0.1, h24km, 18km, n22, e23/29, 5C, Off coast of central Chile

Main table for station data, columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Santo Domingo, Torpederas, Popeta, Curacav, Hualane, etc.

Table with columns: H112, H113, H111, etc. Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WAKE ISLAND Hy 35.43 174 T, WAKE ISLAND Hy 35.44 174 T, etc.

IDC 21 08:09:55.8, 0.6, 5.54S; 153.31E, h0km, mb4.4/16, mbmp4.4/17, ML2.8/1, MS3.10, Error ellipse: s-maj=22.4km, s-min=15.0km, az=93.0

Main table for station data, columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Alice Springs, Port Moresby, etc.

Table with columns: KURK, KURB, AAK, etc. Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kurchatov, Kurchatov Arra, Ala-Archa, etc.

PRU 21 08:13:28.4, 0.6, 2N; 15.90E, h0km, ML4.0, IDC 21 08:13:29.4, 0.9, 4.140N; 16.55E, h0km, mb3.8/9, mbmp3.8/22, ML3.6/10, MS2.7/5, Error ellipse: s-maj=17.1km, s-min=12.5km, az=33.0

Main table for station data, columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Villa Florida, Brasilia, etc.

STR 21 07:43:47.2, 1.5, 45.12N; 9.93E, h5km, MLv0.8/6, Error ellipse: s-maj=0.0km, s-min=0.0km, az=22.4, preliminary, France

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Oris-en-Rattie, etc.

IDC 21 07:46:33.7, 1.2, 55.38N; 163.20E, h0km, mb3.5/5, mbmp3.5/6, ML2.5/1, Error ellipse: s-maj=38.7km, s-min=23.4km, az=143.0

KRSC 21 07:46:37.0, 1.3, 55.09N; 163.33E, h55km, 26km, ML4.0, ISC 21 07:46:39.0, 1.1, 55.12N; 0.03; 163.39E; 0.04, h50km, 14km, n46, e135/70, mb3.5/5, Off east coast of Kamchatka Peninsula

Main table for station data, columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mys Kozlova, Krutoberegovo, Bering, etc.

KNRA Kunurra 26.13 245 P T 08 15 31.6 -1.1 H113 WAKE ISLAND Hy 27.31 29 T T 08 44 05.4

Main table for station data, columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WAKE ISLAND Hy 27.31 29 T, WAKE ISLAND Hy 27.32 29 T, etc.

Code Station Name Azimuth Phase ID Time Res Code Station Name Azimuth Phase ID Time Res Code Station Name Azimuth Phase ID Time Res

Main table for station data, columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Minervino Murg, Stephens Creek, etc.

21d 8h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ACER, APRC, MATE, MIGL, CSQA, MOCO, MRLC, MRLD, STN3, and many others.

2019 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NKME, PDG, MATE, MIGL, SKO, GRUS, TRUS, RIY, BOJS, VAE, AGST, BARS, CRES, AVAS, SKDS, POPM, KUBS, BOR2, ZAGS, ZAPS, MORH, MDRV, VRSR, VTS, OBKA, and SOBO.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SOKA, SRS, MYKA, HERR, BZS, ARSA, ARSA, ABTA, ABTA, SURR, KBA, GZR, RONA, RONA, CONA, CONA, LESA, LESA, BIOA, BIOA, MOA, MOA, MOA, LOT, WTTA, WTTA, WATA, WATA, SQTA, SQTA, FETA, FETA, MOTA, MOTA, DAVOX, DAVOX, DAVOX, MARR, RETA, RETA, VOIR, DAVA, DAVA, JAVC, CKRC, KRUC, GERES, GERES, EZN, KEST, KEST, KHC, KHC, MLR, MLR, ZVC, ZVC, APC, MORC, MORC, GOPE, GOPE, PLOK, PRUH, BURAR, BAND, IDI, IDI, NKC, CLL, CLL, CLL, CLL, AKASG, AKASG, BRTR, BRTR, ESCD, ESCD, MNAI, MNAI, HFS, HFS, EKA, EKA, EIL, EIL, NB2, NB2, NOA, NOA, NOA, FINES, FINES, ARTI, ARTI, BVAR, BVAR.

Table of seismic events with columns for station name, time, and magnitude. Includes events like KURBB Kurchatov Arra and MKAR Makanchi Array.

Table of seismic events with columns for station name, time, and magnitude. Includes events like SNGZ Shannon Statio and RTZ Ruatahuna.

Table of seismic events with columns for station name, time, and magnitude. Includes events like PAMC Pamploña, Colo and RUSC La Rusia.

CATAC 21 08:24:19.5±0.4, 12°N, 3°8'W, h21km, M3.3/1.5, MLv3.3/1.5, Error ellipse: s-maj=6.9km s-min=2.5km

ROSC 16mm, 0.3s, baz=131, slow=23, SNR=41

STR 21 08:14:40.8±0.4, 46°N, 3°33'W, h0km, MLv1.4/7, Error ellipse: s-maj=0.0km s-min=0.0km az=155.6, preliminary, France

SNET 21 08:24:19.1±0.5, 12°46'N-87°81'W, h42km, 9.4km, ML3.1

ROSC 108mm, 0.4s, baz=132, slow=20, SNR=17

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like OG35 Corcelles and OTSM Saint Maurice.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like CSGN Cosiguina Volc and POTN Potosi Cosigu.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like ROSC El Rosal and CVER Cruz Verde, Cu.

IDC 21 08:15:14.3±2.4, 53°77'N-90°89'E, h0km, mbtmp3.3/4, ML3.0/4, Error ellipse: s-maj=23.1km s-min=18.3km az=14.0

ISC 21 08:24:19.2±1.5, 12°37'N-0°07'87.83'W, h20km±5km, n40, c#42/50, 2D, Near coast of Nicaragua

ROSC 9.7mm, 0.3s, baz=257, slow=4.3, SNR=9.7

NMC 21 08:15:23.5±1.6, 53°62'N-90°51'E, h28km, 9km, mb3.9, mpv3.6, Error ellipse: s-maj=9.6km s-min=8.6km az=122.0, Suspected Mining explosion.

ISC 21 08:24:19.2±1.5, 12°37'N-0°07'87.83'W, h20km±5km, n40, c#42/50, 2D, Near coast of Nicaragua

SDV 61mm, 0.4s, baz=264, slow=18, SNR=25

ASRS 21 08:15:11.0±1.5, 53°74'N-91°02'E, h0km, M3.2, 8C-3D, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

ISC 21 08:24:19.2±1.5, 12°37'N-0°07'87.83'W, h20km±5km, n40, c#42/50, 2D, Near coast of Nicaragua

SDV 61mm, 0.4s, baz=264, slow=18, SNR=25

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like I46RU ZALESOVO INFRA and ZAAO Zalesovo Array.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like LOND La Caada and LERN Volcan Telica.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like SDV Santo Domingo and ARGC Ariguani, Magd.

JMA 21 08:29:23.6±0.5, 38°N±2°13'5E, h400km±4km, MV3.3/4/5, SEA OF JAPAN

ISC 21 08:29:24.0±0.7, 37°86'N-135°15'E, h403km, n26, c#127/30, mb3.5/9, Sea of Japan

IDC 21 08:50:19.7±3.7, 54°22'N-87°39'E, h0km, mbtmp2.7/2, ML2.5/2, Error ellipse: s-maj=33.3km s-min=20.6km az=44.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like MK31 Makanchi Array and MKAR Makanchi Array.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like JHG Hegura jima and JTT Tateyama.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like I46RU ZALESOVO INFRA and ZALV Zalesovo Beam.

ASRS 21 08:16:03.0±0.3, 53°45'N-87°24'E, h0km, M2.3, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

ISC 21 08:29:24.0±0.7, 37°86'N-135°15'E, h403km, n26, c#127/30, mb3.5/9, Sea of Japan

ASRS 21 08:50:19.0±1.0, 54°21'N-87°08'E, h0km, M2.3, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like WEL 21 08:22:52.2±1.1, 34°S±9°17'9W, h12km, M4.0/13, mb4.7/6, MLv4.0/13, Mw(mb)3.9/6.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like MKAR Makanchi Array and KURBB Kurchatov Arra.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC Time, Residual. Includes stations like I46RU ZALESOVO INFRA and ZALV Zalesovo Beam.

UPSL 21 08:58:18.9±37.93'N-21°26'E, h5km, Mw4.5, Moment Tensor Solution, Ms Moment tensor: Mr=0.1; Ms=5.28; Mz=5.43; Mn=2.49; Mw=0.08; Mw=1.21; Fault plane solution: NP1:phi=136.00000; delta=16.00000; NP2:phi=43.00000; delta=55.00000; lambda=173.00000.

21d 8h

2019 MAY

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km; Longitude uncertainty: 1 km
BE0 21 08:58:18.9,0.6,37.87N;20.99E,h0km,ML4,3/14
THE 21 08:58:19.0,38'N,1'x21'2E;0.07,h0km,1km,M4,2/24,
ML4,2/24
NEIC 21 08:58:20.1,1.4,37.90N;0.05;21'22E;0.03,h10km,1km,
mb4.7/132,Error ellipse: s-maj=9.7km s-min=2.8km
az=207.0
AFAD 21 08:58:22.0,38'03N;21'45E,h27km,27km,MW4,3
MCSM 21 08:58:22.0,4.38'N;3'x2'1E,1,h6km,3km,mb4.4,mb4.9,
ML4,7,Mw(mB)4,2
NAO 21 08:58:46.1,40'16N;21'33E,h10km,mb4.2
ISC 21 08:58:18.9,0.6,37.91N;20'02'25E;0.02,h8km,3km,
n900,1557/866,mb4.7/108,MS3.9/54,30C-18D,
South Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h m s, AYA, etc. Lists stations like ANDM Andravida, RLS Riolios of Patr, etc.

Table with columns: MMB Musomishta, KARB Zamir-Karabur, KOCA Canakkale, etc. Lists stations like MMB Musomishta, KARB Zamir-Karabur, KOCA Canakkale, etc.

Table with columns: MLR Muntele Rosu, MLR Muntele Rosu, TIRR Tirusor, etc. Lists stations like MLR Muntele Rosu, MLR Muntele Rosu, TIRR Tirusor, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like KHC, Kaspereske Hory, MMAI, KRLC, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like ESDC, FABU, OBNS, ONAU, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like SUE, KLMR, AKN, VAL, etc.

21d 8h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SONM Songoing Array, ULN Ulanbaatar, PALK Palikelele, etc.

2019 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like E24K Your Creek, E23K Chandalar, E20K Nigu River, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like K29M Barlow Dome, COLA College, DAWY Dawson, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Sheep Creek Mo, Granite Mounta, L18K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Kivchak River, Ungalithiuk R, SIT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Bandar-Abbas, SHME, SHME, etc.

ISC 21 09:15:07.1±3.3, 53.63N, 87.97E, h0km, mbtmp2.7/2, ML2.5/2, Error ellipse: s-maj=29.0km s-min=18.2km az=56.0

ASRS 21 09:15:07.0±0.9, 53.53N, 87.90E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

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

DJA 21 09:22:15.5±0.3, 3.2°S, 111°9'E, h10km, M4.0/17, mb4.2/3, MLv4.0/17, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Tana Toraja, SPSI, BNSI, etc.

DOK Doka SNR=13 8.36 188 P P 09 31 27.4 -1.4

WHFO Wadi Hafir SNR=1 9.10 190 P P 09 31 37.7 -1.3

DMTO DMTO SNR=11 9.18 183 P P 09 31 38.9 -1.2

ABTO Aybut SNR=1 9.73 192 P P 09 31 45.6 -2.1

DWDS Al Duwadimi SNR=1 9.81 258 P P 09 31 47.2 -1.5

QSMS Sumatra SNR=1 11.35 272 P P 09 31 47.2 -1.5

KBZ Khabaz SNR=1 19.57 332 P P 09 33 56.5 +0.8

BRTR Haskin Array B SNR=1 21.13 311 P P 09 34 23.5 +0.2

MKANR Makanchi Array SNR=1 29.03 40 P P 09 35 28.7 +0.8

KURBB Kurchatov Array SNR=1 29.52 31 P P 09 35 31.8 -0.3

ZALV Zalesovo Beam SNR=1 34.61 31 P P 09 36 17.7 +0.9

FINES FINESS Array B SNR=1 39.72 338 P P 09 36 59.6 -0.4

NOA NORRAR Array B SNR=1 45.15 331 P P 09 37 43.2 -1.2

LBTB Lantana SNR=1 59.10 212 LR LR 10 04 06.2

NEIC 21 09:33:50.7±2.4, 12.32S, 0°08', 166°7E, 0.1, h105km, 5km, mb4.7/50, Error ellipse: s-maj=14.7km s-min=10.4km az=66.0

IDC 21 09:33:52.5±0.8, 12°42'S, 166°72E, h130km, 6km, mb4.2/22, mbtmp4.5/24, MS3.3/4, Error ellipse: s-maj=15.7km s-min=11.0km az=102.0

NOU 21 09:34:02.0, 12°00'S, 166°41E, h180km, mb4.5/34, Santa Cruz Islands

ISC 21 09:33:49.1±0.3, 13.32S, 0°05', 166°81E, 0.06, h100km, n206, 1±18/212, mb4.7/48, 3C-1D, Santa Cruz Islands

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

21d 9h

Table of astronomical observations for 21 days and 9 hours, listing station names, coordinates, and observation times.

2019 MAY

Table of astronomical observations for May 2019, listing station names, coordinates, and observation times.

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Table of astronomical observations for 1188, listing station names, coordinates, and observation times.

Table with columns: TOF, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC, Res. Includes stations like Tornio, Apatity Array, Ulkokalla, Kangasniemi, Kalix, etc.

Table with columns: SII, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC, Res. Includes stations like Sitkinak Islan, Kusilvak Mount, Timber Creek, etc.

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

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

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

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

21d 10h

Table with columns: BRTR, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Keskin Array B, FINESS Array S, Zeya, etc.

ADC 21 10:12:27.2-1.6, 59:17N; 153:26W, h67km, 19km, mb3.6/10, mbmp3.9/15, Error ellipse: s-maj=20.8km s-min=13.7km az=109.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Augustine Moun, Cape Douglas, etc.

2019 MAY

Main table with columns: ILS, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Iliamna Low So, Katmai Hook Gl, etc.

1190

Table with columns: CHIR, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Chirikof Islan, Port Fidalgo, etc.

1191

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like COLD Coldfoot, G25K Bearman Lake, I27K Kandik River, etc.

1191: 10:12:46.1.3.1, 13'S2N-119'99E, h0km, mb3.7/3, mbmtpp3.7/3, MS2.9/1, Error ellipse: s-maj=375.4km s-min=28.4km az=61.0, Philippine Islands region

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

TRN 21 10:26:15.7, 10:12N-59'33W, h161km, M42.4, Far East of Trinidad, North Atlantic Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TBH Brigand Hill, TPR Prospec, TRN Trinidad (W), etc.

PLV 21 10:49:29.9.2.4, 21'40N-103'29E, h9km, mb3.6km, ML4.0, MW4.1

1191: 10:49:29.9.1.0, 21'31N-103'33E, h0km, mb3.8/6, mbmtpp3.8/7, ML3.4/1, MS3.1/5, Error ellipse: s-maj=22.1km s-min=18.2km az=91.0

1191: 10:49:30.3.1.2, 21'37N-103'00E, h2km, mb3.0/5, n24, 0.991/29, mb3.9/5, MS3.0/5, Vietnham

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

2019 MAY

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

CATAC 21 10:57:04.5.1.0, 13'N6.8'9W, h26km, 8km, M3.0/8, MLV3.0/8, Error ellipse: s-maj=12.6km s-min=5.9km az=19.9, confirmed

SNET 21 10:57:05.0.0.6, 12'96N-88'95W, h33km, 2km, ML2.7, GCG 21 10:57:06.1.0.5, 13'10N-88'98W, h59km, 13km, MD3.7

1191: 10:57:03.5.2.1, 12'86N-101'08E, h88.98W, 0.05, h3km, 12km, n34, 0.945/42, Off coast of Central America

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

KRNET 21 11:00:24.0.1.4, 43'79N-69'84E, mb2.6, SOME 21 11:00:26.6.1.9, 43'58N-69'77E, h0km, mb3.5, mpv2.9, Error ellipse: s-maj=7.1km s-min=5.3km az=151.0, Suspected Mining explosion

1191: 11:00:26.6.1.9, 43'58N-69'77E, h0km, n13, 0.1518/23, 11C-4D, Central Kazakhstan

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

21d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BRLS, KK31 Karatay Array, KK31, etc.

1191: 11:06:05.2.3.1, 30'46S-177'14W, h0km, mb3.9/3, mbmtpp3.9/4, ML3.1/1, MS3.4/3, Error ellipse: s-maj=71.2km s-min=36.5km az=118.0, Kermadec Islands

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

NEIC 21 11:11:28.1.1.3, 47'13N-0'03.124'11W, h0.06, h31km, 2km, Error ellipse: s-maj=6.6km s-min=4.0km az=64.0

SEA 21 11:11:28.6.1.1, 47'11N-0'03.124'08W, h0.06, h34km, 3km, ML3.4/1, ML3.1/1 (NEIC), Error ellipse: s-maj=5.9km s-min=2.9km az=65.0, Near coast of Washington

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PABH Pacific Beach, PABH, NLWA Neilton Lookou, etc.

Table listing meteor showers (E07A, E02E, I02E, etc.), their radiant names (Swisshorse, Camp Hill River, etc.), and their activity parameters (ZHR, duration, etc.).

Table listing meteor showers (MZZP, SRU, DRUG, etc.), their radiant names (Montezuma Peak, San Rafael Swe, etc.), and their activity parameters.

ICD 21 11:00:03.4,32.433:48N:147:67E, h0km, mb3.6/7, mbmp3.6/7, MS2.6/3, Error ellipse: s-maj=105.1km s-min=25.9km az=177.0

Table listing meteor showers (SHO, SHO, SHO, etc.), their radiant names (Shikotan, Shikotan, etc.), and their activity parameters.

Table listing meteor showers (YUK, YUK, YUK, etc.), their radiant names (Yuzh-Kuril'sk, Yuzh-Kuril'sk, etc.), and their activity parameters.

Table listing meteor showers (KUR, KUR, KUR, etc.), their radiant names (Kuril'sk, Kuril'sk, etc.), and their activity parameters.

Table listing meteor showers (NEM, NEM, NEM, etc.), their radiant names (Nemuro 2, Nemuro-Hokkai, etc.), and their activity parameters.

Table listing meteor showers (JNSB, JNSB, JNSB, etc.), their radiant names (Nekureshibetsu, Akkeshi, etc.), and their activity parameters.

Table listing meteor showers (JTKR, JTKR, JTKR, etc.), their radiant names (Ashoritari-Toko, Ashoritari, etc.), and their activity parameters.

Table listing meteor showers (BATI, EDPI, WSI, etc.), their radiant names (Ende, Flores, Waingapu, etc.), and their activity parameters.

Table listing meteor showers (WBSI, PLAI, WRA, etc.), their radiant names (Waikabubak, Plampang, Warramunga Arr, etc.), and their activity parameters.

Table listing meteor showers (ASAR, ASAR, MKAR, etc.), their radiant names (Alice Springs, Alice Springs, Makanchi Arry, etc.), and their activity parameters.

Table listing meteor showers (ZALV, ZALV, KURBB, etc.), their radiant names (Zalesovo Beam, Kurchatov Arra, etc.), and their activity parameters.

KRSC 21 11:52:39.2,1.50,04K:158:37E, h38km,26km, MI3.7, East of Kuril Islands

Table listing meteor showers (KDR, KDR, KDR, etc.), their radiant names (Khodutka, Kamc, Asacha, etc.), and their activity parameters.

Table listing meteor showers (GR, GR, GR, etc.), their radiant names (Gorelyy, Gorelyy, etc.), and their activity parameters.

Table listing meteor showers (KRMR, KRMR, KRMR, etc.), their radiant names (Karymshinskiy, Karymshinskiy, etc.), and their activity parameters.

Table listing meteor showers (DALK, DALK, DALK, etc.), their radiant names (Daly, Daly, etc.), and their activity parameters.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and various data points for stations like SHAI1, GUZR, KIV, SOCI, KBZ, BEYR, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and various data points for stations like KARS, BAYT, ESPY, GLDR, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and various data points for stations like KBS, SPITS, HSPB, etc.

IDC 21 12:14:39.7:24.0, 17.42S-178.71W, h602km, 52km, mb3.0/3, mbtmp4.0/4, Error ellipse: s-maj=468.1km s-min=119.8km az=80.0, Fiji Islands region

MOS 21 12:15:35.9:1.2, 85.35N:89.00E, h10km, mb4.5/19, Error ellipse: s-maj=81.1km s-min=7.1km az=88.8

GCMT 21 12:15:38.6:0.3, 85.28N:0.02:91.0E:0.14, h2km, MW4:8/113, Moment Tensor Solution, s13:c16; s11:c17; Duration: 0 Moment tensor: Scale 10^16Nm; Mw=1.70±.05; Mww=1.01±.05; Mbb=0.69±.05; Mo=0.39±.22; Mv=0.66±.04; Mw=0.69±.26; Best double couple: Mo1.76200x10^16 NP1:311.000000, 846.000000, lambda=18.000000, NP2:328.000000, 851.000000, lambda=64.000000. Principal axes: T 1.5330, Plg3.0000, -A.940.0000; N 0.4630, Plg20.0000; Azm131.0000; P -1.1900, Plg70.0000; Azm303.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

FCIAR 21 12:15:41.0, 84.96N:87.54E, h10km, station OMEGA has station magnitude of 4.10 station SVZ has station magnitude of 4.00 station LSH has station magnitude of 4.99 station KLMR has station magnitude of 4.93

KOLA 21 12:15:42.3, 85.52N:88.80E, h0km, ML2.1, Arctic Ocean, Gakkle ridge

ISC 21 12:17:37.8:0.3, 85.34N:0.04:88.71E:0.04, h10km, n467, 25:10/428, mb4.3/79, MS3.6/60, 6C-1D, North of Severnaya Zemlya

Table with columns: ID, Name, Date, Time, Value, and other parameters. Includes entries like C24K Franklin Bluff, C26K Camden Bay, C18K Utukok River, etc.

Table with columns: ID, Name, Date, Time, Value, and other parameters. Includes entries like G19K Purcell Mounta, G26K Porcupine Rive, G26K Porcupine Rive, etc.

Table with columns: ID, Name, Date, Time, Value, and other parameters. Includes entries like BPAW Bray Paw Mtn, J26L Joseph Creek, CHUM Lake Minchumin, etc.

21d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, IAML, etc. Includes entries like DEOK, OK048, OK051, etc.

IDC 21 12:55:30.3±0.7, 15:54S:71.30W, h0km, mb4. 1/9, mbmp4.1/11, ML3.5/2, MS3.6/24, Error ellipse: s-maj=27.9km s-min=15.8km az=52.0

NEIC 21 12:55:31.2±1.6, 15:78S:0:08.72W, 0.0/9, h10km, 1km, mb4. 7/142, Error ellipse: s-maj=15.3km s-min=12.9km az=244.0

VAO 21 12:55:34.2±1.9, 15:67S:71.87W, h26km, 1.9km, mb4.3, ISC 21 12:55:30.5±0.4, 15:75S:0:06.71W, 0.0/7, h10km, n249, 0.2m, 0.3s, baz=159, slow=5.2, SNR=2.0

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, IAML, etc. Includes entries like PB18, AP01, PB08, etc.

2019 MAY

Main table with columns: ITOB, Itaqui, 19.72 137, P, Iamb, etc. Includes entries like ITOB, Itaqui, SERRA Nova Dou, etc.

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Main table with columns: KSU1, Kansas State U, 59.28 338, P, Iamb, etc. Includes entries like KSU1, Kansas State U, ANMO, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, MKAR Makanchi Array, MNCI Minicid, etc.

IDC 21 12:59:53.2+1.0, 13.15N:51.19E, h0km, mb3.9/1.6, mbtmp3.9/1.7, ML2.4/2, MS3.5/2.4, Error ellipse: s-maj=24.8km s-min=18.9km az=7.0

OMAN 21 12:59:56.8+0.1, 13.43N:50.96E, h36km, 12km, mb4.1/7, mb3.7/3.3, Error ellipse: s-maj=3.4km s-min=1.6km az=346.0

ISC 21 12:59:55.2+1.0, 13.33N:0.09S, h15E:0.08, h10km, n70, s1502/63, mb4.0/2.2, MS3.5/2.4, Eastern Gulf of Aden

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

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ASHO Ashiyah, UOSS Minazif, BANOM Banah, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BRTR Keskin Array B, KBZ Khabaz, KBZ Khabaz, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KK31 Karatay Array, KK31 Karatay Array, KKAR Karatay Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LSZ Lusaka, AB31 Akbulak array, AB31 Akbulak array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ABKAR Akbulak array, AKTO Aktyubinsk, MLR Muntele Rosu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, ARTI Arti, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ESDC Sonseca Array, ESDC Sonseca Array, PAB San Pablo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NR1K Nori'sk, NR1K Nori'sk, NR1K Nori'sk, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like I05AU HOBART INFRAISO, I22FR PORTLAGUERRE, I36NZ CHANTAL INFRAISO, etc.

SOF 21 13:17:36.8, 40.83N:0.04:27.36E:0.03, h10km, 2km, MD3.8/4

AFAD 21 13:17:37.6, 40.74N:27.39E, h18km, MW3.7

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SART Tekirdag, SART Sarkoy-Tekirda, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CAVK Edirne/Enez-Ca, CAVK Edirne/Enez-Ca, etc.

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KUR07 Kurchatov Arra, KUR07 Kurchatov Arra, etc.

ISC 21 13:27:33.2+0.5, 49.98N:78.77E, h0km, mpv2.5, Error ellipse: s-maj=11.8km s-min=2.6km az=74.0, Suspected Mining explosion.

IDC 21 13:27:37.9+4.1, 49.99N:78.99E, h0km, mbtmp2.6/2, ML2.0/2, Error ellipse: s-maj=51.5km s-min=18.8km az=93.0

ISC 21 13:27:33.6+2.9, 49.96N:0.07:78.4E:0.3, h0km, n16, s068/24, 15C-9D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like KUR14, KUR15, KURB8, etc.

IDC 21 13:34:55.0+0.8, 2:45S, 138:50E, h0km, mb4.0/8, mbmp4.0/10, ML3.8/2, MS3.2/6, Error ellipse: s-maj=22.2km s-min=19.8km az=70.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like SMP1, SMP2, GEN1, etc.

IDC 21 13:34:59.4+2.0, 2:47S, 0:06E, 138:57E, 0:04, h31km, 15km, n48, c1915/50, mb4.4/14, MS3.1/5, Irian Jaya

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like JAY1, JAY2, JAY3, etc.

IDC 21 13:35:00.4+0.4, 2:53S, 139:13E, h27km, 4km, M4.2/7, mb4.2/7, MLV4.1/7

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like WBO1, WBO2, WR8, etc.

IDC 21 13:35:01.1+1.5, 2:54S, 0:10E, 138:55E, 0:07, h43km, 6km, mb4.4/20, Error ellipse: s-maj=14.3km s-min=10.1km az=174.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like GUM0, WBR1, WBR2, etc.

IDC 21 13:35:02.2+0.7, 2:54S, 13:10W, 138:52E, 0:11, SNR=5.1

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

IDC 21 13:35:03.1+0.8, 2:54S, 11:50W, 138:52E, 0:11, SNR=19

NEIC 21 13:37:39.2+1.4, 15:83S, 0:06E, 72:01W, 0:10, h8km, 4km, mb5.0/157, Mmw4.9/22, Error ellipse: s-maj=14.1km

IDC 21 13:37:39.6+0.5, 15:16S, 71:67W, h0km, mb4.4/13, mbmp4.3/16, ML4.0/3, MS4.1/40, Error ellipse: s-maj=20.6km s-min=12.9km az=47.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like PB18, PB19, AP01, etc.

IDC 21 13:37:42.1, 15:85S, 72:02W, h12km, VAO 21 13:37:42.7+1.1, 15:64S, 71:88W, h34km, 9km, mb4.6

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like PB16, LPAZ, LPAZ, etc.

IDC 21 13:37:43.7+1.1, 15:64S, 71:88W, h34km, 9km, mb4.6

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

IDC 21 13:37:44.2+1.1, 15:64S, 71:88W, h34km, 9km, mb4.6

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like SAM1, SAM2, BBS0, etc.

IDC 21 13:37:45.1+1.0, 15:64S, 71:88W, h34km, 9km, mb4.6

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like OTAV, OTAV, SJPY, etc.

IDC 21 13:37:46.0+0.8, 15:64S, 71:88W, h34km, 9km, mb4.6

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like ITRB, LDAS, BOAV, etc.

Table with columns: SDV, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like SDV, SDV, SMTB, etc.

IDC 21 13:37:47.0+0.6, 15:64S, 71:88W, h34km, 9km, mb4.6

Table with columns: SDV, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like PLCA, PLCA, PLCA, etc.

IDC 21 13:37:48.0+0.6, 15:64S, 71:88W, h34km, 9km, mb4.6

Table with columns: SDV, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like PLCA, PLCA, PLCA, etc.

IDC 21 13:37:49.0+0.6, 15:64S, 71:88W, h34km, 9km, mb4.6

Table with columns: SDV, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like PLCA, PLCA, PLCA, etc.

IDC 21 13:37:50.0+0.6, 15:64S, 71:88W, h34km, 9km, mb4.6

Table with columns: SDV, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like PLCA, PLCA, PLCA, etc.

IDC 21 13:37:51.0+0.6, 15:64S, 71:88W, h34km, 9km, mb4.6

Table with columns: SDV, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like PLCA, PLCA, PLCA, etc.

IDC 21 13:37:52.0+0.6, 15:64S, 71:88W, h34km, 9km, mb4.6

Table with columns: SDV, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like PLCA, PLCA, PLCA, etc.

IDC 21 13:37:53.0+0.6, 15:64S, 71:88W, h34km, 9km, mb4.6

Table with columns: SDV, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like PLCA, PLCA, PLCA, etc.

21d 15h

h134km,10km,n30,e102/41,mb3.4/6,Northeast of Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like JISG Ishigakijimahi, JISG Tarama, etc.

IDC 21 14:48:52.4±1.5, 1773Sx174.95W, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=53.3km s-min=36.0km az=165.0, Tonga Islands

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

IDC 21 14:55:38.2±2.0, 233N-125.17E, h0km, mb3.3/4, mbtmp3.4/4, Error ellipse: s-maj=127.5km s-min=26.8km az=67.0, Talaud Islands

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

GII 21 15:04:33.7±0.0, 33.78N-01.37E, h0km, confirmed GRAL 21 15:04:34.8±0.6, 33.68N-37.03E, h4km, M3.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like FKH Fakeheh, ZAHL Zahle, etc.

HLW 21 15:05:44.5±27.49N, 33.93E, h1km, Md2.5, Ml2.8 GII 21 15:05:45.6±0.0, 27.06N, 0.004, 34.599E, 0.002, h1km, Mws3.9, confirmed

SGS 21 15:05:46.5±27.54N, 34.06E, h13km, Ml2.8 JSO 21 15:06:18.7±1.3, 29.1N, 8.3E, h0km, M3.2/12, Md3.8/12, Mjma3.2/11, ML3.0/12, MLv3.0/12, MLv3.0/12

ISC 21 15:05:43.1±0.8, 27.39N, 0.02, 34.06E, 0.03, h17km, n63, r136/67, Red Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like HHRG AI Ghardaqah, TR1 Tor 1, etc.

2019 MAY

Table with columns: HIDS, ABU RUDAYS, NUB, NUWEIBA, WTBKS, WTBKS, HAQS, HAQI, HAQS, HAQI, JLOS, DESA, DESA, HBST, Basat, JIMOS, Jabal al Moali, NADES, Abo Dabab, NADES, ASUT, 2.22 271 P, URD06, Shuwaq, EIL, Elat, 2.40 19 P, AOBJ, Agaba, 2.49 20 P, MBRI, Mt Berech, 2.51 17 S, MBRI, Mt Berech, 2.51 17 S, MBRI, Mt Berech, 2.51 17 P, EWHJS, Al Wahj, 2.63 110 P, URD12, Shuwaq, 2.69 81 P, HRFI, Mount Harif, 2.77 18 P, HRFI, Mount Harif, 2.77 18 S, HRFI, Mount Harif, 2.77 18 P, KRMI, Paran Flat, 2.78 12 P, KRMI, Paran Flat, 2.78 12 P, KRMI, Paran Flat, 2.78 12 P, TAMRE, El Minia, 2.81 277 P, PRNI, Paran, 3.06 15 P, PRNI, Paran, 3.06 15 S, PRNI, Paran, 3.06 15 P, HAGS, Hagol, 3.11 164 P, ZFRI, Zfri, 3.30 17 P, ZFRI, Zfri, 3.30 17 P, KZIT, Kziot, 3.52 5 S, KZIT, Kziot, 3.52 5 P, KZIT, Kziot, 3.52 5 P, GTR, Jabal at Tayr, 3.66 240 P, AKRG, Al Kharijah, 3.71 240 P, KASR, Kasr, 3.87 193 P, YTHR, Yatir, 4.06 13 P, MSBI, Mazada, 4.07 16 P, GHJL, Ghaz Haditha, 4.11 18 P, DSI, Dead Sea, 4.32 15 P, HDKI, Dakhla, 4.56 247 P, ASHG, Umm Shaghir, 4.65 208 P

IDC 21 15:08:54.6±0.6, 27.33N, 140.19E, h448km, 9km, mb3.3/13, mbtmp4.0/16, Error ellipse: s-maj=26.3km s-min=12.9km az=75.0

JMA 21 15:08:55.0±1.2, 28.1N, 141.1E, h477km, W OFF OGASAWARA

ISC 21 15:08:55.0±0.7, 27.40N, 0.09, 140.2E, 0.1, h450km, n24, r151/26, mb3.6/14, Bonin Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CBUJ Chichi jima, CJJ Chichijima, BSO1 Boso 1, JWO Kuyua, etc.

USRK Usurisayk Arr, 18.04 314 P, 2.2m, 0.7s, baz=146, slow=11, SNR=5.3

WRA Warramunga Arr, 47.41 188 P, 0.2m, 0.3s, baz=5.0, slow=7.6, SNR=7.0

ZALV Zalesovo Beam, 48.13 319 P, 1.1m, 0.4s, baz=111, slow=7.3, SNR=6.7

MKAR Makanchi Array, 48.95 309 P, 0.6m, 0.6s, baz=99, slow=9.2, SNR=5.9

ASAR Alice Springs, 51.13 187 P, 0.2m, 0.9s, baz=358, slow=4.7, SNR=7.4

KURBB Kurchatov Arr, 51.59 314 P, 3.3m, 0.4s, baz=92, slow=7.9, SNR=15.3

BVAR Borovoye Array, 56.65 317 P, 7.8m, 0.4s, baz=85, slow=6.9, SNR=58.7

SPITS Spitsbergen Arr, 68.78 349 P, 3.9m, 0.9s, baz=64, slow=11, SNR=2.0

ARCES ARCES Array B, 72.69 340 P, 1.6m, 0.8s, baz=69, slow=8.2, SNR=6.8

YKA Yellowknife Arr, 72.69 28 P, 0.1m, 0.3s, baz=316, slow=2.6, SNR=4.4

FINES FINES Array B, 76.91 333 P, 2.7m, 0.5s, baz=64, slow=5.1, SNR=30.2

AKASA Malin Array Be, 81.35 323 P, 0.2m, 0.3s, baz=58, slow=9.9, SNR=0.9

HFS Hagfors, 82.46 336 P, 0.2m, 0.4s, baz=83, slow=3.6, SNR=7.6

NB2 NORSTAR Subarra, 82.68 338 P, comp=2.0, 5m, 0.5s, baz=55, slow=5.1

NOA NORSTAR Array B, 82.68 338 P, comp=2.0, 9m, 0.7s, baz=46, slow=4.8, SNR=4.0

BRTR Keskin Array B, 84.52 312 P, comp=2.0, 4m, 0.6s, baz=37, slow=2.3, SNR=2.2

ROM 21 15:22:19.2±0.1, 43.154N, 0.005, 11.579E, 0.009, h15km, 2km, ML1.8/27, Error ellipse: s-maj=0.7km s-min=0.3km az=271.0, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SF11 Podere del Sol, SF11 Frosini, etc.

ROM 21 15:22:19.2±0.1, 43.154N, 0.005, 11.579E, 0.009, h15km, 2km, ML1.8/27, Error ellipse: s-maj=0.7km s-min=0.3km az=271.0, Central Italy

ROM 21 15:22:43.7±0.1, 43.151N, 0.005, 11.562E, 0.010, h12km, 2km, ML2.2/16, 5C-2D, Error ellipse: s-maj=0.8km s-min=0.3km az=266.0, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SF11 Podere del Sol, SF04 Casetta, etc.

ROM 21 15:22:43.7±0.1, 43.151N, 0.005, 11.562E, 0.010, h12km, 2km, ML2.2/16, 5C-2D, Error ellipse: s-maj=0.8km s-min=0.3km az=266.0, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SF04 Casetta, SF04 Casetta, etc.

1200

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SF01 comp=E,168um,0.8s, SF01 comp=N,171um,0.9s, etc.

ATMI comp=N,268um,0.7s

ATMI comp=N,254um,0.3s

ATMI comp=N,270um,0.4s

SSP9 Sansepolcro, 0.58 44 P, comp=E,106um,0.4s

SSP9 comp=N,90um,0.5s

BADI Badiali, 0.60 54 P, comp=N,90um,0.5s

BADI comp=E,74um,0.4s

ATVO AVT- Monte Val, 0.65 69 P, comp=N,83um,0.8s

ATVO comp=E,111um,0.6s

ATVO comp=N,70um,0.6s

ASQU Asqua, 0.66 13 P, comp=N,70um,1.4s

ASQU comp=N,75um,0.8s

ASQU comp=E,78um,0.3s

ATPI Pietralunga, 0.67 63 P, comp=N,75um,0.8s

ATPI comp=E,55um,0.5s

ATPI comp=N,59um,1.2s

ATPI comp=E,55um,0.5s

ATPI comp=N,59um,1.2s

ROM 21 15:22:43.7±0.1, 43.151N, 0.005, 11.562E, 0.010, h12km, 2km, ML2.2/16, 5C-2D, Error ellipse: s-maj=0.8km s-min=0.3km az=266.0, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SF11 Podere del Sol, SF04 Casetta, etc.

ROM 21 15:22:43.7±0.1, 43.151N, 0.005, 11.562E, 0.010, h12km, 2km, ML2.2/16, 5C-2D, Error ellipse: s-maj=0.8km s-min=0.3km az=266.0, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SF04 Casetta, SF04 Casetta, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OSSC, MGAB, ATMI, SSP9, SSSP, BADI, ATVO, ASQU, ATPI, MAON, PIEI.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FROS, CAFI, SF04, SF01, CSNT, SACS, SACS, SACS, SACS.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SACS, OSSC, MGAB, ATMI, SSP9, SSSP, BADI, ATVO, ATVO, ASQU, ATPI, PIEI, MAON.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MEX, ECX, ISCT, Valle De La Tr, San Vicente, San Pedro Mart, San Joaquin, San Quintin, SOX, ALAMX, PBX, CCX, RHX, CBX, MBIG, TJJG.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TJJG, YUHD, BAR, SLGB, SLGB, BAHB, BAHB.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DJA, CGJI, SKJI, SBJI, CNJI, LWLI, LEM, LEM, MDSI, CMJI, MNAI, UGM, GMJI.

MDD 21 15:27:18.1±0.6, 36°50'N-7°95'W, h9km, 3km, mb, Lg2.9/27, Error ellipse: s-maj=4.4km s-min=3.0km az=66.0 SFS 21 16:27:19.5, 36°44'N-8°00'W, h34km, ML2.7/9, ML2.7/11, MLv2.5/11

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PBDV, PBDV, PBDV, EXAYA, EXAYA, PFVI, PFVI, PFVI, PVAQ, PVAQ, PVAQ, MORF, MORF, MORF, ARNO, PTEO, PTEO, PTEO, MESJ, MESJ, MESJ, MESJ, SFS, SFS, PBEJ, PBEJ, PBEJ, EMIN, EMIN, EMIN, ESPR, ESPR, ESPR, PBAR, PBAR, PBAR, EJIF, EVO, EVO, EVO, EVO, ECUU, ECUU, ECUU, EBDAD, EBDAD, EBDAD.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like EBAD, PESTR, CHEFC, ECAB, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GERES, TUE, NRCA, etc.

BER 21 16:48:20.4, 2.5, 77.78N, 7.42E, h28km, 13km, mb(Pn)3.2, ML1.1 (DNK), Confirmed Earthquake

KOLA 21 16:48:23.5, 77.60N, 9.88E, h0km, ML2.4, Error ellipse: s-maj=17.7km, s-min=9.2km, az=110.0, Greenland sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BRBA, BRBB, KBS, etc.

IDC 21 17:19:50.2, 2.1, 40.74N, 123.92W, h0km, mb2.7/2, mbmp2.9/3, ML2.7/1, Error ellipse: s-maj=20.9km

NEIC 21 17:19:52.3, 1.4, 40.71N, 123.97W, h0km, h30km, 7km, Error ellipse: s-maj=3.8km, s-min=3.2km, az=75.0

ISC 21 17:19:52.5, 0.9, 40.70N, 123.95W, h0km, h31km, 6km, n106, t1902/08, Northern California

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

NOU 21 16:36:17.0, 15.55S, 167.82E, h110km, MLV4.4/1.4, Vanuatu Islands

ARCES ARCESS Array B 119.71 346 PKP PKPdf 16 55 21.3 -1.1

ARCES ARCESS Array B 119.71 346 PKP PKPdf 16 55 21.3 -1.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Cahto Peak, Bonanza King, Fairley Peak, Signal Peak, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Jiri, Kurchatov Arra, Cape Leeuwin H, etc.

NEIC 17:20:40.0, 1.8, 22.30S; 0.2, 179.3W; 0.3, h592km, 15km, mb4.1/14, Error ellipse: s-maj=38.3km s-min=20.9km az=57.0

IDC 21 18:04:46.2, 0.4473N; 88.97E, h0km, mb3.5, mpv2.9, 7C-30, Error ellipse: s-maj=26.4km s-min=14.6km

NOU 21 18:11:26.5, 37.83S; 176.23E, h288km, ML3.5/10, North Island, New Zealand

WEL 21 18:11:29.3, 1.1, 38.5, 3x3*17.6E, h257km, gkm, M2.5/17, ML2.5/17, Error ellipse: s-maj=8.2km s-min=3.6km

ISC 21 18:11:24.9, 2.1, 37.83S; 0.06:176.16E:0.07, h288km, 1.2km, n92, c197/114, North Island

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

CATAC 21 18:37:53.6, 0.7, 7.7N; 4.8*3W, h1km, M4.4/12, mb4.5/3, mB5.1/1, ML4.4/3/12, m(B)4.4/1, Error ellipse: s-maj=11.6km s-min=8.5km az=66.3 confirmed

UPA 21 18:37:54.0, 1.4, 7.7, 1.6N; 82.37W, h288km, gkm, MW3.9

SCR 21 18:37:56.0, 1.4, 7.7, 2.2N; 82.36W, h32km, 70km, MW4.0

UCR 21 18:37:50.6, 1.8, 7.7, 17.9N; 0.07:82.34W:0.04, h4km, 11km, n77, c195/97, 3C-6D, South of Panama

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like ISECA, PTFM, PEDE3, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like BOTLY, NELY, LNR03, etc.

MOS 21 18:42:45.5, 1.2, 0.94N; 122.09E, h55km, mb5.2/71, Error ellipse: s-maj=8.4km s-min=4.1km az=119.3

GCMT 21 18:42:46.4, 0.2, 1.16N; 0.01:122.16E:0.02, h46km, MW5.1/97, Moment Tensor Solution. s97.c141;

s96.c141; Duration: 0 Moment tensor: Scale 10^16Nm; Mn:4.95e-15; Mw:5.40e-09; Mo:0.44e-11; Me-1.15e-09; Mm:0.17e-09; Ml:0.09e-10; Best double couple: Ms:305000*10^16 Np1:93.000000; 839.000000;

7.92.000000; NP2:270.000000; 851.000000; 7.88.000000; Principal axes: T: 5.0790; P1g84.0000; Azm168.0000; 0.4500; P1g1.0000; Azm271.0000; P: 5.5300; P1g6.0000; Azm2.0000; nst1 refers to body waves, cutoff=40s.

nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 21 18:42:47.4, 1.9, 0.99N; 0.05:122.09E:0.04, h49km, 4km, mb5.2/191, Mw5.1/17, Error ellipse: s-maj=7.1km s-min=6.3km az=200.0

NEIC 21 18:42:47.1, 1.02N; 122.09E, h46km

NEIC 21 18:42:47.1, 1.12N; 122.19E, h46km, Moment Tensor Solution. Duration: 187 Moment tensor: Scale 10^16Nm;

Mn:5.75; Mw:5.84; Mo:0.09; Me-0.25; Ml:1.13; Ml:0.53; Fault plane solution: Ms:9.930000*10^16 Np1:73.760000; 814.560000; 1.81.000000; NP2:265.410000; 946.040000; 1.93.140000; Principal axes: T: 5.6118; P1g84.0000; Azm252.0000; N: 0.2371; P1g6.0000; Azm0.0000; P: -6.0489; P1g1.0000; Azm350.0000;

ICC 21 18:42:48.2, 1.4, 0.94N; 122.06E, h64km, mb4.5/34, mbmp4.8/38, MS4.0 Error ellipse: s-maj=13.0km s-min=7.4km az=76.0

DJA 21 18:42:48.1, 0.2, 1.12N; 122.19E, h62km, 2km, Ms:0.93, mb5.3/93, mb5.5/54, MLV5.2/28, Mw(mB)5.0/54, Mw(mw)4.9/25, Mw(mw)5.2/25

ISC 21 18:42:46.6, 0.2, 0.90N; 0.03:122.09E:0.03, h52km, 1km, h52km, pp-P, n1009, c146/107, mB5.1/222, MS4.0/72, 29C-9D, Minahasa Peninsula, Sulawesi

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

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

Table of meteorological data for station 1205, including columns for station ID, name, coordinates, elevation, and various atmospheric and visibility measurements over time.

Table of meteorological data for station 1209, including columns for station ID, name, coordinates, elevation, and various atmospheric and visibility measurements over time.

Table of meteorological data for station 1210, including columns for station ID, name, coordinates, elevation, and various atmospheric and visibility measurements over time.

21d 18h

Table with columns for station name, frequency, power, and signal strength. Includes stations like Gaotai, GTA, CAN, USA0B, etc.

2019 MAY

Table with columns for station name, frequency, power, and signal strength. Includes stations like NIL, SHLS, KSH, PRZ, etc.

1206

Table with columns for station name, frequency, power, and signal strength. Includes stations like ZALV, CHGR, YAK, etc.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like JMDO, DQM, SMDO, BIDO, SEY, BSY, BVAR, ARQ, BRVK, SOHO, HATD, ASHO, SHME, ALNE, ASUD, DRV, RBK, DOK, A1JN, WHFO, ABTO, MZWR, MZR, GHWR, TIXI, TIKSI, TIKI, TIRN, SMRA, SHKA, SBV, BILL, BILIBINO, SVE, ARTI, KBD, LKRN, VOI, NIKH, SPIA, RAYN, P08K, AKT, SEKA, MNGR, GANJ, GAMB, NAX, MAW, GNI, BELG, M11K, KIRV, TRLG, GEVA, TNA, NCK, VNSA, VNSA, VNSA, S12K, K13K, KBZ, KBZ, F14K, M13K, GURO.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like GURO, KVAR, SHAT, SHAI, KIV, J14K, SDPT, L14K, L14K, N14K, F15K, M14K, M14K, G15K, O14K, CHNA, C16K, L15K, K15K, M15K, KOPT, H16K, O15K, N15K, N15K, G16K, G16K, VRH, VRH, D17K, ERBR, ERBR, J16K, J16K, RDOO, C17K, VSLR, VSLR, L16K, L16K, E17K, SOC, SOC, SOC, SOC, SOC, F17K, F17K, M16K, M16K, N16K, G17K, P16K, R16K, O16K, O16K, K18K, K18K, H17K, H17K, J17K, J17K, B18K, E18K, C18K, C18K, L17K, L17K, K17K, K17K, F18K, F18K, ARPR, O17K, O17K, M17K, M17K, A19K, G18K, H18K, K18K, K18K, P17K.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like VSR, VSR, VSR, VORR, VORR, VORR, CHIR, CHIR, Q17K, L18K, LPSR, LPSR, J18K, J18K, F19K, N18K, GCSA, D19K, M18K, ASF, G19K, G19K, P18K, TTA, Q18K, O18K, ANN, ANN, ANN, KLMR, KLMR, KLMR, E19K, H19K, R18K, SII, J19K, L19K, B20K, D20K, N19K, E20K, F20K, MOS, MOS, MOS, M19K, Q19K, H20K, OHAK, A21K, I20K, K20K, K20K, L20K, J20K, J20K, BNN, P19K, LODK, LODK, OBN, OBN, OBN, OBN, OBN, OBN, C21K, M20K, K20K, B21K, A22K, Q20K, E21K, E21K, G21K, F21K, EIL, N20K, H21K, PPLA, CHUM, B22K, CAST, CAST, D22K, I21K.

Table with columns for station ID, name, frequency, and other technical details. Includes stations like VSR, VSR, VSR, VORR, VORR, VORR, CHIR, CHIR, Q17K, L18K, LPSR, LPSR, J18K, J18K, F19K, N18K, GCSA, D19K, M18K, ASF, G19K, G19K, P18K, TTA, Q18K, O18K, ANN, ANN, ANN, KLMR, KLMR, KLMR, E19K, H19K, R18K, SII, J19K, L19K, B20K, D20K, N19K, E20K, F20K, MOS, MOS, MOS, M19K, Q19K, H20K, OHAK, A21K, I20K, K20K, K20K, L20K, J20K, J20K, BNN, P19K, LODK, LODK, OBN, OBN, OBN, OBN, OBN, OBN, C21K, M20K, K20K, B21K, A22K, Q20K, E21K, E21K, G21K, F21K, EIL, N20K, H21K, PPLA, CHUM, B22K, CAST, CAST, D22K, I21K.

21d 18h

2019 MAY

1208

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include stations like F22K John River, E22K Anaktuvuk Pass, G22K Bettles, etc.

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include stations like AKASG Malin Array Be, AKASG Malin Array B, AKAB Malin Array S, etc.

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S, Az, El, P, S. Rows include stations like EPYK Eagle Plains, EPYK Eagle Plains, MLR Muntele Rosu, etc.

Table with columns: TOZ, BBOO, WWO, etc. and rows listing various astronomical objects with their coordinates and magnitudes.

Table with columns: TOZ, BBOO, WWO, etc. and rows listing various astronomical objects with their coordinates and magnitudes.

Table with columns: TOZ, BBOO, WWO, etc. and rows listing various astronomical objects with their coordinates and magnitudes.

NEIC 21 18:49:55.2, 1.2, 8.31S: 0.08x160.0E: 0.1, h60kmz7km, mb4.7/10, Error ellipse: s-maj=18.7km s-min=11.3km

IDC 21 18:49:55.3, 1.5, 8.20S: 159.83E, h54km, 14km, mb4.1/20, mb1m, 4.22, ML4, 3.2, MS3.75, Error ellipse: s-maj=15.6km s-min=11.5km az=107.0

ISC 21 18:49:54.3, 0.3, 8.25S: 0.05x159.85E: 0.07, h50km, n410, o081/389, mb4.7/74, MS3.75, 1C, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, etc. and rows listing various astronomical objects with their coordinates and magnitudes.

Table with columns: TOZ, BBOO, WWO, etc. and rows listing various astronomical objects with their coordinates and magnitudes.

Table with columns: TOZ, BBOO, WWO, etc. and rows listing various astronomical objects with their coordinates and magnitudes.

21d 19h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like F19K Shalercuk Mo, SCM Sheep Creek Mo, KAIM Kayak Island, etc.

2019 MAY

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like G24K Hadweenzic Riv, J26L Joseph Creek, E23K Chandalar, etc.

1210

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like ZALV Zalesovo Beam, D28M Stokes Point, F30M Barrier River, etc.

WEL 21 19:05:54.2-0.6,35°S,5°17'9W, h12km, M5.1/18, ML5.3/18, MLV5.1/18, Error ellipse: s-maj=12.4km s-min=4.4km az=110.3, confirmed

NEIC 21 19:05:58.3-1.5,34°S,0°1'179.8W,0.2',h39km,6km, mb4.9/29, Error ellipse: s-maj=19.9km s-min=16.2km

IDC 21 19:06:01.9-1.8,34°55'S,179°88'W,h72km,14km,mb4.2/7, mbmp4.6/9,MS3.7/24, Error ellipse: s-maj=18.1km s-min=14.8km az=135.0

ISC 21 19:05:58.4-0.4,34°59'S,0°05'179.6W,0.07',h50km, n216,±173/204,mb4.7/27,MS3.8/24,4C-1D,South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, and Status. Includes stations like MXZ Matakaoa Point, WMGZ Waiomatatini S, PKGZ Pakihiroa, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like MCHZ, RITZ, CKHZ, KAHZ, KWZ, TMWZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like VNA3, VNA2, VNA1, VNA1, etc.

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

IDC 21 19:11:17.6:3.4, 22:10N:144.55E, h0km, mb3.6/5, mbmt3.6/5, Error ellipse = s-maj=140.0km

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

NEIC 21 19:16:00.5:2.0, 35:11N:0.0:1.96:31W:0.0:2, h5km, 1km, Error ellipse = s-maj=3.1km s-min=2.9km az=109.0

NEIC 21 19:16:00.3:1.9, 35.0970N:0.007:96.31W:0.0:2, h5km, 1km, mb_Lg2.9/1.0k, ML-3.2/2.6, ML-0.2/0.29, Error ellipse = s-maj=3.1km s-min=2.9km az=112.0, Oklahoma

2d 19h

Table with columns: Station, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Delay, Elevation Delay, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Drift, Elevation Drift, Azimuth Wander, Elevation Wander, Azimuth Flicker, Elevation Flicker, Azimuth Glitch, Elevation Glitch, Azimuth Drop, Elevation Drop, Azimuth Lock, Elevation Lock, Azimuth Hold, Elevation Hold, Azimuth Release, Elevation Release, Azimuth Abort, Elevation Abort, Azimuth Fail, Elevation Fail, Azimuth Warn, Elevation Warn, Azimuth Error, Elevation Error, Azimuth Alarm, Elevation Alarm, Azimuth Status, Elevation Status, Azimuth Mode, Elevation Mode, Azimuth Config, Elevation Config, Azimuth Data, Elevation Data, Azimuth Log, Elevation Log, Azimuth Trace, Elevation Trace, Azimuth Plot, Elevation Plot, Azimuth View, Elevation View, Azimuth Help, Elevation Help, Azimuth About, Elevation About, Azimuth Contact, Elevation Contact, Azimuth Support, Elevation Support, Azimuth Feedback, Elevation Feedback, Azimuth Privacy, Elevation Privacy, Azimuth Terms, Elevation Terms, Azimuth Policy, Elevation Policy, Azimuth License, Elevation License, Azimuth Copyright, Elevation Copyright, Azimuth Disclaimer, Elevation Disclaimer, Azimuth Warranty, Elevation Warranty, Azimuth Support, Elevation Support, Azimuth Contact, Elevation Contact, Azimuth Feedback, Elevation Feedback, Azimuth Privacy, Elevation Privacy, Azimuth Terms, Elevation Terms, Azimuth Policy, Elevation Policy, Azimuth License, Elevation License, Azimuth Copyright, Elevation Copyright, Azimuth Disclaimer, Elevation Disclaimer, Azimuth Warranty, Elevation Warranty.

CATAC 21 19:16:28.0±0.5, 13°N, 4°W, h34km, 5km, M3.5/15, MLV3.5/15, Error ellipse: s-maj=8.6km s-min=2.5km az=25.1, confirmed

SNET 21 19:16:27.8±1.6, 12°55'N, 88°01'W, h42km, ML3.6 ISC 21 19:16:27.1±1.7, 12°57'N, 0°07'W, h80km, 0.04, h34km, 3km, m54, c054272, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ISC, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their parameters.

VAO 21 19:25:08.9±2.3, 30°87'S, 71°62'W, h66km, 10km, mL4.5 SJA 21 19:25:11.1±0.8, 30°50'S, 71°39'W, h51km, 7km, ML4.4, MW4.4

GUC 21 19:25:12.3±0.7, 30°50'S, 71°24'W, h57km, 2km, ML4.6 NEIC 21 19:25:13.3, 30°49'S, 71°33'W, h58km

NEIC 21 19:25:13.2±1.6, 30°49'S, 0°03'71°33'W, 0.05, h58km, 4km, mb4.6/21, Mw4.4/37, ML4.6(GUC), Error ellipse: s-maj=6.7km s-min=2.5km az=114.0, Moment Tensor Solution: Moment tensor: Scale 10^11Nm; M1: 0.26; 0.4; M2: 0.54; M3: 0.80; M4: 0.36; M5: 0.15; Mw: 4.2; Fault plane solution: M4: 31000°-1015° NP1: 175, 15000°-86, 39000°-λ-89, 52000°-NP2: 347, 61000°-83, 64000°-λ-97, 53000°-Principal axes: T 4.5639, P141, 0.000°, Azm265.0000°; N -0.5512, P190.0000°; Azm355.0000°; P -0.4127, P149.0000°; Azm66.0000°

IDC 21 19:25:14.0±0.9, 30°54'S, 71°13'W, h63km, 7km, mb4.0/8, mbmp4.1/12, MS3.2/3. Error ellipse: s-maj=22.4km s-min=15.4km az=106.0

ISC 21 19:25:12.7±0.5, 30°49'S, 0°03'71°35'W, 0.04, h57km, 4km, m164, c19427, Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ISC, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their parameters.

2019 MAY

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ISC, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their parameters.

1212

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ISC, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their parameters.

NEIC 21 19:30:48.1±1.9, 35°43'N, 0°01'97°90'W, 0.01, h5km, 2km, Error ellipse: s-maj=1.6km s-min=1.3km az=190.0

NEIC 21 19:30:47.9±2.0, 35°43'N, 0°01'97°90'W, 0.01, h5km, 1km, mb_Lg2.4/16, ML2.2/13, ML2.5/42, Error ellipse: s-maj=2.6km s-min=1.8km az=223.0, Oklahoma

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ISC, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their parameters.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KQ038, OK048, OK051, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PYL2, Ithomi, Ithomi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VAE, DRME, BOSS, etc.

ADC 21 19:39:46.4±0.0, 49.60S; 116.17E, h0km, mb3.9/6, mbtmp3.9/6, MS3.5/2, Error ellipse: s-maj=51.8km

NEIC 21 19:39:47.2±1.2, 49.74S; 0.04; 115.9E; 0.3, h10km, 1km, mb4.4/15, Error ellipse: s-maj=29.5km s-min=6.1km

ISC 21 19:39:47.4±0.6, 49.66S; 0.08; 116.1E; 0.2, h10km, n39, 0.62; 31, mb4.2/11, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H01W2, H01W1, H01W3, etc.

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

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

NAO 21 19:46:02.3, 34.48N; 25.02E, h10km, mb4.0

MOS 21 19:46:20.1, 3.36; 07N; 21.48E, h10km, mb4.2/10, Error ellipse: s-maj=13.2km s-min=6.3km az=67.0

ATH 21 19:46:27.7, 36.58N; 21.75E, h6km, 2km, ML3.6/22, Manual Solution by A.Papageorgiou First location: 2019/05/21 19:47:35, This location: 2019/05/21 20:52:21

ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 3 km, Longitude uncertainty: 3 km

BEO 21 19:46:28.0, 9.36; 69N; 21.48E, h0km, ML3.5/3

THE 21 19:46:29.5, 37.1N; 1.22E, h3km, 2km, ML3.4/41, MLh3.4/41

ADC 21 19:46:32.0±2.1, 36.59N; 21.81E, h63km, 25km, mb3.6/10, mbtmp3.8/15, ML2.0/3, MS3.1/3, Error ellipse: s-maj=24.3km s-min=15.2km az=2.0

ISC 21 19:46:26.3±0.8, 36.53N; 0.02; 21.72E; 0.02, h15km, 5km, n169, 0.13; 36/22, mb3.9/16, MS3.0/3, 6C-1D, Southern Greece

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAP3, SAP3, SAP3, etc.

RSNC 21 19:52:16.0±0.3, 10.1N; 2.72W, h0km, M3.7, mb4.6, mb4.4, ML3.4, Mw(mb)3.8

FUNV 21 19:52:17.2, 9.97N; 71.75W, h2km, MW4.0

ISC 21 19:52:16.4±1.5, 9.97N; 0.03; 71.73W; 0.03, h9km, 11km, n28, 0.13; 32/47, 3C-1D, Lake Maracaibo

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

Table with columns for station code, name, time, and other parameters. Includes stations like SJCC, TAMC, BARC, BAUV, etc.

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PLA, AI, DNP, SRBI, etc.

IDC 21 20:17:53.9.0.6.52:47Sx12:98E, h0km, mb4.3/12, mbmp4.3/12, MS3.9/24, Error ellipse: s-maj=23.2km s-min=16.7km az=77.0

NEIC 21 20:17:55.4.1.1.52:55.0:1:13:0E:0:2, h10km, 1km, mb4.6/21, Error ellipse: s-maj=20.0km s-min=18.6km az=79.0

GCMT 21 20:17:56.4.0.4.52:55S:0:0:2:12:94E:0:08, h24km, 1km, MW4.9/70, Moment Tensor Solution. s15,c17; s70c88; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=2.78z.27; Mw=2.0.06z.11; Mo=0.0.0z.18; Mo=0.0z.23z.11; Mw=1.01z.28; Best double couple: M2.92200/-0.1016

ISC 21 20:17:55.0:0.5.52:47S:0:09:13:0E:0:1, h10km, n79, az=77.5/11, mb4.6/19, MS3.9/24, 3C, Southwest of Africa

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SNAE, SNA, VNA1, VNA2, SUR, etc.

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PTBL, PONTES e Lacer, SIW, H01W2, etc.

CATAC 21 20:24:01.2:0.3.13°N:3°8'W, h28km, M3.6/18, MLV3.5/11, Error ellipse: s-maj=2.2km s-min=2.3km az=25.9, confirmed

NET 21 20:24:01.9:1.7.12:69N:87:97W, h64km, ML3.6 UCR 21 20:24:02.3:1.7.12:51N:87:96W, h42km, 1.03M, MW3.5

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

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

CATAC 21 20:31:49.0:4.0.10°N:3°8'W, h16km, 3km, M3.5/11, MLV3.5/11, Error ellipse: s-maj=5.9km s-min=3.3km az=29.5, confirmed, Costa Rica

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LCR2, LCR2, SOCE, SOCE, etc.

IDC 21 20:47:14.0:0.6.22:11N:144:88E, h0km, mb4.0/18, mbmp4.0/20, ML4.0/2, MS3.4/9, Error ellipse: s-maj=25.2km s-min=15.1km az=77.0

NEIC 21 20:47:18.3:1.7.22:19N:0:08:145:0E:0:1, h24km, 4km, mb4.6/59, Error ellipse: s-maj=15.9km s-min=11.6km az=72.0

ISC 21 20:47:19.2:0.4.22:17N:106:144:95E:0:09, h35km, n103, az=87/98, mb4.5/44, MS3.3/6, Volcans Ikskars region

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

1215

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like CHIR, ZALV, FORT, MKAR, MAZK, Q19K, P19K, SY1, WUS, MORW, KURK, KURBB, PRZ, CAST, CASC, BPAW, TRF, KDJ, KDJ, BOOM, SCMS, TOLK, NWAO, ILAR, ILAR, D25K, ARSB, BVAR, BVAR, BRVK, BRVK, KK31, KK31, KARAT, KARAT, CHGR, SIMJ, SIMJ, G31M, G31M, KBL, KBL, N32M, N32M, PLWZ, ABKAR, ABKAR, ABKAR, ABKAR, BBB, BBA, ARCS, ARCS, ARCS, ARCS, NVAR, ELK, ELK, KBZ, KBZ, FIA1, FIA1, FIA1, FIA1, HFS, HFS, NOA, NOA, PLCA, PLCA, BIO2, COO2, LPO, LPO.

NEIC 21 20:54:51.9, 1.3, 19.03N, 0.06E, 146.06E, 0.09, h89km, 5km, mb4.6/99, Error ellipse: s-maj=12.1km s-min=8.3km az=90.0

ICD 21 20:54:53.7, 1.9, 19.02N, 146.03E, h108km, 17km, mb4.0/25, mbmp4.4/29, MS3.2/5, Error ellipse: s-maj=19.0km s-min=9.1km az=93.0

ISC 21 20:54:53.6, 0.3, 19.01N, 0.04E, 146.06E, 0.09, h109km, n165, o085/150, mb4.5/74, Mariana Islands region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like GUMO, GUMO, JCCJ, JCCJ, JCCJ, JCCJ, PATS, JOW, INU, JGF, JGF, JMN, JMN, MJAR, MAJO, MAJO, MJB9, MJB9, H1S3, H1S3, H1S1, H1S1, JUNU, JUNU.

2019 MAY

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like JUNU, H1S2, H1N1, H1N2, H1N3, JSD, JSD, MANU, MANU, JAY, JAY, JTM, KSRs, TGY, JKA, JKA, FAKI, FAKI, N2J, N2J, USA0B, USA0B, USA0B, USA0B, PMG, PMG, PMG, KKM, KKM, COEN, COEN, HEH, HEH, MTN, MTN, PEAOB, PETK, SOEI, SOEI, HHC, HHC, CTAO, CTAO, WRB, WRB, WRB, WRB, WRAB, WRAB, WRA, WRA, WRA, WRA, PZH, PZH, PZH, FITZ, FITZ, UNL, UNL, SOLN, SOLN, AS31, AS31, ASAR, ASAR, ASAR, ASAR, EIDS, EIDS, YAK, YAK, CMAR, CMAR, DZM, DZM, MBWA, MBWA, PSA00, PSA00, PSA00, PSA00, ARMA, ARMA, ARMA, LVA, LVA, AKUT, AKUT, STKA, STKA, BBOO, BBOO, FORT, FORT, TIXI, TIXI, TIXI, CAN, CAN, K13K, K13K, O15K, O15K, MORW, MORW, ACHA, ACHA, ZALO, ZALO, ZALV, ZALV, H17K, H17K, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, NWAO, NWAO, MAZK, MAZK, G18K, G18K, CNPM, CNPM, CAST, CAST, CAST, B20K, B20K, KURK, KURK, KURBB, KURBB.

21d 20h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like F21K, F21K, BPAW, BPAW, NR1K, NR1K, NR1K, NR1K, TRF, TRF, TRF, KDJ, KDJ, RND, RND, D22K, D22K, E22K, E22K, KLU, KLU, KLU, H24K, H24K, C23K, C23K, ILAR, ILAR, E24K, E24K, D24K, D24K, J25K, J25K, RIDG, RIDG, DOT, DOT, RTZ, RTZ, RTZ, SCRK, SCRK, D25K, D25K, BKZ, BKZ, J26L, J26L, BMAR, BMAR, G26K, G26K, BCAR, BCAR, BVAR, BVAR, KK31, KK31, KKAR, KKAR, G31M, G31M, AB31, AB31, AB31, ABKAR, ABKAR, ABKAR, ABKAR, EUNU, EUNU, YKAW3, YKAW3, YKAW3, YKAW3, YKA, YKA, YKA, YKA, YKAW1, YKAW1, SPA0, SPA0, SPB2, SPB2, SPIT5, SPIT5, KBS, KBS, KBS, KBS, RES, RES, J05D, J05D, PINE, PINE, PINE, VADS, VADS, KEV, KEV, ARA0, ARA0, ARA0, ARCS, ARCS, NVAR, NVAR, KTK1, KTK1, KTT, KTT, BLKN, BLKN, ILON, ILON, STEI, STEI, RLMT, RLMT, FINES, FINES, FINES, PDAR, PDAR, VAGH, VAGH, MORB, MORB, ULM, ULM, HFS, HFS, NOA, NOA, NC60, NC60, BRTR, BRTR, TORD, TORD, MT01, MT01, MT09, MT09, MT02, MT02, PB08, PB08.

NEIC 21 20:58:37.5, 0.7, 36.001N, 0.004E, 97.31W, 0.01, h7km, 4km, Error ellipse: s-maj=1.2km s-min=0.2km az=68.0

NEIC 21 20:58:37.3, 0.6, 36.000N, 0.008E, 97.311W, 0.009, h5km, 1km, mb, Lg2.9/80, ML3.2/61, ML3.1/43, Error ellipse: s-maj=2.6km s-min=1.4km az=106.0, Oklahoma

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes station OK029 Liberty Lake.

21d 21h

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like OK029, ADOK, OK031, etc.

2019 MAY

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like SGCY, KSCCO, 435B, etc.

1216

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like LPLA, AZU, AZU, etc.

1217

Table with columns: Station Name, Elevation, Frequency, Band, Mode, Power, and other technical details. Includes stations like V55A Taylorsville, VHRN Van Horn, V58A Windy Hill, etc.

2019 MAY

Table with columns: Station Name, Elevation, Frequency, Band, Mode, Power, and other technical details. Includes stations like ULM comp=Z,4.8nm,0.8s,baz=181,slow=6.9,SNR=3.0, RCBR comp=Z,4.8nm,0.8s, etc.

21d 21h

Table with columns: Station Name, Elevation, Frequency, Band, Mode, Power, and other technical details. Includes stations like F19K Shaleruckik Mo, G18K Tagagawik, FALS comp=Z,312nm,22.0s, etc.

Table with columns: Code, Station Name, Elevation, Frequency, Band, Mode, Power, and other technical details. Includes stations like VAO6 Catapilco, VAO6 Fray Jorge, etc.

IDC 21 21:20:18.6:2.2,31:74S:72:15W,h0km,mb3.8/1, mBmp3.04,ML4.1/3,MS2.0/1, Error ellipso: s=1nj=122.5km s/min=26.7km az=95.0

SJA 21 21:20:19.6:0.7,31:72S:72:32W,h40km,gg9km,ML3.5, MW3.7

GUC 21 21:20:21.0:2.0,9:31:71S:72:14W,h38km,4km,ML3.6

ISC 21 21:20:18.1:1.1,31:75S:0:03:72:24W,0.06,h5km,6km,n47,+194/73,7C-1D,Off coast of central Chile

Table with columns: Code, Station Name, Elevation, Frequency, Band, Mode, Power, and other technical details. Includes stations like VAO6 Catapilco, VAO6 Fray Jorge, etc.

21d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like San Esteban, Curacav, Peldehue, Tololo Observa, Renca, Cerro Caljn, CCHEN, Popeta, Universidad Ad, Talagante, Olivares, Leoncito, Bocatomora, Juntas del Tor, San Alfonso, Las Melosas, Tunca, Reserva Natura, Rodeo, Cerro Coronel, Llanos de Chal, Valle Fertil, Juan Fernandez, H03N1, H03N2, H03N3, Paso Flores, PLCA, LPAZ, San Ignacio, SIV, SNAIA, Borovoye Array, Kurבחatov Arra, ZALVO, ZALV, ZALV.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Soe, Baumata, Maumera, Ende, Flores, Baing, Sumba, Waiwangapu, Waiwabubak, Su, Bau Bau, Buton, Plampang, LUWI, FITZ, FITZ, WRA, WRA, ASAR, ASAR.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Nonsavu, MKAR, MAW, ZALV, BVAR, CGG 21:21:42:44.0-0.9, 12.86N, 91.28W, h62km, 124km, MD4.1, Off coast of central America, QSPA, QSPA, RAR, PPT, H03S2, H03S3, H03N1, H03N2, H03N3, SNAIA, STKA, NNA, LPAZ, LPAZ, ASAR, ATAH, H01W1, H01W2, H01W3, WRA, WRA, FITZ, JPS, KATI, BOSHA, LBTH, ELK, TIXI, ESCD, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NLAJ, SANI, AAI, MSAI, BNDI, BBSI, APSI, SWI, MRSI, FAKI, BNSI, BSSI, BKSI, SPSI, KAP, KAP, MSAI, WRA, WRA, ASAR, MKAR, KURBH, BVAR, TIXI, TIXI, ILAR, ILAR, NEIC.

1218

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TNTI, LUWI, FAKI, SOEI, KAPI, KAPI, KAPI, TOLIZ, TOLIZ, KNRA, FITZ, FITZ, FITZ, WBO, WBO, WRA, WRA, MBWA, COEN, COEN, AS31, ASAR, BBDO, BBDO, STKA, STKA, CMAR, CHTO, CHTO, KRSR, MJAR, LSA, LSA, USRK, USRK, EVN, ULN, SONM, SONM, MKAR, MKAR, MAKZ, MAKZ, YAK, YAK, AAK, KBL, KBL, GAR, GAR, ZALV, ZALV, KURBH, KURBH, KURK, KURK, BVAR, BVAR, TIXI, TIXI, VNSA, GQSA, PSI, PSI, PSI, GSI, GSI, MNSI, CMAR, WRA, MKAR, SONM, ASAR, ASAR, ZALV, BVAR, ARCES.

HLW 21 22:26:01.0, 35:55N-24:94E, h6km, 18km, Md3.2, Mb3.6
IDC 21 22:26:01.6-0.8, 35:85N-24:76E, h58km, 16km, mb3.5/11,
mbmp3.8/13, Error ellipse: s-maj=23.5km s-min=17.8km
az=171.0

ISK 21 22:26:03.4, 35:83N-24:71E, h2km, ML3.5/18
ATH 21 22:26:04.8, 35:77N-24:68E, h58km, 2km, ML3.8/18,
Manual Solution by A. Papageorgiou First location:
2019/05/21 22:27:01, This location: 2021/05/15 19:45:06
ML Amplitudes are expressed in micrometers, All
distances are expressed in degrees Latitude uncertainty: 0
km, Longitude uncertainty: 1km

THE 21 22:26:05.1, 36:1N-1:52E, h57km, 3km, M3.5/39,
MLh3.5/39
GII 21 22:26:07.0-0.0, 35:367N-0:003-25:620E:0:001,
h1km, Mws3.5/2, confirmed

AFAD 21 22:26:11.0, 36:10N-25:00E, h35km, ML0.0
ISC 21 22:26:02.1-0.4, 35:75N-0:02-24:72E:0:02, h77km, 3km,
n240, e2s31/275, mb3.7/11, 12C-6D, Crete

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

Main table of seismic stations with columns: DDIM, Aydin, Didim, 2.65 49 P, Pn, 22 26 45.1 +2.4, 22 27 13.3 -0.5, 22 27 38.0. Lists stations like Aydin, Didim, Zeyve, Zeyve, Zeyve, etc.

Table of seismic stations with columns: NBNS, Bani Suef, 9.03 140 P, Pn, 22 28 09.2 -0.5, 22 28 08.0 -2.3, 22 28 09.6 -1.1, etc. Lists stations like Bani Suef, BBSL, WFRF, etc.

IDC 21 22:59:04.1±1.1, 18:405x177:87W, h589km, 11km, mb3.2/9,
mbmp4.1/10, Error ellipse: s-maj=19.7km s-min=13.1km
az=145.0
ISC 21 22:59:04.6-0.7, 18:3S-0:2-177:9W:0:1, h600km, n18,
e085/19, mb3.6/8, Fiji Islands region

Table of seismic stations with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MSVF, Nonsavu, 3.86 277 P, Pn, 23 00 28.5 -0.7, etc.

IDC 21 23:17:31.9±1.1, 60:15N-150:37W, h0km, mb3.5/3,
mbmp3.5/6, ML3.3/3, Error ellipse: s-maj=27.4km
s-min=9.9km az=116.0
AECI 21 23:17:33.9±1.4, 60:50N-0:02-151:46W:0:04, h72km, 6km,

21d 23h

2019 MAY

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ML3.0, ML3.2/202(NEIC), Error ellipse: s-maj=4.0km s-min=2.1km az=220.0 NEIC 21 23:17:33.5-1.2, 60.51N, 0.03-151.54W, 0.04, h72km, 6km, Error ellipse: s-maj=4.0km s-min=3.0km az=165.0 ISC 21 23:17:34.0-0.8, 60.50N, 0.03-151.56W, 0.03, h75km, 7km, n187, 0.190/213, mb3.3/3, Kenai Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CAPN, CAPN, RDT, RDT, DFR, DFR, RED, RED, RDJH, RDJH, RDWB, RDWB, SKLM, SKLM, SKLM, SKLM, SPCR, SPCR, SPCR, SPCR, BRLL, BRLL, BRLL, BRLL, BRLL, BRLL, HOM, HOM, BRSE, BRSE, SPBG, SPBG, COOP, COOP, FIS, FIS, FIS, FIS, ILS, ILS, CNPM, CNPM, CNFM, CNFM, STLK, STLK, STLK, STLK, SUA, SUA, SUA, SUA, RC01, RC01, RC01, RC01, SEW, SEW, SEW, SEW, OPT, OPT, P19K, P19K, P19K, P19K, M22K, M22K, M22K, M22K, AU22, AU22, N19K, N19K, N19K, N19K, AUCH, AUCH, SKT, SKT, SKT, SKT, M20K, M20K, M20K, M20K, PMR, PMR, PWL, PWL, PWL, PWL, KNK, KNK, GHO, GHO, GHO, GHO, Q19K, Q19K, O18K, O18K, O18K, O18K, SYI, SYI, SYI, SYI, CUT, CUT, CUT, CUT, SML, SML, SML, SML, N18K, N18K, N18K, N18K, P18K, P18K, GLI, GLI, GLI, GLI, M23K, M23K, L20K, L20K, L18K, L18K, L19K, L19K, PPLA, PPLA, PPLA, PPLA, SCM, SCM, SCM, SCM, HIN, HIN, HIN, HIN, FID, FID, FID, FID.

Table with columns: KAHH, KAHC, KDAK, KDAK, KDAK, KDAK, KDAK, KDAK, N17K, N17K, N17K, N17K, O17K, O17K, O17K, O17K, DIV, DIV, DIV, DIV, KLU, KLU, CAST, CAST, ACHA, ACHA, M17K, M17K, M17K, M17K, L18K, L18K, L18K, L18K, TRF, TRF, TRF, TRF, M24K, M24K, M24K, M24K, ANCK, ANCK, KTH, KTH, KTH, KTH, K20K, K20K, CNTC, CNTC, TTA, TTA, R18K, R18K, R18K, R18K, R18K, R18K, GOAT, GOAT, O16K, O16K, O16K, O16K, OHAK, OHAK, OHAK, OHAK, BMRM, BMRM, MCK, MCK, MCK, MCK, N25K, N25K, N25K, N25K, P16K, P16K, P16K, P16K, P16K, P16K, KAIM, KAIM, KAIM, KAIM, KAIM, KAIM, HMT, HMT, BPAW, BPAW, L17K, L17K, M16K, M16K, PAX, PAX, PAX, PAX, J18K, J18K, J18K, J18K, J20K, J20K, J20K, J20K, BERG, BERG, K17K, K17K, K17K, K17K, J19K, J19K, L16K, L16K, L16K, L16K, KHIT, KHIT, CRQM, CRQM, CRQM, CRQM, SII, SII, SII, SII, N15K, N15K, N15K, N15K, MCARA, MCARA, NEAZ, NEAZ, K2AK, K2AK, WRH, WRH, WAX, WAX, O15K, O15K, O15K, O15K, O15K, O15K, MENT, MENT, MENT, MENT, HDA, HDA, HDA, HDA, BARK, BARK, PTPK, PTPK, M15K, M15K, CCB, CCB, I20K, I20K, RIDG, RIDG, RIDG, RIDG, RIDG, RIDG, M26K, M26K, M26K, M26K, J17K, J17K, L26K, L26K, L26K, L26K, COLA, COLA, COLA, COLA.

Table with columns: DOT, DOT, DOT, DOT, I23K, I23K, MESA, MESA, IL31, IL31, ILAR, ILAR, ILAR, ILAR, GRNC, GRNC, GRNC, GRNC, SCRR, SCRR, M27K, M27K, M27K, M27K, J25K, J25K, J25K, J25K, CTGM, CTGM, CTGM, CTGM, O14K, O14K, O14K, O14K, N14K, N14K, N14K, N14K, J16K, J16K, J16K, J16K, K15K, K15K, LOGN, LOGN, LOGN, LOGN, H21K, H21K, H20K, H20K, L27K, L27K, BCAR, BCAR, YUK2, YUK2, H23K, H23K, H17K, H17K, J26L, J26L, O28M, O28M, H24K, H24K, H18K, H18K, K27K, K27K, PNP, PNP, M13K, M13K, H17K, H17K, G21K, G21K, I26K, I26K, G23K, G23K, G18K, G18K, H25L, H25L, G24K, G24K, M29M, M29M, DAWY, DAWY, COLD, COLD, L29M, L29M, G16K, G16K, N30M, N30M, F24K, F24K, I28M, I28M, H27K, H27K, G26K, G26K, S12K, S12K, F17K, F17K, K29M, K29M, E19K, E19K, HAG, HAG, F25K, F25K, BMAR, BMAR, E23K, E23K, G27K, G27K, G24K, G24K, F15K, F15K, F26K, F26K, E18K, E18K, E17K, E17K, E25K, E25K, H23M, H23M, I30M, I30M, C23K, C23K, E29M, E29M, B22K, B22K, U33K, U33K, YKA, YKA, ELK, ELK, PDAR, PDAR, PDAR, PDAR, TXAR, TXAR, TXAR, TXAR, GCG 21 23:24:31.4±1.8, 1403N-90.12W, h4km±11km, MD3.9, Guatemala, NUBE, NUBE, NUBE, NUBE, FG8, FG8, FG8, FG8, JUAM, JUAM, JAYA, JAYA, JAYA, JAYA, ESSG, ESSG, HAD3, HAD3, LALI, LALI, STG8, STG8, MARCA, MARCA, IDC 21 23:29:05.9-1.2, 34.37S-179.46W, h0km, mb4.0/3, mbmp4.1/4, ML4.5/1, Error ellipse: s-maj=36.7km s-min=33.4km az=126.0 WEL 21 23:29:13.5-1.1, 35.56S-180.0W, 1.2, h12km, M4.3/13, ML4.4/14, ML4.4/13, Error ellipse: s-maj=15.7km s-min=6.8km az=102.9, confirmed ISC 21 23:29:11.2-1.2, 34.85S-0.09-179.4W, 0.1, h10km, n52, 0.132/64, mb4.0/3, South of Kermadec Islands, Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like DOT, DOT, I23K, I23K, MESA, MESA, IL31, IL31, ILAR, ILAR, ILAR, ILAR, GRNC, GRNC, GRNC, GRNC, SCRR, SCRR, M27K, M27K, M27K, M27K, J25K, J25K, J25K, J25K, CTGM, CTGM, CTGM, CTGM, O14K, O14K, O14K, O14K, N14K, N14K, N14K, N14K, J16K, J16K, J16K, J16K, K15K, K15K, LOGN, LOGN, LOGN, LOGN, H21K, H21K, H20K, H20K, L27K, L27K, BCAR, BCAR, YUK2, YUK2, H23K, H23K, H17K, H17K, J26L, J26L, O28M, O28M, H24K, H24K, H18K, H18K, K27K, K27K, PNP, PNP, M13K, M13K, H17K, H17K, G21K, G21K, I26K, I26K, G23K, G23K, G18K, G18K, H25L, H25L, G24K, G24K, M29M, M29M, DAWY, DAWY, COLD, COLD, L29M, L29M, G16K, G16K, N30M, N30M, F24K, F24K, I28M, I28M, H27K, H27K, G26K, G26K, S12K, S12K, F17K, F17K, K29M, K29M, E19K, E19K, HAG, HAG, F25K, F25K, BMAR, BMAR, E23K, E23K, G27K, G27K, G24K, G24K, F15K, F15K, F26K, F26K, E18K, E18K, E17K, E17K, E25K, E25K, H23M, H23M, I30M, I30M, C23K, C23K, E29M, E29M, B22K, B22K, U33K, U33K, YKA, YKA, ELK, ELK, PDAR, PDAR, PDAR, PDAR, TXAR, TXAR, TXAR, TXAR, GCG 21 23:24:31.4±1.8, 1403N-90.12W, h4km±11km, MD3.9, Guatemala, NUBE, NUBE, NUBE, NUBE, FG8, FG8, FG8, FG8, JUAM, JUAM, JAYA, JAYA, JAYA, JAYA, ESSG, ESSG, HAD3, HAD3, LALI, LALI, STG8, STG8, MARCA, MARCA, IDC 21 23:29:05.9-1.2, 34.37S-179.46W, h0km, mb4.0/3, mbmp4.1/4, ML4.5/1, Error ellipse: s-maj=36.7km s-min=33.4km az=126.0 WEL 21 23:29:13.5-1.1, 35.56S-180.0W, 1.2, h12km, M4.3/13, ML4.4/14, ML4.4/13, Error ellipse: s-maj=15.7km s-min=6.8km az=102.9, confirmed ISC 21 23:29:11.2-1.2, 34.85S-0.09-179.4W, 0.1, h10km, n52, 0.132/64, mb4.0/3, South of Kermadec Islands, Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like DOT, DOT, I23K, I23K, MESA, MESA, IL31, IL31, ILAR, ILAR, ILAR, ILAR, GRNC, GRNC, GRNC, GRNC, SCRR, SCRR, M27K, M27K, M27K, M27K, J25K, J25K, J25K, J25K, CTGM, CTGM, CTGM, CTGM, O14K, O14K, O14K, O14K, N14K, N14K, N14K, N14K, J16K, J16K, J16K, J16K, K15K, K15K, LOGN, LOGN, LOGN, LOGN, H21K, H21K, H20K, H20K, L27K, L27K, BCAR, BCAR, YUK2, YUK2, H23K, H23K, H17K, H17K, J26L, J26L, O28M, O28M, H24K, H24K, H18K, H18K, K27K, K27K, PNP, PNP, M13K, M13K, H17K, H17K, G21K, G21K, I26K, I26K, G23K, G23K, G18K, G18K, H25L, H25L, G24K, G24K, M29M, M29M, DAWY, DAWY, COLD, COLD, L29M, L29M, G16K, G16K, N30M, N30M, F24K, F24K, I28M, I28M, H27K, H27K, G26K, G26K, S12K, S12K, F17K, F17K, K29M, K29M, E19K, E19K, HAG, HAG, F25K, F25K, BMAR, BMAR, E23K, E23K, G27K, G27K, G24K, G24K, F15K, F15K, F26K, F26K, E18K, E18K, E17K, E17K, E25K, E25K, H23M, H23M, I30M, I30M, C23K, C23K, E29M, E29M, B22K, B22K, U33K, U33K, YKA, YKA, ELK, ELK, PDAR, PDAR, PDAR, PDAR, TXAR, TXAR, TXAR, TXAR.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like CMAR, CHTO, CHIANG MAI, CHIANG MAI, etc.

IDC 21 23:38:02.3.9.4, 35.22N:69.56E, h0km, mb3.6/3, mbmp3.5/6, ML3.1/3, Error ellipse: s-maj=163.1km s-min=40.4km az=157.0

BUI 22 00:39:28.7, 13.64N:92.85E, h14km, mB5.6/73, mb5.5/97, Ms5.5/99, Ms7.5/4/99

MOS 22 00:39:30.7, 0.9, 13.81N:92.93E, h18km, mb6.2/95, Ms5.2/50, Error ellipse: s-maj=5.9km s-min=3.3km az=116.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IDC 21 23:38:22.2.3.6, 36.3N:02.69E, etc.

NEIC 22 00:39:32.2, 13.89N:92.95E, h22km, Moment tensor solution: M1=2.27, M2=0.39, M3=1.88, M4=0.49, M5=2.04, M6=2.19

NEIC 22 00:39:32.2, 13.89N:92.95E, h10km, Moment tensor solution: M1=2.27, M2=0.39, M3=1.88, M4=0.49, M5=2.04, M6=2.19

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Includes stations like IDC 21 23:56:00.5.0.8, 41.60S:41.05E, etc.

IDC 22 00:39:34.4, 13.29N:92.80E, h41km, 1km, mb6.2, mB.6/4, Ms5.3, NDI 22 00:39:41.4, 1.5, 13.84N:92.94E, h30km, mb5.9, ML5.9, MW5.9

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

22d 0h

Table with columns for QIZ, comp, and various numerical values. Includes entries like Qiongzhong, Bhopal, Guiyang, Poona, Chengdu, etc.

2019 MAY

Table with columns for WHN, comp, and various numerical values. Includes entries like Beinan, Suanglung, Suanglung, etc.

1222

Table with columns for WMO, comp, and various numerical values. Includes entries like Palu, HongShan, Jajag, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KIV, KISLOVODSK, BINGI, WARRAMUNGA ARR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ASAR, ALICE SPRINGS, DAREDE-MALATY, etc.

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

22d Oh

Table with columns: ISD, Isparta, 59.99 306, IAMs_20, IAMs_20, 01 18 47.1, and various flight details including destinations like SHUT, KORT, BORA, GULT, BASM, ELL, SAUV, AKAS, KLMR, etc.

2019 MAY

Table with columns: CFR, Carcaliu, 62.65 314, and various flight details including destinations like SHUT, KORT, BORA, GULT, BASM, ELL, SAUV, AKAS, KLMR, etc.

1226

Table with columns: MLR, Muntele Rosu, 64.23 314, and various flight details including destinations like SHUT, KORT, BORA, GULT, BASM, ELL, SAUV, AKAS, KLMR, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like SUW, MDRV, SKO, BZS, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like STEB, JAVC, MPLH, MORC, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like TRO, BOJS, SOKA, GC1S, etc.

22d Oh

2019 MAY

1228

Table with columns: Name, Location, Time, Status, and other details. Includes entries like AQU L'Aquila, GUMA Guilda di Mace, WET Wetzell, etc.

Table with columns: Name, Location, Time, Status, and other details. Includes entries like OVD Ostervraa, BSEG Bad Segeberg, CLZ Clausthal, etc.

Table with columns: Name, Location, Time, Status, and other details. Includes entries like KEST SNR=60, ASK Askoy, ASK Ask, etc.

22d Oh

Table with columns for station ID, name, coordinates, and status. Includes stations like ESDC, ESDC, NEEM, D24K, J19K, J19K, TOLK, TOLK, O15K, O15K, O15K, E23K, E23K, TTA, TTA, TTA, L18K, L18K, L18K, M17K, M17K, H21K, H21K, H21K, VAL, VAL, J20K, J20K, J20K, J20K, J20K, D25K, D25K, D25K, E24K, E24K, E24K, C26K, C26K, C26K, O16K, O16K, O16K, H22K, H22K, H22K, N17K, N17K, N17K, BORG, BORG, G23K, G23K, G23K, I21K, I21K, I21K, K20K, K20K, K20K, M18K, M18K, M18K, P16K, P16K, P16K, L19K, L19K, L19K, O17K, O17K, O17K.

2019 MAY

Table with columns for station ID, name, coordinates, and status. Includes stations like O17K, F24K, F24K, SDPT, SDPT, C27K, C27K, C27K, S14K, S14K, PBRG, PBRG, N18K, N18K, N18K, CHUM, CHUM, L20K, L20K, L20K, SUMG, SUMG, M19K, M19K, M19K, M19K, M19K, TOAO, TOAO, TOAO, TORO, TORO, TORO, TORO, H23K, H23K, H23K, E25K, E25K, E25K, P17K, P17K, P17K, CAST, CAST, CAST, CAST, MVO, MVO, MVO, MVO, G24K, G24K, G24K, BPAW, BPAW, BPAW, Q16K, Q16K, Q16K, CHNA, CHNA, CHNA, F25K, F25K, F25K, CNBA, CNBA, CNBA, I23K, I23K, I23K, N19K, N19K, N19K, PPLA, PPLA, PPLA, O18K, O18K, O18K, M20K, M20K, M20K, M20K, H24K, H24K, H24K, KTH, KTH, KTH, G25K, G25K, G25K, PVRL, PVRL, PVRL, P18K, P18K, P18K, P18K.

1230

Table with columns for station ID, name, coordinates, and status. Includes stations like P18K, MDT, MDT, POLO, POLO, O19K, O19K, F26K, F26K, F26K, D27M, D27M, D27M, PCAB, PCAB, BMAR, BMAR, NEA2, NEA2, NEA2, MTE, MTE, MTE, MTE, MTE, PGAV, PGAV, PGAV, PGAV, TRF, TRF, TRF, TRF, PCBR, PCBR, SFS, SFS, PVIS, PVIS, TULEG, TULEG, TULEG, PMRV, PMRV, PMRV, PMRV, H25L, H25L, H25L, FYU, FYU, FYU, COLA, COLA, COLA, COLA, PBAR, PBAR, Q18K, Q18K, Q18K, SKT, SKT, SKT, N20K, N20K, N20K, SPCR, SPCR, E27K, E27K, E27K, E27K, MCK, MCK, MCK, SPU, SPU, PESTR, PESTR, PESTR, G26K, G26K, G26K, MSVF, MSVF, RED, RED, D28M, D28M, D28M, JCY, JCY, JCY, CUT, CUT, CUT, P19K, P19K, P19K, P19K.

Table with columns for station code, name, frequency, and other details. Includes stations like CRQM, CRQE, ILULI, POIN, K29M, K29M, TGL, SUCK, BKZ, WAX, L29M, L29M, YUK3, SNH, RTZ, URZ, GRNC, CTG, CTGM, M29M, LOGN, MESA, MESA, MESA, YUK8, O28M, O28M, MXZ, YUK4, YUK6, SFJD, SFJD, SFJD, SFJD, N30M, N30M, N30M, O29M, O29M, H31T, MYT, M31M, N31M, N31M, N31M, N31M, DBIC, DBIC, DBIC, O30N, O30N, O30M, P29M, P29M, M31M, M31M, WHY, PLBC, N32M, N32M, ELIB, SKAG, SKAG, P33M, P33M, P32M, P32M, R31K, S31K, BESE, TGNT, WRGL, R32K.

Table with columns for station code, name, frequency, and other details. Includes stations like JIS, Q32M, Q32M, R33M, R33M, SIT, S32K, PMOZ, PMOZ, PMOZ, Vnda, Vnda, WTLY, S34M, S34M, DLBC, DLBC, UL3C, UL3C, CRAG, YKAW, T35M, YKA, YKA, YKA, YKAW, TOAD, V35K, TROLL, QSPA, QSPA, QSPA, QSPA, VNA2, VNA3, SCHO, SCHO, NEW, MSO, ULM, ULM, ULM, DLMT, BOZ, BOZ, BOZ, LAO, YHL, AGMN, YHB, F64A, EYMN, E28A, FWXV, LOHW, SNOW, AHD, E38A, ELK, WAKR, WVL, PDAR, PDAR, F33A, E46A, RSSD, RSSD, RSSD, NVAR, NVAR, NVAR, I63A, F42A, LONY, I62A, SUSD, K22A, G40A, R11B, J59A, H43A, ECSD, PSUT, J57A, HRV, WES, I42A, L64A.

Table with columns for station code, name, frequency, and other details. Includes stations like K30B, M65A, Q16A, M63A, BINY, BRIGG, L56A, K43A, OGNE, L34A, ISCO, BGNE, BGNE, N62A, L42A, M52A, N58A, M50A, PFO, PFO, SSPA, SSPA, N53A, KSCO, N47A, WUAZ, ACSO, O52A, ESPZ, P57A, MCWV, Q56A, P48A, Q52A, Q51A, CBN, Q44A, WCI, WCI, WCI, CCM, CCM, U54A, U54A, U56A, TUL3, V58A, WVT, WVT, WVT, W59A, KMCS, W50A, PLAL, MIAR, MIAR, Y60A, Y57A, Y58A, Y45A, Y45A, NHSC, Z47A, GDU01, CMC01, VBMS, 257A, TX31, TX31, TXAR, TXAR, TXAR, TXAR, DIAM, MAN01, JANB, SDBA, BSCB, PARB, TMAR, PMNB, VAO, SMTB, CBE, PET01, GRTK, GRTK, SJK.

Main table containing station codes, names, coordinates, and various data columns for stations across Taiwan and other regions.

Technical details for station IDC 22:01:37, including coordinates, station name, and various parameters like azimuth, elevation, and error ellipses.

Table with columns for station ID, name, coordinates, and status. Includes stations like CNSH, GULI, QIZ, JUNU, KSAR, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like F15K, G15K, J14K, M13K, L14K, D17K, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like P17K, M18K, N18K, H20K, KBZ, B22K, etc.

1235

Table with columns: Station ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like G24K, H24K, H24K, H24K, etc.

2019 MAY

Table with columns: Station ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like DAWY Dawson, I29M Ogilvie Camp, CTG Chitna Glacier, etc.

22d 1h

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like STG8 El Palmar, Qui, ESSG Sabana Grande, SOKI Kika Raquxin, etc.

NEIC 22 01:39:56.0±2.2, 7°16'S; 0°08'129"13E, 0.07±1.6km, 6km, mb4.7/54, Error ellipse: s-maj=11.1km s-min=9.5km, az=185.0

IDA 22 01:39:56.4±1.9, 7°23'S; 128°95'E, h177km±1.7km, mb3.9/13, mbmp4.4/16, Error ellipse: s-maj=23.5km s-min=10.6km, az=66.0

DJA 22 01:39:56.0±2.2, 7°16'S; 12°12'9"E, h179km±3km, M4.9/46, mb4.9/46, mB5.3/20, MLV5.4/15, Mw(mB)4.8/20

ISC 22 01:39:57.8±0.3, 7°23'S; 0°04'129"14E, 0.05±0.05, h200km±208, s=190/212, mb4.5/53, 1D, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Type, and other parameters. Includes stations like SAUI Saumlaki, SAUI Saumlaki, SAUI Saumlaki, etc.

GCG 22 01:39:24.0±0.6, 14°26'N; 91°36'W, h68km±12km, MD3.6, Guatemala

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like MTSU Mount Surprise, KKM Kota Kinabalu, UGM Wanagama, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like MAK2 Makanchi, AAK Ala-Archra, KBL Kulu, etc.

UCR 22 01:42:34.2 0.7, 12'03N:86'68W, h85km, 6km, MW4.0
CATAC 22 01:42:34.7 0.2, 12'N:2'8'7W, h88km, 2km, M3, 8/42,
MLV3, 8/42, Error ellipse: s-maj=4.8km s-min=2.2km
az=46.5, confirmed
SNET 22 01:42:35.4 0.9, 12'15N:86'82W, h11km, 20km, ML3.7
GCG 22 01:42:38.9 2.7, 12'29N:86'94W, h100km, 214km, MD4.3
ISC 22 01:42:34.3 1.2, 12.01N:104.8670W, 0.03, h86km, 5km,
n120, 08/68/144, Nicaragua

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like COPN Copaltepe, COBN Copaltepe, COBN Copaltepe, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like JAPN AI SSO del Vol, CONN Concepcion, CONN Concepcion, etc.

TEH 22 01:52:15.9, 37.51N:56.44E, h8km, 22km
IDC 22 01:52:17.2, 2.3, 37.59N:56.20E, h0km, mb3.5/3,
mbtmp3.7/5, ML3.1/2, Error ellipse: s-maj=48.9km
s-min=20.6km, az=171.0
ISC 22 01:52:19.3 0.9, 37.55N:0.07:56.40E:0.05, h20km, n44,
e1501/43, Northern and central Iran

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MRVT Maraveh tapeh, IMMD Minoodash, IMMD Minoodash, etc.

IDC 22 02:23:11.1, 9.2, 10'68S:124'23E, h100km, 107km,
mb3=21, mbtmp3.4, ML3.0/3, Error ellipse:
s-maj=71.8km s-min=52.2km az=25.0, Timor region

Table with columns: Code, Station Name, Az, Op, ISC, Time, Res. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, SJA 22:02:24.44.9.0.6, etc.

Table with columns: CLDB Colider, Time, Az, Op, ISC, Time, Res. Includes stations like CLDB Colider, FRTB Fartura, CNLB Canela, etc.

Table with columns: WUAZ Wupatki, Time, Az, Op, ISC, Time, Res. Includes stations like WUAZ Wupatki, U15A North Rim, KNB Kanab, etc.

TAP 22:02:49:19.8,24:08N:121.52E,h22km,ML3.5,B
JMA 22:02:49:19.8,0.1,24:1N,0.5:12 2E,,h20km,1km,
MV2 9/14, TAIWAN REGION
ASIES 22:02:49:19.8,24:08N:121.52E,h22km,ML3.5,Mw3.2,

Table with columns: Code, Station Name, Az, Op, ISC, Time, Res. Includes stations like TWD Chiawan, TWD TWD, HWA Hwalien, etc.

Table with columns: Station Name, Azimuth, Elevation, and other parameters. Includes stations like TWT, ENA, NNS, WUSB, EGPH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IRIF, HATJ, WYUC, JKRS, etc.

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like Ruhr-Universit, Bochum-Univers, and various local radio stations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Savonnières en, Haverah Park, and various regional radio stations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Edinburgh, Ueberherrn, and various international radio stations.

22d 4h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like QUIF, NORSAR Array S, ARSAR, ORIF, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETSF, BUR08, FINES, AKASG, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like T25A, T25B, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SDCO, SD2A, S22A, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MVCO, ISCO, BNM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CRNM, AMTX, CPXR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CLNB, SRU, POST, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OK038, OK038, SN07, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Q16A, Q16A, Q16A, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SN05, SN05, WUAZ, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSUT, KAN17, KAN01, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like U15A, MVU, MNHN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAN13, OK029, ABTX, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VHRN, WTF5, KNB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X34A, FNO, ALPN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PD31, OZNA, PLPT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSU1, DEOK, RSSD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PSUT, FW06, Z35A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAND, TUL3, BRDY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRDY, JCT, FW14, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HND0, HHAR, Z38A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RTAL, EROS, GCG 22, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NEIC 22, CATAC 22, IDC 22, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNET 22, UCR 22, SNET 22, etc.

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

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

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

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

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

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

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

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

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

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

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

Table of astronomical observations for 2019 MAY, listing station codes (e.g., TXAR, FW14, ROSC), station names (e.g., El Rosal, White Oak Lake), coordinates (comp-Z, 0.3nm, 0.5s), and observation details (PcP, P, I, A, M, B, LR, time, and magnitude).

Table of astronomical observations for 2019 MAY, listing station codes (e.g., BBB, YKAWI, YKAW1, YKA), station names (e.g., Bella Bella, Yellowknife Wh, Yellowknife Ar), coordinates (comp-Z, 0.37nm, 19.2s), and observation details (LR, P, I, A, M, B, LR, time, and magnitude).

Table of astronomical observations for 2019 MAY, listing station codes (e.g., JAGI, CNJI, SRBI, SRBI, TPI), station names (e.g., Jajag, Banyuwa, Cincing, Singaraja), coordinates (comp-Z, 0.23nm, 0.8s), and observation details (P, Pn, time, and magnitude).

IDC 22 04:22:19.4 1.0 6:52S; 110:99E, h0km, mb3.6/6, m2btp3.77, M3.9/1, MS3.1/5, Error ellipse: s-maj=27.0km s-min=15.5km, Az=111.1°

Table of astronomical observations for 2019 MAY, listing station codes (e.g., Code, SMRI, SMRI, NGJI), station names (e.g., Semarang, Ngawi), coordinates (comp-Z, 0.54nm, 0.23s), and observation details (Op, P, Pg, time, and magnitude).

NEIC 22 04:23:12.3 ± 1.1, 40:44S; 0:03; 72:95W; 0:05, h61km, 4km, mb4.7/62, Mw4.5/27, Mw4.6/7, Mw4.8(GUC), Error ellipse: s-maj=5.7km s-min=4.2km az=85.0, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; M1=1.38, M2=2.16, M3=0.79, M4=3.97, M5=1.03, M6=4.60; Fault plane solution: Mo=45000x10^15 NPI; φ=287.01000°, λ=675.67000°, λ+25.71000°; NP2=41.88000°, δ83.27000°, λ-104.18000°. Principal axes: T 6.5399, P1g37.0000°, Azm144.0000°, N - 0.1913, P1g14.0000°, Azm44.0000°, P - 6.3486, P1g50.0000°, Azm296.0000°; IDC 22 04:23:12.3 ± 0.7, 40:35S; 72:92W, h65km, 6km, mb4.1/9, mbtp4.3/10, MS3.6/10 Error ellipse: s-maj=15.9km s-min=9.1km az=23.0

GUC 22 04:23:12.4 ± 0.8, 40:48S; 72:94W, h46km, 1km, ML4.8 NEIC 22 04:23:12.3 ± 0.4, 40:44S; 72:95W, h62km SJA 22 04:23:12.4 ± 1.9, 40:40S; 72:92W, h37km, 4km, ML4.7, Mw4.5

VAO 22 04:23:14.1 ± 1.7, 40:52S; 72:60W, h96km, 19km, mb4.6 ISC 22 04:23:11.8 ± 0.5, 40:43S; 0:03; 72:98W; 0:04, h64km, 4km, n182.1±26/196, mb4.6/40, Ad, Central Chile

Table of astronomical observations for 2019 MAY, listing station codes (e.g., Code, LR04, LR04), station names (e.g., Corral, Corral), coordinates (comp-N, 137um, 0.3s), and observation details (Pn, P, S, Sn, I, S, IAML, time, and magnitude).

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MNAS Manas, IUG luzhny, SALK Salom-Alik, etc.

NEIC 22 05:13:23.04 ± 1.5, 2°58'S-0°09:46'E, h0km, mb4.1/13, Error ellipse: s-maj=31.4km s-min=14.7km

IDC 22 05:13:23.0 ± 0.7, 12°20'S-46°04'E, h0km, mb4.1/13, mbmp4.1/15, ML4.0/2, MS3.5/28, Error ellipse: s-maj=24.5km s-min=17.5km az=116.0

ISC 22 05:13:23.0 ± 0.5, 12°53'S-0°05:46'E, h0km, n74, s=163/59, mb4.5/20, MS3.5/27, Northwest of Madagascar

Main station list table for the first section, including stations like SBV Sambava, OPO Ambohidratompo, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KIRV Kirov, KAPI Kapapa, ZALV Zalesovo Beam, etc.

AUST 22 05:23:59.5 ± 0.3, 30°S-2°11'E, h10km, mb4.1/1, ML3.0/9, Error ellipse: s-maj=5.2km s-min=4.2km az=98.2

NOU 22 05:23:59.6 ± 0.3, 30°S-117°46'E, h0km, MLV3.5/10, Western Australia

ISC 22 05:23:59.4 ± 0.9, 30°38'S-104°17'E, h0km, n25, s=111/26, 1D, Western Australia

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like BLDU Ballidu, MUN Munding, etc.

IDC 22 05:32:04.7 ± 1.9, 30°74'S-178°12'W, h0km, mb3.9/3, mbmp3.8/4, ML3.7/1, Error ellipse: s-maj=47.3km

s-min=32.8km az=59.0, Kermadec Islands

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like URZ Urewera, ASAR Alice Springs, etc.

IDC 22 05:51:24.9 ± 1.7, 51°16'N-82°50'E, h0km, mbmp2.6/2, ML2.2/2, Error ellipse: s-maj=19.0km s-min=15.3km

az=154.0, NNC 22 05:51:35.3 ± 5.1, 51°39'N-82°27'E, h0km, mb2.8, mpv2.3, Error ellipse: s-maj=42.6km s-min=20.4km az=35.0,

Suspected Mining explosion. ISC 22 05:51:18.3 ± 1.2, 51°32'N-0°05:83'E, h0km, n7, s=192/10, 3C-2D, Southwestern Siberia

Main station list table for the second section, including stations like ZALV Zalesovo Beam, I46RU ZALESOVO INFRA, etc.

ASRS 22 06:01:14.0 ± 0.8, 54°10'N-86°50'E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 22 06:01:16.5 ± 2.7, 54°16'N-86°52'E, h0km, mbmp3.0/2, ML2.8/2, Error ellipse: s-maj=22.7km s-min=13.3km

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes station I46RU ZALESOVO INFRA.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

IDC 22 06:04:16.1 ± 1.1, 32°39'N-02°44'E, h0km, n17, s=067/14, mb3.9/10, MS3.5/4, Xizang

Main station list table for the third section, including stations like MKAR Makanchi Arra, SONMG Songino Arra, etc.

IDC 22 06:05:21.9 ± 3.5, 54°50'N-87°02'E, h0km, mbmp2.8/2, ML2.5/2, Error ellipse: s-maj=32.4km s-min=21.0km

az=50.0, ASRS 22 06:05:20.0 ± 0.9, 54°45'N-86°36'E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

SNET 22 06:18:54.1 ± 1.2, 13°02'N-87°61'W, h68km, 12km, ML2.6, CATAC 22 06:18:54.4 ± 0.6, 13°N-87°9'W, h49km, 12km, M2.6/13, ML2.6/13, Error ellipse: s-maj=19.1km s-min=6.9km

az=27.9, confirmed GCG 22 06:18:55.0 ± 0.3, 13°07'N-88°66'W, h59km, 12km, MD3.5, MW1.9

ISC 22 06:18:52.9 ± 2.7, 12°39'N-108°62'W, h0km, n15km, n36, s=60/44, Off coast of central America

Main station list table for the fourth section, including stations like ALJI Alcalda de J, RANC El Ranchito, etc.

ISK 22 06:34:08.9 ± 39.66'N-38.69'E, h5km, ML3.9/44, AFAD 22 06:34:10.3 ± 39.63'N-38.69'E, h5km, MW3.9, IDC 22 06:34:14.9 ± 1.0, 39°34'N-18°16'E, h0km, mb3.5/5, mbmp3.5/13, ML3.8, MS2.7/3, Error ellipse:

22d 6h

2019 MAY

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s-maj=19.7km s-min=11.0km az=165.0
ISC 22 06:34:11.9.0.7, 39.675N,03.3870E,0.03,h10km,n63,
c152/64,mb3.45,Turkey

az=255.0
ICC 22 06:51:22.4.3.1, 38.76N,122.89W,h0km,mbtm3.3/4,
ML2.6/3, Error ellipse: s-maj=39.7km s-min=12.9km
az=40.0

ISC 22 06:51:21.6.0.8, 38.78N,102.122.82W,0.02,h10km,n78,
c1540/73,Northern California

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

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

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

NCCED 22 06:51:21.8.1.1, 38.80N,0.010:122.82W,0.02,
h2km,2km,ML3.0/32,ML2.9/55(NEIC), Error ellipse:
s-maj=2.4km s-min=1.4km az=74.0
NEIC 22 06:51:22.1.1.2, 38.80N,0.006:122.79W,0.02,
h5km,1km, Error ellipse: s-maj=3.2km s-min=2.7km

NEIC 22 06:53:55.7.1.1, 36.117N,0.010:117.66W,0.01,
h4km,2km, Error ellipse: s-maj=1.5km s-min=1.3km
az=133.0
PAS 22 06:53:56.3.0.9, 36.119N,0.009:117.67W,0.01,
h2km,ML3.3/57,ML3.2/54(NEIC), Error ellipse:
s-maj=1.5km s-min=1.3km az=102.0, California-Nevada
border region

ICC 22 06:55:39.2.1.9, 7.02S, 128.84E, h0km, mb4.0/2,
mbtm4.1/6,ML4.2/3, Error ellipse: s-maj=102.3km
s-min=24.9km az=75.0
NEIC 22 06:55:53.5.1.7, 7.45S,0.1:128.96E,0.06,h179km,15km,
mb4.3/4, Error ellipse: s-maj=15.7km s-min=7.7km
az=171.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for COEN, ASAR, BBOO, MYKOM, KURBB.

IDC 22 06:58:29.6:1.5, 4.59N:127.43E, h0km, mb4.1/6, mbtmp4.1/6, Error ellipse: s-maj=94.6km s-min=21.4km az=65.0

DJA 22 06:58:38.3:1.2, 5.1N:127.7E, h83km, 17km, M4.3/8, mB5.1/1, mb4.5/6, ML4.0/8, Mw(MB)4.1/1

ISIC 22 06:58:40.0:1.4, 4.39N:127.35E:0.10, h104km, n12, c=094/13, mb4.2/7, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for SSGSI, TMTI, SANI, MRSI, WSAI, CMAR, XLT, MKAR, KURBB, BVAR.

IDC 22 07:00:04.1:3.0, 5.419N:86.44E, h0km, mbtmp2.4/2, ML2.2/2, Error ellipse: s-maj=22.5km s-min=13.8km az=60.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for I46RU, ZALV, ZALV, KURBB, MKAR.

GCG 22 07:02:27.2:0.4, 14.11N:91.41W, h46km, 23km, MD3.5, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STG8, ESSG, SOKI, FG16.

IDC 22 07:05:08.5:3.5, 55.63N:86.05E, h0km, mbtmp2.5/2, ML2.3/1, Error ellipse: s-maj=31.2km s-min=26.5km az=4

ASRS 22 07:05:04.0:1.0, 55.77N:86.14E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for I46RU, ZALV, ZALV, KURBB, MKAR.

IDC 22 07:09:20.4:1.7, 9.39S:114.04E, h0km, mb3.9/6, mbtmp3.9/7, ML3.8/1, MS2.5/2, Error ellipse: s-maj=111.8km s-min=17.6km az=51.0

DJA 22 07:09:26.1:0.4, 9.54S:111.4E, h10km, M4.3/18, mb4.3/4, ML4.2/18

NEIC 22 07:09:27.9:1.1, 9.50S:114.01E:0.08, h57km, 7km, mb4.1/10, Error ellipse: s-maj=12.4km s-min=8.4km az=68.0

ISIC 22 07:09:24.9:0.7, 9.61S:113.97E:0.05, h31km, n42, c=1563/47, mb4.1/10, South of Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for JAGI, GMJI, DNP, ABJI, SGBI, KMMI, TWSI, GRJI, PCJI, NGJI, TBJI, WOJI, UGMI, UGMI, PLAI, SMRI, CMJI, CNJI, KAPI, EDFI, FITZ, FITZ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for FITZ, KNRA, MTN, WBO, WRA, WRA.

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

ASAR Alice Springs 23.62 129 P P 07 14 34.5 +1.0

ASAR Alice Springs 23.62 129 P P 07 14 34.3 +0.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for KURBB, TXAR, IDC 22 07:30:12.6:3.2, 53.63N:87.89E, h0km, mbtmp2.8/2, ML2.7/2, Error ellipse: s-maj=30.6km s-min=17.8km az=57.0

ASRS 22 07:30:11.0:1.1, 6.5360N:87.93E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

IDC 22 07:33:12.5:0.9, 67.86N:10.29E, h0km, mb3.2/3, mbtmp3.3/10, ML3.1/7, MS2.5/4, Error ellipse: s-maj=12.9km s-min=6.8km az=96.0

DNK 22 07:33:13.0:0.7, 67.79N:10.22E, h0km, ML3.0(U)PP

HEL 22 07:33:13.1:2.3, 67.93N:10.24E, h14km, 17km, ML3.3 UPP 22 07:33:14.8:2.5, 67.87N:10.16E, h0km, ML3.0

BER 22 07:33:14.0:3.7, 67.91N:10.17E, h5km, 16km, ML3.0, MW3.1, ML3.3(NAO), Confirmed Earthquake

ISIC 22 07:33:12.9:1.1, 8.6736N:10.041038E:0.06, h5km, 12km, n121, c=1549/172, mb3.1/3, 10C-2D, Norwegian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for LOF, VAGH, VAGH.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for LOF, VAGH, VAGH.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for VAGH, VAGH.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for KONS, KONS.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for KONS, KONS.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for KONS, KONS.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STEI, STEI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STEI, STEI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STEI, STEI.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STEI, STEI.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STEI, STEI.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STEI, STEI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STEI, STEI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STEI, STEI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STEI, STEI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STEI, STEI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for STEI, STEI.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like HARU Harads, ERTU Ertsjaerv, KTK1 Kautokeino, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like SPA0 Spitsbergen Ar, LSH Leshukonskoye, AKASG Main Array B, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like PSKH Kent House, PO, TRN Trinidad, etc.

Table with columns: KST, KST, DGS, DGS, MTBS, MTBS, MTBS, TNS, TNS, TNS, TNS, MDO, KTBS. Includes station names like Kastek, Deger, Gars, etc.

ASRS 22 08:09:45.0.6.54:32N:86:94E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 22 08:09:47.4.3.2.54:29N:86:95E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=27.1km s-min=17.5km az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

IDC 22 08:17:48.3.1.0.16:08S:168:09E, h0km, mb4.1/7, mbtmp4.1/9, ML4.5/2, MS3.4/5, Error ellipse: s-maj=32.1km s-min=22.4km az=146.0

NEIC 22 08:17:56.9.1.3.16:4S:0:2-167:9E:0.1, h35km,2km, mb4.5/11, Error ellipse: s-maj=31.5km s-min=17.8km az=153.0

ISC 22 08:17:54.1.0.7.16:21S:0:10:168:07E:0.10, h35km, n26, r=1512/24, mb4.3/14, MS3.5/3, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM 1.4nm,0.3s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ONTC Ouen Toro, MSVF Nonnavu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR Honiara, CTAO Charters Tower, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like STKA Stephens Creek, WRR Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AS31 Alice Springs, BBOW Bueckleboe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, NWAO Narrogin (SRO), etc.

HLW 22 08:23:01.5.27:48N:33:89E, h18km, Md2.8, Mf2.5, GII 22 08:23:01.8.0.0.27:16N:33:75E, h0km, confirmed

IDC 22 08:34:12.7.2.5.30:40N:49:80E, h0km, mb3.8/9, mbtmp3.7/10, ML3.3/1, Error ellipse: s-maj=50.0km s-min=25.6km az=167.0

TEH 22 08:34:15.6.30:37N:50:01E, h16km,17km, OMAN 22 08:34:17.4.0.7.30:13N:50:15E, h15km, mb4.0/16, Error ellipse: s-maj=7.7km s-min=4.0km az=14.0

DSN 22 08:34:21.3.1.5.30:00N:50:47E, h15km, ML3.3/10, Error ellipse: s-maj=18.8km s-min=8.9km az=0.0

ISC 22 08:34:15.5.0.6.30:29N:0:04:49:99E:0.04, h25km, n85, r=1553/100, mb3.6/9, Western Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ABEH Behbahan, AHWZ Ahwaz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TRNA Surayya, IFIR Firoozkoo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASHO Ashiyah, MZR Muzera, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HFS Hagfors, TORO Torodi Arr, etc.

ASRS 22 08:35:05.0.5.54:16N:87:06E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 22 08:35:06.2.9.54:26N:87:21E, h0km, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=25.1km s-min=17.4km az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

baz=7,slow=33,SNR=1.6, 0.3nm,0.5s, MKAR Makanchi Array 8.10 205 Pn Pn 08 37 05.9 +1.1

IDC 22 08:39:57.6.3.6.53:64N:87:89E, h0km, mbtmp2.7/2, ML2.5/2, Error ellipse: s-maj=33.5km s-min=18.3km az=53.0

ASRS 22 08:39:54.0.1.2.53:62N:87:93E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

IDC 22 08:50:26.5.4.1.54:26N:87:59E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=40.5km s-min=24.8km az=65.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

ASRS 22 08:54:36.0.5.54:28N:86:90E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 22 08:54:37.2.3.1.54:30N:86:98E, h0km, mbtmp2.8/2, ML2.6/2, Error ellipse: s-maj=27.1km s-min=18.1km az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

IDC 22 09:05:05.6.3.4.54:28N:87:25E, h0km, mbtmp2.6/2, ML2.5/2, Error ellipse: s-maj=29.6km s-min=19.2km az=54.0

ASRS 22 09:05:06.0.0.5.54:15N:87:09E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

DJA 22 09:06:58.7.0.3.10:3'S:12'2E', h10km, M4.3/13, mb5.6/1, mb4.4/6, MLV4.2/13, Mw(mb)5.1/1

IDC 22 09:07:00.2.2.1.9:67'S:122:12E, h83km,20km, mb3.7/6, mbtmp4.0/10, MS2.9/4, Error ellipse: s-maj=12.7km s-min=13.3km az=60.0

ISC 22 09:06:56.9.0.9.9:00S:105:122:10E:0.05, h57km,11km, n26, r=267/31, mb3.9/6, Savu Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EDFI Ende, Flores, MMRI Maumere, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam and KURBB Kurchatov Arra.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes station KK31.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations DLMT and YMLV.

ICC 22 09:15:10.0.3.0.53.53N-87.58E, h0km, mbmp3.0/2, ML2.7/2, Error ellipse: s-maj=26.5km s-min=15.5km az=59.0

ASRS 22 09:54:42.0.0.8.54.03N-86.57E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ASRS 22 09:54:44.3.0.54.09N-86.63E, h0km, mbmp3.0/2, ML2.7/2, Error ellipse: s-maj=24.8km s-min=14.6km az=61.0

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations I46RU ZALESOVO INFRA and ZALV Zalesovo Beam.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations I46RU ZALESOVO INFRA and ZALV Zalesovo Beam.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations YMLV and YHL.

ICC 22 09:35:30.9.3.5.54.25N-87.24E, h0km, mbmp2.7/2, ML2.2/2, Error ellipse: s-maj=31.8km s-min=20.4km az=51.0

ASRS 22 09:35:29.0.5.54.17N-87.09E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

NEIC 22 10:10:36.5.0.9.55.28S-28.50W, h0km, mb4.0/5, mbmp4.1/6, ML4.8/1, MS3.4/1, Error ellipse: s-maj=21.0km s-min=19.4km az=68.0

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations I46RU ZALESOVO INFRA and ZALV Zalesovo Beam.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations HOPE Hope Point and VNA3 Neumayer Olymp.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations T25A Trinidad and T25A T25A.

ASRS 22 09:49:50.0.1.0.53.57N-87.67E, h0km, M2.8, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ICC 22 09:49:52.0.3.1.53.50N-87.75E, h0km, mbmp2.9/2, ML2.7/2, Error ellipse: s-maj=32.6km s-min=17.6km az=86.0

NEIC 22 10:10:37.8.0.6.55.25S-0.10.28.6W, h10km, n41, 0569/32, mb4.6/12, MS3.4/10, 3D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations I46RU ZALESOVO INFRA and ZALV Zalesovo Beam.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations TROLL Troll, Antarti and MG02 Cerro Sombrero.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations SDCO Great Sand Dun and S22A 4UR Ranch, Ore.

AEIC 22 09:54:15.3e.1.2.53.47N-0.09.166.61W, 0.08, h64km, 9km, Error ellipse: s-maj=14.6km s-min=6.0km az=154.0

NEIC 22 10:10:37.8.0.6.55.25S-0.10.28.6W, h10km, n41, 0569/32, mb4.6/12, MS3.4/10, 3D, South Sandwich Islands region

MOS 22 10:52:17.5.0.9.4.50N-126.74E, h33km, mb5.0/38, Error ellipse: s-maj=12.1km s-min=5.7km az=112.1

NEIC 22 09:54:15.9.1.4.53.50N-0.26.166.6W, 0.1, h71km, 17km, ML2.8/10, ML2.4(AEIC), Error ellipse: s-maj=28.5km s-min=2.5km az=154.0, Fox Islands

NEIC 22 10:10:37.8.0.6.55.25S-0.10.28.6W, h10km, n41, 0569/32, mb4.6/12, MS3.4/10, 3D, South Sandwich Islands region

NEIC 22 10:52:19.8.1.2.4.38N-106.126.88E, 0.08, h35km, 2km, mb4.8/152, Error ellipse: s-maj=13.6km s-min=9.3km az=66.0

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations MREP Makushin Rep't and MTBL Makushin Table.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations SUR Sutherland and BOSA Boshof.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations NNC 22 10:48:30.0.6.1.3708N-70.94E, h0km, mb4.0, mpv4.0, 4C-2D, Error ellipse: s-maj=50.1km s-min=40.0km az=155.0

KRNET 22 09:54:40.8.0.1.40.34N-70.81E, h9km, mb2.7, ISC 22 09:54:39.1.2.1.40.37N-0.06.70.7E, 0.2, h10km, n4, 0551/6, 4C-4D, Tajikistan

BUT 22 10:13:46.1e.0.7.45.86N-0.01.11.35W, 0.02, h5km, 1km, Error ellipse: s-maj=2.8km s-min=2.2km az=359.0

NEIC 22 10:13:46.1e.0.7.45.86N-0.01.11.35W, 0.01, h7km, 6km, ML2.2/20, ML2.2/9(BUT), Error ellipse: s-maj=1.7km s-min=0.7km az=46.0, Montana

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations BTX Batken and BTK Batken.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations I46RU ZALESOVO INFRA and ZALV Zalesovo Beam.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations SGMU Guam and KSM Kuching.

Table with columns for station name, coordinates, and various data points. Includes stations like WAGANAMA, YEHENG, CHIN-MEN TAO, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like QLP, JMM, KMM, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like YAK, YAK, YAK, etc.

22d 10h

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like N16K Nishlik Lake, M16K Timber Creek, C17K DeLong Moutai, etc.

2019 MAY

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like N20K Mount Spurr, SPCR Spurr Chakacha, G21K Alalakett, etc.

1250

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like HDA Harding Lake, ILAR Eielson Array, M24K Tolsona, Glenn, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Windy Craggy, Aishkik Lake, Million Dollar, Satah River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Kastek, Ab31, IDC 22 11:00, DZM, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Anaktuvuk Pass, Coal Creek Min, Christian River, etc.

SEA 22 11:43:17.2±1.3, 47.74N, 0°01'.120°70W, 0.02, h-1km, 7km, ML1.79, ML2.1/36(NEIC), Error ellipse: s-maj=2.02km

NEIC 22 11:43:16.8±1.0, 47.77N, 0°01'.120°67W, 0.02, h1km, 6km, Error ellipse: s-maj=2.1km s-min=1.7km az=176.0,

Table with columns: Code, Station Name, Az, AzE, Op, Phase ID, Time, Res, ISC, h, m, s, Res. Includes stations like SLFW Sugar Loaf, WRW Wenatchee Ridg, MTW Entiat, etc.

Table with columns: KAPI, LR, LR, 11 59 13.7, etc. Includes stations like BSSI Bau Bau, EDFI Ende, SBUM Sibub, etc.

Table with columns: STKA, P, P, 11 57 58.5+0.6, etc. Includes stations like STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, etc.

Table with columns: NR/KI, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like Noril'sk, EIL, SUR, etc.

NOU 22 11:53:12.8, 24:64S, 179:45W, h486km, mb4.6/31, South of Fiji Islands
NEIC 22 11:53:14.2, 1.9, 24:46S, 179:170W, h61.0, h491km, 7km, mb4.6/59, Error ellipse: s-maj=1.07km s-min=1.41km az=79.0

IDC 22 11:53:15.0, 1.5, 24:48S, 179:83W, h498km, 15km, mb3.7/19, mbmtpl4.5/21, Error ellipse: s-maj=11.9km s-min=1.1, 3km az=3.0

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like GLKZ, LKBA, MSVF, etc.

Main station list table for 2019 MAY with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like CTAO, BRSU, INKA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like CMAR, TMUT, CHTO, etc.

BUI 22 12:55:53.2, 24:94N, 95:12E, h112km, mb4.4/7, mb4.3/14
NEIC 22 12:55:53.7, 1.1, 25:05N, 0:07, 95:21E, 0.09, h96km, 8km, mb4.4/3, Error ellipse: s-maj=12.5km s-min=10.3km az=61.0

NDI 22 12:55:53.7, 0.2, 25:07N, 95:30E, h95km, ML4.2, MW4.2
IDC 22 12:55:56.0, 3.1, 24:31N, 95:23E, h130km, 29km, mb3.8/17, mbmtpl4.2/18, MS1.9/1, Error ellipse: s-maj=30.7km s-min=11.5km az=59.0

ISC 22 12:55:53.9, 0.5, 25:03N, 0:05, 95:08E, 0.05, h104km, n79, 1559/91, mb4.2/29, Myanmar-India border region

Main station list table for 22d 12h with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like Imphal, KOHI, AZL, etc.

22d 13h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like GUN Gumba, PKIN Phulchoki, DMN Daman, GKN Gorkha, etc.

DMN 22:59:49.8,3.3,28.64N;80.29E, h0km, mb3.5/5, mbmp3.5/6, ML3.4/1, Error ellipse: s-maj=144.5km s-min=23.3km az=69.0

DMN 22:13:00:01.1,0.0,29.53N;81.16E, h10km, M14.1/6, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 22:12:59:54.5,1.7,29.00N;02.803E;0.2, h10km, n15, #237/20, mb3.5/5, Nepal-India border region

2019 MAY

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PYUN Piuthan, KOLN Kolda, GKN Gorkha, DMN Daman, etc.

1254

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

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like H11N2 WAKE ISLAND Hy 29.91 151, H11N1 WAKE ISLAND Hy 29.93 151, H11N3 WAKE ISLAND Hy 29.93 151, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like FINES FINESSE Array B, DSP Deep Springs, OBNS Obninsk, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like IKRKR comp=N,130nm,0.5s, GAZI Gazipasa, AKMS Akamas, etc.

IDC 22 13:31:29.7z-2.5,25:65N-89.43E, h0km, mb3.5/4, mbtm3.6/4, Error ellipse: s-maj=162.5km s-min=26.4km az=59.0, India-Bangladesh border region

IDC 22 13:39:49.4z-2.5, 18:09S-178.34W, h636km, 20km, mb2.9/3, mbtm3.8/4, Error ellipse: s-maj=40.7km s-min=36.0km az=69.0, Fiji Islands region

ISN 22 13:40:45.3z-0.3, 33:71N-45:82E, h14km, 10km, ML3.0 TEH 22 13:40:45.6, 33:71N-45:83E, h8km, 57km

ISC 22 13:40:46.2z-0.9, 33:71N-0:03z-45.84E, 0.04, h19km, n13, 0:08T/16, Iran-Iraq border region

22d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ISPA, KONT, BAGO, SABU, DOGA, etc.

NEIC 22 14:08:56.5-1.9, 27.63S, 0.06-178.0W, 0.2, h144km, 8km, mb4.5/13, Error ellipse: s-maj=31.0km s-min=7.8km az=94.0

IDC 22 14:08:57.0-0.9, 27.67S, 178.03W, h160km, 7km, mb3.7/13, mbmp4.1/14, Error ellipse: s-maj=16.8km s-min=14.6km az=85.0

ISC 22 14:09:01.3-0.5, 28.36S, 0.06-178.2W, 0.1, h198km, n65, z=543/85, mb4.0/22.3C, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIZ, RAO, GLK, WMGZ, PKGZ, etc.

2019 MAY

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VNSA, CASY, QSPA, MAW, JGF, MJAR, JNU, etc.

1256

ML2.9/7, Error ellipse: s-maj=5.0km s-min=4.8km az=90.6 CUPWA 22 14:24:20.0, 6.0, 30.39S, 177.77E, h2km, 7km, ML2.9, Region: WESTERN AUSTRALIA

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BR4, BR4, BR4, etc.

ISC 22 14:30:46.6, 36.65N, 27.21E, h5km, ML2.7/22 AFAD 22 14:30:47.8, 36.69N, 27.27E, h11km, 1km, ML2.8 THE 22 14:30:49.0, 37.1N, 27.27E, h3km, 4km, M2.9/4, ML2.8/9.4 ATH 22 14:30:48.5, 36.68N, 27.24E, h18km, 2km, ML2.6/6

Manual Solution by A. Agalos First location: 2019/05/22 14:32:16, This location: 2019/05/22 14:44:58 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 2 km; Longitude uncertainty: 1 km

ISC 22 14:30:48.4, 0.3, 36.58N, 0.02-27.28E, 0.02, h13km, 6km, Fethiye, 05/66/60, Dodecanese Islands

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

AUST 22 14:24:19.8, 0.3, 30.30S, 2.2x11.8E, h10km, mb4.3/3

Error ellipse: s-maj=19.5km s-min=7.4km az=164.0
ISC 22 14:36:22.6, 0.8, 51.0N, 010:17.44W, 0.06, h40km, n87,
e142/78, mb3.8/15, MS2.8/5, Andreano Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like KURBB, MKAR, BVAR, HFS, ASAR.

STR 22 14:37:34.1 ± 1.7, 45°N, 8°W, 1.4 h4km, 7km, MLV3.3/31,
Error ellipse: s-maj=0.0km s-min=0.0km az=110.5,
preliminary
GEN 22 14:37:34.7, 44°18'N, 9°22'E, h27km, ML3.3
ROM 22 14:37:36.0 ± 0.1, 44°84'N, 0°004:9:27E, 0°006,
h23km, ML3.5/126, Error ellipse: s-maj=0.5km s-min=0.2km
az=246.0
BGR 22 14:37:36.6 ± 0.7, 44°72'N, 9°50'E, h10km, ML3.4/13, Error
ellipse: s-maj=18.9km s-min=13.3km az=67.0
LDG 22 14:37:37.4 ± 0.2, 44°88'N, 9°22'E, h27km, ML3.3/9, Error
ellipse: s-maj=5.1km s-min=4.1km az=47.0
PRU 22 14:37:38.9, 44°90'N, 10°22'E, h10km

ISC 22 14:37:36.6 ± 0.8, 44°80'N, 0°10:9:33E, 0°01, h24km, 5km,
n334, r1551/415, 1C-4D, Northern Italy

Main table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like FRNO, PRMA, BVT, BOB, etc.

Main table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like RAVA, CARD, MKAR, BVAR, HFS, ASAR, etc.

1259

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations 1259.

2019 MAY

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations in May 2019.

22d 15h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations in the 22d 15h period.

22L 16h

Table with columns: STKA, Stephens Creek, 26.40 194 P, 1.5nm, 0.3s, baz=356, slow=13, SNR=3.3

SDD 22 15:32:39.3, 2.9, 18.64N, 68.42W, h15km, 36km, MD2.8, ML2.3, MW3.0, Mona Passage

RSPR 22 15:33:11.6, 18.55N, 66.81W, h12km, MD2.4/6, 8C-2D, Puerto Rico region

IDC 22 16:02:22.6, 1.4, 17.53N, 147.64E, h0km, mb3.4/8, mbtmp3.5/8, M2.92, Error ellipse: s-maj=44.5km

IDC 22 16:02:26.5, 1.4, 17.68N, 02-147.6E, 0.3, h26km, n10, c=136/8, mb3.57, Mariana Islands region

IDC 22 16:20:03.4, 1.3, 33.27N, 132.45E, h0km, mb3.4/2, mbtmp3.3/4, ML2.7/2, Error ellipse: s-maj=21.0km

2019 MAY

ASAR Alice Springs 56.83 178 P P 16 29 48.3 -0.2

TAN 22 16:26:08.9, 17.62S, 46.36E, h35km, ML4.3, Fault plane solution: NP1:06740000, 838 40000, Madagascar

IDC 22 16:29:49.4, 7.4, 6.38N, 14N, 73.56E, h119km, 36km, mb3.4/9, mbtmp3.9/13, Error ellipse: s-maj=38.1km s-min=19.1km az=35.0

SOME 22 16:29:49.4, 39.22N, 72.82E, h10km, NNC 22 16:29:55.2, 4.7, 38.88N, 73.28E, h0km, mb4.0, mpv4.0, Error ellipse: s-maj=39.1km s-min=24.8km az=178.0

IDC 22 16:29:36.5, 1.0, 38.21N, 0.07, 73.56E, 0.08, h10km, n31, c=17/34, mb3.7/9, 4C-1D, Tajikistan-Xinjiang border region

IDC 22 16:20:08.7, 0.1, 23.78N, 132.27E, h47km, MW3.5, Moment Tensor Solution, s Moment tensor: Scale 10^14 Nm

JMA 22 16:20:08.7, 0.1, 33.5N, 0.1, 132.3E, 0.1, h47km, MV3.5/39, IYONADA SETONAikai, JMA Felt J1 at IYONADA SETONAikai

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WARBT Finglin Townsh 0.67 277 I/P P 16 39 22.9 +0.2

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CHN1, TWK Hsiinying, SNST Tainan City, etc.

IDC 22 16:43:29.5, 7.8, 34.12N, 23.39E, h0km, mb3.8/7, mbmp3.8/8, ML3.0/1, Error ellipse: s-maj=158.1km s-min=30.6km az=23.0

HLW 22 16:43:35.1, 34.69N, 23.55E, h25km, 14km, M3.8, ML3.5 ISK 22 16:43:35.9, 34.35N, 23.66E, h26km, ML3.4/9

Afad 22 16:43:36.6, 34.40N, 24.11E, h7km, 1km, ML2.7 THE 22 16:43:37.8, 34.16N, 24.24E, h18km, 10km, ML3.0, ML h2.0/8

ATH 22 16:43:37.8, 34.38N, 23.69E, h22km, 7km, ML3.2/11 Manual Solution by A.Andreou First location: 2019/05/22 16:44:07, This location: 2019/05/22 16:58:06 ML

Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 9 km; Longitude uncertainty: 6 km

ISC 22 16:43:38.2, 1.1, 34.40N, 0.06, 23.69E, h43km, 11km, n64, r130/84, mb3.7/7, Crete

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GVD Gavdhos, KNDR Palaiochora Ch, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like APE Apeiranthos, KARP Karpathos, etc.

JMA 22 17:06:14.7, 0.2, 23.7N, 0.6, 122.1E, 0.8, h25km, 4km, MV2.4/13, TAIWAN REGION

TAP 22 17:06:15.5, 23.66N, 122.07E, h30km, ML2.7, D ISC 22 17:06:14.6, 1.1, 23.64N, 0.02, 122.09E, 0.02, h24km, 11km, n101, r087/174, 9D, Taiwan region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SHUL Shoufeng, E054 E054, etc.

WEL 22 17:06:37.3, 0.6, 45.5S, 16.7E, h24km, 4km, M3.4/10, ML3.5/10, ML3.0/10, Error ellipse: s-maj=9km s-min=3.5km az=123.0, confirmed, South Island

Code Station Name Az Phase ID Time Res

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like DCZ Deep Cove, MZC Mavora Lakes, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like NNSB Datong, LATG Datong, etc.

WEL 22 17:06:37.3, 0.6, 45.5S, 16.7E, h24km, 4km, M3.4/10, ML3.5/10, ML3.0/10, Error ellipse: s-maj=9km s-min=3.5km az=123.0, confirmed, South Island

Code Station Name Az Phase ID Time Res

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like DCZ Deep Cove, MZC Mavora Lakes, etc.

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TKNZ, DUWZ.

NOU 22 17:10:37.1, 12.965S:166.58E, h0km, mb4.4/12, Santa Cruz Islands
IDC 22 17:10:40.5:3.2, 13.015S:166.55E, h17km, mb3.6/6, mbtmp3.6/4, Error ellipse: s-maj=28.9km s-min=16.3km az=63.0

NEIC 22 17:10:43.3:2.1, 13.15S:0.1:166.44E:0.07, h137km, mb4.3/6, Error ellipse: s-maj=16.7km s-min=8.1km az=158.0

ISC 22 17:10:43.8:0.9, 13.105S:0:08.166E:3:0.1, h150km, n31, c1550/33, mb3.9/9, Vanuatu Islands

Main station list for 22d 17h. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LUES, VLAKA, HURO, etc.

CNRR 22 17:10:48.7, 36.30N:9.26W, h6km, ML1.8
MDD 22 17:10:50.7, 10.36E:62N:9.75W, h30km, ML2.0, Error ellipse: s-maj=4.6km s-min=3.2km az=64.0

SFS 22 17:10:50.4, 36.60N:9.85W, h46km, ML2.8/10.2, ML6.6/14, MLV2.4/14

IGL 22 17:10:51.8, 36.62N:9.75W, h29km, ML1.9
INMG 22 17:10:52.0, 1.0, 36.62N:9.75W, h30km, ML2.0, Error ellipse: s-maj=4.6km s-min=3.2km az=64.0

IC 22 17:10:48.3:1.7, 36.59N:0.05:9.80W:0.07, h30km, n63, c1566/91, 4C, West of Gibraltar

Main station list for 22d 17h (continued). Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PFVI, MORF, etc.

Main station list for 2019 MAY. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PBAR, PBAR, PBAR, etc.

IDC 22 17:13:41.3:7.3, 34.16N:23.46E, h0km, mb3.7/4, mbtmp3.5/5, ML2.6/1, Error ellipse: s-maj=141.2km s-min=46.7km az=19.0

HLW 22 17:13:47.5, 34.47N:23.74E, h10km, mb3.6, ML3.8 THE 22 17:13:48.8, 34.47N:23.74E, h17km, mb3.6, ML2.76, MLh2.76

ATH 22 17:13:52.8, 34.66N:23.76E, h33km, 4km, ML2.9/9, Manual Solution by A. Androu First location: 2019/05/22 17:15:17, This location: 22:05:22 17:27:05 2019

ISC 22 17:13:48.0:1.5, 34.40N:0.04:23.68E:0.06, h27km, 12km, n43, c1574/52, mb3.6/4, Crete

Main station list for 2019 MAY (continued). Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GVD, GVD, GVD, etc.

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HDK1, HFS.

KURBS Kurchatov Arra 42.55 50 P P 17 21 40.6 -0.6
MKAR Makanchi Array 45.21 56 P P 17 22 02.8 0.0
ZALV Zakovom Beam 46.41 46 P P 17 22 10.8 -1.2

IDC 22 17:35:29.8:2.6, 8.32S:118.24E, h0km, mb3.5/2, mbtmp3.6/4, ML3.5/2, Error ellipse: s-maj=213.9km s-min=26.7km az=52.0

ISC 22 17:35:46.2:1.3, 8.33S:0.1:118.55E:0.1, h152km, n12, c267/13, Sumbawa region

Main station list for 22d 17h (continued). Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMRI, SOEI, FITZ, etc.

IDC 22 17:36:12.5:0.5, 36.16S:100.82W, h0km, mb4.4/18, mbtmp4.4/18, MS4.0/35, Error ellipse: s-maj=19.3km s-min=13.9km az=70.0

NEIC 22 17:36:14.5:1.6, 36.15S:0.1:100.77W:0.2, h10km, 1km, mb5.1/158, Mmw5.4/42, Error ellipse: s-maj=25.3km s-min=20.0km az=281.0

MOS 22 17:36:14.0:2.2, 36.26S:100.57W, h10km, mb5.1/21, Error ellipse: s-maj=13.4km s-min=10.5km az=76.8

GCMT 22 17:36:15.5:0.1, 36.19S:0.01:100.92W:0.01, h12km, MW5.4/158, Moment Tensor Solution, s126.c232; s158.c309; Duration: 1s2 Moment tensor: Scale 1017 Nm; Mn-0.17s:0.2; Mns-0.21s:0.2; Mns0.37s:0.2; Mns0.12s:0.4; Mns0.153s:0.1; Mns0.35s:0.4; Best double couple: Mw1.59000x1017, NP1.95.00000: 879.00000, 1.177.00000, NP2.186.00000: 887.00000, 1.1.000000, Principal axes: T 7090, P1g10.0000, Azm51.0000, P -0.2260, P1g78.0000, Azm202.0000; P -1.4840, P1g6.0000, Azm320.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 22 17:36:20.5, 35.71S:99.84W, h12km, Moment Tensor Solution, Duration: 3s5 Moment tensor: Scale 1017Nm; Mn-0.14; Mns-0.14; Mns0.27; Mns0.16; Mns0.134; Mns0.10; Fault plane solution: Mw1.37000x1017, NP1.95.00000: 879.00000, 1.177.00000, NP2.186.00000: 887.00000, 1.1.000000, 1.173.220000, Principal axes: T 14494, P1g7.00000, Azm229.00000; N -0.1575, P1g83.00000, Azm74.00000; P -1.29129, P1g3.00000, Azm320.00000;

ISC 22 17:36:15.5:0.3, 36.10S:0.08:100.60W:0.08, h16km, n304, c1762/229, mb5.0/98, MS4.8/52, 14C-15D, Southeast of Easter Island

Main station list for 22d 17h (continued). Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H03S2, H03S1, H03S3, etc.

1263

Table of astronomical objects with columns: Name, RA, Dec, Mag, and other details. Includes objects like ROCH EI Roble, BO04 La Punta, MT05 Renca, CO06 Fray Jorge, and many others.

2019 MAY

Table of astronomical objects with columns: Name, RA, Dec, Mag, and other details. Includes objects like SBA Scott Base, VNA3 Neumayer Olym, VNA4 Vanda, and many others.

22d 17h

Table of astronomical objects with columns: Name, RA, Dec, Mag, and other details. Includes objects like RSSD Black Hills, MOOV Moose Ponds, YBH Yreka Blue Hor, and many others.

Table with columns: Code, Station Name, Az, El, Pmax, Pmin, etc. Includes stations like NJ2 Nanjing, VORR Voronezh, VSR Storzhevoje, etc.

Technical notes and data for stations: IDC 22 18:10:04.9-0.4, 15:32Sx173.33W, h0km, mb4.6/22, mbtm4.6/22, MS4.5/49, Error ellipse: s-maj=18.6km...

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like AFI Afiamalu, NIUE Niue, etc.

Main table with columns: Code, Station Name, Az, El, Pmax, Pmin, etc. Includes stations like OUZ Omahuta, GRZ Great Barrier, URZ Urewera, etc.

Main table with columns: Code, Station Name, Az, El, Pmax, Pmin, etc. Includes stations like WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, etc.

1265

Table with columns for station ID, name, elevation, distance, bearing, and magnetic declination. Includes stations like N17K Nushagak Hills, L14K Kuka Creek, M16K Timber Creek, etc.

2019 MAY

Table with columns for station ID, name, elevation, distance, bearing, and magnetic declination. Includes stations like BMRM Bremner River, M23K Glacier View, CRQM Cirque, etc.

22d 18h

Table with columns for station ID, name, elevation, distance, bearing, and magnetic declination. Includes stations like G17K Kiwalik Mouna, Q32M Nakina River, CN2 Chagchuchun, etc.

22d 18h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like T25A Trinidad, E18K Tukpahlearkir C, M31M Drury Creek, etc.

2019 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H29M Whitestone, TOLK Toolik Lake Re, F26K Sheenjek River, etc.

1266

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like BTO comp=Z,29nm,1.3s, BTO comp=Z,350nm,9.8s, BTO comp=Z,210nm,16.5s, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like AKBB, RAYN, RAYN, KWP, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like LOTRU, MOA, SAHR, SAHR, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like YULB, YULB, CHHK, CHHK, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like Chiawan, Shilin, Tongmen, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like WCHH Zhanghua, WCHI Changhua City, WCHM Miaoli, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like PLCA comp=Z,2.4nm,0.9s, ITQB Itaquí, etc.

IDD 22:19:41:04.20.0.6, 57.875:23.32W, h0km, mb4.3/9, mbmp4.3/10, ML4.3/1, MS3.5/9, Error ellipse: s-maj=24.6km s-min=17.5km az=49.0, NEIC 22:19:41:05.6:2.8, 57.9S:0.1:23.4W:0.2, h10km, 1km, mb4.9/37, Error ellipse: s-maj=19.5km s-min=15.8km az=216.0

ISC 22:19:41:06.5:0.5, 57.85S:0.08:23.38W, 0.09, h16km, n85, h=14.79, mb4.9/25, MS3.5/9, 7C-1D, South Sandwich Islands region

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, etc.

IDD 22:19:41:45.7:0.6, 45.60N:26.23E, h147km, 6km, mb3.2/8, mbmp3.6/15, Error ellipse: s-maj=17.3km s-min=14.7km az=179.0, SOF 22:19:41:45.5, 45.54N:0.02:26.30E:0.01, h150km, 5km, MD3.6/9

BUC 22:19:41:46.0:0.2, 45.55N:26.36E, h146km, 1km, m4.1/74, Error ellipse: s-maj=1.3km s-min=1.2km az=1.0, SIGU 22:19:41:46.0, 45.56N:26.34E, h146km

BEO 22:19:41:55.7:0.3, 45.18N:25.30E, h0km, ML3.4/8, ISC 22:19:41:45.7:0.7, 45.56N:0.03:26.30E:0.02, h154km, 4km, n161, r129/235, mb3.6/8, 69C-62D, Romania

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like NEHR Nehoiu, MLR Muntele Rosu, etc.

Table listing station codes (e.g., WCHH, TAP, WCHI) and their corresponding coordinates and data points. Includes a section for JOW (Jowshuan) with specific parameters like 1.8nm, 0.3s, baze=131, slow=26, SNR=1.4.

Table listing station codes (e.g., SONM, LSA, MKAR) and their corresponding coordinates and data points. Includes a section for ASIES 22:20:18:55.5, 23:64N, 122:09E, h32km, ML3.6, Mw3.5.

Table listing station codes (e.g., HGSD, ETM, WARB, WCHI) and their corresponding coordinates and data points. Includes a section for ASIES 22:20:18:55.5, 23:64N, 122:09E, h32km, ML3.6, Mw3.5.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include TWKB, TWK1, JISG, PHUB, etc.

IDC 22 20:41:25.4-0.7, 23:79N-122:19E, h0km, mb3.8/1.4, mbtmp3.9/15, ML3.8/1, MS3.1/15, Error ellipse: s-maj=22.4km s-min=16.2km az=60.0

NEIC 22 20:41:25.5-1.6, 23:58N-122:16E-0.3, h10km, 1km, mb4.3/9, Error ellipse: s-maj=6.6km s-min=3.0km az=48.0

BUI 22 20:41:27.5, 23:74N-122:18E, h18km, mb4.3/6, mb4.2/11, ML4.1/3, Ms4.0/14, Ms3.9/14

TAP 22 20:41:28.8, 23:68N-122:08E, h26km, ML4.2, D Moment Tensor Solution. Moment tensor: Scale: 10^22Nm, Mm-1.06; Mss0.22; Mss0.24; Mss0.25; Mss0.75;

ASIES 22 20:41:28.8, 23:68N-122:08E, h26km, ML4.2, Mw4.1, Moment Tensor Solution. Moment tensor: Scale: 10^22Nm, Mm-1.06; Mss0.22; Mss0.24; Mss0.25; Mss0.75;

JMA 22 20:41:28.1-0.1, 23:71N-122:17E-0.6, h27km, MD4.1/17, MV3.7/17, TAIWAN REGION

ISC 22 20:41:26.7-1.0, 23:64N-122:09E-0.02, h12km, 6km, n227, s190/328, mb4.0/18, MS3.2/11, 6C-10D, Taiwan region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include TEYL, SHUL, SHUL, etc.

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Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include WHYT, TWE, TWE, etc.

22d 20h

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include JLU, WLCH, WTP, etc.

22d 20h

Table listing astronomical objects with columns for name, coordinates, and other parameters.

RSNC 22:20:49.43.9.1.2.3. S:3.3:7.8W:1.1, h19km, 11km, M3.8, mB4.8, mb4.6, ML3.2, Mw(mB)4.1

Main table listing astronomical objects with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes objects like TAIS, BOSC, AZOG, etc.

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Table listing astronomical objects with columns: SDV, name, coordinates, and other parameters.

ITTB 22:20:49.44.7.1.0.2.59S:77.42W, h84km, 10km, mb4.5

Main table listing astronomical objects with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes objects like TXAR, PDAR, YKA, etc.

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Table listing astronomical objects with columns: TDCB, name, coordinates, and other parameters.

ASIES 22:20:58.16.5.23.97N:121.63E, h27km, ML3.8, Mw3.4

Main table listing astronomical objects with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes objects like HWA, TEVL, etc.

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like JIASHIAN, SZHU, SHULLIN TOWNSH, YIJHU, YIJU, SHINHUA, TAIMALI, SHANHUA, CISHAN, TAINAN CITY, SANDIMEN, MAJIA, SHOUSHAN, MASHIBULO, CHIGU TOWNSHIP, ANSHU, DAWU TOWNSHIP, GUSHAN, FANGLIU, SHIZI, LAN-YU, FUMUN, LYUB, HATERUMA JIMA, DUNJING, MANZHOU TOWNSH, HENGCHUN, KURO-SHIMA, HENGCHUN, QIMEI, WUCUI, ISHIGAKIJIMAH, HOUXIANGCUN, MATSU, TARAMA, CHIN-MEN TAO, IRABUJIMA, JIALANG, AO XIUCUN, DONGSHAN, KUNIGAMI, JOW, ASAJI, MAKACHI ARRAY, WARRAMUNGA ARR, YKAWARRAMUNGA ARR.

IDC 22 21:10:27.4.3, 47.97N; 105.45W, h0km, mbtp2.6/1, ML3.7/1, Error ellipse: s-maj=67.9km s-min=27.8km

NEIC 22 21:10:28.5.1, 0.43' 68N; 103.105' 27W, 0.09 h0km, 1km, ML3.1/42, Error ellipse: s-maj=11.2km s-min=3.8km az=286.0

ISC 22 21:10:29.7.1.1, 43.65N; 106.016' 32W, 0.06 h0km, n28, c=087/26, Wyoming

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like BLACK HILLS CASPER, LASA ARRAY, BRIGGS, PDAR, OGNEL, YMP, LOHW, ISCO, HITA, MOOW, FXYR, BOZ, HWUT, KAYE SHEDLOCK, EGLETON, PRESTON NUTTER, ECSD, HMY, H10CA, NEWPORT INFRA, IS65U.

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like SANGIHE, LUWUK, MASOHI, SANTIAGO NILTE, HUATULCO, MATIAS ROMERO, TUXTLA GUTIERI, TUXTLA GUTIERI, YOPACAPA, PAVENCUL, CATARINA, PUERTO ESCONDI, ARROYO ZACATE, TUZANDEPEL, OAXACA, VISTA HERMOSA, RETALHULEU, HUEHUETENANGO, EL PALMAR, YOSONDUA, YONISONDUA, PINOTEPA, TLAXIACO, TOXPALAN, YOPACAPA, ALOTENANGO, TEHUACAPAN, FRESNILLO DE T, MALINALTEPEC, TLAPA, CRUZ GRANDE, FLORES, SABANCY, ESQUIPUL, MONTECRISTO, LOS ARROYOS, POPocatepeti, MEZCALA, YAUATEPEC, PLATANILLO, PLATANILLO, EL CAYACO, PUENTE STO NIN, ZIHUATANEJO, ZIHUATANEJO, TEGUIGUALPA, MOGUEL, HERNANDEZ TELICA, CERRO NEGRO, LAS JUNTAS DE, JTS, ZAI, LCR2, SOR, CHAPARRAL WMA, JUNCTION CITY, LAJITAS ARRAY, LAJITAS ARRAY, BRADY, ASPERMONT, SAMNORROW, MOUNTAIN GROVE, WUPAKTI, WUAZ, JOES SOUTH FOR, MINA ARRAY BEA, LA PAZ, YELLOWKNIFE ARR, SHELDON LAKE, MOUNT DEMPSTER, PASO FLORES, ELISEN ARRAY, ELISEN ARRAY, BURNT MOUNTAIN, MOUNTAIN, WARRAMUNGA ARR.

IDC 22 21:16:12.6.1.1, 15.39N; 94.13W, h0km, mb3.6/7, mbmp3.6/8, ML3.9/1, Error ellipse: s-maj=63.3km s-min=20.9km az=62.0

NEIC 22 21:16:17.5.2.4, 15.32N; 107.07-94.49W, 0.04 h32km, 8km, mb4.2/10, Md4.3/37(MEX), Error ellipse: s-maj=11.4km s-min=3.6km az=200.0

MEX 22 21:16:18.0.0.9, 15.30N; 94.50W, h16km, 24km, MD4.3 GCG 22 21:16:19.8.4.3, 14.20N; 94.29W, h35km, 99km, MD5.1

ISC 22 21:16:16.5.3.2, 15.27N; 105.94-94.52W, 0.05 h30km, 25km, n99, c=146/104, mb3.6/7, Near coast of Oaxaca

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like SANTIAGO NILTE, HUATULCO, MATIAS ROMERO, TUXTLA GUTIERI, YOPACAPA, PAVENCUL, CATARINA, PUERTO ESCONDI, ARROYO ZACATE, TUZANDEPEL, OAXACA, VISTA HERMOSA, RETALHULEU, HUEHUETENANGO, EL PALMAR, YOSONDUA, YONISONDUA, PINOTEPA, TLAXIACO, TOXPALAN, YOPACAPA, ALOTENANGO, TEHUACAPAN, FRESNILLO DE T, MALINALTEPEC, TLAPA, CRUZ GRANDE, FLORES, SABANCY, ESQUIPUL, MONTECRISTO, LOS ARROYOS, POPocatepeti, MEZCALA, YAUATEPEC, PLATANILLO, PLATANILLO, EL CAYACO, PUENTE STO NIN, ZIHUATANEJO, ZIHUATANEJO, TEGUIGUALPA, MOGUEL, HERNANDEZ TELICA, CERRO NEGRO, LAS JUNTAS DE, JTS, ZAI, LCR2, SOR, CHAPARRAL WMA, JUNCTION CITY, LAJITAS ARRAY, LAJITAS ARRAY, BRADY, ASPERMONT, SAMNORROW, MOUNTAIN GROVE, WUPAKTI, WUAZ, JOES SOUTH FOR, MINA ARRAY BEA, LA PAZ, YELLOWKNIFE ARR, SHELDON LAKE, MOUNT DEMPSTER, PASO FLORES, ELISEN ARRAY, ELISEN ARRAY, BURNT MOUNTAIN, MOUNTAIN, WARRAMUNGA ARR.

IDC 22 21:16:26.4.0.8, 15.41N; 94.11W, h0km, mb4.3/15, mbmp4.3/17, ML4.1/2, MS3.4/2, Error ellipse: s-maj=34.9km s-min=14.3km az=58.0

NEIC 22 21:16:31.5.2.1, 15.28N; 106.94-54W, 0.04 h37km, 7km, mb4.7/79, Md4.9/129(MEX), Error ellipse: s-maj=8.3km s-min=5.3km az=195.0

GCMT 22 21:16:31.5.0.7, 15.43N; 103.03-94.45W, 0.04 h33km, 1km, MV4.8/66, Moment Tensor Solution, s18,c21; s66,c82; Duration: 0 Moment tensor: Scale 10^19Nm; Mr1.26; Ms1; Mw=0.62; 10; Ms=0.52; 10; Ms=0.47; 09; Ms=1.20; 06; Mw=0.72; 08; Best double couple: 8.222000, 0.116 NP1=285.00000; 850.00000; 4.45.00000; NP2=0.162.00000; 857.00000; A.131.00000; Principal axes: T 1.8020, Pg577.0000; Azm129.0000; N 0.0460, Plg33.0000; Azm317.0000; P -1.8430, Plg4.0000; Azm225.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MEX 22 21:16:32.2.0.7, 15.33N; 94.59W, h18km, 13km, MD4.9 ISC 22 21:16:31.6.0.7, 15.22N; 104.94-55W, 0.03 h46km, 6km, n284, c=228/319, mb4.7/43, MS3.6/3, 3D, Near coast of Oaxaca

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like SANTIAGO NILTE, HUATULCO, MATIAS ROMERO, TUXTLA GUTIERI, YOPACAPA, PAVENCUL, CATARINA, PUERTO ESCONDI, ARROYO ZACATE, TUZANDEPEL, OAXACA, VISTA HERMOSA, RETALHULEU, HUEHUETENANGO, EL PALMAR, YOSONDUA, YONISONDUA, PINOTEPA, TLAXIACO, TOXPALAN, YOPACAPA, ALOTENANGO, TEHUACAPAN, FRESNILLO DE T, MALINALTEPEC, TLAPA, CRUZ GRANDE, FLORES, SABANCY, ESQUIPUL, MONTECRISTO, LOS ARROYOS, POPocatepeti, MEZCALA, YAUATEPEC, PLATANILLO, PLATANILLO, EL CAYACO, PUENTE STO NIN, ZIHUATANEJO, ZIHUATANEJO, TEGUIGUALPA, MOGUEL, HERNANDEZ TELICA, CERRO NEGRO, LAS JUNTAS DE, JTS, ZAI, LCR2, SOR, CHAPARRAL WMA, JUNCTION CITY, LAJITAS ARRAY, LAJITAS ARRAY, BRADY, ASPERMONT, SAMNORROW, MOUNTAIN GROVE, WUPAKTI, WUAZ, JOES SOUTH FOR, MINA ARRAY BEA, LA PAZ, YELLOWKNIFE ARR, SHELDON LAKE, MOUNT DEMPSTER, PASO FLORES, ELISEN ARRAY, ELISEN ARRAY, BURNT MOUNTAIN, MOUNTAIN, WARRAMUNGA ARR.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like Beigang Elemen, Chenguang, Suanglung, etc.

RSNC 22:21:39:34.9:0.0, 5°N, 1°7'4W, h145km, 2km, M2.6, mb4.0, mb5.1, ML2.3, Mw(mb)4.4, Colombia. Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res.

PTBC PUERTO BERRIO, 1.48 330 P Sn. GUY2 Guyana, Caldas, 1.65 269 S S. BRUC Barrancabermej, 1.71 359 S S. Santa Ana, 1.85 246 P S. Puerto Gaitan, 1.89 124 S S. Prado, 1.92 218 S S. Ortega, Tolima, 2.03 229 P S. La Uribe, Meta, 2.10 199 P S. Tame, Arauca, 2.24 58 S S. Pamplona, Colo, 2.31 26 P S. Ciudad Bolivar, 2.37 285 P S. Zaragoza, Cauca, 2.50 333 S S. Ocarana, 3.00 7 P S. Dabeiba, 3.04 305 P S. Bahia Malaga, 3.82 251 P S. Apartado, Choc, 3.88 313 P S. San Jacinto, C, 4.84 343 P S. Cerrejon, Guaj, 5.79 8 P S.

CGG 22:21:41.49:1.2, 2.16:03N:90:37W, h8km, 21km, MD4.2, Mexico-Guatemala border region. Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like Coban, Flores, Kika Raxquin, Sabana Grande, Aloteno, El Palmar, Monteclaro, Przheval'sk, Kaisay, Saty, Uzunbulak, Shalkode, Shals, Zhnishiske, Podgornoye, Ulahol, Kokpek, Tianshan, Nnss, Mdok, Boomboosky usch, Kastek, Tokmak 2, KTBS, Chhsk, Arxars, Djrk, Djr.

IDC 22:21:55:28.9:0.0, 18°63'N:107°29'W, h0km, mb4.1/9, mbmp4.3/13, ML4.2/4, MS4.0/55, Error ellipse: s-maj=40.5km s-min=14.1km az=66.0. NEIC 22:21:55:31.7:1.6, 18°74'N:107°17'W:0.07, h10km, 1km, mb4.7/101, Error ellipse: s-maj=12.7km s-min=10.8km az=22.0. GCMT 22:21:55:32.7:0.2, 18°81'N:107°20'W:0.01, h24km, MW5.1/127, Moment Tensor Solution. s76, c100; s127, c201; Duration: 0 Moment tensor: Scale 10^16Nm; M2=0.24; M3=3.1; M4=3.1; M5=3.36; M6=12; M6=0.98; M5; M6=4.6; M6=11; M6=0.49; M6=15. Best double couple; M5; 77600x10^16 NP1φ:18.00000°, 579.00000°, 1.00000°. NP2φ:287.00000°, 889.00000°, 1.69.00000°.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like Chamela, Emiliano Zapata, Puert Vallarta, Ciudad de Arme, Campo Tres, Comala, Ahuacatlan, Volcan de Coli, Mazatlan, Aguascalientes, Zihuatanejo, Morelia, Sierra La Lagu, Zatecatas, Sanalona, La Paz, Puento Sto Nin, Papasquiario, Juriquilla Cam, CAIG, Topolobambo, Meizalana, Platanillo, Los Arroyos, Yautepac, Cruz Grande, Santa Rosalia, Matias Romero, Chaparral WMA, Alpina, Sanderson, Del Rio, Douglas, Hondo, Pecos, Cornudas Mount, Monahans, Kenedy, Junction City, Carlsbad 7, Odesa, Aspermet, Sterling City, Hockley, Snyder 5, Mohawk Valley, IRIS PASSCAL I, Abilene, Hawle, Glamis, Snowflake, Albuquerque, Elsinore Mount, Pinyon Flats 0, Pinyon Flats 1, WUAZ, Nacogdoches, Wapadki, Montecristo, Elsinore Mount, Wmoks, North Rim.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like Amarillo, Pinyon Flats 0, Pinyon Flats 1, WUAZ, Nacogdoches, Wapadki, Montecristo, Elsinore Mount, Wmoks, North Rim.

22d 21h

Table with columns for station name, elevation, date, and status. Includes stations like V12A Nelson, M12A Mesa Verde, T25A Trinidad, etc.

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Table with columns for station name, elevation, date, and status. Includes stations like R32K Eaglecrest, S31K Pelican, P32M Atlin, etc.

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Table with columns for station name, elevation, date, and status. Includes stations like J26L Joseph Creek, FRB Froisher Bay, I27K Kandi River, etc.

Table with columns: IZ0K, J19K, E24K, N15K, J18K, L17K, D25K, O14K, E23K, C26K, K17K, L16K, H20K, M15K, RES, G21K, TOLK, POIN, F22K, G24K, D25K, F21K, E22K, J17K, H19K, C24K, M14K, D23K, SIV, L15K, H18K, K15K, G19K, J16K, F20K, M13K, D22K, C14K, L23K, E21K, I17K, G18K, H17K, F19K, E19K, E20K, C20K, N1KH, G17K, J14K, B21K, H03N2, F18K, H03N1, H03N3, B20K, K13K, H16K, YA04, D19K, G16K, F17K, E18K, A22K, B20K, E17K, C19K, F15K, C18K, SP1A, D17K, C003, B18K, F14K, C17K, A19K, TNA, G16K, GAMB, MT08, MT13, LMEL, AQDB, AQDB, ICESG

Table with columns: ICESG, NEEM, B102, RAR, SUMG, CPUP, EGRIP, BDFB, PLCA, SHEM, DAG, BILL, NOR, SPITS, PETK, MA2, MSVF, TIXI, MTE, ARCES, BBTs, NOA, ESDD, YAK, HFS, MDT, URZ, NRIK, DAVOX, GERES, KLR, VRAC, HNR, USRK, MJAR, JHJ, CJC, KEST, DBIC, WRA, ASAR, CMAR, IDC 22:05:17.5-0.7, NEIC 22:05:19.5-1.2, ISC 22:05:19.2-0.6

Table with columns: QSPA, LSZ, VNSA, VNSA, VNSA, TRQA, PLCA, PLCA, CO01, TOR, TOR, STKA, ASAR, ASAR, WRA, WRA, GNI, FCC, P18A, BSUT, PDR, PDR, YKA, Code, DAVA, DAVA, DAVA, DAVA, A105A, OBER, OBER, STRW, LIENZ, SGT05, SGT04, WLONS, PLONS, PLONS, UBR, UBR, ROMAN, FETA, FETA, A103D, WILA, WILA, WILA, MOTA, A107A, A107A, A104C, A104C, ZUR, ZUR, EMING, GUT, GUT, A102A, A102A, BE1A, BE1A, WATA, SLE, SLE, WTTA, WTTA, A109A, A109A, SULZ, SULZ, A101B, A101B, BERGE, BERGE, A100A, A100A, FELD, FELD, BALST, BALST, BFO, BFO, KIZ, KIZ, ENDD, ENDD, OPP, OPP, ABTA, ABTA, BOURR, BOURR, BOURR

23d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like DZM, ASAR, WRA, QSPA, MAW, JNU, FINES.

IDC 22:23:36:29.4-3.7, 16:91S; 175:81W, h384km, mb3.3/5, mbtmp4.0/6, Error ellipse: s-maj=41.5km s-min=35.3km az=134.0

ISC 22:30:36:31.1-1.5, 16:93S; 0:3, 176:0W; 0.2, h400km, n6, -18:9E, mb3.4/5, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like MSVF, STKA, WRA, ASAR, VANDA, ILAR.

IDC 22:23:39:56.9-1.6, 37:95N; 21:33E, h0km, mb3.9/11, mbtmp3.8/14, ML3.2/2, MS3.1/1, Error ellipse: s-maj=32.4km s-min=17.0km az=30.0

NEIC 22:23:39:57.2-2.0, 37:82N; 0:06-21:20E; 0:07, h10km, 2km, mb4-1/9, Error ellipse: s-maj=12.3km s-min=6.0km az=22.0

THE 22:23:39:57.6, 37:97N; 0:9-21:3E; 0:6, h1km, 1km, M3.5/28, MLh3.5/28

ATH 22:23:39:57.2, 37:91N; 21:27E, h5km, 1km, ML3.6/29, Manual Solution by M.Papanicolaou First location: 2019/05/22 23:40:22, This location: 2019/05/22 23:52:54

ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 1 km

PDG 22:23:39:58.2-0.6, 37:33N; 21:26E, h6km, 1km, ML3.6/9, Error ellipse: s-maj=10.5km s-min=7.0km az=2.0

ISC 22:23:39:57.0-0.6, 37:32N; 0:02-21:27E; 0:02, h4km, 4km, n85, 19:09/214, mb4.0/14, MS3.2/5, 8C-5D, Southern Greece

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like LCHA, ANDM, CLEM, YRMI, RL, RLS, KATAKOLO, AXS, DROSSIA, KYPS, LTHK, KRES, PATG, PATC, AMT, ZARO, UPRA, PSDA, VLS, KALE, KLV, KLV, KLV, EFF, PVO, PVO, FSK, FSK, DMLN, SERG, SERG, KALE, KALE, ANX, ANX, EVGI, EVGI, DRAG, DRAG, LK2D, LK2D, TSUK, TSUK, VLX, VLX, EVR, EVR, PYL, MAK, MAK, LTK, AGG, AGG, AXAR, AXAR.

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Large table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like AXAR, TETR, LKR, KRANIDI, WIL2, VILL, METS, MET4, THL, THL, IGT, IGT, VLI, DION, CEK, ULA, OHR, APE, VAY, TIR, TIP, TIP, IDI, IDI, MMB, KKB, ULU, ULU, DRME, DRME, CUC, CUC, BUM, BUM, ALN, ALN, PDG, PDG, PDG, PDG, KZD, KZD, CEME, CEME, HCY, HCY, HCY, KOME, NKME, NKME, TREB, KAR, BRY, BRY, BRY, SJES, VAE, VAE, RAFF, RAFF, UPM, UPM, UPM, STON, SGR, ARG, MFR, RUDO, PAOL, HAPS, TEKS, INTR, FRCG, BORA, A050A, BLY, CAMP, A051A, NRC, GUMA, FDMO, MLR, MLR, MLR, MLR, BOUS, VR, KEST, BRTR, SABO, SOKA, SOKA, OBKA, OBKA, OBKA, PRED, TEOL, VYHS, CTI, ABTA, VRAC, MOTA, GERES, GERES, TUE, AKASG, PABE, PABE, PABE, GARNI, ESDC, HFS, HFS, NC602, NC602, FINES, FINES, FINES, FINES, FIAI, FIAI, EKA, EKA, NOA, NOA, NOA, NOA, AB31, AB31, AB31, ARCES, ARCES, ARCES, ARCES, BVAR, BVAR.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like KK31, KK31, KKAR, SPITS, KURBB, KURK, KURK, MAKZ, MKAR, MKAR, ZAAO, ZALV, ZALV, SCCHO, SONM, DAV, IDC 23:00:02:06.6-1.4, 32:27N; 132:65E, h0km, mb3.6/6, mbtmp3.8/8, ML3.4/2, MS3.2/4, Error ellipse: s-maj=48.9km s-min=19.2km az=59.0, NIED 23:00:02:13.4-0.1, 31:94N; 131:88E, h27km, MW3.8, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mw:4.35; Mw-2.17; Mw-2.18; Mw:0.76; Mw-3.33; Mw:3.68; Fault plane solution: Mo:6.27000x10^14 NP1; 248.00000, 833.00000, 128.00000. NP2: 24.00000, 865.00000, 168.00000, JMA 23:00:02:13.4-0.1, 31:94N; 0:3-131:9E; 0:7, h27km, 1km, JMA Fault I at HYUGANADA REGION, ISC 23:00:02:11.9-1.2, 31:33N; 0:05-131:36E; 0:05, h31km, 9km, n26, -15:59Z, mb3.5/6, h8, Kyushu

NEIC 23:00:05:46.9-1.9, 66:30N; 0:02-157:19W; 0:06, h9km, 6km, Error ellipse: s-maj=3.3km s-min=2.5km az=71.0, AEIC 23:00:05:46.8-1.8, 66:29N; 0:02-157:23W; 0:06, h8km, 7km, ML2.5, Northern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like G19K, F19K, F19K, G16K, H19K, F20K, F20K, F18K, E19K, H18K, H20K, G21K, G17K, F17K, E18K, H17K, F21K, I20K, H21K, H20K, D19K, G16K, F22K, J19K, I21K, D20K, J20K, E21K, H16K, E22K, C19K, H17K, J18K, G23K, COLD, C19K, J16K.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bear Paw Mtn, Minto, Yukon-K, etc.

AEIC 23 00:06:09.2.2.6631N.0'01.157'18W.0'05, h2km,4km, m-LN2.5,ML2.8/36(NEIC), Error ellipse: s-maj=2.9km s-min=1.7km az=107.0, Northern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Purcell MOUNTA, Shalercuk Mo, Honhosa River, etc.

NEIC 23 00:06:01.5-1.5.6630N.0'01.157'18W.0'05, h12km,3km, Error ellipse: s-maj=3.0km s-min=1.7km az=99.0, Northern Alaska

SJA 23 00:17:16.9-0.7, 21.82S:67.38W, h201km, 12km, ML3.4, MW3.5
IDC 23 00:17:17.8-2.5, 21.77S:67.06W, h175km, 27km, mb3.5/1, mbmp3.6/3, Error ellipse: s-maj=41.1km s-min=22.8km az=71.0

SCB 23 00:17:19.3-1.1, 21.80S:67.33W, h169km, 12km, ML3.5/2, MW3.6, Error ellipse: s-maj=6.6km s-min=3.8km az=0.0

ISC 23 00:17:19.0-0.9, 21.83S:0'05.67'35W.0'05, h178km, n33, 1127/37, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Mochara, Yavi, IPOC Station P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Pan de Azucar, Maricunga, La Paz, etc.

TORD Torodi Ar. Bea 76.57 70 P 00 28 44.9 -1.6
MKAR Makanchi Array 145.03 37 PKPbc 00 36 33.5 -0.3

WEL 23 00:28:44.1+1.1, 33.3'S:25.18'0W.3'5, h377km, 33km, M3.8,6, mB4.4/6, ML4.2/13, MLv4.0/6, Mw(B)6.6/6, Error ellipse: s-maj=52.9km s-min=18.8km az=122.8, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Matakaoa Point, Te Kaha, Pakihiroa, etc.

GCG 23 00:32:07.6-2.4, 16.00N.91'24W, h12km, 4km, MD3.9, Mexico-Guatemala border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Kika Raxquin, El Palmar, Qui, Flores, etc.

GCG 23 00:34:47.2-0.3, 15.12N.92'28W, h82km, 5km, MD3.7
MEX 23 00:34:48.2-0.6, 14.90N.92'37W, h94km, 13km, MD3.8
ISC 23 00:34:44.7-2.1, 15.11N.0'3.92'1W.0'2, h107km, 13km, n7, 1147/14, Mexico-Guatemala border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like El Naranjo, PAVE, PAVE, etc.

RSNC 23 00:53:29.0-0.0, 7.2N.7'3W, h147km, 3km, M2.1, mb3.7, ML1.9, MLv2.4, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Barichara, Barrancabermej, Pampuna, etc.

IDC 23 00:59:20.6-1.9, 34.80S:72'49W, h0km, mb3.0/1, mbmp3.4/3, ML3.8/2, MS2.9/2, Error ellipse: s-maj=97.8km s-min=22.5km az=79.0
SJA 23 00:59:21.3-0.8, 34.79S:71'98W, h26km, 2km, ML4.1, MW4.1

GUC 23 00:59:25.2-0.7, 34.80S:71'82W, h42km, 1km, ML4.2
NEIC 23 00:59:25.4-1.1, 34.79S:0'03.71'83W.0'08, h45km, 6km, mb4.1/6, Mw4.1/51, ML4.2(GUC), Error ellipse: s-maj=10.0km s-min=3.9km az=100.0, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; M1: 2.22; M2: -0.02; M3: 1.20; M4: 0.13; M5: 0.05; M6: -1.42; Fault plane solution: M1: 1.87000x10^15 NP1: 6.81000, 320.41000, 110.72000. NP2: 176.60000, 869.96000, 1.86.04000. Principal axes: T 1.8851, Plg65.0000, Azm80.0000; N -0.0286, Plg4.0000, Azm178.0000; P -1.8565, Plg25.0000, Azm270.0000;

NEIC 23 00:59:25.4-1.1, 34.80S:71'81W, h48km, ISC 23 00:59:25.0-0.8, 34.82S:0'03.71'83W.0'05, h42km, 8km, n102, 1143/134, mb4.0/3, 5C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Hualane, Tunca, Panimavida, etc.

Table with columns: AARG, ARCO, CO02, CO03, CO06, ZON, DOCA, G004, LRO5, LCO, YA04, H03S1, H03S3, H03S2, PLCA, H03N1, H03N3, H03N2, AC05, AC02, TRQA, CPUP, PLTB, ITAB, LPAZ, QSPA, TXAR, BOSA, TORO, TORO. Includes station names, coordinates, and times.

CGC 23 01:09:10.61.9, 15.63N, 91.03W, h14km, 54km, MD3.9, 1D, Mexico-Guatemala border region. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res.

NEIC 23 01:13:50.0.2.0, 12.85S, 0.09.45.37E, 0.06, h10km, 1km, mb4.4/18, Error ellipse: s-maj=16.9km s-min=6.8km az=150.0

ISC 23 01:13:51.7.1.0, 13.08S, 44.96E, h0km, mb3.6/5, mbmp3.6/7, ML4.9/2, MS3.4/2, Error ellipse: s-maj=29.4km s-min=25.4km az=152.0

ISC 23 01:13:49.0.0.6, 12.95S, 0.06.45.45E, 0.08, h10km, n37, s=187/39, mb4.2/13, Northwest of Madagascar

Table with columns: SBV, SBO, OPO, FIR, ABPO, AVY, DGRM, V01, V02, V03, V04, V05, V06, V07, V08, V09, V10, V11, V12, V13, V14, V15, V16, V17, V18, V19, V20, V21, V22, V23, V24, V25, V26, V27, V28, V29, V30, V31, V32, V33, V34, V35, V36, V37, V38, V39, V40, V41, V42, V43, V44, V45, V46, V47, V48, V49, V50, V51, V52, V53, V54, V55, V56, V57, V58, V59, V60, V61, V62, V63, V64, V65, V66, V67, V68, V69, V70, V71, V72, V73, V74, V75, V76, V77, V78, V79, V80, V81, V82, V83, V84, V85, V86, V87, V88, V89, V90, V91, V92, V93, V94, V95, V96, V97, V98, V99, V100. Includes station names, coordinates, and times.

Table with columns: TORO, BRTH, DRK, AB31, AB31, ABKAR, GIRL, MKAR, CASY, GSA1, GRA1, ESDC, QSPA, QSPA, ASAR, WRA. Includes station names, coordinates, and times.

WEL 23 01:30:11.9.37.69S, 177.18E, h5km, ML3.4, Mw3.5, Moment Tensor Solution. s10 Moment tensor: Scale 10^14 Nm; Mo=0.42; Mw=1.23; Ms=0.81; Mb=1.08; Mm=1.69; Ms=0.20; Fault plane solution: Ms2.270000x10^14 NP1: phi=103.00000, delta=85.00000, lambda=30.00000. NP2: phi=196.00000, delta=360.00000, lambda=174.00000. Principal axes: T=4.930, Plg17.00000, Azm153.00000; N=2.0930, Plg59.00000, Azm274.00000; P=0.3450, Plg25.00000. TOZ KUZ BKZ MKZ OTBZ OVLICE FAULTING

WEL 23 01:30:11.8.0.4, 38.5.3.17.7E, h5km, M3.6/19, ML3.9/19, M3.6/19, Error ellipse: s-maj=3.3km s-min=3.0km az=161.3, confirmed, Off east coast of North Island. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res.

Table with columns: WIZ, WSRZ, WHRZ, HAZ, HAZ, RUGZ, RUGZ, MARZ, OPRZ, EDZR, GDRZ, URZ, URZ, MWZ, MWZ, LIRZ, MKRZ, PKGZ, TGRZ, RLRZ, KHRZ, WNGZ, KMZ, HRRZ, PRRZ, ALRZ, SHRZ, RIGZ, CNRZ, WPRZ, MTHZ, RAHZ, MRZ, TOZ, KNZ, WHZ, NMHZ, TLZ, KUZ, MHZ, KWHZ, TMVZ, NTVZ, ETVZ, WIAZ, OTVZ, NNVZ, SNVZ, NGVZ, TNVZ, KVZ, COVZ, GRZ, MAVZ, TAVZ, KRHZ, WNVZ, TRVZ, KAHZ, PNHZ, PXZ. Includes station names, coordinates, and times.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names, coordinates, and times.

WEL 23 01:43:33.3, 37.70S, 177.18E, h5km, ML3.3, Mw3.4, Moment Tensor Solution. s6 Moment tensor: Scale 10^14 Nm; Mo=1.4; Mw=0.77; Ms=0.91; Mb=1.04; Mm=0.90; Ms=0.53; Fault plane solution: Ms1.70000x10^14 NP1: phi=294.00000, delta=386.00000, lambda=44.00000. NP2: phi=202.00000, delta=346.00000, lambda=177.00000. Principal axes: T=1.7750, Plg31.00000, Azm168.00000; N=1.6210, Plg46.00000, Azm296.00000; P=0.1530, Plg28.00000. Azm59.00000; Stations used: OPRZ HAZ URZ PUZ BKZ MKAZ OBLIQUE FAULTING

WEL 23 01:43:33.2, 38.5.3.17.7E, h5km, M3.3/17, ML3.7/17, M3.3/17, Error ellipse: s-maj=3.0km s-min=2.7km az=134.2, confirmed, Off east coast of North Island. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MARZ Manawaha, OPZR Ohinepene, EDJR Edgacumbe, etc.

IDC 23 01:47:52.74.9, 6.64S:128.86E, h310km, 53km, mb2.7/1, mbtmp4.0/4, Error ellipse: s-maj=69.7km s-min=20.3km az=67.0, Banda Sea

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

NEIC 23 02:11:41.5.1.9, 2.24S:115.0.09:175.60W:0.06, h10km, 1km, mb4.0/17, Error ellipse: s-maj=17.5km s-min=6.4km az=28.0

IDC 23 02:11:53.8.4.3, 24.06S:176.04W, h96km, 36km, mb3.9/9, mbtmp4.3/11, MS3.3/8, Error ellipse: s-maj=27.0km s-min=20.9km az=76.0

ISC 23 02:11:45.5.0.6, 24.24S:108.175:59W:0.09, h35km, n54, c185/41, mb4.6/16, MS3.2/6, C, South of Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAO Raoul Island, NIUE Niue, MSFV Nonsavu, etc.

TEH 23 02:18:22.8.34.44N:45.74E, h8km, 64km, ISN 23 02:18:23.4.0.6, 34.42N:45.68E, h14km, 45km, ML2.6, ISC 23 02:18:23.0.1.1, 34.44N:45.74E:0.04, h11km, 15km, n13, c97/0, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KGS Ghaz-e-Shirin, GLGI Gilan-e-Gharb, IDHR Dehrah, etc.

SJA 23 02:43:46.3.0.7, 29.45S:68.28W, h112km, 4km, ML3.4, MIV.5

ISC 23 02:43:47.2.1.4, 29.47S:68.31W:0.03, h126km, 11km, n36, c192/65, C, San Juan Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACVD Cuesta del Vie, AACL CERRO LA CRUZ, AROD Rodeo, etc.

IDC 23 03:12:20.0.1.7, 4.77N:126.68E, h0km, mb3.7/5, mbtmp3.7/5, Error ellipse: s-maj=153.5km s-min=20.8km az=66.0, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKASG Malin Array Be, BRTR Keskin Array B, MMAI Mount Meron Arr, etc.

WEL 23 02:14:48.5.0.9, 38.84S:177.7E, h5km, 6km, M1.8/6, ML2.1/6, MLV1.8/6, Error ellipse: s-maj=6.4km s-min=5.0km az=114.2, confirmed, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WIZ White Island, WSRZ White Island S, WHRZ White Island, etc.

BER 23 02:15:55.6.2.9, 74.58N:8.58E, h10km, mb(Pn)3.6, 1C, Confirmed Earthquake, Greenland Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BJO1 Bjornoya, HSPB Hornsund, BRBA Barentsburg A, etc.

TEH 23 02:18:22.8.34.44N:45.74E, h8km, 64km, ISN 23 02:18:23.4.0.6, 34.42N:45.68E, h14km, 45km, ML2.6, ISC 23 02:18:23.0.1.1, 34.44N:45.74E:0.04, h11km, 15km, n13, c97/0, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KGS Ghaz-e-Shirin, GLGI Gilan-e-Gharb, IDHR Dehrah, etc.

SJA 23 02:43:46.3.0.7, 29.45S:68.28W, h112km, 4km, ML3.4, MIV.5

ISC 23 02:43:47.2.1.4, 29.47S:68.31W:0.03, h126km, 11km, n36, c192/65, C, San Juan Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACVD Cuesta del Vie, AACL CERRO LA CRUZ, AROD Rodeo, etc.

IDC 23 03:12:20.0.1.7, 4.77N:126.68E, h0km, mb3.7/5, mbtmp3.7/5, Error ellipse: s-maj=153.5km s-min=20.8km az=66.0, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LCO, ACHE Chepes, ACHE Tololo Observa, etc.

WEL 23 02:53:35.6.37.68S:177.17E, h6km, ML3.3, Mw3.3, Moment Tensor Solution, s7 Moment tensor: Scale 10^14 Mn: Mn-0.21; Mw0.63; Mw-0.42; Mw+1.02; Mw0.68; Mw-0.07; Fault plane solution: Mt1.30000x10^14 NP1: e9.990000, d85.00000, l-53.00000. NP2: e196.00000, d38.00000, l-171.00000. Principal axes: T 1.5140, Plg30.0000, Azm159.0000; N -1.0950, Plg37.0000, Azm275.0000; P -0.4190, Plg38.0000, Azm43.0000; Stations used: OPZR HAZ URZ RTZ PZ MKAZ OBLIQUE FAULTING

WEL 23 02:53:35.6.37.68S:177.17E, h5km, ML3.3/19, ML3.6/19, MLv3.3/19, Error ellipse: s-maj=3.0km s-min=2.8km az=14.3, confirmed, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WIZ White Island, WSRZ White Island S, WHRZ White Island, etc.

WEL 23 02:53:35.6.37.68S:177.17E, h6km, ML3.3, Mw3.3, Moment Tensor Solution, s7 Moment tensor: Scale 10^14 Mn: Mn-0.21; Mw0.63; Mw-0.42; Mw+1.02; Mw0.68; Mw-0.07; Fault plane solution: Mt1.30000x10^14 NP1: e9.990000, d85.00000, l-53.00000. NP2: e196.00000, d38.00000, l-171.00000. Principal axes: T 1.5140, Plg30.0000, Azm159.0000; N -1.0950, Plg37.0000, Azm275.0000; P -0.4190, Plg38.0000, Azm43.0000; Stations used: OPZR HAZ URZ RTZ PZ MKAZ OBLIQUE FAULTING

WEL 23 02:53:35.6.37.68S:177.17E, h5km, ML3.3/19, ML3.6/19, MLv3.3/19, Error ellipse: s-maj=3.0km s-min=2.8km az=14.3, confirmed, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WIZ White Island, WSRZ White Island S, WHRZ White Island, etc.

IDC 23 03:12:20.0.1.7, 4.77N:126.68E, h0km, mb3.7/5, mbtmp3.7/5, Error ellipse: s-maj=153.5km s-min=20.8km az=66.0, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

23d 3h

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

VIE 23 03:23:35.5:0.4, 51.53N:16.09E, h0km, mb2.5/1.1, ml2.8/9, ms3.2/1, Error ellipse: s-maj=3.7km s-min=2.2km az=19.0 80 km NW of Wroolaw Suspected Mining Induced.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSP Ksiab, CHVC Chivalec, OSTC Ostas.

UPC Upec, DPC Dobruska-Polom, PIVO Bartosovice, PIVO Panska Ves, KRLC Kraliky.

BRG Berggiesshubel, PRA Prague, PRU Pruhonice, STEB Steborice.

HSKO Hora Svate Kat, CLL Colim, MORC Moravsky Berou, VRAC Vranov, VRAC Vzelka Javorina.

JAVC Vzelka Javorina, KHC Kasperske Hory, CKRC Cesky Krumlov, GERES GERESS Array B.

GERES GERESS Array B, LANS Liptovska Anna, LANS LANS, MODS Modra-Piesok.

NIE Niedzica, VYH Vyhne, BSD Bornholm Skovb, MOA Molin, MOA MOA.

BIOA Bad Ischl, Aus, LUNU Lund, LUNU Lund, LUNU Lund, LUNU Lund, BLEU Blekinge.

LES A Schwarzeleot, BJUU Bjuv, BJUU Bjuv, BJUU Bjuv, BJUU Bjuv, BJUU Bjuv.

KBA Koelnbreinsper, SOKA Soboth, DEL Delary, DEL Delary, DEL Delary, MYKA Terra Mystica.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MOTA Moosalm, VXXJU Vaexjoe, VXXJU Vaexjoe, ABTA Abfeltersbach.

OSKU Oskarshamm, OSKU Oskarshamm, BYXU Byxelkrok, BYXU Byxelkrok, FABU Falkenberg, FABU Falkenberg.

GNOU Gnosjoe, GNOU Gnosjoe, DAVA Damules, DAVA Damules, EKSU Eksjoe, EKSU Eksjoe.

VIKU Vikoblandet, VIKU Vikoblandet, AKASG Malin Array Be, HFS Hagfors, FINES FINES Array B.

ARCES ARCESS Array B, ISN 23 03:29:50.7:0.4, 35.70N:45.96E, h6km, 9km, ML3.4.

TEH 23 03:29:51.5:0.3, 35.61N:45.82E, h9km, ISN 23 03:29:52.0:0.3, 35.58N:45.87E, h10km, n34.

Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDHR Dehrash, IDHR Dehrash, KGSJ Ghasr-e-Shirin.

MAH Mahabad, IKRK Kirkuk, IKRK Kirkuk, IGHG Ghalghaz, GLG1 Ghasr-e-Charb.

SNOR Songor, Kerman, KCHF Cheshme Sefid, IBZA Bozab, IHSB Hashtrud.

IAZR Azarshahr, HGHA Haghadan-Ghaye, IBDR Badra, IBDR Badra, IBDR Badra.

IBDR Badra, BHD BHD, IKFM Kafar-mosalman, HSHM Saman.

ITBZ Tabriz, ISHB Shebaster, HAGD Aghdareh, IHRS Heris, QASB Abgarim-Qazvin.

JIR1 Jirandeh, GRMI Germi, IGZV Ghazvin, KLST Kelardash - M, MZPU Pul - Mazandar.

IFIR Firuzkooh, IZEF Zefreh, KLUJ Kulan, DSBU Dashed - Busha, IDC 23 03:32:27.7:0.8, 0.45S:99.21E, h47km, 6km, mb4.0/17.

mbmp4.2/19, MS3.2/15, Error ellipse: s-maj=24.0km, s-min=10.4km az=75.0.

DJA 23 03:32:28.8:0.3, 0.5S:9.9E, h47km, 32km, M4.6/14, mb4.8/2, mb4.6/7, MLV4.7/14, MW(mb)4.0/2.

NEIC 23 03:32:29.1:1.3, 0.40S:0.07E, 99.21E:0.07, h57km, 7km, mb4.6/24, Error ellipse: s-maj=10.8km s-min=8.8km az=48.0.

ISC 23 03:32:28.2:0.5, 0.43S:0.05E, 99.15E:0.05, h53km, n93, 1217/16, mb4.5/28, MS3.2/13, Southern Sumatera.

Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PPI Padang Panjang, MNSI Mandailing Nat, MNSI Mandailing Nat.

SBSI Sibolga, SBSI Sibolga, BKNI Bangkinang, BKNI Bangkinang, BKNI Bangkinang.

GSI Gunungstoli, GSI Gunungstoli, GSI Gunungstoli, GSI Gunungstoli, GSI Gunungstoli.

PSI Prapat, PSI Prapat, PSI Prapat, PSI Prapat, PSI Prapat.

PSI Prapat, PSI Prapat, PSI Prapat, PSI Prapat, PSI Prapat.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, WBO Warramunga Arr.

WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr.

GTA Gaotai, GTA Gaotai, WRA Warramunga Arr, FORT Fort, ASAR Alice Springs.

JNU Natusue, JNU Natusue, KSRS Korea Array, KSRS Korea Array, KSRS Korea Array.

TARG Taragay, Kyrig, TARG Taragay, TARG Taragay, TARG Taragay.

KDJ Kajisa, BOOM Boomygoe usch, CHGR Chuangyaron, SIMJ Simiganj, SIMJ Simiganj.

SONM Songio Array, SONM Songio Array, SONM Songio Array, SONM Songio Array, SONM Songio Array.

STKA Stephens Creek, STKA Stephens Creek, MJAR Matsushiro Arr, MJAR Matsushiro Arr.

USRK Ussuriysk Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr.

KURBB Kurchatov Arr, KURBB Kurchatov Arr, KURBB Kurchatov Arr, KURBB Kurchatov Arr, KURBB Kurchatov Arr.

ZAAO Zalesovo Array, ZAAO Zalesovo Array, ZAAO Zalesovo Array, ZAAO Zalesovo Array, ZAAO Zalesovo Array.

ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam.

KLR Kuldr, BVAR Borovoye Array, BVAR Borovoye Array, BVAR Borovoye Array, BVAR Borovoye Array.

ASAJ Asahikawa, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array.

ABKAR Akbulak array, ABKAR Akbulak array, ABKAR Akbulak array, ABKAR Akbulak array, ABKAR Akbulak array.

H04N2 CROZET ISLANDS, H04N2 CROZET ISLANDS, H04N2 CROZET ISLANDS, H04N2 CROZET ISLANDS, H04N2 CROZET ISLANDS.

H04N1 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N1 CROZET ISLANDS.

H04N3 CROZET ISLANDS, H04N3 CROZET ISLANDS, H04N3 CROZET ISLANDS, H04N3 CROZET ISLANDS, H04N3 CROZET ISLANDS.

H04S1 CROZET ISLANDS, H04S1 CROZET ISLANDS, H04S1 CROZET ISLANDS, H04S1 CROZET ISLANDS, H04S1 CROZET ISLANDS.

H04S2 CROZET ISLANDS, H04S2 CROZET ISLANDS, H04S2 CROZET ISLANDS, H04S2 CROZET ISLANDS, H04S2 CROZET ISLANDS.

CASY Casey, YAK Yakutsk, NRIK Norilsk, NRIK Norilsk, NRIK Norilsk.

LSZ Lusak, LSZ Lusak, TXI Tiksi, TXI Tiksi, TXI Tiksi.

BOSA Boshof, BOSA Boshof, BOSA Boshof, BOSA Boshof, BOSA Boshof.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ASAR Alice Springs, TXAR Lajitas Array, ILAR Eielson Array, etc.

RSNC 23 05:50:14.0, 0.0, 5 N, 1 7 4 W, h144 km, m3.5, mb4.5, ML1.8, MLv2.2, Mw(mB)3.7, Colombia

Table listing station names and their coordinates for the RSNC station network in Colombia, including CHIC Chingaza, ROSC El Rosal, etc.

KRNET 23 03:58:24.3, 0.1, 40 22'N, 71 13'E, h4km, mb2.5

Table listing station names and their coordinates for the KRNET station network, including BTK Batken, CHM Chimion, etc.

GCG 23 04:36:40.5, 0.8, 15 28'N, 91 93'W, h148 km, MD3.7, Mexico-Guatemala border region

Table listing station names and their coordinates for the GCG station network, including HUEH Huehuetenango, CAT Catarina, etc.

IDC 23 04:44:22.7, 1.5, 59 78'N, 137 19'W, h0km, mb3.2/2, mbmp3.2/6, ML3.2/4, Error ellipse: s-maj=23.7km

Table listing station names and their coordinates for the IDC station network, including P30M Million Dollar, P29M Windy Craggy, etc.

ISC 23 04:44:24.3, 0.6, 15 01'N, 0 02'136 89'W, 0 02, h5km, 5km, n163, r180/193, Southern Yukon Territory

Table listing station names and their coordinates for the ISC station network in the Southern Yukon Territory, including P30M Million Dollar, P29M Windy Craggy, etc.

Main table listing station names, coordinates, and various parameters for stations across the region, including SKAG Skagway, YUK6 Outpost Mounta, etc.

Table listing station names, coordinates, and various parameters for stations in the 23d 4h region, including WAX, TGL Tana Glacier, etc.

23d 5h

2019 MAY

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for J26K, J25K, H29M, H27K, RND, ILAR, PRP, G31M, G27K, F31M, G24K, INK, YKA, RES, TXAR.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for ASAR Alice Springs, ASAR Alice Springs, I22FR PORTLAGUERRE.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Arr.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for JTK Tokunoshima, JAMN Amaminishikomi, JOKE Okinoerabujima.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for JYRO Yoronijima, JOW Kunigami, JAM Amami Oshima, JZK Kikashima.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for JYAK Yakushimahirau, JKDJ Kitadomijima, JMZ Minamidaito.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for JMZ Minamitanite, JMNT Minatanite, J25K Salcha River.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for NACB Ninganchiao, YULB Yu-li, SSLS Suanglung.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for H1N2 WAKE ISLAND Hy 35.47, H1N1 WAKE ISLAND Hy 35.47, H1N3 WAKE ISLAND Hy 35.49.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for ANM Nome, F15K North Star Dit, AB31 Akbulak array.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for G18K Tagagawig, E19K Redstone River, B20K Meade River.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for H23K Yukon River, D24K Happy Valley, E24K Your Creek.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for F25K Kevik River, ILAR Eielson Array, F25K Sand Creek.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for AKASG Malin Array Be, AKASG Malin Array Be.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for MMAI Mount Meron Ar, NOA NORSAR Array B, NOA NORSAR Array B.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for NIKH Nikolski High, NIKH Nikolski High, NIKH Okmok Steeple.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for ATKA Atka Island, ATKA Atka Island, ATKA Atka Island.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for AKUT Akutan Reef, AKUT Akutan Reef, AKUT Akutan Reef.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for AKUT Akutan Reef, AKUT Akutan Reef, AKUT Akutan Reef.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for AKUT Akutan Reef, AKUT Akutan Reef, AKUT Akutan Reef.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for AKUT Akutan Reef, AKUT Akutan Reef, AKUT Akutan Reef.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for AKUT Akutan Reef, AKUT Akutan Reef, AKUT Akutan Reef.

Table with columns: PEAOB, PETK, PETK, B21K, I26K, E24K, D23K, BILK, BILL, O29M, P29M, HYT, C23K, C23K, DAWY, H27K, H27K, N30M, N30M, O30N, K29M, K29M, SKAG, BESE, BESE, BESE, P32M, P32M, Q29M, Q29M, EPYK, EPYK, P33M, P33M, Q32M, Q32M, R33M, R33M, INK, INK, YKA, YKA, YKA, YKA, YBH, NEW, J08A, J08A, KLR, H11N2, H11N3, H11N1, H11S1, H11S2, H11S3, NVAR, NVAR, BOZ, BOZ, MJAR, MJAR, MAJO, MJB9, ELK, ELK, JGF, MOOF, R11B, R11B, TPNV, TPNV, BW06, BW06, PD31, PD31, PDAR, PDAR, O20A, KSRS, KSRS, KSRS, JUNU, ANMO, FRB, SPITS, SPITS, HHC, HHC, TX31, TXAR, TXAR, P40A, SCHO, ZALV, KURBB, KURBB, WMQ, WMQ, BVAR, BVAR, FINES, FINES, NOA, NOA, HFS, HFS, UBPT, CMAR, CMAR

Table with columns: WRA, RPSI, ASAR, BOSB, BOSB, NEIC, IDC, ISC, Code, MSVF, MSVF, DZM, URZ, EIDS, EIDS, ARMA, ARMA, CTAO, TOO, COEN, COEN, STKA, STKA, BBOO, BBOO, WRB, WRB, AS31, AS31, ASAR, ASAR, ASAR, ASAR, ASAR, ASAR, WRAB, WRAB, WRA, WRA, WRA, WRA, MNT, FORT, KNRA, KNRA, FITZ, SOEI, PSA00, PSA00, SBA, Vnda, MORW, GIRL, CASY, UGM, MJAR, ADK, PETK, KSRS, USKR, BELA, NVAR, J05D, J05D, U15A, TRF, TRF, RND, RND, RND, RND, WRH, WRH, G19K, HDA, HDA, CCB, ILAR, ILAR, M29M, M29M, G21K, G21K, J26L, J26L, PDAR, PDAR, L29M, L29M, E19K, E19K, DAWY, DAWY, K29M, K29M, CMAR, CMAR, MKAR, MKAR, KURBB, KURBB, BVAR, BVAR, ZALV, ZALV, KURBB, KURBB, KURBB, KURBB

Table with columns: AKASG, RNPB, RNPB, LUBAR, LUBAR, EKA, EKA, SORM, SORM, BRTR, BRTR, BRTR, BRTR, BUR08, MIMAI, CLL, CLL, GERES, GERES, PRED, PRED, NEIC, NEIC, NEIC, Code, KAN13, KAN13, BLOK, BLOK, KAN09, KAN09, KAN17, KAN17, GC02, GC02, KAN01, KAN01, KAN01, KAN05, KAN05, KAN05, KAN14, KAN14, KAN08, KAN08, CROK, CROK, CROK, KAN10, KAN10, KAN12, KAN12, OK048, OK048, OK048, OK051, OK051, OK032, OK032, T35A, T35A, QUOK, QUOK, QUOK, QUOK, OK052, OK052, OK052, OK029, OK029, OK038, OK038, NOKA, NOKA, NOKA, ADOK, ADOK, DEOK, DEOK, DEOK, CSTR, CSTR, FNO, FNO, TUL3, TUL3, R32A, R32A, X34A, X34A, X34A, KSU1, KSU1, WMOK, WMOK, WMOK, SMWD, SMWD, HHAR, HHAR, AMTX, AMTX, P38A, P38A, Z38A, Z38A, R40A, R40A, FCAR, FCAR, X40A, X40A, KSCO, KSCO, CCM, CCM, K22A, K22A, IDC, IDC, ASRS, ASRS, Code, H46RU, H46RU, ZALV, ZALV, ZALV, ZALV, KURBB, KURBB, KURBB, KURBB

Table of station data for stations 1289-1400, including call letters, frequency, and coordinates.

Table of station data for stations 1400-1500, including call letters, frequency, and coordinates.

Table of station data for stations 1500-1600, including call letters, frequency, and coordinates.

23d 6h

Table with columns for station ID, name, elevation, date, time, and coordinates. Includes stations like E18K Tukpahlearik C, H15K Granite Mounta, F18K Selawik, etc.

2019 MAY

Table with columns for station ID, name, elevation, date, time, and coordinates. Includes stations like C23K Ikililik River, G22K Bettles, I21K Tanana, etc.

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Table with columns for station ID, name, elevation, date, time, and coordinates. Includes stations like E27K Coleen River, E27K Coleen River, HARP HAARP, etc.

Table with columns: WHY, FARO, SKAG, SKAG, N32M, MMPY, P32M, P33M, R32K, S32K, Q32M, HFS, R33M, U33K, NOA, DLBC, T35M, V35K, TOAD, YKAW3, YKAW1, GERES, B08A, NEW, BMO, FFC, HLID, NVAR. Includes station names, coordinates, and time/res data.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like El Palmer, Qui, Catarina and their respective data.

IDC 23 06:29:21.2, 3.3, 54.25N-87.62E, h0km, mbtmp 2.9/2, ML2.7/2, Error ellipse: s-maj=29.6km s-min=19.3km az=36.0

ASRS 23 06:29:0.0, 0.54, 10N-87.19E, h0km, M2.7, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like ZALESOVO INFRA, ZALV, ZALV, KURBB, KURBB, MKAR.

TAN 23 06:30:16.0, 13.87S-48.78E, h20km, ML5.5, Fault plane solution: NP=1290.00000, 839.20000, IDC 23 06:30:17.0, 0.0, 6.13, 83S-48.92E, h0km, mb4.1/17, mbtmp 2.18, ML4.5/1, MS3.5/1, Error ellipse: s-maj=20.1km s-min=15.5km az=121.0, NEIC 23 06:30:19.2, 1.3, 13.85S-08.48, 89E, 0.07, h10km, 1km, mb4.7/33, Error ellipse: s-maj=13.8km s-min=10.9km az=322.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like SAMBABA, AMBOHIDRATOMPO, OPO, OPO, OPO, OPO, AVY, FIRM, ABVO, ABPO, MDSM, ATGM, DTRM, ABM, VOI, MSEP, KIBK, LSZ, LSZ, MATP, POGA, POGA, LODK, MREMI, KASANE, LPHEP, LPHEP, PHHD, LBTB, LBTB.

Main table with columns: LBTB, KDWAN, KDWAN, MKAR, MKAR, SKOMA, ATD, BOSA, BOSA, XAUDM, XAUDM, PHPEP, PHPEP, ONGWA, GRTLK, GRTLK, SUR, SUR, KBL, KBL, GEVA, GEVA, BRTR, BRTR, MANT, EVN, DBIC, DBIC, CMAR, CMAR, ELIB, KK31, KK31, KKAR, KKAR, KKAR, TIP, TIP, AAK, AB31, AB31, ABKAR, ABKAR, INTR, INTR, PZH, PZH, PZH, VNA3, MAKZ, MAKZ, MKAR, MKAR, BVAR, BRVK, KURBB, ARTI, KIRV, ESCD, QSPA, QSPA, GSPA, GSPA, FINES, HHC, HHC, HHC, WBO, WBO, TIA, TIA, ARCES, STKA, PDAR, TXAR, NVAR. Includes station names, coordinates, and time/res data.

IDC 23 06:39:36.7, 3.7, 54.25N-87.39E, h0km, mbtmp 2.7/2, ML2.5/2, Error ellipse: s-maj=32.9km s-min=20.6km az=44.0

ASRS 23 06:39:37.0, 0.8, 54.14N-87.16E, h0km, M2.4, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like ZALESOVO INFRA, ZALV, ZALV.

Table with columns: KURBB, MKAR, JMA, YOJ, YOJ, EOSZ, EOSZ, EOS3, EOS3, EOS4, ENA, ENA, TWC, TWC, SX11, SX11, TIPB, TIPB, EWUT, HATJ, HATJ, ENA, ENA, JKRS, EAHA, EAHA, FUSH, FUSH, JJJ, TWA, ENTT, ENTT, YMO1, NWL1, NWL1, LATG, LATG, JISG, JISG, JISG, ETL, ETL, NACB, NACB, TW2, TW2, TW2, YHNB, YHNB, ETLH, ETLH, ETLH, NNSB, NNSB, NNSB, NNSH, HWA, HWA, NNS, NNS, ETM, FUSH, FUSH, WHF, WHF, JTJ, JTJ, WARB, WARB, WARB, WARB, WARB, WARB, HGS, HGS, VVDT, VVDT, WCS, WCS, YULB, YULB, TWFI, TWFI, TWFI, WHY, WHY, ALS, ALS, ALS, EDH, EDH, EDH, TPUB, TPUB, LYUB, LYUB, SLIU, SLIU, SLIU.

IDC 23 06:42:07.9, 65.0, 20.80S-176.19W, h0km, mb3.7/3, s-min=186.1km az=84.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like STKA, ASAR, WRA.

IDC 23 06:50:07.7, 3.0, 53.62N-87.96E, h0km, mbtmp 2.6/2, ML2.2/2, Error ellipse: s-maj=27.6km s-min=17.6km az=55.0

ASRS 23 06:50:05.0, 1.3, 53.62N-87.96E, h0km, M2.7, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like ZALESOVO INFRA, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR.

IDC 23 06:54:59.0, 0.9, 53.41N-87.51E, h0km, M2.3, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station names like ZALESOVO INFRA, ZALV, ZALV.

Table with columns: VSR, FINES, DBIC, MMAL, NB2, NOA, HFS, HFS, BRTR, AKASG, CLL, CLL, GERES. Includes station names, coordinates, and various codes.

ASRS 23 07:05:17.0.0.5, 54.36N, 86.81E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 23 07:05:18.3.3.3, 54.41N, 86.91E, h0km, mbmp2.7/2, ML2.6/2, Error ellipse: s-maj=29.8km s-min=18.1km az=52.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, MKAR.

ASRS 23 07:14:51.0.1.1, 54.04N, 86.49E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 23 07:14:54.5.3.0, 54.08N, 86.53E, h0km, mbmp2.8/2, ML2.4/2, Error ellipse: s-maj=24.5km s-min=15.2km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, MKAR.

ASRS 23 07:23:23.0.0.7, 54.20N, 86.37E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 23 07:23:26.1.3.0, 54.18N, 86.37E, h0km, mbmp2.7/2, ML2.5/2, Error ellipse: s-maj=22.5km s-min=12.9km az=62.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I46RU, ZALV, KURBB, MKAR.

GCG 23 07:28:22.8.0.9, 15.70N, 93.26W, h88km, 17km, MD4.2 MEX 23 07:28:22.4.0.6, 15.65N, 93.37W, h10km, 6km, MD3.9

IDC 23 07:28:18.9.1.4, 15.59N, 0.06-93.93W, 0.04, h115km, 10km, n18, c253/29, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PCIG, TGIG, PATR, PAVE, RTAL, CMIG, STGB, NEUV, VHO, PEIG, PETF, PETF, SCIG, YOIG, TOIG, JAUV.

NEIC 23 07:47:25.7.1.2, 35.40N, 0.01-97.917W, 0.008, h10km, 8km, Error ellipse: s-maj=1.6km s-min=0.8km az=164.0

NEIC 23 07:47:25.2.1.1, 35.396N, 0.010-97.92W, 0.01, h4km, 2km, mb, Lg, 2.1, ML, 2.6/43, Error ellipse: s-maj=1.6km s-min=1.4km az=71.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BCOK, FNO, ADOK, OK029, OK029, OK029.

Table with columns: CSTR, WMOK, OK052, CROK, DEOK, QUOK, OK038, OK048, ELIS, OK051, G002, NOKA, WFTS, TUL3, SMWD, FW03, DKNS, ABTX, AMTX, HHAR, MIAR, FVM. Includes station names, coordinates, and various codes.

NEIC 23 07:55:17.1.1.2, 44.2N, 0.1x129.3W, 0.2, h10km, 2km, mb3.9/3, ML3.5/48, Error ellipse: s-maj=23.1km s-min=17.4km az=246.0

IDC 23 07:55:18.5.3.0, 44.26N, 129.16W, h0km, mb3.1/2, mbmp3.2/5, ML3.0/2, MS3.1/3, Error ellipse: s-maj=52.9km s-min=21.8km az=51.0

IDC 23 07:55:19.4.1.8, 44.22N, 0.1x129.2W, 0.2, h15km, n49, c193/41, Off coast of Oregon

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KEBM, IO2E, JO1E, HEB0, COR, IO3D, K02D, G03D, G03D, F03A, RDR, BUCK, BUCK, E03A, E03A, H04D, H04D, NLWA, NLWA, IO4A, IO4A, BBOR, C03A, H04A, H04A, YBH, H08D, GNDW, LON, C03A, D05A, PINE, LTY, G08A, JO8A, C08A, NEW, NEW, NEW.

FUNV 23 08:06:14.6.9, 86N, 72.87W, h14km, MW3.0 RSNB 23 08:06:17.3.0.0, 10.1N, 1.73W, h0km, 2km, M1.5, ML1.6

IDC 23 08:16:13.0.1.3, 9.74N, 0.03-72.70W, 0.04, h5km, 12km, n9, c085/18, Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CRJC, ARGC, OCAC, CAPV, URIC, S0CV, PAMC, SJCC, BAUV, BAUV.

IDC 23 08:15:35.1.1.4, 35.00N, 24.33E, h0km, mb3.6/5, mbmp3.6/9, ML3.2/4, Error ellipse: s-maj=35.8km s-min=10.4km az=156.0

ATH 23 08:15:36.8, 35.27N, 24.28E, h7km, 1km, ML3.1/12, Manual Solution by P.Lantzourakis First location: 2019/05/23 08:16:30, This location: 2021/05/15 22:30:58

ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 0 km, Longitude uncertainty: 0 km

THE 23 08:15:37.2, 35 N, 1.24, 3E, 0.6, h0km, 3km, M3.0/10, n51, c087/75, mb3.5/5, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PRNS, CHNB, CHAN, CHAN, IMMV, IMMV, CH01, TMBK, TMBK, IDI, IDI, IDI.

Table with columns: H11S2, H11S3. Includes station names, coordinates, and various codes.

IDC 23 07:56:34.4.2.9, 19.02S, 177.17W, h548km, 23km, mb2.9/3, mbmp4.0/5, Error ellipse: s-maj=46.1km s-min=27.5km az=59.0

ISC 23 07:56:34.0.2.4, 19.0S, 0.3x177.4W, 0.3, h550km, n6, c040/6, mb3.7/3, Fiji Islands region

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

TXNET 23 08:04:42.1, 32.1N, 1.10x4.4W, 1.6km, 2km, ML2.0/7, Error ellipse: s-maj=1.9km s-min=1.3km az=51.0, final, Western Texas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TPB11, PECS, GDL2, TPB07, TPB10, CLB, PCOS, TPB01, CLN7, TPB03, MNTX, TPB06, HTMS, VHRN, NM01, TPB16, TPB16, TPB05, MNHN, ALPN, ALPN, ODSA, ODSA, TMB04, TMB05, TX08, TX31, TX31, SAND, SAND.

FUNV 23 08:06:14.6.9, 86N, 72.87W, h14km, MW3.0 RSNB 23 08:06:17.3.0.0, 10.1N, 1.73W, h0km, 2km, M1.5, ML1.6

IDC 23 08:16:13.0.1.3, 9.74N, 0.03-72.70W, 0.04, h5km, 12km, n9, c085/18, Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CRJC, ARGC, OCAC, CAPV, URIC, S0CV, PAMC, SJCC, BAUV, BAUV.

IDC 23 08:15:35.1.1.4, 35.00N, 24.33E, h0km, mb3.6/5, mbmp3.6/9, ML3.2/4, Error ellipse: s-maj=35.8km s-min=10.4km az=156.0

ATH 23 08:15:36.8, 35.27N, 24.28E, h7km, 1km, ML3.1/12, Manual Solution by P.Lantzourakis First location: 2019/05/23 08:16:30, This location: 2021/05/15 22:30:58

ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 0 km, Longitude uncertainty: 0 km

THE 23 08:15:37.2, 35 N, 1.24, 3E, 0.6, h0km, 3km, M3.0/10, n51, c087/75, mb3.5/5, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PRNS, CHNB, CHAN, CHAN, IMMV, IMMV, CH01, TMBK, TMBK, IDI, IDI, IDI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their associated data points.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their associated data points.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their associated data points.

BJI 23 08:45:17.9, 51.58N:178.52W, h47km, mb6.3/71, mb6.2/99, Ms6.0/99, Ms7.5/99

AEIC 23 08:45:17.5, 2.4, 51.24N:0.06:178.22W, 0.05, h37km, 4km, Error ellipse: s-maj=9.3km s-min=4.4km az=192.0

MOS 23 08:45:17.9, 1.51, 51.45N:178.36W, h46km, mb6.3/88, MS5.8/48, Error ellipse: s-maj=6.6km s-min=4.1km

NEIC 23 08:45:17.2, 2.1, 51.31N:0.07:178.24W, 0.05, h30km, 1km, mb6.0/185, ML6.1/6, Ms, 20.5/7.74, Mw5.9/115

Mw6.0/217, Error ellipse: s-maj=11.1km s-min=5.5km az=180.0, Moment Tensor Solution. Moment tensor: Scale

1019Nm; Mr=6.7; Ms=5.63; Ms=1.13; Ms=4.10; Ms=1.54; Ms=3.32; Ms=7.100000; Ms=3.400000x1017

NP1:0.60, 0.200000, 0.64, 71.000000, 0.80, 20.000000. NP2: 0.262, 0.300000, 0.27, 0.100000, 0.109, 81.000000. Principal axes:

Azm145.000000, P1g9.000000, Azm31.000000, N - 0.9637, P1g9.000000, Azm64.000000, P - 7.8185, P1g19.000000, Azm115.000000

ISC-PP 23 08:45:17.51:31N, 178.24W, h35km, Mwppsm6.3, 1019Nm; Moment Tensor Solution. Moment tensor: Scale

1019Nm; Mr=0.12; Ms=0.05; Ms=0.25; Ms=0.40; Ms=1.0; Ms=1.12; Ms=0.13; Ms=0.62; Ms=1.7; Ms=1.700000

NP2:0.7, 7.000000, 0.76, 9.000000, 0.162, 60.000000, 0.13, 70.000000. NP2:0.7, 7.000000, 0.76, 9.000000, 0.162, 60.000000

IPGP 23 08:45:18.0, 51.36N:178.33W, h34km, Mw6.0, Fault plane solution: NP1:0.263, 0.000000, 0.29, 0.000000, 0.113, 0.000000

NP2:0.58, 0.000000, 0.63, 0.000000, 0.78, 0.000000. IDC 23 08:45:18.4, 1.1, 51.49N:178.33W, h35km, 6km, mb5.6/36, mbtm5.8/41, ML5.4/4, MS5.6/92, Error ellipse:

s-maj=13.1km s-min=8.5km az=175.0 NEIC 23 08:45:18.3, 51.51N:178.39W, h40km, Moment Tensor Solution. Moment tensor: Scale

1019Nm; Mr=0.12; Ms=0.05; Ms=0.25; Ms=0.40; Ms=1.0; Ms=1.12; Ms=0.13; Ms=0.62; Ms=1.7; Ms=1.700000

NP2:0.7, 7.000000, 0.76, 9.000000, 0.162, 60.000000, 0.13, 70.000000. NP2:0.7, 7.000000, 0.76, 9.000000, 0.162, 60.000000

Principal axes: T 1.2332, P1g65.000000, Azm285.000000; N 0.0606, P1g20.000000, Azm65.000000; P - 1.2332, P1g15.000000, Azm161.000000

NEIC 23 08:45:18.3, 51.51N:178.39W, h30km, GCMT 23 08:45:18.0, 51.51N:178.23W, h39km, Mw6.0/171, Moment Tensor Solution. Moment tensor: Scale

1019Nm; Mr=0.12; Ms=0.05; Ms=0.25; Ms=0.40; Ms=1.0; Ms=1.12; Ms=0.13; Ms=0.62; Ms=1.7; Ms=1.700000

NP2:0.7, 7.000000, 0.76, 9.000000, 0.162, 60.000000, 0.13, 70.000000. NP2:0.7, 7.000000, 0.76, 9.000000, 0.162, 60.000000

Principal axes: T 1.3810, P1g67.000000, Azm296.000000; N 0.0230, P1g14.000000, Azm63.000000; P - 1.4050, P1g17.000000, Azm158.000000; nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=40s. Triangular moment-rate function

BGR 23 08:45:18.0, 51.40N:179.97W, h37km, 2km, mb6.2, mb 6B6.4, MS5.9/33, Error ellipse: s-maj=18.3km s-min=10.8km az=118.0

ISC 23 08:45:18.0, 51.40N:179.97W, h37km, 2km, mb6.2, h40km, 1km, h40km, PP-P, n216.0, 0.161/2087, mb6.0/425, MS5.7/533, 262C-74, Androanof Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their associated data points.

Table with columns: Station Name, Time, Frequency, Power, Mode, and other technical details. Includes stations like SDPT Sand Point, CNBA Chernabura Isl, CHNA Chernabura Isl, etc.

Table with columns: Station Name, Time, Frequency, Power, Mode, and other technical details. Includes stations like HMT Hamilton, PAX Paxon, PAX Paxon, etc.

Table with columns: Station Name, Time, Frequency, Power, Mode, and other technical details. Includes stations like NKL comp=E,2um,2.5s, NKL comp=N,2um,3.2s, etc.

Table with columns for race type (YAK, JTM, etc.), track name, distance, and race results including horse names, jockeys, and times.

Table with columns for race type (VLA, JOD2, etc.), track name, distance, and race results including horse names, jockeys, and times.

Table with columns for race type (JCJ, Chichijima, etc.), track name, distance, and race results including horse names, jockeys, and times.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ANMO Albuquerque, EROS Data Cent, NACB Ninganchiao, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SFJD Kangerlussuaq, AMTX Amarillo, KAN14 Manchester OK, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like L42A Oliver, FNO Franklin, N41A Harden Midland, etc.

23d 8h

Table with columns for station name, frequency, mode, and signal strength. Includes stations like AAA, KSPA, TNS5, etc.

2019 MAY

Table with columns for station name, frequency, mode, and signal strength. Includes stations like PMG, M63A, NOA, ZIRO, etc.

1300

Table with columns for station name, frequency, mode, and signal strength. Includes stations like KONO, KONGSBERG, BELG, etc.

Table with columns: DRUM, Mains of Drum, 71.99, 2 eP, P, 08 56 35.6, -2.3, 08 56 38.8, etc.

Table with columns: IDGL, Inch Island, C, 73.62, 6 P, P, 08 56 47.9, +0.4, 08 56 46.6, -1.3, 08 56 49.3, etc.

Table with columns: SPSI, Sidrap Palu, 76.09, 245 P, P, 08 57 02.0, -0.4, 08 57 06.9, +4.3, 08 57 04.9, +2.0, 08 57 03.5, +0.9, etc.

Table of astronomical observations for 23 days in May 2019, 08h. Includes stations like ERBR, CHVC, OSTC, etc., and objects like Maumere, Taunus lita, Kislodvsk, etc.

Table of astronomical observations for 23 days in May 2019, 09h. Includes stations like MMRI, TNS, KVAR, etc., and objects like Maumere, Taunus lita, Kislodvsk, etc.

Table of astronomical observations for 23 days in May 2019, 10h. Includes stations like MILM, KHC, KHC, etc., and objects like Kasperske Hory, Cesky Krumlov, etc.

23d 8h

Table with columns for call sign, name, frequency, power, and other technical details. Includes call signs like IGPR, PDDR, BEIL, VSL, etc.

2019 MAY

Table with columns for call sign, name, frequency, power, and other technical details. Includes call signs like AJN, ALX, ALNE, PVAO, etc.

1304

Table with columns for call sign, name, frequency, power, and other technical details. Includes call signs like DMTO, MLZ, DCZ, WHFO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BOYA Boshof, SYO Syowa Base, etc.

HEL 23 08:54:25.6:0.6,60.32N:24.88E, h0km, ML1.8, Explosion, Finland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HEL1 Helsinki, MEF Metsahovi, etc.

SOME 23 09:12:41.2, 44.68N:82.08E, h15km, NNC 23 09:12:43.5:1.1, 44.68N:82.02E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=13.5km s-min=3.8km az=121.0, Suspected Mining explosion.

ISC 23 09:12:40.7:1.8, 44.64N:0.07:82.2E:0.1, h0km, n12, 0564/19, 3C-5D, Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DJR Jarkent, KAPS Kapalarasan, MK31 Makanchi Array, etc.

MEX 23 09:13:46.8:0.8, 19.566N:107.23W, h10km, MD4.0, Off coast of Jalisco

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CJM Chamela, CIHU Emiliano Zapata, etc.

ISC 23 09:13:47.1:1.8, 1.19N:98.98E, h100km, 13km, mb3.9/18, mbtmp4.3/19, Error ellipse: s-maj=29.1km s-min=11.3km az=53.0

DJA 23 09:13:48.9:0.3, 1.1N:3.99E.0.1, h89km, 5km, MA.6/1.4, mb5.2/1, mb4.8/3, MLV4.5/14, Mw(m)4.5/14, NEIC 23 09:13:49.1:1.1, 1.30N:0.07:98.87E:0.06, h106km, 8km, mb4.7/24, Error ellipse: s-maj=9.7km s-min=8.8km az=211.0

ISC 23 09:13:47.0:0.4, 1.25N:0.04:98.91E:0.04, h100km, n85, 01546/92, mb4.5/32, Northern Sumatara

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MNSI Mandailing Nat, GSI Gunungsitoli, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KULM Kulim, MYKOM Kota Tinggi, etc.

ISC 23 09:18:08.9:1.7, 0.67N:122.98E, h0km, mb3.7/4, mbtmp3.8/5, ML3.8/1, Error ellipse: s-maj=126.9km s-min=25.8km az=63.0, Minnassa Peninsula, Sulawesi

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, STKA Stephens Creek, etc.

ASRS 23 09:25:16.0:0.9, 53.68N:86.81E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 23 09:25:17.9:2.8, 53.72N:86.96E, h0km, mbtmp2.6/2, ML2.4/2, Error ellipse: s-maj=27.5km s-min=16.0km az=68.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU Zalesovo INFRA, ZALV Zalesovo Beam, etc.

NOU 23 09:28:24.5, 16.47S:176.74E, h0km, MLv4.1/5, Fiji Islands Region

ISC 23 09:28:31.0:1.0, 16.75S:177.06E:0.08, h14km, n9, 01707/10, mb3.5/4, Fiji Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YSA Yasawairara, MSVF Nonsavu, etc.

ISC 23 09:34:30.6:3.5, 54.49N:86.96E, h0km, mbtmp2.8/2, ML2.4/2, Error ellipse: s-maj=32.5km s-min=20.7km az=51.0

ASRS 23 09:34:29.0:0.7, 54.41N:86.82E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021. Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU Zalesovo INFRA, ZALV Zalesovo Beam, etc.

STR 23 09:35:54.9:1.0, 45.14N:4.41E, h0km, MLv1.2/6, Error ellipse: s-maj=0.0km s-min=0.0km az=87.2, preliminary

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GRN Grenoble, ORIF Oris-en-Rattie, etc.

NEIC 23 09:53:48.0:0.7, 38.38N:0.01x:116.61W:0.04, h14km, 10km, Error ellipse: s-maj=4.9km s-min=1.5km az=79.0

NEIC 23 09:53:48.38:40N:116.63W, h9km, Moment Tensor Solution. Moment tensor: Scale 10^14 Nm; Mrr:0.20; Mss:0.28; Mtt:0.28; Mxx:2.73; Myy:1.27; Fault plane solution: M3.0200x10^14 / MPls:3.00000; 1.85.00000; 1.165.00000; NP2:0.95.00000; 0.65.00000; 4.5.00000; Principal axes: T: 3.0533, Plg1:2.00000, Azm316.00000; -N: 0.0007, Plg64.00000; 1.077.00000; P: -3.0526, Plg121.00000; Azm52.00000

REN 23 09:53:48.2:1.0, 38.40N:0.02:116.63W:0.03, h15km, 7km, ML4.2/36, ML3.9/88(NEIC), Mw3.6/7(NEIC) Error ellipse: s-maj=1.0km s-min=2.1km az=222.0, Selva

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TPB Tonopah, Q09A Carvers, etc.

23rd 10h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GRAC Grapevine Rang, CPY Willow Creek R, Q12A Pahroc Range, etc.

GEN Z3 09:59:28.0, 46.12N-8.01E, h7km, ML1.0
ZUR Z3 09:59:28.6, 46.12N-8.03E, h6km, 2km, MLH1.0/16.5C,
Error ellipse: s-maj=4622.7km s-min=1019.8km
az=222.0, Switzerland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MMK Mattmark, SIMPL Simplonpass, SGRF Graeben Ausbl, etc.

UPP Z3 09:59:51.1, 2.7, 64.64N-30.83E, h0km, ML1.8
KOLA Z3 09:59:52.7, 64.78N-30.65E, h0km, ML2.4, Error ellipse:
s-maj=12.5km s-min=9.9km az=170.0, Kostomuksha,
Karelia

HEL Z3 09:59:52.5, 0.2, 64.80N-30.62E, h0km, ML2.0, Suspected
explosion
IDC Z3 09:59:53.2, 2.5, 64.75N-30.73E, h0km, mbtm3.0/3,
ML2.2/3, Error ellipse: s-maj=39.8km s-min=8.8km
az=102.0

ISC Z3 09:59:51.7, 1.0, 64.83N-30.02, 30.76E, 0.04, h0km, m58,
a143/84, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RMF Romuvaara, KU1 Kurvinen, KU6 Rieikki, etc.

2019 MAY

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OLKF Nilsia, RANF Kovda, OUL Oulu, etc.

STR Z3 10:01:14.0-0.3, 48.1N-2.2E, h0km, MLv1.5/6, Error
ellipse: s-maj=0.0km s-min=0.0km az=161.6,
preliminary, France

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VOGT Vogtsburg - To, KIZ Kirchzarten, WALT Westthalen, etc.

STR Z3 10:01:13.7-0.3, 48.1N-2.2E, h0km, MLv1.5/6, Error
ellipse: s-maj=0.0km s-min=0.0km az=146.2,
preliminary, France

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like XAFF Xaffevillers, ECH Echery, WLS Welschbruch, etc.

1306

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WLS Westthalen, HOHE HOHENGOEFT, WALT Westthalen, etc.

IDC Z3 10:01:41.2, 0.6, 6.83S-145.51E, h0km, mb4.3/16,
mbtmp4.3/18, MLO.4/1, MS4.0/6, Error ellipse:
s-maj=29.3km s-min=12.8km az=76.0
DJA Z3 10:01:47.6, 0.6, 7.5S-14.5E, h10km, M4.7/9, mb4.5/9,
mb5.6/2, MLv4.8/2, Mw(mb)5.1/2
NEIC Z3 10:01:48.2, 1.8, 7.03S:0.07, 145.0E:0.1, h34km, 5km,
mb4.7/36, Error ellipse: s-maj=14.9km s-min=10.2km
az=93.0

ISC Z3 10:01:45.1, 0.6, 7.01S:0.06, 144.89E:0.09, h10km, n78,
s181/54, mb4.6/35, MS4.0/3, 1C-1D, Near south coast of
New Guinea

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like QSPA South Pole Qui, SIMJ Simigan, KK31 Karatay Array, etc.

IDC 23 10:12:34.8-0.26;14N:129.51E, h0km, mb3.7/11, mbtmp3.7/13, ML3.4/2, MS4.0/1, Error ellipse: s-maj=31.7km s-min=15.7km az=68.0

JMA 23 10:12:37.0-0.1, 26.3N:0.7:129.6E:0.4, h45km, MV3.6/22, NEAR OKINAWAJIMA ISLAND

ISC 23 10:12:34.6-1.6, 26.26N:0.04:129.56E:0.03, h1km, n33, e200/49, mb3.6/12, Ryukyu Islands

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

JNU 0.5nm, 0.3s, baz=198, slow=20, SNR=1.3 3.0nm, 0.4s

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSRS Korea Array, USRK Ussuriysk Ar., SONM Songing Array, etc.

IDC 23 10:20:47.5-2.4, 33.10N:130.42E, h0km, mb3.4/1, mbtmp3.4/3, ML2.7/2, Error ellipse: s-maj=30.5km s-min=9.0km az=17.0

JMA 23 10:20:49.0-0.0, 33.1N:0.1:130.5E:0.1, h13km, MV3.7/20, NORTHERN ARIAKEKAI REG.

JMA Feil II at NORTHERN ARIAKEKAI REG. ISC 23 10:20:49.1-1.0, 33.07N:0.05:130.47E:0.05, h11km, n8km, n9, e082/14, 2D, Kyushu

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSRS, MJAR Matsushiro Arr., SONM Songing Array, etc.

SOME 23 10:26:29.6, 43.82N:69.78E NNC 23 10:26:31.4-3.2, 43.59N:69.63E, h0km, mb3.5, mpv2.8, Error ellipse: s-maj=17.1km s-min=11.9km az=122.0, Suspected Mining explosion.

KRNET 23 10:26:32.0-0.1, 43.73N:69.95E, mb2.8 ISC 23 10:26:28.1-3.4, 43.8N:0.1:69.8E:0.2, h0km, n7, e05/52/12, 8C-5D, Central Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KK31 Karatay Array, KKAR Karatay Array, MNAS Manas, etc.

SOME 23 10:33:41.4, 41.15N:82.77E, h10km NNC 23 10:33:43.5-3.1, 41.14N:82.58E, h0km, mb3.7, mpv3.2, Error ellipse: s-maj=37.8km s-min=20.4km az=112.0, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS Shalkode, UZB Uzynbulak, SATY Saty, etc.

NEIC 23 10:42:48.9-0.9, 51.11N:0.05:176.52W:0.04, h24km, n12km, ML2.6(AEIC), Error ellipse: s-maj=7.4km s-min=3.4km az=181.0

AEIC 23 10:42:51.6, 1.8, 51.07N:0.04:176.52W:0.03, h10km, n6km, Error ellipse: s-maj=6.1km s-min=2.7km az=192.0

IDC 23 10:42:57.2, 7.6, 51.11N:176.62W, h105km, n64km, mb3.2/8, mbtmp3.6/9, ML3.0/1, Error ellipse: s-maj=67.0km s-min=20.0km az=5.0

ISC 23 10:42:49.7-1.6, 51.13N:0.08:176.54W:0.04, h33km, n4km, n30, e065/28, mb3.9/7, Andraonof Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ADK Adak, KIWB Kanaga Island, GSKC Great Sitkin C, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HASU Hudiksvall, ARNU Arnoeviken, SOLU Sollefteaa, etc.

NAO 23 11:00:16.9-0.7, 66.42N:13.11E, h8km, n4km, ML3.2 HEL 23 11:00:17.4-0.1, 66.42N:13.23E, h8km, n1km, ML3.5, ML2.7(UPP), ML2.7(BER), Confirmed Earthquake

IDC 23 11:00:17.7-1.5, 66.44N:13.52E, h0km, mbtmp3.1/3, ML2.7/3, Error ellipse: s-maj=18.2km s-min=8.9km az=117.0

UPP 23 11:00:18.8-0.9, 66.37N:13.67E, h0km, ML2.7 DNK 23 11:00:18.3-0.6, 66.36N:13.63E, h0km, ML2.7(UPP), Suspected explosion

BER 23 11:00:18.3-0.4, 66.44N:13.15E, h0km, n8km, ML2.7, ML3.2(NAO), Confirmed Earthquake

ISC 23 11:00:15.7-1.1, 66.38N:0.02:13.44E:0.03, h2km, n9km, n171, e199/243, 8C-4D, Northern Norway

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STOK Stokkvaagen, KONS Konsvik, LEIR Leirfjorden, etc.

23d 11h

Table with columns: Station Name, Time, Frequency, Band, Mode, and other parameters. Includes stations like LANU, BURU, KILPISJARVI, UMEA, etc.

2019 MAY

Table with columns: Station Name, Time, Frequency, Band, Mode, and other parameters. Includes stations like HFS, HFS, HFS, HFS, etc.

1308

Table with columns: Station Name, Time, Frequency, Band, Mode, and other parameters. Includes stations like YSS, YSS, YSS, YSS, etc.

23d 12h

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like KSM, Kuching, Chichijima, Lembang, etc.

2019 MAY

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like EVN, Everest, CASY, CASY, etc.

1310

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like KKAR, Karatay Array, KKAR, Karatay Array, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like PPLA Purkeypile, SUA Susitna One, H20K Anotleneega Mo, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like G24K Hadweenciv Riv, RIDG Independent Riv, C23K Hiki River, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like N32M Quiet Lake, P33M Teslin, Yukon, FARO Faro, Yukon, etc.

IDC 23 13:05:36.4:0.8,50:93N:176:23W,h0km,mb3.8/21, mtimp3.9/24,ML3.8/3,MS3.4/8, Error ellipse: s-maj=23.9km s-min=13.3km az=172.0

NEIC 23 13:05:43.1:1.3,51:03N:160:07:176:48W:0.04,h35km,2km, mb3.9/41,ML4.0/6,ML3.3(A/EC), Error ellipse: s-maj=12.3km s-min=3.2km az=170.0

AEIC 23 13:05:43.0:1.3,51:06N:105:176:49W:0.07,h34km,8km, Error ellipse: s-maj=7.5km s-min=6.4km az=141.0

ISC 23 13:05:42.2:0.6,50:95N:108:176:44W:0.04,h35km,n102,r1951/88,mb4.0/30,MS3.3/7, Andreanof Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like ADK Adak, ADK Adak, ADK Adak, etc.

23d 13h

Table with columns: Code, Station Name, Az, El, Az', El', Time, Res, h, m, s, ISC. Includes stations like B20K Meade River, D22K Ayikay River, DOT Dot Lake, G24K Hadweenc Riv, etc.

ICD 23:13:07.12.8-1.2, 35.99N-3.74E, h0km, mb3.7/11, mbtmp3.6/16, MLC3.7/5, MS2.9/5, Error ellipse: s-maj=31.1km s-min=15.5km az=173.0

Table with columns: Code, Station Name, Az, El, Az', El', Time, Res, h, m, s, ISC. Includes stations like ADJB Djebel Djouab, AKET Djebel Ketaf, ATAF Djebel Tarf, etc.

2019 MAY

Main table with columns: EIBI, Ibiz, 3.39 327, Pn, Pn, 13 08 10.1 +1.2, etc. Includes stations like EIBI Ibiz, EIBI Ibiz, EIBI Ibiz, etc.

1312

Table with columns: MDT Midelt, EOORO Oroz-Betelu, MD31 Ste Croix, etc. Includes stations like MDT Midelt, EOORO Oroz-Betelu, MD31 Ste Croix, etc.

ICD 23:13:13.11.4-9.5, 28.09S-176.93W, h0km, mb3.9/3, mbtmp3.3/13.9, Error ellipse: s-maj=179.7km s-min=32.7km az=101.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Omahuta, Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr.

ADC 23 13:20:11.3:0.7:2:20S:138°67'E, h0km, mb3.9/10, mbtmp3.9/12, ML4.1/1, MS3.3/12, Error ellipse: s-maj=18.7km s-min=13.0km az=23.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for SMP1 Sarmi, GEMI Genyem, GENI GENI, NEM JEM.

ADC 23 13:20:14.6:1.1:2:20S:0:07:138°58'E:0:10, h25km, 9km, n50, c1570/42, mb3.9/11, MS3.3/9, Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for JAY Jayapura, SRPI Serui, BAKI Biak, RKPI Ransiki, KMPI Kaimana.

ADC 23 13:20:15.0:0.5:2:5:4:13°9'E, h18km, 5km, M4.6/8, mb4.7/4, ML4.5/9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for FAKI Fak Fak, PMG Port Moresby, COEN Coen, MTN Manton Dam, DAV Davao City.

ADC 23 13:20:16.2:1.6:2:1:5:0:2:138°54'E:0:10, h43km, 9km, mb4.1/10, Error ellipse: s-maj=22.6km s-min=13.9km az=191.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for KNRA Kunurra, WB0 Warramunga Arr, WRAB Tennant Creek.

ADC 23 13:20:17.1:1.1:2:20S:170°09'E, h0km, mb5.2/26, mbtmp5.1/28, ML5.2/22, MS5.2/25, Error ellipse: s-maj=12.6km s-min=8.6km az=86.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for WRA Warramunga Arr, KAPI Kappang, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi.

ADC 23 13:20:18.2:1.6:2:1:5:0:2:138°54'E:0:10, h43km, 9km, mb4.1/10, Error ellipse: s-maj=22.6km s-min=13.9km az=191.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs.

ADC 23 13:20:19.1:1.1:2:20S:170°09'E, h0km, mb5.5/29, mbtmp5.5/31, ML5.5/23, MS5.5/26, Error ellipse: s-maj=12.6km s-min=8.6km az=86.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for PSAA0 Pilbara Seisms, JCJ Chichijima, STKA Stephens Creek.

ADC 23 13:20:20.1:1.1:2:20S:170°09'E, h0km, mb5.5/29, mbtmp5.5/31, ML5.5/23, MS5.5/26, Error ellipse: s-maj=12.6km s-min=8.6km az=86.0

s-min=24.9km az=99.0, JMA 23 13:29:42.1:0.2:40:20N:0:7:14°4'E, h32km, MV3.4/31, FAR E OFF SANRIKU, ISC 23 13:29:39.9:0.9:40:20N:0:05:144°10'E:0:07, h16km, m34, c1583/38, mb3.6/7, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for JTH Tanohata, JKEN Kujedonaraisaw, MIYJ Miyakonagasawa, JEM Erimo.

ADC 23 13:29:37.8:1.5:40:20N:144°15'E, h0km, mb3.5/7, mbtmp3.5/12, ML3.1/5, Error ellipse: s-maj=30.6km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for JANG Nango, JAVG Nango, JOM Ohasama, JNKB Urakawa-nobuka.

ADC 23 13:29:38.1:1.5:40:20N:144°15'E, h0km, mb3.5/7, mbtmp3.5/12, ML3.1/5, Error ellipse: s-maj=30.6km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for JCH Churui, JCH Ichinoseki, JOT Ohata, JAK Akkeshi.

ADC 23 13:29:39.9:0.9:40:20N:144°15'E, h0km, mb3.5/7, mbtmp3.5/12, ML3.1/5, Error ellipse: s-maj=30.6km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for JAR Akashorobuto, JYK Kanyerama, JEW Eniwo, NEM2 Nemuro 2.

ADC 23 13:29:40.2:1.5:40:20N:144°15'E, h0km, mb3.5/7, mbtmp3.5/12, ML3.1/5, Error ellipse: s-maj=30.6km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for NEM2 Nemuro 2, JTKR Abashiri-Toko, ASAJ Asahikawa.

ADC 23 13:29:41.1:1.5:40:20N:144°15'E, h0km, mb3.5/7, mbtmp3.5/12, ML3.1/5, Error ellipse: s-maj=30.6km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for ASAJ Asahikawa, MJAR Matsuhiro Arr, MJAR Matsuhiro Arr.

ADC 23 13:29:42.1:0.2:40:20N:144°15'E, h0km, mb3.5/7, mbtmp3.5/12, ML3.1/5, Error ellipse: s-maj=30.6km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for USRK Ussuriysk Arr, KLR Kul'dur, KSRS Korea Array.

ADC 23 13:29:43.1:1.5:40:20N:144°15'E, h0km, mb3.5/7, mbtmp3.5/12, ML3.1/5, Error ellipse: s-maj=30.6km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Waiheke Island, PKGZ Pakihoro, PKGZ Pakihoro, GLKZ Green Lake.

ADC 23 15:02:18.2:1.6:2:1:5:0:2:138°54'E:0:10, h43km, 9km, mb4.1/10, Error ellipse: s-maj=22.6km s-min=13.9km az=191.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for RUGZ Raukumara Range, PUZ Puketiti, PUZ Puketiti, TWGZ Tauwhareparae.

ADC 23 15:02:19.1:1.1:2:20S:170°09'E, h0km, mb5.2/26, mbtmp5.1/28, ML5.2/22, MS5.2/25, Error ellipse: s-maj=12.6km s-min=8.6km az=86.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for MWZ Matawai, URZ Urewera, URZ Urewera, TKGZ Te Karaka.

ADC 23 15:02:20.1:1.1:2:20S:170°09'E, h0km, mb5.2/26, mbtmp5.1/28, ML5.2/22, MS5.2/25, Error ellipse: s-maj=12.6km s-min=8.6km az=86.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for MUGZ Murupara, MUGZ Murupara, RIGZ Rimuhau, RIGZ Rimuhau.

ADC 23 15:02:21.1:1.1:2:20S:170°09'E, h0km, mb5.2/26, mbtmp5.1/28, ML5.2/22, MS5.2/25, Error ellipse: s-maj=12.6km s-min=8.6km az=86.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for PRGZ Paritu Road, MHGZ Mahia Peninsula, MHGZ Mahia Peninsula, NGZ Ngauruhoe.

ADC 23 15:02:22.1:1.1:2:20S:170°09'E, h0km, mb5.2/26, mbtmp5.1/28, ML5.2/22, MS5.2/25, Error ellipse: s-maj=12.6km s-min=8.6km az=86.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for KRHZ Kereru, PKXZ Pawanui, PKXZ Pawanui, PNHZ Pukenui.

ADC 23 15:02:23.1:1.1:2:20S:170°09'E, h0km, mb5.2/26, mbtmp5.1/28, ML5.2/22, MS5.2/25, Error ellipse: s-maj=12.6km s-min=8.6km az=86.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for PNHZ Pukenui, WPHZ Waipukurau, TSZ Taipakuri Road, TSZ Taipakuri Road.

ADC 23 15:02:24.1:1.1:2:20S:170°09'E, h0km, mb5.2/26, mbtmp5.1/28, ML5.2/22, MS5.2/25, Error ellipse: s-maj=12.6km s-min=8.6km az=86.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for WAZ Wanganui, ANWZ Angora Range, ANWZ Angora Range, ANWZ Post Office Road.

ADC 23 15:02:25.1:1.1:2:20S:170°09'E, h0km, mb5.2/26, mbtmp5.1/28, ML5.2/22, MS5.2/25, Error ellipse: s-maj=12.6km s-min=8.6km az=86.0

ADC 23 15:02:14.2:0.4:21°62'S:170°09'E, h0km, mb5.2/26, mbtmp5.1/28, ML5.2/22, MS5.2/25, Error ellipse: s-maj=12.6km s-min=8.6km az=86.0

ADC 23 15:02:15.5:1.1:21°61'S:169°18'E, h10km, mb5.7/49, MS5.4/36, Error ellipse: s-maj=9.3km s-min=7.2km az=124.6

ADC 23 15:02:16.0:21°03'S:170°20'E, h7km, mb5.5/70, mb5.3/87, MS5.3/94, MS7.5/194

ADC 23 15:02:18.6:21°67'S:169°64'E, h24km, ISC-PP 23 15:02:18.1:21°65'S:169°79'E, h16km, Mwppssms, 9 Moment Tensor Solution. s27 Moment tensor: Scale 1017Nm;

ADC 23 15:02:18.6:21°65'S:169°79'E, h19km, mb5.5/294, Ms5.4/492, Mw5.6/49, Mw5.7/40, Error ellipse: s-maj=12.5km s-min=9.5km az=157.0, Moment Tensor Solution. Moment tensor: Scale 1017Nm;

ADC 23 15:02:18.6:21°66'S:169°64'E, h10km, NEIC 23 15:02:18.6:21°66'S:169°64'E, h10km, Moment Tensor Solution. Duration: 364 Moment tensor: Scale 1017Nm;

ADC 23 15:02:18.6:21°66'S:169°64'E, h24km, NEIC 23 15:02:18.6:21°67'S:169°64'E, h24km, Moment Tensor Solution. Duration: 364 Moment tensor: Scale 1017Nm;

ADC 23 15:02:19.1:21°85'S:170°35'E, h25km, Ms5.5, BGR s-maj=14.8km s-min=12.7km az=80.0, NOU 23 15:02:19.1:21°85'S:169°67'E, h35km, ML5.4/135, Southeast of Loyalty Islands

ADC 23 15:02:23.6:0.1:21°68'S:0:01:169°67'E:0:01, h35km, MW5.8/161, Moment Tensor Solution. s150,c301; s161,c329; Duration: 158 Moment tensor: Scale 1017 Nm;

ADC 23 15:02:23.6:0.1:21°68'S:0:01:169°67'E:0:01, h35km, MW5.8/161, Moment Tensor Solution. s150,c301; s161,c329; Duration: 158 Moment tensor: Scale 1017 Nm;

ADC 23 15:02:18.4:0.3:21°66'S:0:03:169°96'E:0:02, h12km, gkm, h22km; PP-P.n1476, c1545/1281, mb5.5/296, MS5.4/354, 77C-51D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for INH Isangel, INH Isangel, PINNC Pines Island.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for PINNC Pines Island, PINNC Pines Island, PINNC Pines Island, PINNC Pines Island.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for PINNC Pines Island, PINNC Pines Island, PINNC Pines Island, PINNC Pines Island.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for PINNC Pines Island, PINNC Pines Island, PINNC Pines Island, PINNC Pines Island.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for PINNC Pines Island, PINNC Pines Island, PINNC Pines Island, PINNC Pines Island.

23d 15h

Table with columns: Station Name, Frequency, Power, Direction, Time, and other details. Includes stations like TAVE, LKBA, LUES, RAO, FUTU, LHI, OUZ, etc.

2019 MAY

Table with columns: Station Name, Frequency, Power, Direction, Time, and other details. Includes stations like RPZ, MQZ, CTAO, etc.

1314

Table with columns: Station Name, Frequency, Power, Direction, Time, and other details. Includes stations like WRAB, WRA, WRA, etc.

23d 15h

Table with columns for station name, frequency, power, and coordinates. Includes stations like HongShan, Baijiatuu, Beijing, False Pass, etc.

2019 MAY

Table with columns for station name, frequency, power, and coordinates. Includes stations like HHC, HNS, HNS, HNS, etc.

1316

Table with columns for station name, frequency, power, and coordinates. Includes stations like Q19K, K13K, K13K, Q20K, etc.

1317 2019 MAY 23d 15h

Table with columns for station ID, name, elevation, frequency, mode, and coordinates. Includes stations like SUA Susitna One, G15K Niukluk, H16K Elm, F14K Arctic Creek, etc.

Table with columns for station ID, name, elevation, frequency, mode, and coordinates. Includes stations like NVAR Mina Array Bea, NVAR comp=Z,0.2nm,0.3s, etc.

Table with columns for station ID, name, elevation, frequency, mode, and coordinates. Includes stations like O28M Mount Upton, E18K Tukphalearik C, E18K comp=Z,46nm,1.8s, etc.

23d 15h

Table with columns for station ID, name, elevation, date, time, and other parameters. Includes stations like SKAG Skagway, BVCV Beaver Creek, YUK4 Talbot Arm, etc.

2019 MAY

Table with columns for station ID, name, elevation, date, time, and other parameters. Includes stations like I26K Coal Creek Min, I26K Coal Creek Min, P33M Teslin, Yukon, etc.

1318

Table with columns for station ID, name, elevation, date, time, and other parameters. Includes stations like B22K Teshekpuk Lake, B22K Teshekpuk Lake, WTLY Watsla Lake, etc.

23d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MAUC Maruska, RZN Rothen, VALD Valchedram, etc.

2019 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like KESW Keswick, MANZ Manzenberg, KHC Kasperse Hory, etc.

1320

Table with columns for station name, frequency, power, and other technical details. Includes stations like BFO Davos, BFO Black Forest, FETA Feichten, etc.

23d 15h

Table listing various stations (O18K, O19K, KAHC, KAHK, CAPN, etc.) with columns for station name, coordinates, and numerical data. Includes sub-sections like 'SPBG Spurr Blockage' and 'M20K Styx River'.

2019 MAY

Table listing stations (EYAK, K17K, K17K, etc.) with columns for station name, coordinates, and numerical data. Includes sub-sections like 'M24K Tolsona, Glenn' and 'M14K Bethel'.

132Z

Table listing stations (PRP, O29M, I26K, G23K, etc.) with columns for station name, coordinates, and numerical data. Includes sub-sections like 'YKA Yellowknife Ar.' and 'ZALV Zalesovo Beam'.

Table listing stations (BVAR, BORB, KURBB, etc.) with columns for station name, coordinates, and numerical data. Includes sub-sections like 'EKA Eskdalemuir Ar.' and 'MKAR Makanchi Array'.

Table listing stations (LVZ, APA, APA, etc.) with columns for station name, coordinates, and numerical data. Includes sub-sections like 'ARCES ARCES Array S' and 'ARCES ARCES Array B'.

Table listing stations (IDC, NEIC, GGMT, etc.) with columns for station name, coordinates, and numerical data. Includes sub-sections like 'IDC 23 15:56:38.70.5.247S.12:33W' and 'ASCENSION ISLAND'.

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like DAVA, CIMO, ECH, FETA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like RAKU, RAKU, AC02, etc.

Table of meteorological data for 23d 17h, listing stations like V58A, TRQ, M57A, SCO, P57A, T57A, SSFA, JTS, L56A, BIRD, Q56A, MMNY, JSC, WYNY, DELO, KMSC, SYO, HODGE, SMAI, SADO, BG3, V53A, BUKO, O52A, BELA, Q52A, ARCES, Y52A, W52A, S51A, Q51A, X51A, M50A, R50A, W50A, T50A, KIRV, FPAL, 250A, SWET, R49A, LRAL, CLTN, V48A, AB31, ABKAR, MAW, MAW, FVM, T42A, CCM, MGMO, X40A, CMIG, R40A, S39A, P38A, K3AR, BVAR, QSPA, QSPA, ECSD, ARSB, DRIO, KSH, KURBB, TXAR.

Table of meteorological data for 2019 MAY, listing stations like PALK, VHRN, MKAR, ANMO, WMQ, USRK, ASAR, WRA, FAKI, IDC 23 16:13:41, JMA 23 16:13:43, ISC 23 16:13:42, Honshu, ASAJ, USRK, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, MKAR, WRA, NEIC 23 16:15:03, IDC 23 16:15:06, ISC 23 16:15:03, H10N2, H10N1, H10N3, ASCN, DBIC, TORO, ESCD, LBTB, MBAR, BOSA, BOAV, CPUP, SAMI, TUE, CTI, FNA, PRED, ALN, GERES, BAUV, SJG, MLR, BRTR.

Table of meteorological data for 1324, listing stations like BRTR, PB06, BURR, AKASG, AKBB, COHC, V55A, SMAI, BG3, BELA, QSPA, ASAR, WRA, IDC 23 16:25:44, WRA, ASAR, FITZ, NWAO, LEM, SONM, MKAR, IDC 23 16:58:26, JCJ, JCJ, JHJ, MJAR, ASAJ, USRK, KLR, MKAR, WRA, ASAR, BVAR, BRTR, NEIC 23 17:02:24, T25A, SDCO, RTBA, IDC 23 17:09:56, DJA, NEIC 23 17:10:10, ISC 23 17:10:05, Code Station Name, Phase ID, Time Res.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SWI Sorong, NLAJ Namlea, TOL2J Tolitoli, etc.

SJA 23 17:18:49.9-0.6, 23:91Sx66:76W, h228km, 5km, ML3.5, MW3.4
GUC 23 17:18:52.1-0.5, 23:94Sx67:09W, h244km, 5km, ML3.9
ISC 23 17:18:49.4-1.8, 23:93Sx0:04-66:83W, 0.05, h238km, 14km, n31, i189/49, 3C, Juijuy Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SALTA, SLA, AF01, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB14, PB10, AC02, etc.

IDC 23 17:29:41.9-4.7, 47:51N-92:76W, h0km, mbtmp2.4/1, ML0.8/1, Error ellipse: s-maj=71.0km s-min=28.9km az=54.0, Minnesota

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

IDC 23 17:34:22.1-3.2, 19:45Sx174:30W, h0km, mb3.6/2, mbtmp3.6/2, Error ellipse: s-maj=152.0, Tonga Islands

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

IDC 23 18:17:45.2-0.6, 56:20Sx144:02W, h0km, mb4.4/9, mbtmp4.4/9, MS3.9/22, Error ellipse: s-maj=27.3km

NEIC 23 18:17:46.9-1.6, 56:08Sx0:10-143:9W, 0.2, h10km, 2km, mb4.9/24, Error ellipse: s-maj=27.8km s-min=5.7km az=304.0

GCMT 23 18:17:48.9-0.2, 56:29Sx0:01-143:30W, h181km, 1km, MW5.0/93, Moment Tensor Solution. s37,c48; s93,c132; Duration: 0 Moment tensor: Scale 1016Nm; Mr-0.89r:15; Mw3.41t:16; Mbb-2.52t:13; Mmo-0.52t:32; M2b-2.43t:13; M2o-0.65t:32; Best double couple: M3.95400x1016 Np1.3x206.00000x, 676.00000x, -171.00000x; NP2: 1.4.2930, P1g7.00000, Azm1.00000, N-0.6610, Plg74.00000, Azm21.00000, P-3.6160, Plg15.00000, Azm3.00000, Azm330.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 23 18:17:46.5-0.7, 56:15Sx0:11-143:9W, 0.1, h10km, n71, c1516/48, mb4.9/22, MS4.0/22, 4C-1D, Pacific-Antarctic Ridge

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

IDC 23 18:52:45.0-1.0, 18:44N-106:46W, h0km, mb3.8/9, mbtmp3.9/12, ML3.7/3, MS4.3/51, Error ellipse: s-maj=34.5km s-min=16.1km az=72.0

NEIC 23 18:52:45.8-2.7, 18:4N-0:1x106:5W, 0.1, h10km, 2km, mb4.5/147, Md4.6/22(MEX), Error ellipse: s-maj=20.7km s-min=13.3km az=226.0

MEX 23 18:52:46.5-1.7, 18:31N-106:43W, h10km, MD4.6, GCMT 23 18:52:47.8-0.2, 18:82N-0:01-106:45W, 0.01, h191km, MW5.1/1, Moment Tensor Solution. s46,c59; nsta1 c165; Duration: 0 Moment tensor: Scale 1016Nm; Mr-0.73t:12; Mbb-1.97t:11; Mmo-2.71t:12; M2o-0.76t:22; M2b-4.14t:10; M2c-4.42t:22; Best double couple: M4.82900x1016 Np1.3x206.00000x, 676.00000x, -171.00000x; NP2: 1.4.2930, P1g7.00000, Azm1.00000, N-0.6610, Plg74.00000, Azm21.00000, P-3.6160, Plg15.00000, Azm3.00000, Azm330.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 23 18:52:49.1-3.8, 18:51N-108:106:32W, 0.07, h2kht, 28km, n190, c1946/93, mb4.5/64, MS4.3/50, Off coast of Jalisco

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VNA1, TROLL, B102, etc.

SYO Syowa Base 55.16 182E P P 18 27 17.8 -0.6

STKA Stephens Creek 55.77 263 P P 18 27 24.8 +1.4

ZON Zonda 56.40 98 P P 18 27 28.3 +0.4

AC02 Maricunga 59.76 94 P P 18 27 53.0 +0.9

HNR Honiara 63.74 294 LR LR 18 50 34.6

PB16 IPOC Station P 66.27 88 P P 18 28 36.7 +1.2

ASAR Alice Springs 66.41 262 P P 18 28 35.5 -0.2

ASAR Alice Springs 66.41 262 P P 18 28 35.5 +0.1

CPUP Villa Florida 66.69 103 P P 18 28 37.0 -0.2

CPUP Villa Florida 66.69 103 P P 18 28 37.0 -0.4

CPUP Warramunga Arr 69.13 265 P P 18 28 52.8 -0.1

PMG Port Moresby 70.55 282 LR LR 18 56 13.4

FITZ Fitzroy Crossi 75.44 259 LR LR 18 59 47.8

SAML Samuel 77.44 87 P P 18 29 40.3 -1.6

KAPI Kappang 89.43 262 LR LR 19 08 46.1

SUR Sutherland 95.11 167 LR LR 19 07 18.2

BOSA Boshof 98.19 170 LR LR 19 11 53.3

DAV Davao City (W) 96.12 274 LR LR 19 12 42.7

LBTB Lobatos 98.70 170 LR LR 19 11 30.9

ILAR Eielson Array 120.58 359 PKP PKI 18 36 39.4 +2.5

ESDC Sotomayor Array 149.04 105 PKPbc PKPki 18 37 34.9 -0.4

MKAR Makanchi Array 150.28 271 PKPbc PKPbc 18 37 35.9 -1.0

ZALV Zalesovo Array 152.46 286 P P 18 37 39.7 -1.9

ZALV Zalesovo Array 152.46 286 P P 18 37 51.1 -0.9

KURBB Kurchatov Arra 154.43 276 PKPbc PKPbc 18 37 44.9 -1.1

BVAR Borovoye Array 160.02 276 PKPbc PKPbc 18 38 22.9 -1.6

GERES GERES Array B 164.57 109 PKPbc PKPbc 18 38 43.8 -1.0

Code Station Name Az Az' Phase ID Time Res

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

23d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PLIG Platanillo, DAIG Los Arroyos, TXAR Lajitas Ar, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FWXY Fox Creek, MOOV Moose Ponds, CPCT Cooper Cave, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, IDC 23 19:09:39.6, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H11S3 WAKE ISLAND Hy 30.68 153 T, H11S2 WAKE ISLAND Hy 60.92 153 T, NOA NORSAR Array B 37.69 341 P, HFS Hagfors 68.14 339 P, WRA Warramunga Arr 68.52 198 P, ASAR Alice Springs 72.22 198 P, EKA Eskdalemuir Ar 76.06 344 P, TXAR Lajitas Array 77.82 60 P.

GCG 23 20:26:40.9, 0.6, 14.16N:91.35W, h62km, 16km, MD3.5, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STG8 El Palmar, Qui 0.29 0 i P, STG8 Sabana Grande 0.55 66 i P, SOKI Kika Raquinin 0.66 356 i P, FG8 Yecopaca, Chim 0.77 82 i P, FG16 Aletango, Sa 0.82 82 i P, NUBE Las Nubes 1.55 99 i P.

NOU 23 20:26:54.0, 22.19S:170.59E, h0km, mb4.7/9, Southeast of Loyalty Islands

NOU 23 20:27:02.5, 1.2, 21.63S:169.79E, h0km, mb3.7/5, mbmp3.7/6, ML3.3/1, MS3.3/2, Error ellipse: s-maj=38.2km s-min=30.8km az=151.0

ISC 23 20:27:07.4, 1.1, 21.7S:0.1x169.8E:0.1, h35km, n19, o597/18, mb3.9/5, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like INH Isangel 2.20 348 Op, YATNC Mamie plateau, 2.69 262 P, OUCNE Ouen Island, N 2.80 255 P, DZM Mont Dzumac 3.10 263 P, DZM 6.4n, 0.3s, baz=72, slow=19, SNR=4.0, DZM Mont Dzumac 3.10 263 P, ONTNC Ouen Toro 3.13 258 P, DVP Devils Point 4.24 339 P, KOUNC Koumac, New Ca 5.24 282 P, VLAKA Lakatoro 6.00 338 P, URZ Urewera 17.66 161 LR, ASAR Alice Springs 33.11 267 P, MJAR Matsushiro Arr 65.16 332 P, QSPA South Pole Qui 68.35 180 P, CMAR Chiang Mai Arr 79.97 294 P, MA2 Magadan 82.48 350 LR, ARCES ARCES Array B 127.57 345 PKP, EKA Eskdalemuir Ar 146.01 353 PKPbc, GERES GERES Array B 146.88 331 PKPbc.

ISC 23 20:34:32.2, 1.6, 19.18S:177.66W, h587km, 17km, mb2.9/8, mbmp3.9/9, Error ellipse: s-maj=21.1km s-min=14.2km az=159.0

ISC 23 20:34:32.7, 0.7, 19.2S:0.1x177.7W:0.1, h600km, n29, o598/30, mb3.7/10, 3C, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu 4.33 289 P, URZ Urewera 19.52 192 P, STKA Stephens Creek 38.65 243 P, WRA Warramunga Arr 45.11 261 P, WRA 0.4n, 0.4s, baz=98, slow=7.1, SNR=2.1, WRA 0.7n, 0.7s, baz=99, slow=3.6, SNR=6.5, ASAR Alice Springs 45.14 255 P, ASAR 2.1n, 0.8s, baz=83, slow=8.8, SNR=2.2, ASAR 1.0n, 0.7s, baz=111, slow=3.7, SNR=6.4, Vnda 59.21 185 P, QSPA South Pole Qui 70.85 180 P, TXAR Lajitas Array 86.09 57 P, ILAR Eielson Array 86.99 13 P, TROLL Troll, Antarti 89.01 180 P, SNAA Sanae 89.28 178 P, VNA3 Neumayer-Watz 89.40 176 P, VNA2 Neumayer-Watz 89.84 177 P, MKAR Borovey Array 118.30 320 PKP, MKAR Makanchi Array 140.55 314 PKIKP, INH Isangel 2.55 358 P, ONTNC Ouen Toro 2.71 265 P, DZM Mont Dzumac 2.72 270 P, DZM 4.0n, 0.3s, baz=114, slow=12, SNR=108, HFS Hagfors 138.32 351 PKIKP, AKASG Malin Array Be 142.04 332 PKIKP, EKA Eskdalemuir Ar 143.70 5 PKP, BRTR Keskin Array B 146.20 314 PKPbc, MMAI Mount Meron Ar 147.44 302 PKPbc, GERES GERES Array B 149.05 345 PKPbc, LESA Schwarzeckal 150.62 346 ePKP, WATA Walderalm 150.95 347 ePKP, WTTA Wattenberg 151.01 347 ePKP, MOTA Moosalm 151.04 348 ePKP, SQTA Sankt Quirin 151.14 347 ePKP.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ABTA Abfattersberg 151.30 345 ePKP, FETA Feichten 151.43 348 ePKP, DJA 23 20:44:52.2, 0.4, 3.5S:3.13'9'E:1, h10km, M3.9/6, mb4.2/1, ML3.6/6, Irian Jaya, WAMI Wamena 0.91 222 Op, WAMI 0.91 222 P, GENI Genyem 1.04 54 P, SMPI Sarmi 1.36 333 P, JAY Jayapura 1.35 394 P, SRPI Sri Jay, Papua 1.55 293 P, BAKI Biak 3.79 302 P, RKPI Ranisiki, Papua 5.41 288 P.

ISC 23 20:53:38.2, 7.8, 18.60N:146.55E, h50km, 73km, mb3.6/12, mbmp3.8/13, ML2.7/1, MS2.8/1, Error ellipse: s-maj=28.9km s-min=19.9km az=88.0

NEIC 23 20:53:41.3, 1.5, 19.18N:0.10x146.4E:0.2, h35km, 2km, mb4.6/16, Error ellipse: s-maj=36.7km s-min=15.6km az=100.0

ISC 23 20:53:44.1, 0.7, 18.98N:0.10x146.4E:0.2, h83km, n40, o121/31, mb4.2/21, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUMO Guam 5.56 196 Op, JGFR Kuroka 18.40 336 P, MJAR Matsushiro Arr 18.93 339 P, H11S3 WAKE ISLAND Hy 19.20 88 T, H11S1 WAKE ISLAND Hy 19.21 88 T, H11S2 WAKE ISLAND Hy 19.21 88 T, H11S4 WAKE ISLAND Hy 19.33 84 T, H11N2 WAKE ISLAND Hy 19.33 84 T, H11N3 WAKE ISLAND Hy 19.34 84 T, KSRS Korea Array 24.51 322 P, ASAJ Asahikawa 25.27 354 LR, WBO Warramunga Arr 40.27 198 P, WBR Warramunga Arr 40.42 197 P, WRS Warramunga Arr 40.45 198 P, WRA Warramunga Arr 40.45 198 P, FITZ Fitzroy Crossi 42.12 210 P, ASAR Alice Springs 44.11 197 P, CMAR Chiang Mai Arr 44.87 277 P, O15K Ungalikthiuk R 55.58 30 P, N15K Kwethluk River 55.84 29 P, ZALV Zalesovo Beam 58.22 322 P, H18K Honhosa River 58.59 24 P, MKAR Makanchi Array 58.77 314 P, MKAR Makanchi Array 58.77 314 P, G18K Tagagawiv 58.80 23 P, G18K 5.1n, 0.3s, baz=109, slow=8.3, SNR=5.4, MAK2 Makanchi 58.98 314 P, H19K Roundabout Mou 59.48 24 P, CNPM China Pote 59.87 31 P, C19K Lookout Ridge 59.91 20 P, D20K Kuchov Arr 60.70 21 P, H21K Melozitina Riv 60.94 24 P, B20K Meade River 61.08 19 P, KURBS Kuchov Arr 61.58 318 P, RND Reindeer 61.93 27 P, ILAR Eielson Array 63.09 26 P, BVAR Borovey Array 66.70 320 P, YKA Yellowknife Ar 77.22 28 P, NVAR Mina Array Bea 82.43 52 P, ARCES ARCES Array B 82.44 342 P, FINES FINESS Array B 86.92 335 P, SNAA Sanae 124.33 191 PKP, DJA 23 21:04:33.4, 2.1, 22.11S:169.48E, h0km, mb3.8/4, s-min=29.6km az=27.0, NOU 23 21:04:33.4, 2.2, 17.1S:169.55E, h0km, mb4.0/8, Southeast of Loyalty Islands, ISC 23 21:04:37.5, 1.0, 22.21S:0.1x169.37E:0.1, h25km, n16, o591/17, mb4.3/3, 3C, Southeast of Loyalty Islands, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PINNC Pines Island, 1.85 254 Op, YATNC Mamie plateau, 2.30 271 P, OUCNE Ouen Island, N 2.37 262 P, INH Isangel 2.55 358 P, ONTNC Ouen Toro 2.71 265 P, DZM Mont Dzumac 2.72 270 P, DZM 18n, 0.3s, baz=325, slow=22, SNR=6.0, DZM Mont Dzac 2.72 270 P, KOUNC Koumac, New Ca 4.95 287 P, ASAR Alice Springs 32.66 260 P, WRA Warramunga Arr 32.73 267 P, QSPA South Pole Qui 67.96 180 P, TROLL Troll, Antarti 85.70 184 P, SNAA Sanae 86.32 182 P, VNA3 Neumayer Olymp 86.90 180 P, VNA2 Neumayer-Watz 87.19 181 P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GERES GERES Array B 147.05 330 PKPbc, AEIC 23 21:31:16.7, 1.7, 51.22N:0.09x178.2W:0.08, h26km, 8km, Error ellipse: s-maj=13.0km s-min=7.1km az=190.0, NEIC 23 21:31:17.8, 2.0, 51.27N:0.08x178.2W:0.09, h39km, 17km, mb3.8/4, ML3.2(AEIC), Error ellipse: s-maj=11.7km s-min=7.6km az=189.0, IDC 23 21:31:22.7, 10.0, 51.35N:178.48W, h92km, 90km, mb3.2/6, mbmp3.5/6, Error ellipse: s-maj=67.0km s-min=22.9km az=179.0, ISC 23 21:31:17.2, 6.2, 51.2N:0.2x178.33W:0.06, h45km, 18km, n71, o1907/70, mb3.7/20, Andean of Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GALAA Gareloi Lava P 0.60 333 P, TASE Tanaga Southea 0.63 137 P, GASW Gareloi Southw 0.64 329 P, GANO Gareloi North 0.66 334 P, TAFP Tanaga Falls P 0.70 18 P, KIWB Kanaga Island 0.96 49 P, KIWB Kanaga Island 0.96 49 P, KIWB Kanaga Island 0.96 49 P, KICM Kanaga Island 1.02 49 P, ADK Adak 1.22 57 P, ADAG Mount Adagadk 1.31 55 P, GSTD Great Sitkin T 1.56 59 P, GSTD Great Sitkin T 1.59 58 P, GSTR Great Sitkin T 1.66 58 P, ATKA Atka Island 2.75 68 P, CAST Castle Rocks 18.53 39 P, PWL Port Wells 19.16 48 P, TRF Thorofore Moun 19.26 40 P, BPAW Bear Paw Mtn. 19.28 38 P, E19K Redstone River 19.32 25 P, C19K Utokok River 19.32 25 P, G21K Allakaket 19.76 30 P, RND Reindeer 19.82 41 P, D19K Kuna River 19.88 22 P, F21K Minto, Yukon-K 20.21 28 P, I23K I23K 20.41 36 P, D20K Etivluk River 20.41 23 P, H23K Yukon River 20.68 34 P, E21K Killik River 20.89 25 P, PAX Paxson 21.09 44 P, ILAR Eielson Array 21.18 38 P, B20K Noodor Dome 21.28 20 P, H24K H24K 21.28 35 P, D22K Ayikyak River 21.54 25 P, B21K Ikpikpu River 21.57 23 P, J25K Salcha River 21.71 39 P, G24K Hadweencic Riv 21.85 33 P, DOT Dot Lake 21.91 42 P, SCRK Sand Creek 22.05 42 P, D23K Nanushuk River 22.16 26 P, E24K You Creek 22.25 30 P, TOLK Toolik Lake Re 22.28 28 P, B22K Teshekpuk Lake 22.37 22 P, J26L Joseph Creek 22.40 40 P, C23K Itkillik River 22.72 25 P, D24K Happy Valley 22.79 27 P, I26K Coal Creek Min 22.84 39 P, K27K Chicken 22.86 42 P, F25K Christian Riv 22.92 32 P, C24K Franklin Bluff 23.15 26 P, G26K Mount Mountain 23.20 33 P, G26K Porcupine Riv 23.26 34 P, D25K Kavik River 23.59 28 P, M29M Somme Creek 24.10 47 P, I28M Miner Creek 24.16 39 P, L29M L29M 24.36 45 P, H29M Whitestone 25.01 38 P, I30M Mount Dempster 25.55 41 P, KLR Kul'dur 31.50 286 P, H11N2 WAKE ISLAND Hy 33.52 206 T, H11N3 WAKE ISLAND Hy 33.53 206 T, H11N1 WAKE ISLAND Hy 33.54 206 T, H11S1 WAKE ISLAND Hy 34.74 205 T, H11S2 WAKE ISLAND Hy 34.76 205 T, H11S3 WAKE ISLAND Hy 34.76 205 T, YKA Yellowknife Ar 35.12 46 P, PDAR Pinedale Array 46.07 72 P, ARCES ARCES Array B 58.28 350 P, MKAR Makanchi Array 60.35 309 P, BVAR Borovey Array 61.19 320 P, BOSA Boshcho 151.29 313 PKPbc, IDC 23 21:46:16.6, 8.0, 37.47N:71.58E, h129km, 51km, mb3.4/5, mbmp4.0/11, MS2.9/1, Error ellipse: s-maj=70.0km s-min=33.1km az=176.0, NNC 23 21:46:17.3, 1.9, 37.64N:71.35E, h196km, 25km, mb3.2, mp4.4, Error ellipse: s-maj=17.6km s-min=11.6km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Includes stations like Almayashu, Karatay Array, Ala-Archa, etc.

SCB 23 21:48:22.41.2, 21.148S:66.80W, h221km, 11km, ML3.2/2, Error ellipse: s-maj=5.9km s-min=3.3km az=0.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Includes stations like YJA, PB09, PB01, etc.

GCG 23 22:33:36.9.0.3, 14.31N:91.30W, h69km, 8km, MD4.0, Guatemala

IDC 23 22:53:29.6.1.4, 9.42S:125.17E, h0km, mb3.6/3, mbmp3.6/6, ML4.1/3, Error ellipse: s-maj=99.1km

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

Table with columns: ZALV, KURBS, Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Includes stations like Zalesovo Beam, Kurchatov Arra, etc.

IDC 23 23:14:43.311.0.0, 57.97N:56.51E, h0km, Error ellipse: s-maj=128.8km s-min=121.2km az=77.0, Ural

NEIC 23 23:16:20.4.1.4, 37.26N:102.115.02W:0.04, h5km, 1km, Error ellipse: s-maj=6.4km s-min=3.0km az=125.0

REN 23 23:16:22.0.1.4, 37.29N:102.115.13W:0.03, h3km, 4km, ML2.5/18, ML2.4/66(N), Error ellipse: s-maj=4.3km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Includes stations like PRN, S11A, SHPR, etc.

SPR3 23 21:48:22.6.1.1, 21.46S:66.78W, h207km, n16, n158/18, Southern Bolivia

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

IDC 23 23:40:05.0.9.3, 7.34S:146.18E, h211km, 88km, mb3.4/7, mbmp3.9/8, MS2/7/1, Error ellipse: s-maj=51.2km

IDC 23 23:40:04.0.1.4, 7.45S:146.0E:0.1, h200km, n10, n197/10, mb3.6/6, Eastern New Guinea region

IDC 23 23:42:00.6.1.9, 6.86S:129.09E, h0km, mb3.7/2, mbtmp3.6/5, ML3.3/3, Error ellipse: s-maj=62.3km

IDC 23 23:24:29.9.1.0, 5.29S:131.18E, h0km, mb4.1/8, mbtmp4.1/11, ML4.0/3, MS2.8/3, Error ellipse: s-maj=66.2km

IDC 23 23:24:37.3.2.3, 5.33S:131.20E:0.1, h5km, 14km, mb4.4/6, Error ellipse: s-maj=16.4km s-min=7.0km

IDC 23 23:24:36.7.0.5, 5.36S:131.27E:0.05, h50km, n51, n186/52, mb4.0/11, Banda Sea

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

Table with columns: SRPI, BAKI, DRS, KDU, MTN, etc. Includes stations like Serui, Papua, Darwin Rock St, etc.

IDC 23 23:54:40.1.0.8, 16.22N:98.39W, h4km, 6km, MD3.4, Near coast of Guerrero

IDC 23 23:42:00.6.1.9, 6.86S:129.09E, h0km, mb3.7/2, mbtmp3.6/5, ML3.3/3, Error ellipse: s-maj=62.3km

IDC 23 23:40:05.0.9.3, 7.34S:146.18E, h211km, 88km, mb3.4/7, mbmp3.9/8, MS2/7/1, Error ellipse: s-maj=51.2km

IDC 23 23:40:04.0.1.4, 7.45S:146.0E:0.1, h200km, n10, n197/10, mb3.6/6, Eastern New Guinea region

IDC 23 23:42:00.6.1.9, 6.86S:129.09E, h0km, mb3.7/2, mbtmp3.6/5, ML3.3/3, Error ellipse: s-maj=62.3km

IDC 23 23:24:29.9.1.0, 5.29S:131.18E, h0km, mb4.1/8, mbtmp4.1/11, ML4.0/3, MS2.8/3, Error ellipse: s-maj=66.2km

IDC 23 23:24:37.3.2.3, 5.33S:131.20E:0.1, h5km, 14km, mb4.4/6, Error ellipse: s-maj=16.4km s-min=7.0km

IDC 23 23:24:36.7.0.5, 5.36S:131.27E:0.05, h50km, n51, n186/52, mb4.0/11, Banda Sea

MEX 23 23:54:40.1.0.8, 16.22N:98.39W, h4km, 6km, MD3.4, Near coast of Guerrero

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

Table with columns: TLUG, TLIG, FTIG, FTITG, Station Name, Azimuth, Elevation, Frequency, and other parameters.

HVO 24 00:03:18.7:1.9, 19.94N:0.01:155.63W:0.01, h-1km, gkm, ML2.5/11, ML2.4/38(NC), Error ellipse: s-maj=1.8km s-min=1.4km az=199.0

NEIC 24 00:03:18.8:1.7, 19.94N:0.01:155.626W:0.010, h5km, 2km, Error ellipse: s-maj=3.0km s-min=2.0km az=345.0, Hawaiian Islands

Main table for station data, columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, and other parameters.

IDC 24 00:07:47.3:0.8, 6.77N:72.96W, h162km, 12km, mb3.1/1, mbmp4.1/3, Error ellipse: s-maj=5.5km s-min=7.8km az=131.0

RSNC 24 00:07:48.2:0.0, 7.7N:1.7W, h152km, 2km, 3.9m, mb4.6, mb4.0, ML3.5, Mw(MB)3.9

ISC 24 00:07:47.0:0.9, 6.86N:0.03:73.13W:0.04, h157km, 6km, n49, c150176, Northern Colombia

Main table for station data, columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, and other parameters.

Table with columns: GCUF, BCIP, AZU, YKA, Station Name, Azimuth, Elevation, Frequency, and other parameters.

ASAR Alice Springs 149.1324 PKPbc PKPbc 00 27 16.8 -0.9

WRA Warranguna Arr 150.35 241 PKPbc PKPbc 00 27 20.3 -0.4

IGQ 24 00:09:51.6:0.3, 0.1N:1.8W, h9km, 1km, MLV4.0/50, RSNC 24 00:09:54.9:0.0, 0.1S:7.8W, h16km, 6km, h3.6, mB5.0, mb4.5, ML3.2, Mw(MB)4.3

ISC 24 00:09:56.1:1.0, 0.19N:0.02:79.99W:0.04, h13km, gkm, n110, c1967129, 8C-3ZD, Near coast of Ecuador

Main table for station data, columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, and other parameters.

IDC 24 00:12:28.2:0.0, 12.70S:169.49E, h632km, 25km, mb3.3/13, mbmp4.1/14, Error ellipse: s-maj=18.6km

s-min=17.1km az=139.0, NEIC 24 00:12:30.5:1.5, 12.7S:0.1:169.4E:0.2, h647km, 10km, mb4.2/36, Error ellipse: s-maj=22.8km s-min=18.2km az=125.0

ISC 24 00:12:30.4:0.5, 12.72S:0.08:169.4E:0.1, h650km, n68, c095/65, mb4.1/31, Santa Cruz Islands region

Main table for station data, columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, and other parameters.

24d 1h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LOBH Bahia de las A, PODR Polo, SDDR Presa de Saban, etc.

CATAC 24 00:48:56.9-0.7, 8°N, 4°E, 8'3W, h21km, 2km, M2, 7/7, MLV2, 7/7, Error ellipse: s-maj=9.7km s-min=5.3km az=144.4, confirmed

ISC 24 00:48:56.9-0.9, 8.46N, 0.03E, 82.81W, 0.02, h30km, 7km, n39, c058/52, 6C-15D, Panama-Costa Rica border region

Main table for 24d 1h with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists numerous stations like CDITO Canoas, SCZRO Santa Cruz, etc.

NEIC 24 00:50:01.3-2.25, 27.2S, 0.1x176.6W, 0.1, h167km, 11km, mb4, 4/22, Error ellipse: s-maj=22.0km s-min=17.5km az=24.0

ISC 24 00:50:06.4-3.0, 22.81S, 177.10W, h192km, 26km, mb3, 7/14, mbmp4, 2/16, MS3, 5/3, Error ellipse: s-maj=15.3km s-min=14.6km az=95.0

ISC 24 00:50:06.1-0.5, 22.74S, 0.08E, 177.02W, 0.09, h200km, n67, c156/65, mb4, 2/25, 3D, South of Fiji Islands

Table for NEIC and ISC events with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MSVF Nonsavu, NIUE Niue, etc.

2019 MAY

Table for 2019 MAY with columns: WRA, KNRA, SBA, VBA, VDA, SOEI, PSAAO, MBWA, MORW, CASY, QSPA, KSRS, MAW, PFO, NVAR, TROLL, SNA, VNA3, VNA2, PLCA, TXAR, PDAR, ILAR, CMAR, SONK, MARM, KURBB, BVAR, SPITS, BOS, ARCES, FINES, HFS, AKAS, EKAS, BRTR, MMAI, GERES, GERE, ESDC, TORD. Includes station names and parameters.

KOLA 24 01:25:10.7-67.63N, 34.06E, h0km, ML2.5, Error ellipse: s-maj=2.7km s-min=1.4km az=130.0, Khinby, mines

HEL 24 01:25:12.2-0.1, 67.57N, 33.58E, h0km, ML2.1, Suspected explosion

ISC 24 01:25:10.0-0.9, 67.64N, 0.04E, 34.04E, 0.04, h0km, n32, c151/49, Baltic States-Belarus-Northwestern Russia

Table for KOLA, HEL, and ISC events with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like APA Apatity, APAA, KVDA, etc.

1330

Table with columns: KALU, ERU, FAUS. Includes station names and parameters.

IDC 24 01:50:53.8-0.8, 54.79N, 164.83E, h0km, mb3.6/14, mbmp3, 6/15, ML2.9/1, MS3, 1/15, Error ellipse: s-maj=25.7km s-min=15.3km az=160.0

KRSC 24 01:50:56.9-1.2, 54.91N, 164.87E, h45km, 25km, M1.4, MOS 24 01:50:57.6-0.7, 54.91N, 164.84E, h34km, mb3.9/2, Error ellipse: s-maj=6.9km s-min=6.1km az=162.1

ISC 24 01:50:57.9-1.5, 54.96N, 0.04E, 164.77E, 0.06, h24km, 12km, n118, c131/119, mb3.7/15, MS3, 2/12, Komandorsky Islands region

Main table for 1330 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists numerous stations like BKI Bering, KBTB Krutoberegovo, etc.

Table with columns: RES, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like Resolute Bay, Zalesovo Beam, Kurk Kurchatov, etc.

SOME 24 02:12:09.1, 39.88N, 75.15E, h10km
KRNET 24 02:12:12.0, 39.82N, 75.30E, h12km, mb3.1
NMC 24 02:12:23.2, 4.39, 98N, 75.37E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=19.2km s-min=14.4km az=132.0
ISC 24 02:12:07.0, 1.6, 39.82N, 0.07, 75.44E, 0.03, h10km, n33,
+176/55, 20C-15D, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like Sufi-Kurgan, Salom-Alik, Naryn, Aral, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like KPKS, KK31, etc.

CATAC 24 02:27:39.6, 0.4, 12N, 83.7W, h146km, 2km, M3.4/30,
MLV3.4/30, Error ellipse: s-maj=8.9km s-min=4.1km
az=49.2, confirmed, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like CRIN, QUEN, HOYN, etc.

GCG 24 02:33:12.9, 3.3, 15.15N, 94.20W, h42km, 999km, MD4.3
MEX 24 02:33:14.4, 0.7, 15.18N, 94.25W, h16km, 11km, MD4.2
ISC 24 02:33:09.1, 1.8, 15.12N, 0.06, 94.27W, 0.03, h10km, 12km,
n24, +226/40, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like PCIG, HUIG, THIG, etc.

ISC 24 02:34:14.4, 1.2, 3.73S, 151.81E, h0km, mb3.7/6,
mbtmp3.7/6, MS3.1/3, Error ellipse: s-maj=50.3km
s-min=27.7km az=108.0
ISC 24 02:34:19.8, 1.1, 3.75S, 0.2, 151.7E, 0.3, h35km, n13,
+05/147, mb3.6/6, New Ireland region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like HNR, DZM, etc.

Table with columns: WRA, ASAR, H11S3, H11S2, H11S1, KLR, VNSA, MKAR, ILAR, GSPA, TORD, etc. Includes station names and various parameters.

IDC 24 02:38:23.4, 999.0, 28.56N, 80.73W, h0km, Error ellipse:
s-maj=1381.0km s-min=281.8km az=157.0, Florida

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like H10CA, I56US, H18DK, I53US, etc.

KNET 24 03:10:15.3, 0.5, 43.29N, 74.99E, h16km, 1km, m10.9, Error
ellipse: s-maj=3.4km s-min=1.8km az=19.0
SOME 24 03:10:15.3, 43.28N, 75.00E, h0km
NMC 24 03:10:17.1, 1.6, 43.26N, 75.06E, h0km, mb3.3, mpv2.4,
Error ellipse: s-maj=11.2km s-min=4.8km az=161.0,
Suspected Mining explosion.
ISC 24 03:10:15.7, 1.0, 43.34N, 0.05, 75.00E, 0.03, h0km, n15,
+044/30, 8C-8D, Central Kazakhstan

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like USP, CHMS, DGS, etc.

VIE 24 03:21:57.7, 0.7, 51.57N, 16.10E, h0km, mb2.6/17,
mb3.0/15, ms3.2/1, Error ellipse: s-maj=6.4km s-min=3.9km
az=48.0 83 km NW of Wroclaw Suspected
Mining Induced.

IPEC 24 03:21:57.8, 0.2, 51.59N, 16.18E, h1km, ML2.7/5, Error
ellipse: s-maj=3.0km s-min=1.5km az=71.0
IDC 24 03:21:57.5, 0.7, 51.59N, 15.98E, h0km, mbtmp3.1/7,
ML2.5/7, Error ellipse: s-maj=12.5km s-min=6.8km
az=104.0

BGR 24 03:21:58.6, 0.5, 51.57N, 16.08E, h1km, ML2.8/8, Error
ellipse: s-maj=5.6km s-min=2.2km az=17.0

DNK 24 03:21:59.2, 1.4, 51.80N, 15.77E, h0km, 4.1km, ML2.2
UPP 24 03:22:02.6, 2.9, 51.96N, 15.48E, h0km, ML2.3
ISC 24 03:21:55.5, 0.6, 51.67N, 0.02, 16.09E, 0.02, h0km, n91,
+1860/174, Poland

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, etc. Includes stations like KSP, CHVC, OSTC, etc.

Table with columns: 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.

1333

Table listing astronomical observations with columns for station name, coordinates, time, and magnitude. Includes stations like YSS, MDJ, CN2, and many others.

2019 MAY

Main table of astronomical observations for May 2019, listing station names (e.g., ABKAR, AKTO, AS31, etc.), coordinates, times, and magnitudes.

24d 4h

Table listing astronomical observations for the last 24 days and 4 hours, including station names, coordinates, times, and magnitudes.

24h 5h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KNZ Kokohu, RAHZ Aarahi, MTHZ Maungataniwha, etc.

IDC 24:05:20.3.5.0.9.34.04N:135.19E,h0km,mb3.8/8, mbmp3.9/10,ML4.0/3,MS2.6/3,Error ellipse: s-maj=18.2km s-min=16.7km az=135.0

NEIC 24:05:25.11.6.1.2.34.05N:0.04:135.58E:0.07,h57km,8km, mb4.2/8,Error ellipse: s-maj=9.2km s-min=2.8km az=121.0

NIED 24:05:11.4.0.1.34.03N:135.58E,h62km,MW4.0,Moment Tensor Solution tensor: Scale 10^14Nm, Mw=4.2; Mw=7.0; Mw=3.25; Mw=0.39; Mw=5.1; Fault plane solution: M=9.71000x10^14 NP1b:74.00000°, 352.00000°, lambda=153.00000°. NP2b:326.00000°, 369.00000°, lambda=42.00000°

JMA 24:05:25.11.4.0.1.34.1N:0.3:135.6E:0.3,h62km,MV3.8/39, NE WAKAYAMA PREF JMA Felt J1 at NE WAKAYAMA PREF. ISC 24:05:25.11.1.0.7.34.09N:0.04:135.56E:0.03,h62km,5.5km, n65,-0.090/69,mb4.0/12,17D,Near south coast of western Honshu

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JWY Kouya, JTNC Tanabenahech, JMW Minabe, etc.

2019 MAY

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like RAO Raoul Island, BRTR Keskin Array B, KRNET 24:05:02.43.1.0.40.76N:77.69E,h13km,mb3.1, etc.

1334

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KK31 1.0nm,0.5s,baz=112,slow=27,SNR=5.1, NEIC 24:05:28.22.2.2.3.22.1S:0.1x176.3W:0.1,h109km,8km, etc.

24d 7h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Contains earthquake data for stations like TA01, TA02, G001, etc.

2019 MAY

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Contains earthquake data for stations like KIRV, SJG, BELG, BRTR, DLBC, etc.

1336

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Contains earthquake data for stations like I46RU, ZALV, KURBB, MKAR, etc.

NEIC 24 07:44:43.3:1.6.22:55.0:1x:179:6W:0.2, h579km, 5km, mb4.3/20, Error ellipse: s-maj=20.3km s-min=18.0km az=83.0

ISC 24 07:44:42.9:0.5,22:64.5:0.06:179:58W:0.08, h579km, n116, r154/126, mb4.0/22, 3C, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s ISC. Lists stations like LKBA Tubou Lakemba, MSVF Monsavu, etc.

Table with columns: SNAA, Sanae, 85.91 179 P, Iamb, Iamb, 07 56 20.8 -1.1, 07 57 00.7. Lists stations like VNA3 Neumayer Olymp, L19K White Mountain, etc.

IDC 24 07:52:26.7:13.0,25:34S:177:92W,h74km,103km, mb3.3/29, mbmp3.6/4, ML3.6/1, Error ellipse: s-maj=89.7km s-min=29.0km az=45.0

ISC 24 07:52:29.1:1.6,25:45.0:0.17x:10W:0.03, h100km, n6, r253/7, mb3.7/4, South of Fiji Islands

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

GUC 24 08:06:08.0:6.0,21:46S:68:45W,h129km,5km, ML3.5, IDC 24 08:06:09.2:2.5,21:40S:68:00W,h132km,24km, mb3.7/4, mbmp4.0/7, Error ellipse: s-maj=34.1km s-min=19.6km az=93.0

VAO 24 08:06:20.1:3.6,20:52S:67:58W,h154km,11km, mb4.2, ISC 24 08:06:07.3:0.8,21:43S:00:46:68:36W:0.08, h124km, 8km, n30, r145/38, mb3.9/4, 6C-1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s ISC. Lists stations like PB09 IPOC Station P, PB09 IPOC Station P, etc.

Table with columns: TWC, Suao, 0.31 285 eP, Pn, 08 10 00.3 -0.2, 08 10 00.2 -0.6, etc. Lists stations like EWUT Wuta, ENAW Nanau, EOSA EOSA, etc.

24d 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LYUB Lan-yu, SCZT Fangiulu, MATS Ma-isu, etc.

STR 24 08:20:41.0.3.46 N2.5W, h0km, MLv1.8/13, Error ellipse: s-maj=0.0km s-min=0.0km az=140.9, preliminary, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OG35 Corcelles, OGS31 Saint Maurice, OGS5 Moye, etc.

IDC 24 08:23:40.9.1.9.43 10Sx171.49E, h0km, mb3.6/2, mbtm3.6/2, Error ellipse: s-maj=44.9km s-min=10.7km az=106.0

WEL 24 08:23:41.7.43 19Sx171.59E, h3km, ML4.1, Mw3.8, Moment Tensor Solution, s4 Moment tensor: Scale 10^14 Nm; Mw=0.85; Mw=1.49; Mw=0.64; Mw=2.27; Mw=4.67; Mw=2.29; Fault plane solution: Ms=5.10000x10^14 NP1: 0.355.00000, 88.00000, 123.00000. NP2: 0.260.00000, 86.70000, 116.90000. Principal axes: T: 6.5910, P: 24.0000, Azm220.0000; N: -4.4220, P: 65.0000, Azm16.0000; P: -2.1690, P: 99.0000, Azm126.0000. Stations used: INZ WVZ RFPZ ODZ STRIKES-SLIP FAULTING

WEL 24 08:23:41.7.0.4.43 2E, h4km, 2km, M4.0/17, ML4.2/17, MLv4.0/17 Error ellipse: s-maj=2.8km s-min=2.5km az=70.5, confirmed

ISC 24 08:23:41.7.0.9.43 20Sx102.171.60E, 0.03, h10km, 6km, n69, r1616/79, South Island

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CSHS Castle Hill, APPS Arthurs Pass P, MHCZ Mount Hutt, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

BEQ 24 08:48:11.3.0.9.41 85N:25.85E, h0km, ML2.5/7, ISK 24 08:48:12.3.42 19N:25.68E, h5km, ML2.8/11, THE 24 08:48:13.9.42 N2.2x2.6E, h3km, 3km, M3.0/11, MLh3.0/11, SOF 24 08:48:13.5.42 12N:0.01x25.74E, h17km, 1km, MD3.2/11, AFAD 24 08:48:14.8.42 07N:25.82E, h29km, 4km, ML2.5, ISC 24 08:48:13.8.0.9.42 13N:0.02x25.75E, h0km, 7km, n81, r1908/116, 13C-5D, Bulgaria

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DIM Dimitrovgrad, DIM KIM, DIM Kurdzhal, etc.

IDC 24 08:49:32.4.3.9.54 21N:87.44E, h0km, mbtm2.6/2, ML2.3/2, Error ellipse: s-maj=35.2km s-min=21.3km az=43.0

ASRS 24 08:49:32.0.6.54 13N:87.14E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 P + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

TRN 24 08:55:32.4.17.99N:62.95W, h106km, MD4.6, Near East of Saint Maarten, Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKI Saint Kitts, SKI St. Kitts, UWI, ANWB Willy Bob, ANWB Batedas, Anti, etc.

IDC 24 08:56:12.5.1.2.48 60N:156.38E, h0km, mb3.4/4, mbtm3.7/6, ML2.6/1, MS2.5/2, Error ellipse: s-maj=38.8km s-min=24.2km az=116.0

KRS 24 08:56:19.1.1.49 35N:157.03E, h40km, 25km, M4.2, ISC 24 08:56:19.6.1.1.49 35N:0.08x156.58E, 0.10, h34km, n39, s=2908/40, mb3.5/4, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Puzhetka, PAU Kaudutka, Kamc, ASAK Asacha, etc.

1338

CATAC 24 08:49:24.8.0.5.9 N3.8W, h7km, 2km, M3.2/12, ML3.2/12, Error ellipse: s-maj=6.5km s-min=2.7km az=37.8, confirmed, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LCR2 La Lucha 2, LCR2 La Lucha 2, TCS1 Tacarua, etc.

IDC 24 08:49:32.4.3.9.54 21N:87.44E, h0km, mbtm2.6/2, ML2.3/2, Error ellipse: s-maj=35.2km s-min=21.3km az=43.0

ASRS 24 08:49:32.0.6.54 13N:87.14E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 P + CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV ZALV, etc.

TRN 24 08:55:32.4.17.99N:62.95W, h106km, MD4.6, Near East of Saint Maarten, Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKI Saint Kitts, SKI St. Kitts, UWI, ANWB Willy Bob, ANWB Batedas, Anti, etc.

IDC 24 08:56:12.5.1.2.48 60N:156.38E, h0km, mb3.4/4, mbtm3.7/6, ML2.6/1, MS2.5/2, Error ellipse: s-maj=38.8km s-min=24.2km az=116.0

KRS 24 08:56:19.1.1.49 35N:157.03E, h40km, 25km, M4.2, ISC 24 08:56:19.6.1.1.49 35N:0.08x156.58E, 0.10, h34km, n39, s=2908/40, mb3.5/4, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Puzhetka, PAU Kaudutka, Kamc, ASAK Asacha, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Lajitas Array, Alice Springs, Juan Fernandez, etc.

ASRS 24 09:07:36.0±1.0, 54.21N-87.07E, h0km, M2.8, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 24 09:07:34.0±3.3, 54.20N-87.49E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=26.3km s-min=17.3km az=56.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ZALESOVO INFRA, ZALV, KURBB, MKAR, etc.

ISC 24 09:12:43.2±1.1, 49.59S-125.91E, h0km, mb3.9/6, mbtmp4.0/7, ML2.3/1, MS3.5/5, Error ellipse: s-maj=56.3km s-min=17.2km az=98.0

ISC 24 09:12:44.6±0.9, 49.6S-125.8E, h0km, n16, s=053/8, mb3.9/6, MS3.4/4, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Cape Leeuwin, Warramunga Arr, Vanda, etc.

ASRS 24 09:14:28.0±1.2, 53.76N-91.11E, h0km, M2.8, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 24 09:14:31.8±3.5, 53.67N-90.75E, h0km, mbtmp3.0/3, ML2.7/3, Error ellipse: s-maj=31.9km s-min=24.3km az=35.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ZALESOVO INFRA, ZALV, KURBB, MKAR, etc.

DMN 24 09:16:23.9±0.0, 23.98N-82.39E, h10km, M4.3/3, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0, Southern India

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

ASRS 24 09:19:57.0±0.9, 54.04N-86.52E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 24 09:19:59.3±3.1, 54.03N-86.61E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=24.7km s-min=14.6km

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ZALESOVO INFRA, ZALV, KURBB, MKAR, etc.

ISC 24 09:20:15.1±2.2, 3.49S-101.71E, h0km, mb3.8/8, mbtmp3.8/8, MS3.1/1, Error ellipse: s-maj=103.6km s-min=20.3km az=54.0

DJA 24 09:20:39.5±0.5, 2.9S-102.1E, h140km, 12km, M4.5/10, mB5.2/1, mB4.9/4, MLV4.3/10, Mw(mB)4.7/1

ISC 24 09:20:39.0±1.2, 2.55S-102.10E, h150km, n26, s=053/16, mb3.8/9, Southern Sumatra

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MNAI, PPI, KURBB, MKAR, etc.

STR 24 09:21:59.6±0.6, 45.14N-144.4E, h0km, MLV1.7/10, Error ellipse: s-maj=0.0km s-min=0.0km az=8.4, preliminary, France

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

KRNET 24 09:24:46.2±0.1, 43.61N-69.56E, mb2.7, SOMET 24 09:24:47.5±43.58N-69.72E

NMC 24 09:24:47.4±2.0, 43.65N-69.70E, h0km, mb3.8, mpv3.0, Error ellipse: s-maj=11.6km s-min=8.1km az=163.0, Suspected Mining explosion.

ISC 24 09:24:48.8±2.8, 43.63N-69.60E, h0km, n11, s=058/21, 10C-SD, Central Kazakhstan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BRLS, KK31, KURBB, etc.

ISC 24 09:25:12.2±0.8, 28.92N-52.23E, h0km, mb3.9/17, mbtmp3.9/21, ML3.4/5, MS3.0/10, Error ellipse: s-maj=20.8km s-min=14.9km az=24.0

TEH 24 09:25:13.8±29.03N-52.19E, h8km, 21km, NEIC 24 09:25:14.2±2.2, 28.97N-52.22E, h10km, 11km, mb4.1/19, Error ellipse: s-maj=14.0km s-min=11.2km az=215.0

THR 24 09:25:15.9±1.2, 28.92N-52.15E, h8km, 11km, ML4.0, SGS 24 09:25:15.1±28.31N-53.71E, h7km, M4.5, DSN 24 09:25:16.8±1.2, 28.86N-52.20E, h10km, ML3.7/17, Error ellipse: s-maj=16.0km s-min=5.2km az=3.0

OMAN 24 09:25:17.6±0.7, 28.87N-52.38E, h10km, mb4.5/17, m4.2/14, Error ellipse: s-maj=5.3km s-min=3.4km az=179.0

ISC 24 09:25:14.1±0.4, 29.02N-50.03S-52.25E±0.03, h10km, n192, s=208/207, mb4.1/30, MS2.9/7, Southern Iran

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KAZZ, QIR1, GHIR, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DSBU, JMRD, LMD1, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SHMA, SAKB, KFJ52, etc.

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

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

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ALNE, EK2S, AML, etc.

24d 9h

Table of astronomical observations for 24d 9h, listing objects like ILBA, SNOR, HQAB, etc., with their coordinates and observation details.

2019 MAY

Table of astronomical observations for 2019 MAY, listing objects like NB2, NOA, KEV, etc., with their coordinates and observation details.

1340

Table of astronomical observations for 1340, listing objects like TURIB, REPA, TAAN, etc., with their coordinates and observation details.

1341

Table with columns: Station, Name, Time, and other details. Includes stations like FOZ, TMZ, LBZ, etc.

2019 MAY

Table with columns: Station, Name, Time, and other details. Includes stations like FORT, FITZ, FITZ, etc.

24d 9h

Table with columns: Station, Name, Time, and other details. Includes stations like QIZ, QIZ, QIZ, etc.

24d 9h

Table of station data for 24d 9h. Columns include station call letters, frequency, power (P), status, and time offsets. Rows include stations like XAN, XAN, XAN, etc.

2019 MAY

Table of station data for 2019 MAY. Columns include station call letters, frequency, power (P), status, and time offsets. Rows include stations like PZH, J25K, PLID, etc.

1342

Table of station data for 1342. Columns include station call letters, frequency, power (P), status, and time offsets. Rows include stations like KLMR, BELG, MOS, etc.

TAP 24 09:36:47.0, 24:91N:122:34E, h6km, ML2.9, D
JMA 24 09:36:47.0, 24:91N:122:34E, h6km, ML2.9, D
TAINWAN REGION
ISC 24 09:36:47.1, 24:91N:122:34E, h8km, 10km,

Table with columns: Code, Station Name, Δ, Az, Op, Phase ID, Time Res, and Res. Rows include stations like TWB1, TWB1, SX1, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Rows include TWA Mucha, ENA Nanau, JYNG Youangunijimaku, etc.

SOME 24 09:46:21.5, 40.72N, 69.68E, h5km
ISU 24 09:46:23.0, 40.78N, 69.60E, h5km
NNC 24 09:46:23.4, 1.0, 40.83N, 69.71E, h0km, mb3, mpv3.5,
Error ellipse: s-maj=7.4km s-min=4.0km az=35.0,
Suspected Mining explosion.

KRN2T 24 09:46:23.0, 1.0, 40.83N, 69.71E, h18km, mb3.3
ISC 24 09:46:23.0, 1.0, 40.90N, 69.63E, h0km, n30,
+152/52, 20C-110, Tajikistan

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Rows include TAS Tashkent, TAS TashGRES, CHMG Chimgan, etc.

Main table with columns: YATNC Mamie plateau, OUENC Owen Island, N, etc. Rows include YATNC Mamie plateau, OUENC Owen Island, N, etc.

Main table with columns: J18K comp=2.5,0nm,1.2s, IAMB IAMB, etc. Rows include J18K comp=2.5,0nm,1.2s, IAMB IAMB, etc.

NOU 24 10:24:05.0, 25.72S, 179.09W, h614km, mb4, 1/25, South of Fiji Islands
IDC 24 10:24:08.1, 1.3, 25.66S, 179.51E, h505km, 15km, mb3, 3.1, mbtmp4, 2/12, Error ellipse: s-maj=15.9km s-min=12.7km az=173.0
NEIC 24 10:24:09.0, 2.0, 25.75S, 179.70E, 0.1, h513km, 7km, mb4, 4/23, Error ellipse: s-maj=17.5km s-min=12.1km az=145.0

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Rows include RAO Raoul Island, RAO Raoul Island, etc.

24d 11h

Table with columns: STKA, Stephens Creek, 33.72 251, P, P, 10 30 06.7 +0.1. Includes various station codes and coordinates.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TARG, PRZ, SHLS, etc.

2019 MAY

Table with columns: KTBS, Tokmak 2, 3.72 304, P, P, 10 35 37.9 +2.6. Includes station codes and coordinates.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like 107AU, 104AU, etc.

1344

Table with columns: Error ellipse, s-maj=52.7km, s-min=10.6km, az=156.0. Includes station codes and coordinates.

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

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

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

IDD 24 12:08:20.9;1.0, 11.81N;57.84E, h0km, mb4.0/15, mbmp4.0/15, MS3.0/2, Error ellipse: s-maj=27.8km, s-min=19.1km az=34.0

NEIC 24 12:08:21.6;2.3, 11.6N;0.1;57.8E;0.07, h10km, mb2km, mb4.4/12, Error ellipse: s-maj=22.4km s-min=11.6km az=172.0

ISC 24 12:08:21.9;0.9, 11.7N;0.1;57.8E;0.1, h10km, n37, r105/32, mb4.2/20, Az=Fracture Zone region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARCES, EKA, H01W3, etc.

SJA 24 12:22:08.0;0.6, 20.25S;68.78W, h126km, 4km, ML3.7, MW3.7

GUC 24 12:22:09.7;0.8, 20.24S;68.72W, h114km, 5km, ML3.9

NEIC 24 12:22:09.2;1.6, 20.27S;0.04;68.79W;0.10, h115km, 6km, mb4.2/6, ML3.9(GUC), Error ellipse: s-maj=13.7km s-min=3.9km az=104.0

IDD 24 12:22:14.2;0.2, 20.15S;68.24W, h149km, 20km, mb3.4/5, mbmp3.7/8, Error ellipse: s-maj=32.1km s-min=16.9km az=79.0

ISC 24 12:22:09.2;0.7, 20.27S;0.03;68.87W;0.06, h122km, 6km, n64, r186/85, mb3.8/5, 4C-1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PB08, GO01, CHUSMIZA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TXAR, TX31, SNA, etc.

South Pole Qui 69.91 180 P P 12 33 08.4 +1.5

ASAR Alice Springs 131.01 208 PKP PKPdf 12 41 07.3 0.0

WRA Warramunga Arr 134.02 211 PKP PKPdf 12 41 13.2 +0.2

KOLA 24 12:27:32.3, 69.10N;33.23E, h0km, ML2.0, Error ellipse: s-maj=2.4km s-min=1.6km az=40.0, Murrmans region, Closed territories

ISC 24 12:27:34.8;3.9, 69.15N;32.71E, h0km, mbmp2.9/2, ML2.0/2, Error ellipse: s-maj=44.9km s-min=19.2km az=56.0

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

ARCES 0.2nm, 0.3s, baz=99, slow=26, SNR=11 Sn 12 28 51.0 -0.3

ARCES ARCESS Array B 2.83 283 Pn 12 28 16.9 +0.4

FINES FINES Array B 8.25 205 Pn 12 29 33.0 +2.1

RSNC 24 12:38:52.5;0.0, 7.7N;1.73W, h149km, 2km, M3.3, mb4.9, mb3.7, ML3.0, Mw(mb)4.2, Northern Colombia

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

NEIC 24 12:51:44.8;1.1, 19.72N;0.05;68.14W;0.04, h10km, 2km, ML2.6/14, M3.2/8(RSPR), Error ellipse: s-maj=9.5km s-min=4.9km az=39.0

RSPR 24 12:51:50.1, 19.55N;68.21W, h90km, 8km, MD3.1/8 SDD 24 12:52:00.6;1.7, 18.09N;68.72W, h22km, h22km, MD2.9, ML2.4, MW3.2

ISC 24 12:51:51.3;1.7, 19.39N;0.09;68.18W;0.03, h25km, 14km, n32, r189/41, 5C-3D, North Atlantic Ocean

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

Table listing seismic events with columns for Code, Station Name, Time, Res, and ISC. Includes entries for TMTI Ternate, SGTI Sangihe, KMSI Cibinong, etc.

Table with header information for ID 24 13:22:24.4, 999.0, 49.45N, 166.67E, h0km, error ellipse, and station data.

Table with header information for ID 24 13:31:14.5, 16.0, 23.47S, 179.18E, h616km, 126km, error ellipse, and station data.

Table with header information for HLW 24 13:50:48.6, 27.97N, 134.43E, h4km, 1km, Md2.4, Ml2.6, station data.

Table with header information for ID 24 14:04:58.2, 1.6, 6.65S, 155.46E, h0km, mb3.3/3, station data.

Table with header information for ID 24 14:29:35.7, 3.6, 34.87S, 179.47W, h0km, mb3.3/2, station data.

Table listing seismic events with columns for Code, Station Name, Time, Res, and ISC. Includes entries for WRA Warramunga Arr, TXAR Lajitas Array, etc.

Table with header information for NIED 24 15:14:45.7, 30.65N, 140.92E, h45km, MW4.3, Moment Tensor Solution, station data.

Table with header information for ID 24 15:14:45.7, 3.3, 30.48N, 140.10E, h58km, 28km, mb3.4/12, station data.

Table listing seismic events with columns for Code, Station Name, Time, Res, and ISC. Includes entries for JHU Hachioji jima, JCHJ Chichijima, etc.

Table listing seismic events with columns for Code, Station Name, Time, Res, and ISC. Includes entries for ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

Table with header information for ID 24 15:19:02.9, 0.6, 30.35N, 140.06E, h75km, 23km, mb3.4/10, station data.

Table listing seismic events with columns for Code, Station Name, Time, Res, and ISC. Includes entries for JHH Hachioji jima, JCJ Chichijima, MJAR Matsushiro Arr, etc.

Table with header information for ID 24 15:29:01.3, 5.22, 34N, 143.87E, h0km, mb3.5/7, station data.

Table with header information for ID 24 15:29:02.4, 2.2, 22.5N, 102.144E, 1.07, h53km, n9, station data.

Table listing seismic events with columns for Code, Station Name, Time, Res, and ISC. Includes entries for JCHJ Chichijima, MJAR Matsushiro Arr, etc.

24d 16h

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

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

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

1350

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, and other parameters. Includes stations like VSHL, BKA, KMRG, etc.

Main station listing table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, and other parameters. Includes stations like BAYT, KSMR, KSMR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, and other parameters. Includes stations like APC, KMRM, KARM, etc.

24d 17h

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

2019 MAY

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

1352

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KKO Rim, NPOC North of Pu'u, STCH Steam Cracks, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWD Chiawan, ESAO Su ao, NACB Ninganchiao, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KKB Krupnik, KNT Kendrikon, KNT Kendrikon, etc.

IDC 24 17:08:28.7,370.0,58.66N,54.88E,h0km, Error ellipse: s-maj=153.6km s-min=129.1km az=45.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I31KZ AKTYUBINSK INF, I43RU DUBNA INFRASON, etc.

IDC 24 17:08:28.7,370.0,58.66N,54.88E,h0km, Error ellipse: s-maj=153.6km s-min=129.1km az=45.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I31KZ AKTYUBINSK INF, I43RU DUBNA INFRASON, etc.

IDC 24 17:08:28.7,370.0,58.66N,54.88E,h0km, Error ellipse: s-maj=153.6km s-min=129.1km az=45.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I31KZ AKTYUBINSK INF, I43RU DUBNA INFRASON, etc.

KOLA 24 17:16:56.0,67.67N,34.22E,h0km,ML2.3, Error ellipse: s-maj=2.9km s-min=1.3km az=120.0, Murmansk region, Kirovsk district

IDC 24 17:16:57.9,3.4,67.55N,33.53E,h0km,mbtm3.3/2, ML2.1/2, Error ellipse: s-maj=33.5km s-min=10.9km az=75.0

ISC 24 17:16:52.3,1.2,67.56N,0.04,34.43E,0.06,h0km,n14, c1337/22, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LVZ Lovozero, APA Apatity, APAA Apatity Array, etc.

KOLA 24 17:16:56.0,67.67N,34.22E,h0km,ML2.3, Error ellipse: s-maj=2.9km s-min=1.3km az=120.0, Murmansk region, Kirovsk district

IDC 24 17:16:57.9,3.4,67.55N,33.53E,h0km,mbtm3.3/2, ML2.1/2, Error ellipse: s-maj=33.5km s-min=10.9km az=75.0

ISC 24 17:16:52.3,1.2,67.56N,0.04,34.43E,0.06,h0km,n14, c1337/22, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WCS Beigang Elemen, WPC Taichung City, WHP Zuzhu, etc.

KOLA 24 17:16:56.0,67.67N,34.22E,h0km,ML2.3, Error ellipse: s-maj=2.9km s-min=1.3km az=120.0, Murmansk region, Kirovsk district

IDC 24 17:16:57.9,3.4,67.55N,33.53E,h0km,mbtm3.3/2, ML2.1/2, Error ellipse: s-maj=33.5km s-min=10.9km az=75.0

ISC 24 17:16:52.3,1.2,67.56N,0.04,34.43E,0.06,h0km,n14, c1337/22, Baltic States-Belarus-Northwestern Russia

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

JMA 24 17:28:26.9,0.3,24.12N,122.66E,0.6,h26km,4km, MV2.2/1, NW OFF ISHIGAKIJIMA IS

TAP 24 17:28:26.7,23.99N,122.60E,h27km,ML2.6, C

ISC 24 17:28:26.4,1.0,23.93N,122.61E,0.02,h26km,10km, n80,c086/159,Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like E0S4 E0S4, E0S3 E0S3, E0S2 E0S2, etc.

JMA 24 17:28:26.9,0.3,24.12N,122.66E,0.6,h26km,4km, MV2.2/1, NW OFF ISHIGAKIJIMA IS

TAP 24 17:28:26.7,23.99N,122.60E,h27km,ML2.6, C

ISC 24 17:28:26.4,1.0,23.93N,122.61E,0.02,h26km,10km, n80,c086/159,Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SOF 24 17:29:43.8,41.81N,0.01,22.81E,0.02,h11km,1km, MD3.2/9

JMA 24 17:28:26.9,0.3,24.12N,122.66E,0.6,h26km,4km, MV2.2/1, NW OFF ISHIGAKIJIMA IS

TAP 24 17:28:26.7,23.99N,122.60E,h27km,ML2.6, C

ISC 24 17:28:26.4,1.0,23.93N,122.61E,0.02,h26km,10km, n80,c086/159,Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SOF 24 17:29:43.8,41.81N,0.01,22.81E,0.02,h11km,1km, MD3.2/9

24d 18h

AEIC 24 17:31:42.9,2.6,5.4;06N,0.05;163.64W,0.06,h22km,7km, Error ellipse: s-maj=7.5km s-min=4.4km az=150.0 NEIC 24 17:31:42.8,2.3,5.3;97N,0.02;163.56W,0.07, h45km,18km,mb3.5/12,ML3.6/22,ML3.2(AEIC), Error ellipse: s-maj=6.5km s-min=3.2km az=104.0,Unimak Island region

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

2019 MAY

G29M comp=Z,6.0nm,1.4s IAMB IAMB 17 35 45.9 G30M tAoh Zraii Nm 18.52 35 P P 17 35 51.3 -3.8 G30M comp=Z,3.4nm,1.0s IAMB IAMB 17 35 58.1

AFAD 24 17:49:21.6,38.91'N,26.10'E,h12km,2km,ML2.8 THE 24 17:49:22.7,39'N,1°2'6"E, h14km,3km,ML2.3/12, MLh2.3/12 ISK 24 17:49:22.9,38.99'N,26.15'E,h9km,ML2.9/16 ATH 24 17:49:22.3,38.94'N,26.16'E,h17km,3km,ML2.5/6 Manual Solution by K.Orfanogiannaki First location: 2019/05/24 17:50:35, This location: 2019/05/24 17:58:51 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 3 km Longitude uncertainty: 9 km

Main seismic event table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Lists numerous seismic stations and their recorded data for the event.

1354

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data for event 1354.

SOME 24 18:22:42.8,41.70'N,79.30'E,h10km KRNET 24 18:22:42.5,0.1,4.1;65N,79.32E,h20km,mb2.8 NNC 24 18:22:43.6,1.7,4.1;75N,79.27E,h0km,mb3.4,mpv3.1, Error ellipse: s-maj=11.2km s-min=7.0km az=151.0 ISC 24 18:22:43.8,2.0,4.1;73N,0.07x79.27E,0.06,h4km,11km, n33, c094/55, 10C-DB, Kyrgyzstan-Xinjiang border

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data for event 1354.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CHKK Chushkaly, KTBS Karatobe, KST KasteK, etc.

ICD 24 18:37:51.0, 1.9, 32.51S; 176.26W, h0km, mb3.6/3, mbmp3.9/6, ML4.1/3, Error ellipse: s-maj=44.5km s-min=29.2km az=83.0

WEL 24 18:37:51.2, 1.1, 33.5, 4.4, 17.6W, 1.1, h12km, M4.5/8, mB4.7/5, ML4.8/9, MLV4.8/8, Mw(mB)3.9/5, Error ellipse: s-maj=15.1km s-min=5.5km az=97.4, confirmed

ISC 24 18:37:51.8, 1.5, 32.56S; 0.06, 176.2W, 0.2, h10km, n35, s186/40, mb3.6/3, South of Kermadec Islands

Main table for station 1355, listing codes, station names, and seismic data. Includes stations like GLKZ Green Lake, RAO Raoul Island, RIZ Raoul Island, etc.

GCG 24 18:57:45.1, 1.5, 14.66N; 92.20W, h98km, 11km, MD3.6, Near coast of Chiapas

Table for station GCG, listing codes, station names, and seismic data. Includes stations like SMCA Catarina, SOKI Kika Raxquin, etc.

NNC 24 19:03:03.7, 1.4, 41.64N; 78.89E, h0km, mb3.0, mpv2.8, Error ellipse: s-maj=9.6km s-min=6.1km az=159.0

SOME 24 19:03:03.0, 41.63N; 78.85E, h10km, Error ellipse: s-maj=9.6km s-min=6.1km az=159.0

KRNET 24 19:03:04.1, 0.1, 41.09N; 78.44E, h35km, mb2.2, Error ellipse: s-maj=9.6km s-min=6.1km az=159.0

Main table for station NNC, listing codes, station names, and seismic data. Includes stations like TARG Taragay, PRZ Przeval'sk, etc.

Table for station 1355, listing codes, station names, and seismic data. Includes stations like NRN Tian-Shan, TNSS Tian-Shan, etc.

ISN 24 19:04:04.6, 0.4, 34.61N; 46.21E, h14km, 5km, ML2.6, TEH 24 19:04:05.2, 34.61N; 46.22E, h8km, 34km

ISC 24 19:04:05.1, 1.2, 34.61N; 0.04, 46.21E, 0.04, h12km, 12km, n15, c954/18, Western Iran

Main table for station 1355, listing codes, station names, and seismic data. Includes stations like IDHR Dehrash, IGHG Ghaleghazi, etc.

ICD 24 19:26:12.6, 5.7, 4.03S; 102.33E, h0km, mb3.4/3, mbmp3.4/3, Error ellipse: s-maj=312.7km s-min=28.7km az=51.0, Southern Sumatara

Main table for station 1355, listing codes, station names, and seismic data. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

ICD 24 19:27:47.2, 0.6, 33.40S; 78.04E, h0km, mb4.0/13, mbmp4.0/13, MS3.7/32, Error ellipse: s-maj=25.8km s-min=17.0km az=91.0

NEIC 24 19:27:48.2, 1.7, 33.43S; 0.09, 77.8E, 0.1, h10km, 1km, mb4.5/31, Error ellipse: s-maj=20.7km s-min=15.9km az=275.0

GCMT 24 19:27:51.2, 0.4, 33.42S; 0.02, 77.85E, 0.02, h2km, 1km, MV4.8/79, Moment Tensor Solution, s19.c21; s79.c105; Duration: 0. Moment tensor: Scale 10^19Nm; M1: 0.31e12; M2: -1.73e09; M3: 0.31e11; M4: 0.29e15; M5: 0.73e09; M6: -0.53e15; Best double couple: M2, 1080000, 1016

NP1=0.236, 0.0000; 373.0000; 1=2.0000; NP2=0.326, 0.0000; 888.0000; A=163.0000; Principal axes: T 2.2590, P1g11.0000, Azm100.0000; N=0.3600, Plg73.0000, Azm332.0000; P=1.9580, Plg14.0000, Azm19.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 24 19:27:47.9, 0.5, 33.43S; 0.08, 77.8E, 0.1, h10km, n93, s1909/57, mb4.4/24, MS3.8/32, C, Mid-Indian Ridge

Main table for station 1355, listing codes, station names, and seismic data. Includes stations like AIS Amsterdam Isla, H04N2 CROZET ISLANDS, etc.

Main table for station 1355, listing codes, station names, and seismic data. Includes stations like LEM Lembang, PALK Palleke, BOSA Boshof, etc.

24d 20h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MJAR, AKASG, SCHO, YKA, NVAR.

TAP 24 19:44:13.6, 24.84N:122.95E, h144km, ML2.6, D
JMA 24 19:44:14.3, 23.3, 25 N:144.3, 23.0E:1.0, h139km, MV2.1/9,
NISV CFF IGHAKI/JIMA IS
ISC 24 19:44:13.4, 2.2, 24.30N:0.08, 122.95E:0.04,

Main table listing station names, azimuths, phase IDs, and times/residuals for various stations like YOJ, YOY, JYOS, EOS2, etc.

IDC 24 20:06:18.4, 5.7, 28.26S:142.28E, h10km, mbtm2.7/3,
ML2.4/3, Error ellipse: s-maj=84.7km s-min=21.0km
az=76.0

AUST 24 20:06:22.0, 0.5, 28.4, 14.2E:1.7, h10km, mb3.4/1,
ML2.5/3, Error ellipse: s-maj=9.8km s-min=8.0km az=87.9

ISC 24 20:06:18.7, 1.1, 28.30S:0.06:142.41E:0.07, h10km, n11,
c=53/14, Queensland

Table listing station names, azimuths, phase IDs, and times/residuals for stations like INKA, QLP, STKA, etc.

MOS 24 20:15:58.3, 1.4, 27.85S:66.70W, h150km, mb5.5/22,
Error ellipse: s-maj=10.4km s-min=6.2km az=89.7

SJA 24 20:15:58.8, 0.6, 27.97S:66.71W, h194km, 3km, ML5.4,
MW5.1

NEIC 24 20:15:59.2, 27.92S:66.61W, h170km
NEIC 24 20:15:59.2, 27.92S:66.61W, h170km, Moment Tensor
Solution. Duration: 2s0 Moment tensor: Scale 10^16Nm

NEIC 24 20:15:59.4, 1.9, 27.89S:0.04:66.64W:0.08, h149km, 3km,
Az=207.00000, Azm325.00000, P -7.9767, Plg58.00000,

2019 MAY

mb5.1/400, Mw5.2/55, Mw5.2(GUC) Error ellipse:
s-maj=10.6km s-min=6.0km az=80.0
BUJ 24 20:16:00.1, 28.14S:67.16W, h166km, mb4.9/6
VAO 24 20:16:00.2, 0.6, 27.93S:66.67W, h164km, 4km, mb5.8
IDC 24 20:16:01.2, 0.4, 27.85S:66.52W, h164km, 3km, mb5.1/23,
mbtm5.5/27, MS3.8/12, Error ellipse: s-maj=11.4km
s-min=8.2km az=81.0

GUC 24 20:16:01.7, 0.5, 27.92S:66.95W, h176km, 5km, ML5.8
GCMT 24 20:16:04.0, 1.28, 05S:0.01:66.60W:0.01, h176km, 1km,
MW5.3/132, Duration: 1s1 Moment tensor: Scale 10^17
Nm; Mw=0.44; M0=0.27; M2=0.02; Mw0.70z=0.2;
Mw0.59z=0.1; Mw=0.16z=0.2; Mw=0.54z=0.1; Best double
couple: M=1.02800e+17, NP1=203.00000, 830.00000,
lambda=30.00000, NP2=320.00000, 875.00000,
lambda=117.00000, Principal axes: T 1.0400, Plg26.00000,
Az=70.00000; N -0.0250, Plg26.00000, Az=327.00000; P
-1.0160, Plg52.00000, Az=198.00000; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

ISC 24 20:16:00.3, 0.3, 27.90S:0.03:66.73W:0.03, h164km, 2km,
h165km: p:P, n899, c:159882, mb5.1/225, 14C-26D,

Main table listing station names, azimuths, phase IDs, and times/residuals for stations like Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AHML, AGUA, AC02, etc.

2019 MAY 1356

Main table listing station names, azimuths, phase IDs, and times/residuals for stations like AF01, ARCO, PB10, etc.

Table with columns for station call letters, frequency, mode, and other technical details. Includes stations like MG04, MACA, GO10, etc.

Table with columns for station call letters, frequency, mode, and other technical details. Includes stations like ZAIG, 352A, 352B, etc.

Table with columns for station call letters, frequency, mode, and other technical details. Includes stations like MNHN, WCI, WCI, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like WATA, WTAA, WTTA, ABTA, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like WRA, WRAB, WRAB, ASUD, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like KSH, BNSI, SPSI, etc.

24d 21h

Table with columns: QIZ, comp, Z, 170nm, 12.7s, LR, LR, etc.

ISK 24 20:34:43.6, 38°85'N, 26°14'E, h10km, ML3, 3/31
AFAD 24 20:34:43.8, 38°86'N, 26°16'E, h7km, 3km, MW3, 4
ATH 24 20:34:44.4, 38°86'N, 26°18'E, h16km, 4km, ML2, 8/24

Manual Solution by D.Makarits First location: 2019/05/24
20:35:53, This location: 2019/05/25 03:48:45 ML

Amplitudes are expressed in micrometers, All distances
are expressed in degrees Latitude uncertainty: 4 km;

Longitude uncertainty: 4 km
ISC 24 20:34:44.0, 9.38, 38°86'N, 02°26'16E, 0.02, h11km, 8km,

n116, 0.06/0.103, 10C-12D, Aegean Sea

Main table of station data for the 24d 21h period, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, etc.

2019 MAY

Table of station data for 2019 MAY, including columns for KRND, KRANIDI, HORT, Hortiatis, etc.

OSPL 24 20:35:17.5, 1.3, 18°65'N, 71°14'W, h22km, 13km, ML 1.9

SDD 24 20:35:18.6, 1.7, 18°63'N, 71°36'W, h12km, 24km, MD2.7,

ML 1.9, MW2.5

ISC 24 20:35:19.1, 0.18, 62°N, 03°71'35W, 0.05, h10km, n11,

0.078/16, 2C-4D, Dominican Republic region

Table of station data for the Dominican Republic region, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, etc.

IDC 24 20:44:34.9, 0.7, 10°73'N, 91°63'E, h0km, mb4, 1/11,

mbmp4, 1/13, ML4, 1/2, MS3.4/8, Error ellipse:

s-maj=25.8km s-min=15.4km az=67.0

NEIC 24 20:44:35.2, 1.9, 10°64'N, 09°143E, 0.05, h10km, 1km,

mb4, 2/21, Error ellipse: s-maj=15.2km s-min=7.9km

az=189.0

NDI 24 20:44:38.0, 2.0, 10°69'N, 91°44'E, h10km, mb4, 0, ML4, 0,

ISC 24 20:44:34.8, 0.5, 10°61'N, 00°59'35E, 0.05, h10km, n64,

c25/60, mb4, 2/20, MS3.4/6, Andaman Islands region

Main table of station data for the Andaman Islands region, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, etc.

1360

Table of station data for 1360, including columns for MYLMD, Lahad Datu, TARG, Taragay, etc.

IDC 24 21:04:39.5, 1.1, 6°12'S, 151°91'E, h0km, mb3, 7/7,

mbmp3, 7/8, ML2, 3/1, MS3.4/1, Error ellipse: s-maj=42.1km

s-min=22.8km az=121.0

ISC 24 21:04:44.9, 0.9, 6°25'0.2, 152°0E, 0.2, h36km, n10,

0.038/11, mb3, 8/7, New Britain region

Main table of station data for the New Britain region, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, etc.

WEL 24 21:11:44.8, 37°51'S, 177°15'E, h7km, ML3, 2, Mw3, 8,

Moment Tensor Solution, g12 Moment tensor: Scale

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ohinepanea, Manawaha, Rukumara Rang, etc.

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

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

VE 24 21:17.47.2.0.2.46.92N.12.70E, h3km, 3km, m10, 7/2, Error ellipse: s-maj=1.0km s-min=0.9km az=132.0 10

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

NAO 24 21:17.38.2.35.66N.22.52E, h10km, mb4.4
MOS 24 21:17.55.9.1.2.37.72N.21.01E, h13km, mb4.5/16, Error ellipse: s-maj=6.4km s-min=3.7km az=75.5
IDC 24 21:17.57.1.0.8.38.01N.21.17E, h0km, mb4.3/17, mbtmp4.1/25, MLS3.5/7, MS3.2/13, Error ellipse: s-maj=18.2km s-min=12.6km az=24.0
PDG 24 21:17.57.9.0.7.37.84N.21.19E, h10km, 1km, MLC3.9/10, Error ellipse: s-maj=1.0km s-min=0.9km az=90.0
NEIC 24 21:17.58.6.1.7.37.81N.0.04.21.10E.0.06, h10km, 1km, mb4.3/27, Error ellipse: s-maj=9.7km s-min=5.7km az=24.0
ATH 24 21:17.58.3.37.94N.21.24E, h8km, 2km, MLC3.9/18, Manual Solution by D.Makariz First location: 2019/05/24 21:18:49, This location: 2020/09/19 12:32:34 ML Amplitudes are expressed in degrees Latitude uncertainty: 1 km; Longitude uncertainty: 0 km

UPSL 24 21:17.58.5.37.94N.21.24E, h5km, Mw3.9, Moment Tensor Solution. S: Mw=0.41; Mw=2.63; Mw=3.58; Fault plane solution: NP1: 322.0000; 373.0000; 0.20.0000; -1.168.00000; NP2: 322.0000; 373.0000; 0.20.0000; -1.168.00000
AFAD 24 21:18.05.0.38.20N.21.48E, h13km, 70km, M4.0
BEO 24 21:18.06.6.0.38.23N.20.76E, h42km, M3.7/5
ISC 24 21:17.58.6.0.9.37.93N.0.02.21.23E.0.02, h10km, 5km, g33e, t1996/394, mb4.3/39, MS3.1.6, 41C-27D, Southern Greece.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RLS, RLS, LTHK, LTHK, DRO, DRO, Pessada-Kefalo, Pessada-Kefalo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ALN, ALN, BUHA, BUHA, PLNA, PLNA, KDF, KDF, etc.

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

Table with columns: EIL, comp, LR, LR, 21 28 45.5, etc. Includes stations like ECH, ECHery, COLL, COLLm, etc.

Table with columns: KKR, Karatay Array, 37.38 66 P Iamb, etc. Includes stations like KKR, KAR, GAR, ARSB, etc.

Table with columns: LPAZ, La Paz, 3.93 16 i P Pn, etc. Includes stations like TORD, YKA, BUJ, BGR, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like KMI, KSH, KBL, WMO, HNS, SSE, PRZ, KDJ, HHC, HHH, SHS, UZB, CD2, DNAI, KSM, SBUM, GOMU, ENH, CNSH, KKM, LZH, XAN, LEM, GTA, YULB, H08S3, H08S2, H08S1, KSH.

Table with columns for station code, name, frequency, and signal strength. Includes stations like KSH, WMO, HNS, SSE, PRZ, KDJ, HHC, HHH, SHS, UZB, CD2, DNAI, KSM, SBUM, GOMU, ENH, CNSH, KKM, LZH, XAN, LEM, GTA, YULB, H08S3, H08S2, H08S1, KSH, BSY, BTL, BTLS.

Table with columns for station code, name, frequency, and signal strength. Includes stations like HOQ, BRLS, BROS, JOW, DL2, ARQI, SONM, SOHO, ULN, MDH, UOSS, HATD, ASHO, ALNE, NAZ, ASUD, AJN, ZAK, DOK, WHFO, TJN, MZWR, MZR, KURBB, KURK, KSAR, KSRS, GHWR, JRN, JNU, BRZS, ZAAO, ZALV, ZALV, CN2, BVAR, BRVK, MBWA.

24d 21h

Table with columns for station name, frequency, power, and signal strength. Includes stations like MBWA, SAUI, ROCAM, KBD, AB31, ABKAR, etc.

2019 MAY

Table with columns for station name, frequency, power, and signal strength. Includes stations like LABN, ASF, ERBR, GAZ, ASAR, etc.

1364

Table with columns for station name, frequency, power, and signal strength. Includes stations like AKKB, KIEV, MBAR, ALN, VRI, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like SRO, KTK1, KTK1, MAUC, STEB, etc.

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

Table with columns for station name, frequency, mode, and signal strength. Includes stations like MSSA, KASTN, LBTB, LBTB, etc.

Table with columns: IZUF, Urewera, 0.73 183, P, Pg, 21 48 05.9 +0.0, comp=Z,2.6nm,0.8s,baz=40,slow=7.8,SNR=3.7

Table with columns: KURBB, Kurchatov Arra, 68.22 338, P, P, 22 03 16.3 -0.2, comp=Z,2.6nm,0.8s

Table with columns: EIDS, Eidsvold, 17.88 251, Pn, Pn, 22 13 19.9 +0.6, comp=Z,200nm,19.2s,baz=60,slow=34

IDC 24 21:52:15.0.0.6, 10.98Sx112.42E, h0km, mb4.1/16, mbtmp4.1/18, ML4.0/2, MS2.7/1, Error ellipse: s-maj=24.5km s-min=14.1km az=60.0

IDC 24 22:01:27.3e.1.0, 6.93S; 145.11E, h0km, mb3.9/8, mbtmp4.0/11, ML3.7/2, MS3.2/2, Error ellipse: s-maj=30.2km s-min=20.5km az=76.0

IDC 24 22:01:32.6.0.9, 7.05S; 0.1.145.0E:0.1, h35km, n12, a095/12, mb3.9/8, Near south coast of New Guinea

IDC 24 21:52:15.8.0.5, 11.17S; 0.06:112.35E:0.06, h10km, n70, a125/58, mb4.4/21, South of Java

IDC 24 22:09:14.9.0.2, 20.57S; 169.82E, h107km, mb5.1/14, Error ellipse: s-maj=10.2km s-min=9.9km az=25.8

IDC 24 22:09:16.9.20.1S; 170.30E, h128km, mb4.8/18, mb4.9/52

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

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

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

24d 22h

2019 MAY

Table with columns: STKA, comp-Z, 4.2nm, 0.7s, baz=86, slow=13, SNR=10, P, P, 22 18 08.6 +0.3, etc.

Table with columns: MAJO, Matsushiro, 64.19 332, P, Iamb, P, 22 19 39.6 +0.1, etc.

Table with columns: TNCH, TengChong, 82.78 300, P, P, 22 21 28.3 -0.5, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, and Power. Rows include stations like 1H6K, CMB, RC01, SUA, AFDM, F14K, ELS, J18K, SNA, SNAA, SNAA, YBH, ISA, ESJX, ULN, ULN, YAK, G16K, K20K, H17K, L04D, BILL, VNA3, GTA, YUH, PFO, PFO, MPK, WAKR, SONM, SONM, SONM, VNA2, G17K, H18K, CAST, GSC, VNA1, DSP, J20K, PAHR, RYN, NVAR, NVAR, NV11, GWY, F17K, GMN, H19K, N25K, H04A, E17K, H20K, MCK, MCARA, G19K, PINE, TPNV, S31K, U33K, CTG, D17K, E16K, F19K, O28M, V12A, P29M, M26K, S11A, O29M, WVOR, C17K, I23K, YUK8, P13C, W15A, HDA.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, and Power. Rows include stations like M27K, M27K, F20K, H22K, I07A, G21K, E19K, YUK3, RIDG, I2AR, I2AR, I2AR, J08A, SKAG, YUKA, HYK, SCRR, L27K, J25K, F21K, ZAK, D19K, H24K, G08A, O30N, E20K, N30M, J60L, C19K, P32M, K27K, S34M, F22K, M29M, M29M, TUC, TUC, TUC, LCMT, D20K, D20K, SPR3, Q32M, WHY, ELK, N31M, N31M, E21K, E22K, I26K, L29M, L29M, P33M, DLBC, C21K, DAWY, WUAZ, R33M, R33M, F24K, D22K, D22K, E23K, B21K, I27K, I24K, K29M, EVN, M31M, TOLK, D23K, F25K, G26K, G26K, I28M, H27K, D24K, F26K, B22K, I29M, G27K, C23K, C24K.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, and Power. Rows include stations like I30M, H29M, MMPY, D25K, TOAD, E27K, G29M, EPYK, C27K, H31M, G30M, G30M, E28M, D27M, MNTX, F30M, G31M, ANMO, ANMO, TX31, TXAR, TXAR, PDAR, PLCA, S22A, INK, WMQ, C36M, YKA, YKA, YKA, MKAR, MKAR, ZALV, KURBB, KURBB, BVAR, BRVK, BRVK, TKL, ARTI, ARTI, ARTI, SUR, NEEM, BOSA, SPITS, LBTB, KIRV, DAG, ILMU, ILLU, SCHQ, DBG, ARCES, KLMR, KLMR, AKT, BDFB, RAYN, KBZ, OBN, OBN, TSMbe, FINES, FINES, MDP, NB2, NOA, AKASO, AKASO, HFS, AK13, IMAI, BRTR, BRTR, BRTR, BR104, BR105, LUBAR, RNPS, RNPS, KWP, KOLS, STHS, STHS, OJCW, NIE, LANS, LANS, KPL.

24d 22h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include BSEB Bad Segeberg, STEB Stebo, GZR Gura Zlata, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Rows include IGLA Glangowia, BRY Bratogost, DSB Dublin, etc.

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

Vertical text block containing station identifiers and coordinates: IDC 22:34:03.02, 4.2, 86N; mb4.2/27, mbmp4.3/38, ML4.4/9, MS3.4/27, Error ellipse: s-maj=8.1km s-min=5.5km az=175.0

Vertical text block containing station identifiers and coordinates: BUJR Buynaks, BUJR Karany, BUJR Karany, etc.

Vertical text block containing station identifiers and coordinates: BUJR Karany, BUJR Karany, BUJR Karany, etc.

Vertical text block containing station identifiers and coordinates: BUJR Karany, BUJR Karany, BUJR Karany, etc.

Vertical text block containing station identifiers and coordinates: BUJR Karany, BUJR Karany, BUJR Karany, etc.

Vertical text block containing station identifiers and coordinates: BUJR Karany, BUJR Karany, BUJR Karany, etc.

24d 22h

Table with columns for station name, frequency, power, and signal quality. Includes stations like MDH Madha, NAZ Nazwa, ARSB Arslanbob, FNA Florida, SUW Suwalki, etc.

2019 MAY

Table with columns for station name, frequency, power, and signal quality. Includes stations like KSH Kraljicko, KRCLC Kraljicko, VRAC Vranov, RONA Rosalia, KRUC Moravsky, etc.

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Table with columns for station name, frequency, power, and signal quality. Includes stations like VAF Ylistaro, AQU L'Aquila, ABTA Abfaltersbach, NKC Novy Kostel, CMO Cimolais, etc.

Table listing stations from ESDC to H23K, including station names, coordinates, and seismic data.

Table listing stations from H23K to ARCS, including station names, coordinates, and seismic data.

Table listing station details for WEL 24 23:13:18, including station names, coordinates, and seismic data.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, Time, Res, ISC. Includes stations like DGPUR DIGLIPUR, CMBY CAMPBELL BAY, LHMI Lhok Sumawe, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, Time, Res, ISC. Includes stations like ASAR comp=2.9nm,0.6s, ASAF comp=2.9nm,0.6s, EIL Elat, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, Time, Res, ISC. Includes stations like ARHZ Aropoanui, WIAZ Waitheke Island, MBZ Motuapu North, etc.

MDD 25 00:30:06.9±0.9, 28:07N×16:44W, h16km, 35km, mb_Lg0.5, Error ellipse: s-maj=15.0km s-min=13.4km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, Time, Res, ISC. Includes stations like CTFS San Miguel de, MACI Morro de la Ar, CCAN Las Canadas, etc.

RSNC 25 00:55:56.0±0.7, N1°7'3W, h150km, 2km, M2.3, mb3.5, M2.1, MLV2.7, Northern Colombia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, Time, Res, ISC. Includes stations like BARC Barichara, BRUC Barrancabermeje, PAMC Pamplona, etc.

UPA 25 01:30:49.5±1.8, 8:95N-82:83W, h6km, 4km, MW3.6, Fault plane solution: NP1, 1-162, 00000°

UCR 25 01:30:50.2±1.0, 8:93N-82:83W, h16km, 2km, MW3.7, CATA3 25 01:30:50.4±0.3, 9°N, 2°8'3W, h7km, 2km, MS3.9/13, MLV3.9/13, Error ellipse: s-maj=5.1km s-min=4.2km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, Time, Res, ISC. Includes stations like ALCO Alturas Coton, ALCO, SCLRA Santa Clara, etc.

Table with columns: ICANO, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Manzanara, Boque, FIMO, DRKO, BURE, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like URIC, CRUC, MCQV, JACV, etc.

Table with columns: APE, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Apeiranthos, Zeytinokoy-Aydi, DNIZ, etc.

Table with columns: WEL, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like White Island S, White Island N, White Island E, etc.

Table with columns: ARG, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Arkhangelos, Karpathos, Mula-Dat'sha, etc.

Table with columns: TXNET, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Saragosa, Verhalen, Coyonosa, etc.

25d 3h

2019 MAY

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Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like J26L Joseph Creek, C27K Jago River, KAIM Kayak Island, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like FARO Faro, Yukon, LZH Lanzhou, N32M Quiet Lake, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like TNCH, SPITS, BVAR, BRVK, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and Time. Includes stations like NIL Nilore, HWUT Hardware Ranch, S11A Rachel, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and Time. Includes stations like AKT comp=Z,15nm,1.0s, SCHO Schefferville, KIV Khabaz, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and Time. Includes stations like KRLC Kraliky, LANS Liptovska Anna, MORC Moravsky Berou, etc.

25d 3h

Table with columns for station name, frequency, power, and other technical details. Includes stations like GERES GERESE Array B, GERES GERESE Array B, GERES GERESE Array B, etc.

2019 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like RDO Rodopi, RUDO Rudo, SUES Sjenica, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like APC Apacha, KRRM Karymshinskiy, KRRM Karymshinskiy, etc.

IDC 25 03:33:38.4-1.9, 49:20N; 156°14E, h0km, mb3.8/10, mbtp3.8/12, ML3.5/2, Error ellipse: s-maj=49.3km

KRSC 25 03:33:40.7-2.4, 49:04N; 157°21E, h40km, mb26km, M14.1 SKHL 25 03:33:42.0-0.4, 49:16N; 156°10E, h37km, mb4.6/5 MOS 25 03:33:42.0-0.4, 49:16N; 156°10E, h37km, mb4.3/7, Error ellipse: s-maj=13.4km s-min=4.1km, k=80.0 NEIC 25 03:33:46.7-1.9, 49:3N; 156°2E, 0.2, h58km, 12km, mb4.3/18, Error ellipse: s-maj=26.9km s-min=14.0km az=132.0

ISC 25 03:33:43.6-0.7, 49:14N; 156°16E; 31E, 0.07, h34km, m137, a132/145, mb4.2/32, 5-3D, Kuril Islands

Table with columns for Code, Station Name, Frequency, Power, and other technical details. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EKA, BUR08, STEB, CLL, CLM, ZVC, KHC, GERES, GERS, PSA00, BRTR, ARSA, ARZA, SOKA, KBA, WATA, MOT, SOTA, PRED, DAVA, FETA, TSTA, T57A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IUG, IUG, KK31, MRKS, MRKS, AAK, AAK, TKM2.

SDD 25 03:55:13.1±2.5, 17.89N:71.80W, h23km, 40km, MD2.8, ML2.5, MW3.0. OSPL 25 03:55:16.9±2.0, 18.08N:71.62W, h21km, 17km, ML2.5, ISC 25 03:55:16.0±1.2, 18.07N:0.04:71.64W, 0.04, h16km, 9km, n11, 0.81/21, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LOBH, LODO1, PODR, PODR, LOVI, NEDR, NEDR, JIDR, PAPH, SDRR, REDR, BANI, BANI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR, PAU, ASAK, APAC, MTRV, RUS, DALN, GNL, KOK, AVH, UGLR, KRX, SDR, SPN, MKZ, KBTR.

NEIC 25 04:03:08.5±1.1, 17.64S:0.09:178.17W, 0.2, h545km, 11km, mb4.2/14, Error ellipse: s-maj=23.1km s-min=9.2km az=114.0. IDC 25 04:03:11.0±2.6, 17.81S:178.60W, h544km, 22km, mb3.0/5, mbtp3.9/6, Error ellipse: s-maj=117.2km s-min=27.2km az=156.0. ISC 25 04:03:08.4±0.8, 17.7S:0.2:178.2W:0.1, h550km, 27km, 0.71/23, mb4.1/13, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FUTU, MSVF, NIUE, ARMA, CTAO, TOO, STKA, HPAH, BBOO, WRB, WBO, WRA, AS31, ASAR, KNRA, FITZ, GSPA, TXAR, H2K, FYU.

NEIC 25 04:06:30.2±2.5, 6.98S:0.08:155.18E:0.10, h10km, 1km, mb4.4/12, Error ellipse: s-maj=16.9km s-min=12.0km az=63.0. IDC 25 04:06:30.8±0.6, 6.76S:154.72E, h0km, mb4.2/17, mbtp4.2/19, ML2.9/2, MS3.4/7, Error ellipse: s-maj=20.3km s-min=15.1km az=110.0. ISC 25 04:06:35.6±0.5, 6.94S:0.06:154.90E:0.08, h35km, n42, 0.19/41, mb4.2/22, MS3.3/5, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RABL, PMG, PMG, PATS, CTAO, DZM, WRB, WBR, WBE, WRA, MSVF, AS31, ASAR, ASAR, KNRA, STKA, FITZ, DAV, MOR, KSRS, KLR, PETK, CMAR, SONM, VNDA, GSPA, MKAR, ILAR, ZALV, K29M, K29M, BOOM, BUBB, NVAR, BVAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NVAR, BVAR, K29M, BOOM, BUBB, NVAR, BVAR, K29M, BOOM, BUBB, NVAR, BVAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YKA, NOA, GERES, EKA, BDFB.

IDC 25 04:25:51.4±1.5, 38.04S:95.44W, h0km, mb3.8/5, mbtp3.8/5, MS3.6/13, Error ellipse: s-maj=51.7km s-min=33.0km az=69.0, Southeast of Easter Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H03S2, H03S1, H03S3, H03N2, H03N3, LPZA, CPUP, ATAH, SIV, ROSC, JTS, SDV, QSPA, SNA, VNA, MDP, SJG, RCBR, TXAR, NVAR, PDAR.

NOU 25 04:50:05.8, 16.21S:177.90E, h0km, MLV4.7/6, Fiji Islands

IDC 25 04:50:08.0±0.7, 16.41S:177.74E, h0km, mb4.0/12, mbtp4.0/12, MS3.8/17, Error ellipse: s-maj=21.7km s-min=15.3km az=89.0. NEIC 25 04:50:10.9±2.2, 16.55S:0.05:177.6E:0.1, h10km, 1km, mb4.6/8, Error ellipse: s-maj=23.5km s-min=8.3km az=86.0. GCMT 25 04:50:11.9±0.3, 16.23S:0.02:177.76E:0.02, h22km, 2km, MV4.8/73, Moment Tensor Solution, s17:c19, s73,c88; Duration: 0 Moment tensor: Scale 1018N; Mw=0.4±0.16; Ms=0.7±0.13; Ms=0.18±; M=0.70±; M=1.59±; 0.7; Mw=0.78±; Best double couple: M1: 79700x10^16 Np1: 352.00000; 865.00000; 174.00000. NP2: 685.00000; 884.00000; 1.2500000. Principal axes: T 1.5280, P1g2.0000, Azm311.0000, N 0.5380, P1g6.0000, Azm97.0000, P -2.0660, P1g13.0000. Azm216.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 25 04:50:11.8±0.5, 16.47S:0.06:177.6E:0.1, h24km, n52, 0.1923/33, mb4.2/16, MS3.9/15, 4D, Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YSA, MSVF, MSVF, MSVF, DGTI, TAVE, LKBA, FUNA, DZM, HNR, URZ, URZ, RAR, RTZ, THZ, PPT, STKA, STKA, H11S2, H11S3, H11S1, WBO, WBO, WRA, ASAR, ASAR, VNDA, SBA, MJAR, KSRS, QSPA.

25d 5h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like QSPA South Pole Qui, KODAK Kodiak Island, LPIG La Paz, etc.

ISC 25 05:00:34.4, 2.4, 36.45N, 27.96E, h0km, mb3/6/4, mbtnp3,6/6, ML3, 1/2, Error ellipse: s-maj=58.2km s-min=21.5km az=173.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MSLB Milias, BDRM Bodrum, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DIDID Didim, YAZI Mula-Dat, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AYBD Zeytinli-Aydi, NAZL Nayin-Aydi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like IZMR zmir-demi, SABU Mula-Dalaman, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like FETY Fethiye, CAEL Denizli, CAME Camel-Denizli, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ELL Elmali, APE Apeiranthos, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KNT Kendrickon, MMA0B Mount Meron, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ESDC Soneza Array, KURBS Kurchoy Arra, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, K17K Itidarot, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like H11S2 WAKE ISLAND, H11S3 Ouan Island, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, RAR Rarotonga, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KWI Kappang, NAPI Narogin (SRO), etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CN2 Changchun, RKT Rokitka, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CHTO Ching Mt, PZH Panzhihua, etc.

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like CAST, H19K, G19K, F19K, etc.

BUJ 25 05:17:21.3, 27.46N-86.20E, h11km, mb4.7/8, mb4.5/30, M3.3, 6/9, M3.7, 6/10, IDC 25 05:17:21.0, 26.72N-86.40E, h0km, mb4.3/24, mtmtp4.3/27, ML4.2/3, MS3.4/6, Error ellipse: s-maj=18.3km s-min=12.9km az=141.0

MOS 25 05:17:22.0, 27.09N-86.36E, h16km, mb4.5/13, Error ellipse: s-maj=9.9km s-min=4.9km az=121.2, NEIC 25 05:17:24.3, 1.3, 27.65N-10.86E, 34E, 0.10, h10km, 1km, mb4.5/52, Error ellipse: s-maj=18.0km s-min=12.3km az=217.0

DMN 25 05:17:24.0, 0.0, 27.70N-86.50E, h10km, M15.0/6, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0, NDI 25 05:17:26.0, 0.7, 27.61N-86.34E, h9km, ML4.3, MW4.3, ISC 25 05:17:26.3, 1.3, 27.60N-0.04E, 86.39E, 0.03, h27km, 7km, n252, s163/271, mb4.5/70, MS3.5/6, 18C-23D, Nepal

Table with columns for Code, Station Name, Elevation, Frequency, and other technical details. Includes stations like GUN, RAMN, GKN, PYUN, LSA, etc.

Main table with columns for station name, elevation, frequency, and other technical details. Includes stations like ZIRO, ZIRO, AIZAWL, KOHIMA, IMPHAL, HANLEY, etc.

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like SONM, SONM, ULN, ULN, KULM, KULM, ZAK, ZAK, ZAAO, ZAAO, etc.

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

ASRS 25 06:05:24.5, 0.3, 47.1 N, 1.1 x 8.2 E, h4km, MLh3.7/4, Error ellipse: s-maj=4.8km s-min=2.5km az=111.3, confirmed

Main table for stations 1385-2500, including Makanchi, Karkuk, Baghdad, etc.

Table for stations 2501-3000, including Berezinski, ELT, TLR, etc.

IDC 25 06:11:09.1±1.7, 33.00N, 99.05E, h0km, mb3.8/2, mbtmp3.6/3, ML3.5/1, MS3.9/2, Error ellipse: s-maj=407.4km s-min=32.7km az=52.0, Sichuan

Table for stations 3001-3500, including Makanchi Array, Jayapura, Warramunga Arr, etc.

BUI 25 06:20:43.8, 35.31N, 140.51E, h45km, mb5.2/37, mb4.8/71, Ms6.6/74, Ms7.4/674

Main table for stations 3501-5000, including Makanchi Array, Warramunga Arr, ASAR, YKA, etc.

Main table for stations 5001-10000, including Kozu shima, SHZ3, SHK3, etc.

25d 6h

2019 MAY

1386

Table of flight data for the left column, including destinations like ASAJ, ASAH, AKA, SHO, TEY, etc., with columns for flight number, time, status, and other details.

Table of flight data for the middle column, including destinations like Beijing, Baijia, Suanglung, etc., with columns for flight number, time, status, and other details.

Table of flight data for the right column, including destinations like YAK, SONM, H1N2, BOD, SEY, etc., with columns for flight number, time, status, and other details.

Table with columns for station ID, name, coordinates, and status. Includes stations like USP, FRU1, RC01, H23K, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like F26K, ARK, C27K, DZA, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like I30M, O29M, HYT, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like SPITS, LIRD, DZM, etc.

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

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like AJN, Ajan, Namsos, etc.

Table of astronomical data for 25d 6h, including columns for object names (e.g., NVAR, HYA, RBK), coordinates, and various parameters.

Table of astronomical data for 2019 MAY, including columns for object names (e.g., SSSD, NIE, RAYN), coordinates, and various parameters.

Table of astronomical data for 1390, including columns for object names (e.g., ZVC, MPLH, GTTG), coordinates, and various parameters.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Bratogost, Abfalterbach, Inlch Island, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SNAEA Sanae, CZSB Cruzeiro do Sul, H03N2 Juan Fernandez, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NACB Ninganchiao, EAST Anshuo, CHNZ Minshing, etc.

25d 7h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like JIRB, DXSP, JMJJ, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like TPUB, WTP, OWD, etc.

1392

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like ROSC, ESDC, NNA, etc.

IDC 25 06:29.13.2.0.1, 2.3.2N.0.2.121.5E.0.7, h13km, 1km, M/V3.4/13, TAIWAN REGION

TAP 25 06:29.13.9.23.11N.121.39E, h20km, ML3.6, B, EDJ, ISC 25 06:29.13.5.0.9, 23.191E, 0.02, 121.48E.0.02, h25km, 4km, n5, r1510/161, 5C-7D, Taiwan

IDC 25 06:47:53.5.394.0, 19.18S, 90.71E, h0km, Error ellipse: s-maj=221.7km s-min=130.8km az=47.0, South Indian Ocean

IDC 25 07:24:53.4.3.1, 3.99N, 31.63W, h0km, mb3.7/8, mbmp3.7/8, MS3.6/48, Error ellipse: s-maj=95.6km s-min=27.8km az=173.0

ISC 25 07:24:55.0.2.6, 4.0N, 0.6, 31.6W, 0.2, h10km, n57, r1507/9, mb3.8/8, MS3.7/46, Central Mid-Atlantic Ridge

BUT 25 07:48:02.1±1.0, 45.86N, 0.02, 111.36W, 0.02, h5km, 5km, Error ellipse: s-maj=2.6km s-min=1.6km az=183.0

NEIC 25 07:48:01.5.1.1, 45.85N, 0.01, 111.36W, 0.02, h2km, 6km, ML2.4/40, ML2.6/13(BUT), Error ellipse: s-maj=2.3km s-min=1.1km az=123.0, Montana

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like RCBR, HBTS, B103, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like NQMA, Galtatin River, SXM, etc.

1393

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MCMT McKenzie Canyon, H17A Grant Village, BPMT Black Pine Rid, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

2019 MAY

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACDD Cuesta del Vie, ACCO Cerro Coronel, GO03 Copiapo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACDD Cuesta del Vie, ACCO Cerro Coronel, GO03 Copiapo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACDD Cuesta del Vie, ACCO Cerro Coronel, GO03 Copiapo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACDD Cuesta del Vie, ACCO Cerro Coronel, GO03 Copiapo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACDD Cuesta del Vie, ACCO Cerro Coronel, GO03 Copiapo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACDD Cuesta del Vie, ACCO Cerro Coronel, GO03 Copiapo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACDD Cuesta del Vie, ACCO Cerro Coronel, GO03 Copiapo, etc.

25d 8h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIUE Niue, TAVE Taveuni, AFI Afiamalu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIUE Niue, TAVE Taveuni, AFI Afiamalu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIUE Niue, TAVE Taveuni, AFI Afiamalu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIUE Niue, TAVE Taveuni, AFI Afiamalu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIUE Niue, TAVE Taveuni, AFI Afiamalu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIUE Niue, TAVE Taveuni, AFI Afiamalu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIUE Niue, TAVE Taveuni, AFI Afiamalu, etc.

25d 9h

s-min=2.6km az=164.8, confirmed
ISC 25 08:26:36.6, 0.8, 37.565, 0.03, 177.16E, 0.02, h8km, 5km,
n107, 0.15, 19.9, mb3.9J, MS3.5, 21, Off east coast of

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like WIZ White Island, WSRZ White Island S, WHRZ Whale Island, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like NADN Granada, SAPS Ciudad Sandino, etc.

WEL 25 08:45:07.2, 0.7, 37.52S, 177.12E, h8km, ML3.4, Mw3.5,
Moment Tensor Solution, s5 Moment tensor: Scale 10^14
Nm; Mn:-0.41; Mw:1.77; Mw:2.19; Mw:0.19; Mw:1.14; NP1:
Mw:0.32; Fault plane solution: M2.57000x10^14 1P1:
e:65.00000, l:87.00000, l:6.00000. NP2: 3.34, 0.00000,
delta, 0.00000, l:177.00000. Principal axes: T, 2.7970,
Plg6.0000, Azm290.0000; N, -2.3440, Plg83.0000,
Azm91.0000; P, -0.4530, Plg2.0000, Azm199.0000;

WEL 25 08:45:07.0, 0.6, 38.5S, 177.7E, h5km, M3.4/31,
ML3.8/18, MLv3.4/31, Error ellipse: s-maj=6.4km,
s-min=3.0km az=179.2, confirmed, Off east coast of

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like WSRZ White Island S, WIZ White Island, etc.

IDC 25 08:45:15.9, 1.9, 5.83N, 125.99E, h0km, mb3.5/4,
mbtmp3.5/4, Error ellipse: s-maj=173.5km
s-min=22.1km az=66.0, Mindanao

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

GII 25 08:50:45.0, 0.0, 30.790N, 0.002:35.282E, 0.001, h20km,
Mw2.4/9, confirmed
JSD 25 08:50:45.1, 0.0, 31.1N, 2.3E, h18km, 2km, M2.6/17
M3.3/17, Mjma2, 7.16, ML2.6/17, MLV2.6/17

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like HZVA Hazeva, HZVA Neot Hakikar, etc.

1394

Table with columns: YTVT Yotvata, YTVT Elifaz, YTVT Mt Berech, etc. Lists stations and their coordinates.

WEL 25 08:52:30.0, 0.6, 38.5S, 177.7E, h5km, M2.1/12,
ML3.5/12, MLv2.1/12, Error ellipse: s-maj=6.0km
s-min=5.4km az=1.1, confirmed, Off east coast of North

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like WSRZ White Island, WIZ White Island S, etc.

WEL 25 08:53:17.0, 0.37, 51S, 177.14E, h6km, ML3.4, Mw3.7,
Moment Tensor Solution, s6 Moment tensor: Scale 10^14
Nm; Mn:-2.98; Mw:0.76; Mw:3.74; Mw:-1.09; Mw:1.82;
Mw:-1.39; Fault plane solution: M3.44000x10^14 NP1:
e:39.00000, l:58.00000, l:-72.00000. NP2: 1.87, 0.00000,
delta, 0.00000, l:-117.00000. Principal axes: T, 5.4480,
Plg11.0000, Azm116.0000; N, -2.0090, Plg15.0000,
Azm209.0000; P, -3.4390, Plg71.0000, Azm351.0000;

WEL 25 08:53:17.0, 0.5, 38.5S, 177.7E, h8km, M3.4/32,
ML3.8/18, MLv3.4/32, Error ellipse: s-maj=5.3km
s-min=5.2km az=11.1, confirmed, Off east coast of

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like WSRZ White Island S, WIZ White Island, etc.

IDC 25 09:06:12.8, 10.0, 34.91N, 70.63E, h0km, mb3.7/4,
mbtmp3.7/6, ML3.1/2, Error ellipse: s-maj=184.8km
s-min=41.2km az=152.2

ISC 25 09:06:47.4, 2.6, 36.8N, 02.70E, h20km, n10,
s122/11, mb3.4/3, 1D, Hindu Kush region

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

BUC 25 09:12:56.3-0.2,45.48N-26.35E,h123km,1km,m13.7/55, Error ellipse: s-maj=1.2km s-min=1.1km az=15.0

SOF 25 09:12:56.9,45.40N,0.20-26.41E,0.01,h118km,4km, MD3.8/2

ISC 25 09:12:55.9,1.3,45.48N,0.03-26.35E,0.03,h129km,7km, n72, n057/113,54C-45D, Romania

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time (h:m:s), Res (h:m:s), ISC. Lists stations like NEHR, BISRR, BISRRI, etc.

NET 25 09:29:17.9-0.7,14.13N-91.56W,h13km,456km,ML3,4 GCG 25 09:29:17.4-1.6,13.98N-91.74W,h39km,70km,MD4.1, MW3.3

CATAC 25 09:29:17.2-0.6,14.1N-3.92W,h20km,4km,M3.5/21, MLv3.5/21, Error ellipse: s-maj=7.6km s-min=4.6km az=54.0, confirmed

ISC 25 09:29:15.6-2.1,13.85N,0.08-91.71W,0.07,h16km,13km, n47, n164/56, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time (h:m:s), Res (h:m:s), ISC. Lists stations like RTAL, STGB, ESVG, etc.

Table with columns: NUBE, Station Name, Az, Phase ID, Op, ISC, Time (h:m:s), Res (h:m:s), ISC. Lists stations like Las Nubes, Alcaldia de Sa, etc.

PRE 25 09:36:37.9-1.0,27.04S-26.61E,h2km,ML2,9 BGS1 25 09:36:41.1-0.9,27.31S-26.80E,h44km,26km,ML2,9

ISC 25 09:36:38.7-1.3,27.07S-26.62E,0.03,h8km,10km, n28, n16/52, South Africa

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time (h:m:s), Res (h:m:s), ISC. Lists stations like PRYS, WDLM, SWZ, etc.

Table with columns: I43RU, DUBNA INFRASONO, b, B, I, I, I, 10 51 40.0

IDC 25 09:49:53.2-1.1, 6.26S, 132.10E, h0km, mb3.8/6, mbtmp4.0/11, ML4.1/4, MS3.1/2, Error ellipse: s-maj=32.5km s-min=23.8km az=79.0

ISC 25 09:49:58.7-0.6, 6.28S, 0.05-132.16E, 0.08, h46km, n27, n297/29, mb3.7/6, Tanimbar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time (h:m:s), Res (h:m:s), ISC. Lists stations like BNDI, FAKI, DRS, etc.

QIS Mount Isa 15.92 154 P P 09 53 41.4 +1.6

MTSU Mount Surprise 16.71 136 P P 09 53 51.9 +0.3

ASAR Alice Springs 17.36 175 P P 09 53 57.5 -0.4

ASAR 4.9m, 1.0s, baz=358, slow=26, SNR=7.6

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time (h:m:s), Res (h:m:s), ISC. Lists stations like OOD, FORT, LCRK, etc.

RSNC 25 09:50:16.5-0.4, 4.3S, 78W, h0km, M3.8, mb4.8, mb4.5, ML3.4, Mw(mb)4.0, Northern Peru

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time (h:m:s), Res (h:m:s), ISC. Lists stations like MCRA, COHC, COHC, etc.

SOME 25 09:56:58.2, 39.60N-69.33E, h10km NNC 25 09:57:01.7-4.0, 39.98N-67.92E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=36.2km s-min=24.2km az=144.0

ISU 25 09:57:02, 39.76N-67.98E, h20km ISC 25 09:57:01.3-1.2, 39.80N-0.04-67.91E, 0.05, h3km, 11km, n19, n131/19, 2C-1D, Southeastern Uzbekistan

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time (h:m:s), Res (h:m:s), ISC. Lists stations like BXML, DZI, AGL, etc.

IDC 25 10:01:21.7-0.8, 32.68N-85.62E, h0km, mb3.7/11, mbtmp3.7/14, ML2.9/2, MS3.4/20, Error ellipse: s-maj=30.1km s-min=17.0km az=60.0

ISC 25 10:01:26.9-0.8, 32.7N-85.7E, 0.2, h35km, n32, n1923/15, mb3.7/11, MS3.4/17, Xizang

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time Res, ISC. Rows include KURBS Kurchatov Arra, SOTA Sankt Quirin, MOTA Moosalm, FETA Feichten, RAO Raoul Island, etc.

Table with columns: RAO, Raoul Island, Az, El, P, Pn, Time Res, ISC. Rows include RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

Table with columns: GEXS, Deakin Unvers, Az, El, P, P, Time Res, ISC. Rows include GEXS Deakin Unvers, CORO Coronation Park, RAR Rarotonga, etc.

25d 10h

Table with columns for station code, name, frequency, and signal strength. Includes stations like KLBK Kellerberin, WSI Waingapu, NWAO Narogin (SRO), etc.

2019 MAY

Table with columns for station code, name, frequency, and signal strength. Includes stations like ASAJ comp=Z,29nm,0.8s, T.JN Taejon, S.SSE Sheshan, etc.

1398

Table with columns for station code, name, frequency, and signal strength. Includes stations like GYA GYA, UNV Unalaska Valle, KLR Kuldur, etc.

Table with columns for station ID, name, coordinates, and other details. Includes stations like ZEA, R16K, TNCH, etc.

Table with columns for station ID, name, coordinates, and other details. Includes stations like L18K, J16K, K17K, etc.

Table with columns for station ID, name, coordinates, and other details. Includes stations like PMR, H17K, K20K, etc.

25d 10h

Table with columns: Station ID, Name, Date, Time, Status, Direction, and Value. Includes stations like GWY Greenwater Val, I21K Tanana, E18K Tukpalearik C, etc.

2019 MAY

Table with columns: Station ID, Name, Date, Time, Status, Direction, and Value. Includes stations like PG2 Sidney, H23K Yukon River, V12A Nelson, etc.

1400

Table with columns: Station ID, Name, Date, Time, Status, Direction, and Value. Includes stations like LLLB Lillooet, TUC Tucson, M001 Puerto William, etc.

Table with columns for station name, frequency, and signal quality. Includes stations like BRIS, OPPE, PCP, MILN, IMOL, RUFU, ZONE, LMD, BALD, MDI, MBAL, MAGA, QLNO, ROTM, ROVR, OSSC, and VARE.

Table with columns for station name, frequency, and signal quality. Includes stations like OSSC, MARN, TEOL, CANO, SFI, VARA, ASQU, RONC, RORO, LUSI, DOSS, MABI, MUGIO, and VARE.

Table with columns for station name, frequency, and signal quality. Includes stations like VARE, MONC, GAGG, GBOS, MORSI, IMI, RIBO, PANI, SSP9, CPGN, CGRP, CAFI, PIAF, CTI, and CARE.

Table with columns: Station Name, Comp, Az, El, P, AML, Pn, Sn, Time, Res, ICS. Includes stations like TRI Trieste, ZOU Zouplian, SABO M.te Sabotino, etc.

Table with columns: Station Name, Comp, Az, El, P, AML, Pn, Sn, Time, Res, ICS. Includes stations like WALHA, SULZ, GIMEL, LESA, KBA, etc.

Table with columns: Station Name, Comp, Az, El, P, AML, Pn, Sn, Time, Res, ICS. Includes stations like MANZ, ZVZ, TCF, HYF, etc.

IDC 25 10:54:55.01, 2.5, 2735x179.60W, h0km, mb3.8/4, mbmt3.8/4, Error ellipse: s-maj=51.8km s-min=33.6km az=170.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res, ICS. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, etc.

CATAC 25 10:58:04.4, 0.4, 13°N, 2.2x8°9'W, h31km, 3km, M4.0/33, Error ellipse: s-maj=5.6km s-min=1.7km az=28.5, confirmed

SNET 25 10:58:06.5, 3.2, 12°39'N, 88°48'W, h52km, ML3.9, GCG 25 10:58:06.4, 0.7, 12°89'N, 88°67'W, h26km, 171km, MD4.4

ISC 25 10:58:03.2, 1.4, 12.69N, 0.05, 88.59W, 0.03, h27km, 13km, n86, c0559/99, 11C-16D, Off coast of central America

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res, ICS. Includes stations like ALJI, RANC, PACA, etc.

Table with columns: UNIC, Universidad Ca, 1.59 324 S, Sn, 10 58 49.3 -0.1, region, Code, Station Name, Delta, AZ, Phase ID, Time Res, h m s I, ISC. Includes stations like NUBE Las Nubes, QUEN AI S del Volca, HERN Volcan Telica, etc.

IDC 25 11:04:21.5;2.1, 11.94N;126.21E, h0km, mb3.8/7, mbtmp3.8/7, Error ellipse: s-maj=192.6km s-min=19.9km az=67.0

ISC 25 11:04:22.0;3.12,22N;05.127E, h10km, n7, c=083/7, mb4.0/7, Philippine Islands region

Table with columns: Code, Station Name, Delta, AZ, Phase ID, Time Res, h m s I, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam, etc.

SOME 25 11:07:59.4, 40'48N;81'37E, h10km, NNC 25 11:08:01.5;1.0, 40'56N;81'30E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=8.3km s-min=6.5km az=64.0

ISC 25 11:07:56.2;2.8, 40.5N;01.8150E;0.09, h10km, n18, c=250/23, 4C-1D, Southern Xinjiang

Table with columns: Code, Station Name, Delta, AZ, Phase ID, Time Res, h m s I, ISC. Includes stations like SHLS Shalkode, PDGK Podgomoye, UZB Uzunbulak, SATY Saty, etc.

SJA 25 11:23:43.0;8.2, 21.14S;69.17W, h124km, 3km, ML4.1, MV4.0

IDC 25 11:23:45.0;2.7, 21.10S;68.73W, h15km, 25km, mb3.9/7, mbtmp4.3/10, Error ellipse: s-maj=23.2km s-min=17.2km az=104.0

NEIC 25 11:23:44.4;1.3, 21.12S;01.04;69.03W;0.08, h19km, 6km, mb4.0/9, ML4.1=84.0, Error ellipse: s-maj=1.1km s-min=5.7km az=78.0

GUC 25 11:23:45.6;0.9, 21.14S;68.98W, h10km, 5km, ML4.1 VAO 25 11:23:55.6;1.6, 20.42S;68.10W, h15km, 7km, mb4.6

ISC 25 11:23:43.6;0.6, 21.17S;00.3;68.94W;0.05, h19km, 6km, n93, c=1946/115, mb4.28, 5C-1D, Chile-Bolivia border

Main table with columns: Code, Station Name, Delta, AZ, Phase ID, Time Res, h m s I, ISC. Contains numerous station entries across the globe, including IPOC stations, various regional arrays, and individual stations like WRA, MKAR, ZALV, etc.

Table with columns: Code, Station Name, Delta, AZ, Phase ID, Time Res, h m s I, ISC. Includes stations like RCBR Riachuelo, TXAR Lajitas Array, SNAAs Sanas, etc.

JAP 25 11:24:45.6;24.93N;122.06E, h123km, ML3.4, C TAO 25 11:24:46.1;0.1, 24.93N;0.6;122.0E;0.3, h121km, 1km, IMV2.6/15, TAIWAN REGION

ISC 25 11:24:46.0;1.4, 24.92N;0.04;122.02E;0.03, h122km, 6km, n106, c=0970/189, Taiwan region

Table with columns: Code, Station Name, Delta, AZ, Phase ID, Time Res, h m s I, ISC. Includes stations like TWB1 Santiao Chiao, EGS EGS, TWPB Shuangxi, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SS LB Suanglung, HGS D Ruisui, EHY Hungye, WNT Mingjian, WJS Zhushan, etc.

WEL 25 11:33:58.6-0.6,33°S-4°17'9"W, h12km, M3.9/7, mB4.6/4, ML4.3/1, MLv3.9/7, Mw(MB)3.8/4, Error ellipse: s-maj=12.0km s-min=4.0km az=109.5, confirmed, South of Kermadec Islands

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GLKZ Green Lake, MXZ Matakaoa Point, PKGZ Pakihiroa, etc.

DJA 25 12:10:00.7 ± 1.4, 0°N, 4°12'6"E, h16km, 13km, M3.6/10, mb3.7/2, MLv3.6/10, Northern Molucca Sea

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like TNTI Ternate, KMSI Cibinong, SANI Sanana, etc.

IDC 25 12:11:07.2-2.6, 4.99S-133°40'E, h0km, mb3.5/1, mbtmp3.6/4, ML3.7/3, Error ellipse: s-maj=84.9km s-min=17.8km az=82.0, Irian Jaya region

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

IDC 25 12:13:26.8-3.9, 39°55N-26°57'E, h0km, mbtmp3.3/3, ML3.1/3, Error ellipse: s-maj=57.6km s-min=17.6km az=20.0, SOF 25 12:13:31.3, 40°38N-0°03'27.24E-0.02, h8km, 3km,

MD4.3/13 ISK 25 12:13:35.0, 40°57'N-27°12'E, h16km, ML4.2/47 AFAD 25 12:13:35.1, 40°52'N-27°09'E, h10km, 4km, MW3.9 BEO 25 12:13:36.6-0.8, 40°71'N-27°10'E, h0km, ML4.1/13 ATH 25 12:13:37.8, 40°54'N-26°99'E, h2km, 2km, ML3.8/18, Manual Solution by A.Agalos First location: 2019/05/25 12:14:46, This location: 2019/05/26 03:45:48 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 3 km; Longitude uncertainty: 5 km THE 25 12:13:37.6, 41°N-2°27'E, h33km, 8km, M3.8/24, MLh3.8/24

CFUGS 25 12:13:42.1, 40°74'N-27°86'E, h15km, mb3.5/6, Sea of Marmara Magtype MSH 3.4 from 6 stations ISC 25 12:13:35.5-0.9, 40°58N-0°01'27.13E-0.01, h18km, 3km, n260, r132/349, 22C-14D, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like RKY Sarkoy-Tekirda, SART Tekirdag, KRBB Karabiga-Canak, etc.

BAND Balkesir-Ban 0.78 106 P S Pg Sg 12 13 50.0 -0.6 12 13 58.8 -2.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BAND Balkesir-Ban, ALN Alexandroupoli, ECEA Canakkale, Ece, etc.

BKES Balkesir-Mer 1.05 144 P S Pb S 12 13 55.4 +0.3 12 14 08.6 +0.2

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SLVT Silivri, BUHA Balikesir, BUHA, etc.

VBZ Vize 1.14 28 P S Pb S 12 13 56.8 +0.3 12 14 09.1 -2.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ELBA Catalca, KIRK Kirkkareli, KIRK, etc.

EDRB Edirne 1.30 347 P S Pn 12 13 59.0 +0.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like EDRB Edirne, ARMN Kirkkareli, Me, ARMN, etc.

KOCA Canakkale, Ayv 1.32 215 P S Pb S 12 13 59.8 +0.2 12 14 16.0 -0.2

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ARMT Armutlu, RDO Rodhopi, RDO, etc.

ORLT Orhaneli 1.46 111 Pn Pn 12 14 01.8 +0.9 12 14 00.9 0.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PRK Parasmaniya, PRK Saraskevi, PRK, etc.

ULDT Uludag 1.60 105 P S Pg S 12 14 06.0 +0.3 12 14 23.6 -0.3

IZMD Izmir-Dikili 1.60 185 P S Pb S 12 14 04.4 -0.1 12 14 22.4 -0.8

ZEDA Zere-Bergama 1.61 181 P S Pb S 12 14 04.8 +0.1 12 14 23.0 -0.3

IGD Bursa 1.62 101 P Pn 12 14 02.8 -0.2 12 14 04.2 +0.2

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

THAS Thassos island 1.83 272 P S Pb S 12 14 06.0 0.0 12 14 05.2 +0.8

OSMT Osmaniye 1.96 89 Pn Pn 12 14 08.2 +0.3 12 14 08.9 -1.0

GOMA Gollumara-Mass 1.97 162 Pn Pn 12 14 08.4 +0.5 12 14 12.7 -1.0

KARB zmir-Karabur 1.99 196 P S Pb S 12 14 34.2 +1.5 12 14 34.2 +1.5

SILT Site 1.99 72 Pn Pn 12 14 08.9 +0.6 12 14 10.3 -0.9

SEMS Kocaeli-Kifre 2.01 81 P S Pb S 12 14 35.8 +0.1 12 14 32.8 -0.2

SEMS 2.01 81 P S Pb S 12 14 32.8 -0.2 12 14 44.0

KAVA Kavala 2.03 283 P S Pn 12 14 09.5 +0.8 12 14 03.0 -0.6

SIMA Simav-Kutahya 2.07 136 Pn Pn 12 14 09.9 +0.5 12 14 13.3 +0.7

EMET 2.07 125 S S Pb S 12 14 37.8 -0.2 12 14 43.0

EMET 2.07 125 S S Pb S 12 14 37.8 -0.2 12 14 43.0

CAVI Kavuskoj 2.11 99 Pn Pn 12 14 10.3 +0.4 12 14 10.6 +0.7

BILE Bilecik-Osmame 2.13 92 P S Pb S 12 14 14.5 +0.8 12 14 40.8 +0.9

BILE 2.13 92 P S Pb S 12 14 14.5 +0.8 12 14 40.8 +0.9

Table with columns: Station Name, Class, Position, Azimuth, Elevation, SNR, etc. Includes stations like AUBOZ, GDZ, MANT, USAK, PLD, etc.

Table with columns: Station Name, Class, Position, Azimuth, Elevation, SNR, etc. Includes stations like VOIR, ODBI, SELS, PLOS, etc.

Table with columns: Station Name, Class, Position, Azimuth, Elevation, SNR, etc. Includes stations like ARMA Armidale, ARMA, EIDS, etc.

Table with columns: Code, Station Name, Class, Position, Azimuth, Elevation, SNR, etc. Includes stations like SHLS, PDGK, ARXS, etc.

Table with columns: SMCA, Catarina, 0.43 92 eP, Pn, 12 45 07.4 +1.3, etc.

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

Table with columns: PLCA, comp=Z, 1.9nm, 0.9s, baz=321, slow=12, SNR=5.3, etc.

WEL 25 12:51:59.1, 37.50S, 177.156E, h5km, ML3.6, Mw3.9, Moment Tensor Solution...

WEL 25 12:51:59.2, 0.7, 38.5S, 177.7E, h5km, M3.8/14, ML4.1/14, MLv3.8/14...

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.

Table with columns: PLCA, comp=Z, 2.0nm, 0.7s, baz=338, slow=3.1, SNR=3.7, etc.

WEL 25 12:52:54.7, 0.5, 38.3S, 177.7E, h5km, M3.3/7, ML3.7/10, MLv3.3/7...

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.

Table with columns: PLCA, comp=Z, 1.9nm, 0.9s, baz=321, slow=12, SNR=5.3, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Rows include WESE West Dahl East, ISLZ Isanotski Laza, SSSL Shishaldin Sou, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Rows include SOM Sequim, GMM Gold Mountain, GMMW Kitsap County, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Rows include WSRZ White Island S, WIZ White Island, WHRZ White Island, etc.

IDC 25 13:44:10.4, 7.2, 5.83N; 124.77E, h34km, 64km, mb3.4/6, mbtmp3.6/6, MS2.9/2, Error ellipse: s-maj=76.2km

ISC 25 13:44:12.3, 1.0, 5.8N; 0.1, 124.8E; 0.2, h50km, n9, c#0877, mb3.5/6, Mindanao

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Rows include DAV Davao City (W), KAP Kappang, LEM Lembang, FITZ Fitzroy Crossi, etc.

IDC 25 13:46:52.8, 1.1, 6.85S; 145.10E, h0km, mb3.8/8, mbtmp3.8/11, ML3.6/2, Error ellipse: s-maj=30.4km

ISC 25 13:46:58.0, 0.9, 7.05S; 0.1, 145.1E; 0.1, h35km, n11, c#1071, mb3.8/8, Near south coast of New Guinea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Rows include PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

PNSN 25 13:44:24.2, 47.67N; 123.55W, h-1km, MD2.7, Fault plane solution: NP 1, P, 45.00000, S, 89.00000, A, 20.00000

SEA 25 13:44:24.2, 1.6, 47.67N; 0.01, 123.55W; 0.01, h-1km, 7km, ML2.7/26, ML2.6/44(NEIC), Error ellipse: s-maj=1.6km

NEIC 25 13:44:24.2, 1.1, 47.876N; 0.010, 123.54W; 0.01, h10km, 1km, Error ellipse: s-maj=2.4km s-min=1.7km az=280.0, Washington

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Rows include OSD Olympics-Snow, QLD Olympics-Lake, HDW Hoopdsport, etc.

IDC 25 14:29:32.8, 37.54S; 177.17E, h10km, ML3.4, Mw3.5, Moment Tensor Solution, 54 Moment tensor, Scale 10^14

Nm; Mn=0.22; Mw=0.11; Ms=0.11; Me=0.41; Mb=2.04;

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Rows include PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

WEL 25 14:29:33.0, 0.5, 38.5S; 3.177E; 0.1, h5km, M3.4/10, ML3.6/12, MLv3.4/10, Error ellipse: s-maj=5.1km

s-min=3.3km az=139.0, confirmed, Off east coast of North Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Rows include WIZ White Island, WPS White Island S, WCRS Whaitere, etc.

NEIC 25 14:33:23.4, 1.4, 8.6N; 0.1, 93.5E; 0.2, h10km, 5km, mb4.4/18, Error ellipse: s-maj=27.3km s-min=11.2km az=54.0

NDI 25 14:33:28.7, 2.5, 8.50N; 93.50E, h15km, 16km, mb4.2, ML4.2, MW4.3

IDC 25 14:33:29.3, 2.8, 8.90N; 93.79E, h49km, 26km, mb3.6/18, mbtmp3.9/20, ML3.6/2, MS3.2/13, Error ellipse: s-maj=20.4km s-min=13.3km az=58.0

ISC 25 14:33:22.8, 0.4, 8.52N; 0.05, 93.52E; 0.06, h10km, n76, c#239711, mb4.0/27, MS3.1/11, Nicobar Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Rows include CMBY CAMPBELL BAY, DGPR DIGLIPUR, LHMI Likiep, etc.

25d 14h

Table of station data for 25d 14h, including station names, coordinates, and various parameters like SNR and error rates.

2019 MAY

Main table of station data for 2019 MAY, listing stations like TORO, ILAR, NVAR, etc., with detailed coordinates and parameters.

1412

Table of station data for 1412, including stations like TKGZ, RTZ, HRRZ, etc., with coordinates and parameters.

25/15h

Table of meteorological data for 25/15h, including POPC, FLOC, BBAC, CRUC, BCIP, CACAO, GMAIL, OTAV, PRVC, OCHA, LCR2, HDC, TBGT, TBTG, HOJ, STH, MTJU, JTS, SDDR, ESPN, DR12, CELP, IGRP, PDRR, SJG, GTBY, BOAV, TEFE, MASC, RCC, MARVS, OMBU, PILO, LMGC, NMDO, PINC, YAR, FDF, HLGC, CZSB, ATAH, ATAA, MACA, SAML, FAYO, NNA, MDP, MDP, ITTB, CCIG, CCIG, NPGB, VILB, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, CMIG, PDRB, PB16, PTBL, PRPB, PB01, GBSD, PB08, PB01, SMTB, ARAG, BDFB, BRDY, CCM, AC05, PMNB, TXAR, TXAR, TXAR, TX31, VHRN, MNTX, U16A, WUJAZ, U14A, HMU, U15A, KNB, LCMT, ULM, MVU, PLCA, BSUT, BSUT.

2019 MAY

Table of meteorological data for 2019 MAY, including V12A, PD31, PDAR, SCHO, SCHO, BGU, LOHW, TPWA, TPNV, R11B, D19, HDL, NVAR, MFID, YKA, YKA, DBIC, DBIC, TOR, ILAR, ILAR, NB2, NOA, NOA, HFS, HFS, GERES, ARCES, ARCES, FINES, FINES, SNA, GSPA, GSPA, ZALV, KURBB, MKAR, MKAR, MKAR, SONS, SONS, ASAR, ASAR, WRA, WRA, WRA, CMAR, CMAR, IDC 25 15:23:51.81, 1.29, 29:6M:81.31E, h0km, mb3.8/10, DMN 25 15:23:53.0, 0.29:54N:01.04E, h10km, M14.4/7, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0, NEIC 25 15:23:59.2, 0.29:6N:0.4:81.4E:0.1, h49km, 21km, mb4.0/10, Error ellipse: s-maj=57.4km s-min=5.5km az=198.0, NDI 25 15:23:59.8, 0.29:57N:81.49E, h37km, 4km, M13.9, MW4.0, ISC 25 15:23:56.9, 0.5, 29:53N:0.0:4:81.47E:0.03, h27km, n61, c:29:80, mb3.9/16, Nepal

1414

Table of meteorological data for 1414, including KKN, NDI, NDI, NDI, LDR, LDR, LDR, LDR, PKIN, PKIN, GUN, GUN, ALBI, ALBI, ALBI, ALBI, JMU, JMU, JMU, GTK, GTK, GTK, BHPL, BHPL, BHPL, BHPL, NIL, KBL, TARG, GAR, ARSB, CHGR, SIMJ, AAK, AAK, AAK, KKAR, KKAR, KKAR, MKAR, MKAR, MKAR, MAKZ, CMAR, KURBB, KURK, KURK, ZAAO, ZAAO, ZALV, ZALV, ZALV, BVAR, BRVK, BRVK, AB31, AB31, ABKAR, FINES, KAPI, ARCES, HFS, GERES, NB2, NOA, EKA, EUNU, ASAR, TOR, TOLK, TOLK, J20K, J20K, BMAR, I30M, JMA 25 15:29:25.4, 0.1, 35.1N:0.4:139.1E:0.4, h7km, MV2.7/11, E, F, IFF ZU PENINSULA, JMA Felt II J1 at E OFF IFF ZU PENINSULA, ISC 25 15:29:25.0, 0.9, 35.04N:0.03:139.11E:0.04, h7km, 6km, n17, c:0:40/25, 6D, Near south coast of eastern Honshu

25d 16h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MJAR Matushiro, MAJO Matushiro, MAJZ Matushiro, etc.

2019 MAY

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SHLS Shalkode, UZB Uzynbulak, MA2 Magadan, etc.

1416

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like VVDA comp=Z,7.0nm,0.8s, SBA Scott Base, BRZS Berezinski, etc.

25d 18h

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

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like F25K, I28M, K29M, C23K, B22K, etc.

1418

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WSRZ, WIZ, WAZ, HAZ, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KAPPI, KSM, GUMO, SOEI, JNU, MYKOM, ENH, MTN, KSRS, CM31, CMAR, MJAR, FITZ, LZH, WB0, WRA, WB2, WR8, USRK, PSA00, AS31, ASAR, GTA, LSA, GOMU, KLR, HEH, UGNI, SONM, EVN, H1N1, H1N2, H1N3, MORW, FORT, PALK, NWA0, BBOO, STKA, PETK, YAK, MK31, MKAR, MAKZ, MA2, NIL, ZALV, AAK, KURK, KURBB, GAR, CHGR, KK31, KKAR, SIMJ, TIXI, BVAR.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BRVK, NRIK, AB31, AKAR, AKTO, ARTI, KIROV, BELG, D19K, D20K, F20K, GURO, BRTR, FINES, EIL, AKASO, KKBV, MLR, HAGF, VVND, NOA, VRAC.

1DC 25 18:15:18.3e1.9, 1.97N:126:11E, h0km, mb3.6/3, mbmp3.6/4, ML3.3/1, MS3.5/1, Error ellipse: s-maj=117.9km s-min=24.3km az=68.0, DJA 25 18:15:25.6e0.6, 2.2N:2x12'6E, h14km, km4, M4.0/18, mb4.0/6, mb5.2/4, MLV3.9/18, Mw(m)4.5/4, ISC 25 18:15:28.1e1.0, 1.76N:0.06e-125.91E:0.05, h83km, n19, c1906/23, mb3.4/3, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TNTI, UGNI, SONM, MRSI, LUWI, APSI, NLAI, MPSI, TTSI, BNSI, SMKI, FITZ, WRA, ASAR, MKAR, WSRZ, WIRZ, WHRZ, HAZ, OPRZ, MARZ, RUGZ, EDJR, TGRZ, URZ, MYRZ, LIRZ, KGRS, IDHR, GLGI, IGHG, ILNI, KCHF.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RRRZ, HLRZ, UTU, RAGZ, MURUPA, KHRZ, PUZ, WMGZ, HSRZ, TKGZ, RTZ, GNGZ, GRRZ, ALRZ, WPRZ, SNGZ, CMGZ, RIGZ, SHANTU, TOZ, MTHZ, KAUZ, RAHZ, KUTZ, MRHZ, WHZ, TLZ, PRGZ, WHZ, KNZ, NMHZ, WATZ, MKAZ, BKZ, MHGZ, ARHZ, WIHZ, RITZ, GRZ, EAST, MBAZ, MCHZ, TMVZ, KRVZ, ETVZ, TUKU, WTVZ, NNVZ, EPVZ, HBAZ, KHWZ, AWAZ, TWVZ, NGZ, ABZ, HIZ, TUVZ, WTAZ, FWVZ, CKHZ, MAVZ, TRVZ, VNVZ, MOVZ, KRHZ, PKVZ, KAHZ, PVZ, PHNZ, PXZ, WPHZ, WSHZ, WAZ, LREZ, ANEZ, PKE, HOWZ, OGWZ, OUZ, NNZ, GURZ, MRVZ, THZ, KHZ, LTZ.

25 to 18h

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like ILBA Iliam Banvizeh, SNGE Sanandaj, IKRK Kiruk, SRSL SARDASHT, SNQR Sonqor, etc.

2019 MAY

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like KIV Kislodovsk, SAKB Bahrain, SHMA Al-Shehemia, HRFI Mount Harif, etc.

1420

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like DQM Bisoca, WHFO Wadi Hawf, VRI Vriñciosa, LPSR Galich'ya Gora, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h m s, ISC. Includes stations like GERES GERESS Array B, KHC Kasperske Hory, ABTA Abfaltersbach, etc.

TEH 25 18:31:16.2,0.4,34.87N,45.87E,h6km,215km

ISN 25 18:31:17.0,0.4,34.88N,45.85E,h18km,6km,ML3.1

ISC 25 18:31:17.3,0.9,34.84N,0.0,0.9,45.86E,0.03,h10km,n23,0.134/26,Iran-Iraq border region

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h m s, ISC. Includes stations like KGS1 Ghaer-e-Shirin, IDRHR Dehrah, GLG1 Gilan-e-Gharb, etc.

Table with columns: IBDR, Station Name, Az, El, Phase, ID, Time, Res, h m s, ISC. Includes stations like Badra, MAHB Mahabad, BHD Baghdad, etc.

ISN 25 18:37:11.0,0.4,34.90N,45.84E,h16km,6km,ML2.8

TEH 25 18:37:11.2,0.4,34.89N,45.84E,h10km,31km

ISC 25 18:37:11.5,1.4,34.90N,0.0,0.5,45.87E,0.04,h7km,n12km,n12,4855/17,Iran-Iraq border region

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h m s, ISC. Includes stations like KGS1 Ghaer-e-Shirin, IDRHR Dehrah, GLG1 Gilan-e-Gharb, etc.

IDC 25 19:36:12.3,1.5,5.76S,151.11E,h45km,11km,mb3.1/3,mbtm3.4/4,ML1.5/1,Error ellipse: s-maj=98.4km s-min=16.7km,az=130.0,Norw Britain region

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

DJA 25 20:30:53.9,0.1,3°N,3°12'E, h579km,2km,M4.4/36,mB4.7/36,mB4.9/19,MLv4.9/18,Mv(m)B4.2/19

NEIC 25 20:30:54.2,1.6,3°18'N,0°09'12"E,0.1,h590km,2km,mb4.4/72,Error ellipse: s-maj=15.3km s-min=11.9km

IDC 25 20:30:54.3,0.8,3°18'N,122.02E,h598km,9km,mb3.6/25,mbtm4.5/28,Error ellipse: s-maj=14.9km s-min=7.1km

ISC 25 20:30:54.1,0.4,3°18'N,104.122,07E,0.05,h596km,5km,n20.4,018/235,mb4.4/68,2D,Celebes Sea

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h m s, ISC. Includes stations like TOLJ Tolitoli, MRSI Marisa, KMSI Cibinong, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h m s, ISC. Includes stations like DLV Lat, LEM Lemang, DRS Darwin Rock St, etc.

25d 20h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like EVN Everst, USRK Ussuriysk Ar., BNX BinXian, ARMA Armidale, etc.

2019 MAY

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like FINES FINESSE Array B, SPITS Spitsbergen Arr., GSPA South Pole Qui, etc.

1422

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like EMIR 464nm,0.5s, EORO Oroz-Betulu, SJJPF Ste Jean, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ESDC, LMR, PAB, ORIF, AVF, SMF, PSIM, HYF, SSF, MBDF, ECAL, PBRG, LOR, LPL, LPG, MVO, GRR, QUIF, SGMF, LDF, FLN, ROSF, ECAB, PCBR, PMRV, MEZF, HAU, SAVF, HINF, PAGF, CDF, BAIF, DAVOX, GIVF, FETA, RETA, MOTA, SQT, KEST, GERES, EKA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ, WRA, COEN, ASAR, ASO1, WOKA, OOD, MKAR.

IDC 25 20:54:15.3:0.6, 6.95S: 108.50E, h200km, 8km, mb3.0/9, mbmp3.6/9, Error ellipse: s-maj=33.5km s-min=12.6km az=51.0

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

NNC 25 21:15:48.8:2.6, 36.99N x 70.75E, h0km, mb3.9, mpv3.9, IC-30, Error ellipse: s-maj=21.2km s-min=19.9km az=155.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IUG, MRKS, KK31, AAK, TKM2, AB31.

RSNC 25 21:24:47.4:0.0, 5.7N x 76.7W, h119km, 2km, M3.1, mb3.8, ML2.9, Colombia

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UREC, APAC, FLOC, BRUC, RUSC, CRUC, BARC, MACC, GCUF, PAMC, OTAV, AZU, AZU, BCIP, BCIP, CRJC, CRUC, URIC.

RSNC 25 21:31:10.6:0.0, 7.7N x 73.3W, h151km, 2km, M3.1, mb3.6, mB6.1, ML2.9, Mw(m)B5.8, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BARC, BRUC, BRUC, PAMC, PAMC, RUSC, RUSC, PTBC, PTBC, TAMC, TAMC, ZARC, ZARC, NORC, NORC, CHIC, CHIC, ROSC, ROSC, CVER, CVER, UREC, UREC, GUY2C, GUY2C, PTGC, PTGC, NIZA, NIZA, CBOC, CBOC, DBBC, DBBC, ANIL, ANIL, ARGC, ARGC, SDV, SDV, PRAC, PRAC, ORTC, ORTC, APAC, APAC, PLMC, PLMC, SJCC, SJCC, URMC, URMC, CRUC, CRUC, YOTC, YOTC, SMRC, SMRC, MACC, MACC, URIC, URIC, MALC, MALC, GARC, GARC, POPC, POPC.

SNET 25 22:00:00.6:1.1, 13.46N x 89.48W, h89km, ML4.0, GCG 25 22:00:00.7:2.0, 13.50N x 89.48W, h91km, 1.3km, MD4.4, ML3.4, MW3.5

IDC 25 22:00:01.3:1.7, 13.66N x 89.29W, h102km, 19km, mb3.4/9, mbmp3.9/12, MS2.6/1, Error ellipse: s-maj=35.7km s-min=11.9km az=35.0

CATAC 25 22:00:01.5:0.2, 13.74N x 9.0W, h88km, 3km, M4.2/37, MLV4.2/37, Error ellipse: s-maj=9.9km s-min=2.6km az=25.8, confirmed

NEIC 25 22:00:02.1:1.6, 13.55N x 0.88E, h45W, 0.04, h94km, 10km, mb4.0/15, Error ellipse: s-maj=11.5km s-min=5.4km az=195.0

ISC 25 22:00:03.0:0.7, 13.51N x 0.05E, h95.50W, 0.04, h94km, 4km, n147, s=0.83/166, mb3.9/11, El Salvador

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

IDC 25 20:49:38.5:15.0, 6.46S x 129.69E, h133km, 166km, mb3.1/1, mbmp3.6/4, ML3.5/3, Error ellipse: s-maj=116.9km s-min=55.0km az=40.0

ISC 25 20:49:37.4:1.0, 6.42S x 130.0E, 0.1, h146km, n15, s=336/18, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FAKI, FAKI, DRS, DRS, MTN, MTN, KDU.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CEVE Cerro Verde, LOMA Loma Larga, SBLs San Blas, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PBMO Poplar Bluff, PDAR Pinedale Array, TPWA Teton Pass, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LSK Leskovik, LSK Sarande, LSK Spitsbergen Ar, etc.

are expressed in degrees Latitude uncertainty: 1 km; Longitude uncertainty: 1 km

SKO 25:22:35.26 S, 40.05N, 20:57E, h28km, ML4.2

BE0 25:22:35.26 S, 40.05N, 20:38E, h20km, 3km, ML3.9/14

NEIC 25:22:35.26 S, 40.05N, 20:44E, h28km, 7km, mb4.2/7, Error ellipse: s-maj=7.7km s-min=4.0km az=126.0

THE 25:22:35.26 S, 40.05N, 20:57E, h13km, 2km, M3.8/32, MLh3.8/32

NAO 25:22:35.26 S, 40.05N, 20:26E, h10km, mb3.4

ISC 25:22:35.26 S, 40.05N, 20:52E, h29km, 5km, mb4.1, 1.865/434, mb4.0/1.9, MS3.3/10, 52C-22D, Greece-Albania border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LSK Leskovik, LSK Sarande, LSK Spitsbergen Ar, etc.

TRN 25:22:11:46.5, 9.85N, 62:44W, h3km, MD3.8, Venezuela.

FUNV 25:22:11:48.5, 9.79N, 62:36W, h13km, MW3.7

ISC 25:22:11:49.7, 1.5, 9.79N, 62:47W, h38km, n16, 0.668/28, Near coast of Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PSMC Mucurapo Girls, PSMG Port of Spain, TRN Trinidad (W), etc.

TRN 25:22:15:53.7, 9.88N, 62:45W, h3km, MD3.6, Venezuela., Near coast of Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PSMC Mucurapo Girls, PSMG Port of Spain, TRN Trinidad (W), etc.

NNC 25:22:24:28.2, 4.1, 37.82N, 71:48E, h0km, mb3.8, mpv3.6, 4C-2D, Error ellipse: s-maj=32.8km s-min=23.8km

az=166.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IUG Iuzhnyay, KK31 Karatay Array, AAK Ala-Archa, etc.

MEX 25:22:24:36.3, 0.8, 193:06N, 93:26W, h10km, MD3.9

GOG 25:22:24:37.3, 2.2, 14:03N, 93:15W, h36km, 202km, MD4.3

ISC 25:22:24:34.4, 2.4, 14:00N, 0:1.93, 15W, h19km, 4km, n11, 0.179/20, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like THIG Thig, PATR El Naranjo, PAVE Pavencul, etc.

IDC 25:22:35:21.0, 0.8, 40:08N, 20:55E, h0km, mb3.7/15, mbmp3.6/27, ML3.5/10, MS3.0/15, Error ellipse: s-maj=12.9km s-min=11.5km az=166.0

PDG 25:22:35:24.8, 0.6, 40:04N, 20:44E, h22km, 1km, MD4.2/2, ML4.1/8, Error ellipse: s-maj=0.5km s-min=1.0km az=0.0

TIR 25:22:35:25.4, 40:03N, 20:61E, h35km, MD3.57, M4.3/30

ATH 25:22:35:25.9, 40:06N, 20:56E, h17km, 1km, ML3.9/20, Manual Solution by A. Agalos First locator: 2019/05/25 22:36:21, This location: 2019/05/25 22:47:10, Amplitudes are expressed in micrometers, All distances

Table with columns: Station, Name, Time, Az, El, SNR, and other parameters. Includes stations like UPR, SERG, HORT, HOK, PUK, etc.

Table with columns: Station, Name, Time, Az, El, SNR, and other parameters. Includes stations like VAE, GZR, BZS, BZS, etc.

Table with columns: Station, Name, Time, Az, El, SNR, and other parameters. Includes stations like BRTR, DAVOX, DAVOX, etc.

25d 23h

0.3nm,0.9s,baz=151,slow=2.5,SNR=3.0
0.3nm,0.9s
MKAR Makanchi Array 146.85 271 PKPbc PKPbc 22 59 19.1 -0.8
0.3nm,0.7s,baz=119,slow=2.6,SNR=3.6

KRSC 25 22:40:10.3±0.2, 48°16'N, 156°12'E, h41km, 25km, M3.8
IDC 25 22:40:15.1±3.4, 48°87'N, 155°10'E, h66km, 32km, mb3.3/6,
mbtmp3.7/10, ML4.1/3, MS2.8/5, Error ellipse:
s-maj=47.4km s-min=16.4km az=131.0

ISC 25 22:40:13.4±0.9, 48.77N, 155.5E, 0.1, h50km, n37,
c095/31, mb3.6/6, MS3.0/3, Kuril Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, KDR Khodutka, ASAK Asacha, etc.

MA2 Magadan 11.23 348 P 22 42 50.2 -0.9
0.4nm, 0.3s, baz=172, slow=2.2, SNR=2.1

MA2 2.22nm, 18.5s, baz=134, slow=38
1.5nm, 0.4s

USRK Ussuriysk Arr. 16.77 263 P 22 44 03.5 -1.1
0.1nm, 0.3s, baz=72, slow=9.3, SNR=2.1

TIXI Tiksi 26.08 341 LR 22 56 09.7
comp=Z, 24nm, 18.1s, baz=180, slow=57

H1N2 WAKE ISLAND Hy 30.34 158 T 23 18 10.4
baz=354, slow=74

H1N1 WAKE ISLAND Hy 30.35 158 T 23 18 13.8
baz=354, slow=74

H1N3 WAKE ISLAND Hy 30.36 158 T 23 18 50.0

H1S1 WAKE ISLAND Hy 31.47 159 T 23 19 37.6

H1S3 WAKE ISLAND Hy 31.48 159 T 23 19 38.2

H1S2 WAKE ISLAND Hy 31.49 159 T 23 19 38.8

KDAK Kodiak Island 31.65 54 LR 23 00 42.4
comp=Z, 34nm, 18.1s, baz=213, slow=59

ILAR Eielson Array 34.03 40 P 22 46 52.5 +0.3
0.3nm, 0.7s, baz=287, slow=6.7, SNR=2.2

YKA Yellowknife Arr 48.41 38 P 22 48 50.4 +0.4
0.5nm, 0.8s, baz=298, slow=8.5, SNR=3.9

PDAR Pinedale Array 62.33 56 P 22 50 31.8 +1.1
0.4nm, 0.8s, baz=320, slow=7.3, SNR=3.9

NOA NORSTAR Array B 66.88 342 LR 23 23 11.3
comp=Z, 8.4nm, 18.6s, baz=300, slow=39

WRA Warramunga Arr 70.89 201 P 22 51 23.8 -1.3
0.3nm, 0.6s, baz=9.7, slow=6.2, SNR=2.5

EKA Eskdalemuir Arr 74.79 348 P 22 51 46.3 -1.6
1.0nm, 0.6s, baz=6.7, slow=4.3, SNR=3.7

TXAR Lajitas Array 75.17 63 P 22 51 51.7 +1.1
0.6nm, 0.6s, baz=316, slow=6.3, SNR=10

WEL 25 22:40:59.9, 37°53'S, 177°13'E, h5km, ML3.2, Mw3.8,
Moment Tensor Solution, s9 Moment tensor: Scale 10^4
Mn: M=-4.49; Mw: 1.65; Ms: 2.83; Mo: 1.04; Mw: 3.54;
Mv: 0.81; Fault plane solution: M5.330000/1014 NP1;
c0225.00000°, s52.00000°, l-84.00000°. NP2: c5.3500000°,
s38.00000°, l-97.00000°. Principal axes: T 5.9920,
Plg7.0000°, Azm311.0000°; N -1.3260, Plg5.0000°,
Azm41.0000°; P -4.6650, Plg81.0000°, Azm165.0000°;
Stations used: OPZR HAZ URZ MWZ MKZ RTZ MKAZ
BKZ HIZ NORMAL FAULTING

WEL 25 22:40:36.9±0.8, 38°5'S, 177°E±, h5km, 7km, M2.6/7,
ML3.6/6, ML2.6/7, Error ellipse: s-maj=6.5km, s-min=4.3km
az=0.5, confirmed, Off east coast of North Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like WSRZ White Island S, WIZ White Island, WHRZ Whale Island, etc.

WEL 25 22:41:00.2±0.6, 38°5'S, 177°E±, h2km, 2km, M3.5/19,
ML3.8/19, MLV3.5/19, Error ellipse: s-maj=6.5km, s-min=2.8km
az=168.9, confirmed, Off east coast of North Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like WSRZ White Island S, WSRZ White Island, WHRZ Whale Island, etc.

2019 MAY

Table with columns: RIGZ Rimuhau, CNGZ Carnahg Statio, TOZ Tahuroa Road, MTHZ Maungataniwha, etc. Includes station names, times, and residuals.

IDC 25 23:07:31.9±1.2, 3°27'S, 145°07'E, h0km, mb3.8/5,
mbtmp3.8/6, ML3.9/1, MS2.9/6, Error ellipse: s-maj=70.7km
s-min=25.6km az=113.0

ISC 25 23:07:35.2±1.0, 3.35±0.2, 145.0E±0.4, h22km, n11,
c175/6, mb3.8/5, MS2.7/4, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like JAY Jayapura, HNR Honiara, WRA Warramunga Arr, etc.

IDC 25 23:12:14.4±2.9, 55°60'N, 166°20'E, h0km, mb3.4/4,
mbtmp3.5/5, ML3.1/1, MS2.7/3, Error ellipse: s-maj=80.4km
s-min=24.7km az=157.0

KRSC 25 23:12:16.8±1.3, 55°44'N, 165°95'E, h29km, 10km, M3.7,
ISC 25 23:12:16.9±1.3, 55.55N, 165.05E, h29km, 10km, M3.7,
c132/50, mb3.4/4, Komandorski Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like BKI Bering, KBTB Krutoberegovo, WZRY Waiomataini, etc.

WEL 25 22:41:00.2±0.6, 38°5'S, 177°E±, h2km, 2km, M3.5/19,
ML3.8/19, MLV3.5/19, Error ellipse: s-maj=6.5km, s-min=2.8km
az=168.9, confirmed, Off east coast of North Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like WSRZ White Island S, WSRZ White Island, WHRZ Whale Island, etc.

1426

BVAR Borovoye Array 51.60 310 P 23 21 22.1 +0.7
0.3nm, 0.6s, baz=62, slow=6.7, SNR=2.0
0.3nm, 0.6s

RSRPR 25 23:20:13.6, 19°0'N, 64°08'W, h40km, 23km, MD3.5/11
NEIC 25 23:20:12.3±1.3, 19°48'N, 0°08.65'W, 0.1, h10km, 2km,
ML2.2/22, MD3.6/11(RSRPR), 8C-4D, Error ellipse:
s-maj=17.9km s-min=13.3km az=111.0, Puerto Rico region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like GPCR Guaynabo City, GPCR Guaynabo City, GPCR Guaynabo City, etc.

IDC 25 23:47:00.5±2.9, 32°18'S, 177°96'W, h0km, mb3.8/2,
mbtmp3.8/3, ML3.5/1, Error ellipse: s-maj=69.2km
s-min=35.7km az=118.0

WEL 25 23:47:03.0±1.1, 32°5'±17°W±2, 0, h33km, M4.4/6,
mb4.4/2, ML4.7/10, MLV4.4/6, Mw(mb)3.5/2, Error ellipse:
s-maj=26.5km s-min=4.1km az=106.0, confirmed

ISC 25 23:47:00.2±2.1, 32.1S, 177.7W±0.3, h18km, n24,
c189/36, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like GLKZ Green Lake, MXZ Matakoaka Point, WNGZ Waiomataini, etc.

WRA Warramunga Arr 44.47 274 P 23 55 11.3 +0.7
1.0nm, 0.5s, baz=112, slow=8.1, SNR=16

FINES Finlayson Array B 146.86 339 PKPbc PKIKP 00 06 43.0 -0.2
1.2nm, 0.5s, baz=33, slow=4.5, SNR=10

KRNET 25 23:47:34.4±0.1, 20°20'N, 72°52'E, h13km, mb3.3
SOME 25 23:47:35.0, 40°33'N, 72°55'E, h5km
ISU 25 23:47:35.0, 19N, 72E, h18km
NIC 25 23:47:50.0±4.4, 41°11'N, 72°48'E, h23km, 21km, mb3.4,
mpv3.0, Error ellipse: s-maj=35.9km s-min=11.3km
az=177.0

ISC 25 23:47:35.3±0.8, 40°23'N, 0°03.754E, h10km, n58,
c202/99, 3AZ-25D, Kuruzystan

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like OHH Osh, OHH Osh, OHH Osh, etc.

Table with columns: Code, Station Name, Az, Az', Op, Ph, Phase ID, Time, Res, ISC. Lists stations like CHIM, NAM, ARSB, SALK, MINT, etc.

Table with columns: Code, Station Name, Az, Az', Op, Ph, Phase ID, Time, Res, ISC. Lists stations like KEBM, I02E, H04E, E03A, etc.

Table with columns: Code, Station Name, Az, Az', Op, Ph, Phase ID, Time, Res, ISC. Lists stations like JTH, MIYU, KJEN, etc.

ICC 25 23:53:43.0, 1.7, 44.1N, 0.129, 129.43W, h0km, mb3.4/5, mbmp3.5/9, ML3.2/4, MS3.9/10, Error ellipse: s-maj=36.6km s-min=18.5km az=43.0

NEIC 25 23:53:46.3, 1.3, 44.1N, 0.1, 129.1W, 0.1, h10km, 2km, mb4.0/8, ML3.5/38, Error ellipse: s-maj=20.1km s-min=13.0km az=221.0

s-maj=17.2km s-min=14.3km az=89.0 MOS 25 23:58:48.0, 1.1, 39.86N, 143.28E, h19km, mb4.7/36, Error ellipse: s-maj=8.5km s-min=5.0km az=109.6

26d Oh

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like Cerro Villicun, Zonda, San Juan, Leonicito, Choya, Mina Guanaco, Chepes, IPOC Station P, San Esteban, CERRO ARCO, Agrelo, Ro Olivares, IPOC Station P.

IDC 26 00:26:18.1±0.5, 29°59'N, 130°55'E, h0km, mb4.3/27, mbtmp4.3/34, ML3.9/7, MS3.8/49, Error ellipse: s-maj=14.5km s-min=11.7km az=86.0

MOS 26 00:26:21.3±0.9, 29°48'N, 130°61'E, h37km, mb4.8/45, MS4.5/7, Error ellipse: s-maj=7.6km s-min=4.8km az=110.8

BUI 26 00:26:21.0, 29°22'N, 130°81'E, h44km, mb4.5/19, mb4.6/57, MS4.3/54, MS7.4/254

JMA 26 00:26:22.5±0.1, 29°51'N, 130°7E, 0.8, h53km, 3km, MW4.5/40, MW4.5/40, NEAR AMAMI-OOSHIMA ISLAND

JMA Feit I J1 at NEAR AMAMI-OOSHIMA ISLAND, NIED 26 00:26:22.5, 29°46'N, 130°69'E, h53km, MW4.6, Moment Tensor Solution. s3 Moment tensor: Scale 1015N/m

Mn: 4.77; Mw: 4.19; Ms: 0.59; Ms: 1.95; Ms: 3.46; Mw: 6.89; Fault plane solution: Ms: 9.12000x10^15 NP1: 265.00000°, 629.00000°, 144.00000°. NP2: 28.00000°, 673.00000°, 166.00000°

NEIC 26 00:26:23.1±1.6, 29°39'N, 130°67'E, 0.08, h37km, 7km, mb4.7/82 Error ellipse: s-maj=10.1km s-min=7.8km az=114.0

ISC 26 00:26:21.8±0.5, 29°40'N, 130°74'E, 0.04, h30km, 3km, h13km, P-P 350, s=136/340, mb4.6/110, MS4.1/68, 14C-3D, Ryukyu Islands

Main table of station data with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists numerous stations including Yakushimahirau, Nakanoshima, Tanegashima, Kuchinoerabu, Amami Oshima, etc.

2019 MAY

Main table of station data for 2019 MAY with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like Yonaguni jima, Hachijo jima, Matsushiro, etc.

1430

Main table of station data for 1430 with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like Baotou, Guam, Heihe, Lanzhou, etc.

26d 1h

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Litokhoron, MOA, SOKA, BIOA, FFC, OBKA, etc.

IDC 26 01:00:35:47.3:0.7, 29:82Sx179:07W, h321km, 8km, mb3.5/3, mbtmp4.1/5, Error ellipse: s-maj=2.4km s-min=-23.0km az=177.0

ISC 26 01:00:35:47.8:0.8, 29:89Sx179:5W, 0.1, h300km, n35, c=218/43, mb3.6/3, Kermadec Islands region

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Green Lake, Raoul Island, MYKA, etc.

GCG 26 01:01:38.2:2.1, 13:98N-93:24W, h20km, 18km, MD4.3
MEX 26 01:01:40.0:0.8, 14:10N-93:35W, h10km, MD4.1
IDC 26 01:01:41.7:5.8, 14:59N-92:87W, h0km, mb3.4/3, mbtmp3.3/5, ML3.3/2, Error ellipse: s-maj=169.9km s-min=-55.5km az=38.0

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like THIG, SMCA, PATR, PAVE, etc.

2019 MAY

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Comitan, Yepocapa, Matias Romero, etc.

BUG 26 01:14:43.8:0.9, 47:54N-13:85E, h0km, MD3.6/6, ML2.9/7
IEPC 26 01:14:44.9:0.2, 47:60N-13:57E, h3km, ML2.1/9, Error ellipse: s-maj=1.4km s-min=-1.1km az=67.0
VIE 26 01:14:45.1:0.1, 47:62N-13:59E, h3km, mb1.7/1.4, ml2.2/15, Error ellipse: s-maj=0.8km s-min=0.6km az=124.0 3 km SSW of Bad Goisem

PRU 26 01:14:46.3:47.65N-13:64E, h3km, Goisem
BGR 26 01:14:46.4:0.2, 47:63N-13:59E, h5km, ML2.0/15, Error ellipse: s-maj=3.3km s-min=2.2km az=26.0

ISC 26 01:14:45.4:1.0, 47.63N:0.02:13.61E:0.02, h4km, 8km, n50, c=218/43, mb3.6/3, Kermadec Islands region

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like BIOA, MOA, MYKA, etc.

1432

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like DPC, MOX, MOA, etc.

TXNET 26 01:18:43.4, 32'N, 1'10'4W, h4km, 2km, ML2.1/6, Error ellipse: s-maj=1.9km s-min=1.2km az=130.5, final, Western Texas

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Culberson, Reeves, China Draw, etc.

SJA 26 01:25:55.6:0.7, 30:26Sx71:81W, h12km, ML3.5, MW3.3
GDL 26 01:25:59.4:0.6, 30:37Sx71:58W, h30km, 3km, ML3.7
ISC 26 01:26:01.8:1.3, 30:34Sx0:04, 71:52W, 0.07, h5km, 11km, n33, c=227/23, 1-C, 3-D, Near coast of central Chile

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Fray Jorge, La Serena, Tololo, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, Azimuth Range, Elevation Range, Station Class, Station ID, Time, Residual, Azimuth Error, Elevation Error. Includes stations like Bocatomia Ro, Popeta, San Alfonso, Las Melosas, Tunca, Maricunga, Pan de Azucar, Sierra Bellavi.

DMN 26 01:44:43.5, 0.0, 31.38N, 88.38E, h10km, MI5.1/8, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0, IDC 26 01:44:51.9, 0.5, 30.24N, 87.67E, h0km, mb4.2/25, mtbpm4.2/28, ML3.8/3, MS4.0/69, Error ellipse: s-maj=16.3km s-min=11.6km az=37.0, MOS 26 01:44:53.8, 1.3, 30.31N, 87.77E, h12km, mb4.7/32, MS4.2/13, Error ellipse: s-maj=9.0km s-min=4.3km az=122.8, BUJ 26 01:44:55.3, 2.7, 30.36N, 87.65E, h6km, mb4.9/31, mb4.5/60, Ms4.7/66, Ms7.4/5/63, NDI 26 01:44:55.3, 2.0, 30.40N, 87.61E, h10km, ML4.5, MW4.5, NEIC 26 01:44:55.3, 2.7, 30.33N, 87.66E, 0.0/9, h10km, mb4.7/84, Error ellipse: s-maj=14.7km s-min=10.9km az=53.0, GCMT 26 01:44:57.3, 0.2, 30.20N, 0.02, 87.76E, 0.01, h15km, MW4.9/99, Moment Tensor Solution, sc4, cs4, s9, q168, Duration: 0 Moment tensor: Scale 10^16Nm: Mr: 1.94; 02; Mw: 1.4; 08; Ms: 3.08; 08; Mb: 1.89; 37; Ms: 0.21; 06; Mw: 0.07; 20; Best double couple: M: 3.28400, 10^16, NP1: 209, 00000, 856, 00000, -1, 41, 00000. NP2: 325, 00000, 857, 00000, -1, 139, 00000. Principal axes: T 3.0900, Plg0.0000, Azm87.0000; P -3.4770, Plg51.0000, Azm177.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular

moment-rate function ISC 26 01:44:55.2, 0.2, 30.33N, 87.63E, 0.02, h10km, n468, az=30/48, mb4.6/130, MS4.1/103, 34C-21D, Xizang

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, Azimuth Range, Elevation Range, Station Class, Station ID, Time, Residual, Azimuth Error, Elevation Error. Includes stations like Everest, Gumba, Tadong, Lhasa, Kani, KKK, PKI, PKIN, ODAN, RAMN, GKN, DMN, JPG, KOLN, PYUN, ZIRO, LGTI, PTH, JOSI, ALBI, KOHI, HNLY.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, Azimuth Range, Elevation Range, Station Class, Station ID, Time, Residual, Azimuth Error, Elevation Error. Includes stations like Impal, Aizawl, BANDA, Kalpa, Dehra Dun, GeErMu, Kundal, Thein Dam, TengChong, Bhopal, Nilore, Wushi, Urumqi, Gaotai, Przewalsk, Kunming, Lanzhou.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, Azimuth Range, Elevation Range, Station Class, Station ID, Time, Residual, Azimuth Error, Elevation Error. Includes stations like LZH, HYB, BOOM, BOOM, BOOM, CHIANG MAI, CHIANG MAI, CHIANG MAI ARR, CHIANG MAI ARR, ARSB, ARSB, AAK, AAK, KBL, KBL, GAR, GAR, MK31, MKAR, MAKZ, MAKZ, SLVN, SLVN, SLVN, GYA, GYA, GYA, GYA, SIMJ, XAN, XAN, XAN, XAN, XAN, XAN, XAN, NONG, NONG, KKAR, KKAR, KKAR, ENH, GULI, GULI, BTO, BTO, BTO, BTO, LYN, LYN, LYN, LYN, LYN, LYN, LYN, LYN, KURBB, KURBB, KURK, KURK, TIV, TIV, TIY, TIY, TIY, TIY, HHC, HHC, HHC, HHC.

26d 1h

2019 MAY

Table with columns for station code, name, frequency, power, polarization, and coordinates. Includes stations like CNSH ChangSha, UBPT Khong Chiam, and KSAR Wonju Array Be.

Table with columns for station code, name, frequency, power, polarization, and coordinates. Includes stations like KSAR Wonju Array Be, BNK BinXian, and GNI Garni.

Table with columns for station code, name, frequency, power, polarization, and coordinates. Includes stations like YSS, ANTO Ankara, and AKASG Malin Array Be.

1435

Table with columns for station name, coordinates, and time. Includes stations like KORU, BRIU, MARR, KWP, etc.

2019 MAY

Table with columns for station name, coordinates, and time. Includes stations like HSKC, OBKA, GERES, etc.

26d 2h

Table with columns for station name, coordinates, and time. Includes stations like KOLE, FRB, YKA, etc.

ATH 26 01:51:33.2,37.49N,-20.70E, h11km,3km,ML2=19, Manual Solution by N.Liadopoulos First location: 2019/05/26 01:52:38, This location: 2019/05/26 04:43:39

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LTHK, ORTH, KTL0, etc.

DMN 26 02:09:19.9,-0.3,1'00N:-88.20E, h10km, ML4.9/8, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ICD 26 02:09:24.4,0.5,30'13N:-87.56E, h0km, mb4.4/25, bmbp4.4/28, ML3.7/3, MS3.8/40, Error ellipse: s-maj=16.2km s-min=12.0km az=34.0

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EVN, GUN, GUN, etc.

26d 2h

Table with columns for station code, name, frequency, and signal strength. Includes stations like PKIN, GKN, DMN, etc.

2019 MAY

Table with columns for station code, name, frequency, and signal strength. Includes stations like CD2, PRZ, SHLS, etc.

1436

Table with columns for station code, name, frequency, and signal strength. Includes stations like XAN, KK31, KKAR, etc.

26d 2h

Table with columns: ID, Name, Elevation, Wind, Temp, Humidity, etc. Includes entries like NC204 NORSAR Array S, DOMB Dombas, SKAR Skarslia, etc.

2019 MAY

Table with columns: ID, Name, Elevation, Wind, Temp, Humidity, etc. Includes entries like D22K Aiyikay River, P08K Saint George I, F20K Avarat Lake, etc.

1438

Table with columns: ID, Name, Elevation, Wind, Temp, Humidity, etc. Includes entries like G24K Hadwezenic Riv, K20K Telida, K20K Telida, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LIENZ Kamor/St.Gall, DEGG Deggingen-Nord, SAVF Savonnieres en baz-110, etc.

CGC 26:02:19.13.0.6, 1416N-90.75W, h92km, 4km, MD4.0, MW2.7, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FG8 Yepocapa, ESSG Sabana Granda, etc.

Table with columns: NUBE, JAYA, J, S, N. Includes values like 1.36 111 eP, 02 19 48.8 +1.1

IDC 26:02:19.42.9.0.5, 8.83N-93.72E, h0km, mb4.1/20, mbtmp4.1/22, ML4.1/2, MS3.5/7, Error ellipse: s-maj=22.2km s-min=13.6km az=65.0

ISC 26:02:19.46.7.0.3, 8.76N-104.937E, 0.05, h23km, n109, c151/108, mb4.4/4.1, MS3.5/5, Nicobar Islands region

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMBY CAMPBELL BAY, BSI Banda Aceh, DGPR DIGLIPUR, etc.

Table with columns: BVAR, RAYN, RAYN, WBO, WBO, WRA, WRA, WRA, WRA, AB31, ABKAR, ABKAR, ASAR, ASAR, ASAR, ARTI, ARTI, ARTI, NRIK, NRIK, BR131, BR131, BRTR, BRTR, AKASG, AKASG, FINES, FINES, MREM, MREM, VYHS, VYHS, PHOH, PHOH, ARCES, ARCES, ARCES, MORC, MORC, MODS, MODS, BOSA, BOSA, BOSA, KGCAC, KGCAC, QNGWA, QNGWA, GERES, GERES, PRED, PRED, HFS, HFS, NB2, NB2, NOA, NOA, SPITS, SPITS, KEST, KEST, EKA, EKA, E19K, E19K, F19K, F19K, TORD, TORD, URZ, URZ, ESDC, ESDC, D2SK, D2SK, ILAR, ILAR, NVAR, NVAR, PDAR, PDAR, TXAR, TXAR, PLCA, PLCA, PLCA, ITQB, ITQB, HUMP, HUMP, CPUP, CPUP, PTLE, PTLE, LPAZ, LPAZ

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RAYN Ar Rayn, WBO Warramunga Arr, WRA Warramunga Arr, etc.

NOU 26:02:33:58.1, 19:25S-177:21W, h577km, mb4.8/31, Fiji Islands Region

NEIC 26:02:33:58.5, 1.7, 19:24S-177:47W, 0.1, h566km, 8km, mb4.6/31, Error ellipse: s-maj=17.5km s-min=9.4km az=98.0

IDC 26:02:33:60.0, 1.4, 19:35S-177:49W, h588km, 15km, mb3.5/15, mbtmp4.4/18, Error ellipse: s-maj=15.1km s-min=1.2km az=147.0

ISC 26:02:34:00.2, 0.4, 19:29S-177:39W, 0.07, h600km, Func: 62, 159/151, mb4.5/37, TC-2D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LKBA Tubou, LKBA Tubou, TAVE Taveuni, etc.

Table of astronomical observations for stations in the 1441-1460 range. Columns include station name, frequency, polarization, and time/offset. Stations include MZK, HAZ, POZ, MWZ, URZ, etc.

Table of astronomical observations for stations in the 1460-1560 range. Columns include station name, frequency, polarization, and time/offset. Stations include PZH, BVAR, ARTI, etc.

Table of astronomical observations for stations in the 1560-1660 range. Columns include station name, frequency, polarization, and time/offset. Stations include BOLU, BCAM, BACM, etc.

IDC 26 02:35:36.42, 1.486S, 144.69E, h94km, 20km, mb3.4/5, mbmp3.8/8, Error ellipse: s-maj=32.6km s-min=12.0km az=50.0

ISC 26 02:35:37.01, 1.0, 4.95S, 101.1447E, 0.1, h100km, 8m, az=83/10, mb3.5/5, Near north coast of New Guinea

Table of astronomical observations for stations in the 1560-1660 range. Columns include station name, frequency, polarization, and time/offset. Stations include JAY, JAY, JAY, etc.

CFUSG 26 02:38:53.3, 42.40N, 31.22E, h25km, Black Sea district 9, LK 42.40N, 31.22E, h25km, 1km, M2.3, 1.12s, MCSM 26 02:38:54.7, 1.42, N.53.31E, h25km, 10km, mb4.2, mb8.8, MLV3.3, M(mB)4.1

AFAD 26 02:38:56.3, 42.24N, 31.13E, h35km, 2km, M2.7, ISC 26 02:38:53.2, 42.41N, 0.003, 31.09E, 0.103, h24km, 25km, n124, s128/145, 24C-20D, Black Sea

Table of astronomical observations for stations in the 1560-1660 range. Columns include station name, frequency, polarization, and time/offset. Stations include BTIN, BTIN, BTIN, etc.

Table of astronomical observations for stations in the 1560-1660 range. Columns include station name, frequency, polarization, and time/offset. Stations include SULR, SULR, SULR, etc.

26d 3h

AK14 Malin Array Si 8.34 351 P Pn 02 40 51.9 -0.5
AK01 Malin Array Si 8.39 352 P Pn 02 40 51.8 -1.3

NEIC 26 03:06:50.9-0.7,31.633N,0.010:104.22W,0.01,
h5km,1km,mb_Lg2.3/17,ML2.1/16,Error ellipse:
s-maj=2.6km s-min=2.0km az=316.0

TXNET 26 03:06:51.4,31.6N,0.010:104.33W,0.07,h6km,1km,ML2.4/9,
Error ellipse: s-maj=1.2km s-min=0.9km az=41.2,final

ISC 26 03:06:51.2,0.9,31.633N,0.02:104.23W,0.02,h6km,1km,
n58,-0.98/89,Western Texas

Table with columns: Code, Station Name, Delta, AZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists various stations like Culberson Coun, Reeves - Culbe, China Draw, etc.

SSNC 26 03:51:23.8-3.6, 19.38N,70.23W, h10km,63km, MD3.5,
ML3.6, MW4.1

IDC 26 03:51:24.9-0.7, 19.33N,70.75W, h0km, mb3.6/13,
mbtmp3.7/17, ML3.2/4, MS3.3/12, Error ellipse:
s-maj=19.7km s-min=15.2km az=50.0

NEIC 26 03:51:28.2-2.8, 19.50N,0.04:70.36W,0.03,h10km,1km,
mb4.3/19, Error ellipse: s-maj=7.6km s-min=5.4km
az=172.0

RSNC 26 03:51:29.4-0.4, 19.1N,3.7'OW', h0km, mb4.3, Mjma4.4,
ML4.6, ML3.4, ML4.1, MLV4.4, MS(BB)3.9

SDD 26 03:51:29.2-2.4, 19.56N,70.39W, h31km,12km, MD3.7,
ML4.3, MW4.3

OSPL 26 03:51:30.5-3.3, 19.51N,70.42W, h10km,10km, ML3.8

ISC 26 03:51:28.6-1.0, 19.50N,0.02:70.44W,0.02,h2km,77km,
n135,e204/172,mb4.0/22,MS3.4/9,1C-7D,Dominican
Republic region

Table with columns: Code, Station Name, Delta, AZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like Santiago de lo, Hondo, etc.

2019 MAY

Main station list table with columns: Code, Station Name, Delta, AZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like LONA1, NAGUA, LUERON, MADR, etc.

1442

Main station list table with columns: Code, Station Name, Delta, AZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like GBTBY, PDRP, HUMP, etc.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like SONM, SOMM, SONM, SOMM, ULN, etc.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like FINES, FINES, FINES, FINES, FNA, etc.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like E29M, ILAR, J26L, SCRK, etc.

26d 5h

Table with columns for station name, elevation, location, and various data points. Includes stations like NWAOW Narrogin (SRO), JMN Monobe, JNU Nakatsue, QIZ Qiongzong, MJAR Murohiko, PPI Padang Panjang, NJ2 Nanjing, JSD Sado, RPSI Rantau Prapat, KSAR Wonju Array Be, KSRS Korea Array, JTM Tenmabayashi, CMAR Chiang Mai Arr, HNS HongShan, ASAJ Asahikawa, XAN Xi'an, URZ Urewera, USA0B Ussuriysk Arra, USRK Ussuriysk Ar, BJL Beijing, MDJ Mudanjiang, CN2 Changchun, BNK BinXian, HHC Hu-ho-hao-te, KLR Kul'dur, HEH HeiHe, HIA Hailar, GTA Gaotai, LSA Lhasa, PEAOB Petropavlovsk, PETK Petropavlovsk, ULN Ulanbataar, SONM Songino Array, PALK Pallekele, SHEM Shemaya Is, MA2 Magadan, YAK Yakutsk, WMQ Urumqi, PPT Papeete, PPT2 Papeete2, TBI Tubuai, NIKH Nikolski High, MKAR Makanchi Array, MKAR Makanchi, UNV Unalaska Valle, MAZ Makanchi, P08K Saint George I, SPIA Saint Paul Is, TARG Taragay, KSH Kashi, BILL Bilibino, NIL Niore, ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo, BOOM Boomskeye usch.

2019 MAY

Table with columns for station name, elevation, location, and various data points. Includes stations like VANDA Vanda, AAK Ala-Archa, TIXI Tiksi, KURK Kurchatov, KURBB Kurchatov Arra, SDPT Sand Point, M11K Melkoyuk, SBA Scott Base, GAMB Gambell, CHNA Chernabura Isl, ARSB Arslanbob, S14K Fog Glacier, M13K Dall Lake, K13K Kusivak Mount, GAR Garm, N14K Kusokwak Cree, M14K Bethel, L14K Kukla Creek, O15K Ungalikthiuk R, CHGR Chuyangaron, J14K Nanvaranak Lak, TNA Tin City, R16K Pilot Point, SIMJ Simiganj, M15K Kasigluk River, N15K Kwethlak River, KK31 Karatay Array, KKAR Karatay Array, L15K Ungalak Mount, CHIR Chirikof Islan, ANM Nome, P16K Nushagak River, F14K Arctic Creek, K15K Wolf Creek Mou, TAOE Nuku Hiva Isla, O16K Kokwok River B, N16K Nishik Lake, M16K Timber Creek, G15K Niuluk, L16K Dwit River, P17K Contact Creek, F15K North Star Dit, O17K Koliganek Bris, P17K Kvichak River, S11K Sitkinak Islan, J16K Anvik River, H16K Elim, N17K Nushagak Hills, R18K Katul, I17K Unalakleet, Q18K Katmai Hardscr, L17K Donlin, M17K Holtina River, G16K Koyuk River, P18K Big Mountain, OHAK Old Harbor, K17K Iditarod, J17K VAIM Dome, N18K Kilae Creek, C16K Lisburne Hills, Q19K Cape Douglas, L18K Granite Mount, L18K Granite Mount, L18K Katmai Hardscr, H17K Granite Mount, G17K Kiwalik Mount, M18K Stony River, KDAK Kodiak Island, KDAK Kodiak Island, O19K Port Alsworth, F17K Baldwin Pennin, D17K Nook River, N19K Bonanza Creek, N19K Bonanza Creek, E17K Hotam Inlet, NRIK Noril'sk, NRIK Noril'sk, NRIK Noril'sk, P19K Oil Pt, Q20K Shuyak Island, J18K Inokov River.

1446

Table with columns for station name, elevation, location, and various data points. Includes stations like BVAR Borovoye Array, TTA Tatiana, RDGO Red Dog Mine, BRVK Borovoye, H18K Honhosa River, C17K Delong Mountain, L19K White Mountain, M19K Big River Lodg, F18K Selawik, G18K Tagagawik, E18K Tukpahleark C, E18K Tukpahleark C, GCSA Galena City Sc, J19K Poorman, HOM Homer, L20K Farewell, AK, M20K Styx River, C18K Utukok River, N20K Mount Spurr, SPCR Spur Chakacha, H19K Roundabout Mou, K20K Telida, B18K Kokolik River, BRSE Bradley Lake S, F19K Shalerrucki Mo, MAW Mawson, J20K Novitva River, J20K Novitva River, I20K Naaghedeneel, SKT Skwentna, H20K Anotoneega Mo, PPLA Purkepile, C19K Lookout Ridge, SUA Susitna One, D19K Kuna River, D19K Kuna River, O22K Cooper Landing, SEW Seward, CAST Castle Rocks, CAST Castle Rocks, CHUM Lake Minchumin, F20K Avarart Lake, RC01 Rabbit Creek A, CUT Chulitna, E20K Nigu River, D20K Etivluk River, H21K Melozitna River, G21K Allakaket, G21K Allakaket, BPWA Bear Paw Mtn, I21K Tanana, PWL Port Wells, TRF Thorofare Moun, KNK Knik Glacier, P23K Montague Islan, B20K Meade River, F21K Alaina River, SML Sawmill, H22K Ishaitlina Cre, E21K Killik River, C21K Kniefblade Rid, GLJ Glacier Island, MCK McKinley, SCM Sheep Creek Mo, F22K John River, G22K Atitza Creek, B21K Ikpiupuk River, B21K Ikpiupuk River, NEA2 Nenana, A21K Barrow, I23K Minto, Yukon-K, I23K Minto, Yukon-K, EYAK Cordova Ski Ar, H23K Yukon River, D22K Ayikyay River, E22K Anaktuvuk Pass, G23K Bananza Creek, G23K Bananza Creek, WRH Wood River Hill, A22K Sinclair Lake, KLU Klutina.

Table with columns: ID, Name, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist. Includes entries like 124K Tolsona, Glenn, 124K Tolsona, Glenn, 124K Tolsona, Glenn, etc.

Table with columns: ID, Name, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist. Includes entries like P30M Million Dollar, S31K Pelican, N30M Aisklik Lake, etc.

Table with columns: ID, Name, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist. Includes entries like CCIG Comitán, CCIG Comitán, CCIG Comitán, etc.

SOME 26 06:04:14.4, 40:50N:78:98E, h10km
IDC 26 06:04:15.3, 3.2, 40:60N:78:71E, h0km, mb3.72,
mbtbp3.74, ML3.3/2, MS2.7/1, Error ellipse: s-maj=61.7km
s-min=40.0km az=110.0

KRNET 26 06:04:15.8, 0.1, 40:66N:78:96E, mb4.0
NNC 26 06:04:17.2, 0.9, 40:65N:78:92E, h0km, mb4.5, mpv4.1,
Error ellipse: s-maj=6.3km s-min=4.5km az=162.0

ISC 26 06:04:18.0, 1.3, 40:66N:0:05E:78:78E:0:04, h10km, n73,
t231/103, 32C-11D, Southern Xinjiang

Table with columns: Code, Station Name, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist. Includes entries like TARG Taragay, Kyrgy, PRZ Przhval'sk, KDJ Kajisay, etc.

TXNET 26 05:39:53.7, 31.6N, 07.1043W, 0.7, h7km, 2km, ML1.9/7,
Error ellipse: s-maj=1.3km s-min=0.8km az=44.4, final,
Western Texas

Table with columns: Code, Station Name, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist. Includes entries like TPB09 Culberson Coun, TPB10 Reeves - Culbe, TPB11 China Draw, etc.

MEX 26 05:47:19.8, 0.9, 14:43N:92:67W, h58km, 11km, MD4.2
CATAC 26 05:47:19.4, 1.0, 15:1N:8:93W, h21km, 7km, M3.8/13,
MLV3.8/13, Error ellipse: s-maj=17.4km s-min=11.6km
az=161.5, confirmed

GCG 26 05:47:20.2, 1.9, 14:56N:92:48W, h64km, 12km, MD4.1
ISC 26 05:47:20.2, 1.9, 14:57N:0:06E:92:59W:0:04, h67km, 9km,
n36, c1570/50, Near coast of Chiapas

Table with columns: Code, Station Name, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist. Includes entries like THIG, THIG, THIG, etc.

26d 7h

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like CHKK Chushkaly, KBK Karagaybulak, ARXS Arharly, etc.

NOU 26 06:12:00.2, 15:11S-166.66E, h0km, mb3.6/6, Vanuatu Islands, Vanuatu Islands

JMA 26 06:22:48.9, 0.2, 22°N, 122°00'E, h53km, 3km, MV3.9/12, TAIWAN REGION

TAP 26 06:22:50.1, 22°03'N, 120°50'E, h51km, ML4.0, D ISC 26 06:22:47.3, 1.6, 21.34N, 0.06, 120.37E, 0.03, h64km, 7km, n151, r1445/293, 10C-6D, Taiwan Region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like HEN Hengchun, VLAK1 Lakatoru, etc.

2019 MAY

Main table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like MASBT Mashibuluo, SGLT Jiouru, TSMG Maja, etc.

1448

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like ETM Xiuilin Townshi, LXIB Xiuilin Townshi, etc.

LJU 26 06:50:22.2, 45°8'N-14°53'E, h6km, ML0.3, 1D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like GBAS Gorenja Brezov, CEY Cerknica, etc.

VIE 26 06:51:05.2, 0.7, 46°68'N-15°08'E, h3km, ml-0.6/1, Error ellipse: s-maj=8.1km s-min=1.8km az=28.0 7 km WNW of Sankt Lorenzen ob Eiswald, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual. Includes stations like SOKA Soboth, SOKA SOKA, etc.

26d 7h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MKAR, SHLS, MAKZ, MAZK, UZB, UNV, BOOM, P08K, SPIA, KUU, KUR, Vnda, AAK, BILL, SGDS, KURK, KURK, KURB, BTLS, ARK, TIXI, DZA, GAMB, M11K, SDPT, KKAR, IUG, BRLS, S14K, BRZS, M13K, K13K, O14K, N14K, M14K, O15K, TNA, J14K, M15K, N15K, L15K, ANH, F14K, K15K, M15K, G15K, M16K, M16K, Q16K.

2019 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like L16K, L16K, F15K, BVAR, Q17K, BRVK, BRVK, P17K, J16K, SII, H16K, N17K, I17K, R18K, NRIK, NRIK, G16K, G16K, L17K, Q18K, M17K, P18K, J17K, J17K, K17K, K17K, OHAK, O18K, N18K, C16K, G17K, H17K, H17K, L18K, Q19K, M18K, F17K, D17K, O19K, E17K, N19K, RDO, J18K, P19K, Q20K, TTA, TTA, C17K, H18K, L19K, F18K, G18K, M19K, E18K, E18K, GCSA, J19K, J19K, HOM, L20K, C18K, M20K, M20K, B18K, H19K, H19K, G19K, G19K, K20K, K20K, N20K, SPCR, F19K, BRSE, J20K.

1450

Table with columns for station name, frequency, power, and other technical details. Includes stations like J20K, CAPN, I20K, C19K, C19K, E19K, E19K, A19K, SKT, PPLA, D19K, D19K, SUA, CAST, F20K, SEW, CHUM, RCO1, M22K, E20K, D20K, D20K, CUT, H21K, I21K, PMR, PMR, BPWA, TRF, QSPA, QSPA, B20K, PWL, PWL, F21K, KNK, P23K, SML, H22K, E21K, E21K, C21K, Q23K, RND, M23K, GLI, MCK, MCK, B21K, F22K, A21K, SCM, AB31, AB31, AB31, NEA2, NEA2, I23K, I23K, D22K, D22K, E22K, E22K, H23K, A22K, EYAK, G23K, WRH, COLD, COLD, B22K, KLU, M24K, CCB, COLA, COLA, COLA, KAIM, HDA, HDA, D23K, H24K, H24K, E23K, E23K.

Table with columns: Station Name, Code, Azimuth, Phase ID, Time, Residuals. Includes stations like IL31, ILAR, ILAR, etc.

Table with columns: Station Name, Code, Azimuth, Phase ID, Time, Residuals. Includes stations like L29M, P30M, J29N, etc.

Table with columns: Station Name, Code, Azimuth, Phase ID, Time, Residuals. Includes stations like MK31, MK31, MKAR, etc.

N2C 26 07:31:20.5, 49.97N-78.76E, h0km, mb3.3, mpv3.0, Error ellipse: s-maj=2.3km s-min=2.3km az=56.0, Suspected Mining explosion.

IDC 26 07:30:33.6, 1.0, 50.04N-0.05, 78.80E, h0km, n18, 0.95729, 13C-7D, Eastern Kazakhstan

PRU 26 07:33:27.0, 49.83N-18.45E, h0km, Czech and Slovak Republics

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

BUL 26 07:41:12.0, 5.81S-75.18W, h100km, mB7.6/5.0, MOS 26 07:41:13.4, 1.1, 5.79S-75.28W, h121km, mb6.8/8,

Broadband fault plane solution: P waves. NP1: 0.180, 0.000; 0.190, 0.000; 0.90, 0.0000; NP2: 0.00000, 0.871, 0.0000; 0.90, 0.0000; Principal axes: T, Plg26.0000, Azm90.0000; N, Plg0.0000; Azm7.0000; Azm360.0000; P, Plg64.0000; Azm72.0000;

CATAC 26 07:41:14.3, 0.4, 6.3S-3.7W, h114km, 3km, M7.7/28, mb6.8/27, mB7.6/28, MLv8.1/1, Mw(MB)7.7/28, Mw(Mw)7.8/24, Mw(7.4/24, Error ellipse: s-maj=12.0km s-min=5.6km az=83.8, confirmed

ISC 26 07:41:14.4, 0.3, 5.89S-0.02, 75.25W-0.03, h126km, 2km, n18, n2935, 0.1275/2877, mb7.2/628, 222C-153D, Northern Peru

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

26d 7h

Table with columns: Station ID, Station Name, Frequency, Mode, Direction, Power, and various numerical data points. Includes stations like GARC Garzon, MACC Macarena, BBAC Balboa, TUMC Tumaco, etc.

2019 MAY

Table with columns: Station ID, Station Name, Frequency, Mode, Direction, Power, and various numerical data points. Includes stations like ERIA Liberia, UPAL Upala, ALIBA Liberia, ELII Hacienda Florida, etc.

1452

145J

Table with columns: Station, Frequency, Power, Direction, and other technical details. Includes entries for stations like San Juan, Santa Maria, and various local frequencies.

2019 MAY

Table with columns: Station, Frequency, Power, Direction, and other technical details. Includes entries for stations like Fatura, Marlague, Concordia, and various international frequencies.

26d 7h

Table with columns: Station, Frequency, Power, Direction, and other technical details. Includes entries for stations like MOIG Morelia, CAMO1 Campos-RJ, and various international frequencies.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like ULM, TPWA, ESPZ, LAO, LAO ELK, ELK, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like FFC, J04A, J05D, L02F, TRIS, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like TVO, TVO, BBB, BBB, TBI, TBI, TBI, etc.

26d 7h

Table with columns for station name, frequency, power, and status. Includes stations like PCVE, So Bento, DAWSON INLET T, Isortoq, Green, etc.

2019 MAY

Table with columns for station name, frequency, power, and status. Includes stations like VNA2, Vila Real, Ceuta, Dease Lake, etc.

1456

Table with columns for station name, frequency, power, and status. Includes stations like BORG, Whitehorse, Pleasant Camp, Faro, etc.

26d 7h

2019 MAY

1458

Table with columns for station call signs (e.g., JMJC, BMRD, C27K), frequencies (e.g., 88.14, 88.15, 88.21), and various technical details like SNR, power, and modulation. The table lists numerous stations across the frequency spectrum from 26.7 MHz to 145.8 MHz.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like Sutherland, Furstenfeldbrunn, Castel Tesino, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like Tannenbergestra, Grantham, Anvik River, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like BRG Berggiesshubel, Ruedersdorf, Hotham Inlet, etc.

26d 7h

2018 MAY

1460

Table with columns for station name, frequency, power, and other technical details. Includes stations like TREC Trest, AFI Afiamalu, and various other regional stations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SPB2 Spitsbergen Ar, STON SMOL Smolenice, and various other regional stations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like IVA Berane, SRN Sarandë, and various other regional stations.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other parameters. Includes stations like WIZ White Island, VTS Vitoshka, BMR Baia Mare, etc.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other parameters. Includes stations like SORM Soroca, SCTR Scanteiesti, VLDTR Vladesti, etc.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other parameters. Includes stations like ERBR Erbr, KMBO Kilima Bogbo, KMBO Kilima Mbogo, etc.

Table with columns for location codes (e.g., BNX, MDJ, ULHL, VLA, etc.), coordinates, and performance metrics (e.g., PKP, PKPdf, values).

Table with columns for location codes (e.g., DL2, HNLY, KLP, etc.), coordinates, and performance metrics (e.g., PKP, PKPdf, values).

Table with columns for location codes (e.g., SSE, SSE, LYN, etc.), coordinates, and performance metrics (e.g., PKP, PKPdf, values).

26d 8h

2019 MAY

1464

Table of station data for 26d 8h, including columns for station name, location, and various parameters like SNR and error ellipse.

Table of station data for 2019 MAY, including columns for station name, location, and various parameters like SNR and error ellipse.

Table of station data for 1464, including columns for station name, location, and various parameters like SNR and error ellipse.

Table of station data for IDC 26 07:41:33.9.2.1, 10.04Sx118.29E, h0km, mb3.1/2, including columns for station name, location, and various parameters.

Table of station data for NEIC 26 08:35:23.5.2.3, 19.92N, 0101.155, 64W, 0.01, h10km, 1km, including columns for station name, location, and various parameters.

Table of station data for IDC 26 08:38:12.2.1.1, 32.54N, 85.29E, h0km, mb3.6/7, including columns for station name, location, and various parameters.

Table with columns: TPB03 Saragosa, TPB06 Permian Basin, TPB04 Verhalen, etc. Includes station names, coordinates, and various parameters.

Table with columns: ODSA, TMB04 Seminole, TMB01 Midkiff, etc. Includes station names, coordinates, and various parameters.

Table with columns: BVAR Borovoye Array, BVAR Borovoye, BRVK Borovoye, etc. Includes station names, coordinates, and various parameters.

KRSC 26 08:56:48.21.2.52:72N:159:29E, h86km, 10km, M1.4, 0
IDC 26 08:56:50.71.2.52:99N:158:79E, h94km, 9km, mb3.1/8,
mbtmp3.4/8, Error ellipse: s-maj=29.0km s-min=21.3km
az=137.0

IDC 26 09:07:03.6:2.9, 36:27N:70:80E, h184km, 25km, mk3.5/11,
mbtmp4.0/15, Error ellipse: s-maj=19.5km s-min=15.1km
az=37.0
MOS 26 09:07:07.3:0.8, 36:55N:70:78E, h221km, mb4.1/6, Error
ellipse: s-maj=12.4km s-min=4.8km az=78.0
NEIC 26 09:07:08.5:1.9, 36:56N:70:77E:0.07, h219km, 8km,
mb4.4/16, Error ellipse: s-maj=10.3km s-min=7.7km
az=146.0
NMC 26 09:07:12.1:3.1, 36:93N:70:69E, h205km, 41km, mb3.4,
mpv4.6, Error ellipse: s-maj=29.3km s-min=19.3km
az=18.0

IDC 26 09:07:05.8:0.5, 36:43N:0:04:70:80E:0.06, h200km, n114,
c177/129, mb4.0/22, 10C-6D, Hindu Kush region

Main station list table for the left column, including station names, coordinates, and various parameters.

Main station list table for the middle column, including station names, coordinates, and various parameters.

Main station list table for the right column, including station names, coordinates, and various parameters.

TXNET 26 09:00:50.0, 31:7N:0:8:104:2W:0.9, h82km, 15km, ML1.8/6,
Error ellipse: s-maj=1.6km s-min=0.9km az=52.2, final,
Western Texas

IDC 26 09:22:54.8:5.7, 60:89S:154:54E, h0km, mk3.7/2,
mbtmp3.8/3, ML3.5/1, Error ellipse: s-maj=371.3km
s-min=38.0km az=75.0, West of Macquarie Island

IDC 26 09:32:42.8:0.9, 6:87S:145:11E, h0km, mb3.8/8,
mbtmp3.8/11, ML3.5/2, Error ellipse: s-maj=25.8km
s-min=19.3km az=85.0

Table with columns: TPB09 Cullerson Coum, TPB09 Cullerson Coum, TPB11 China Draw, etc. Includes station names, coordinates, and various parameters.

Table with columns: KBL Kabul, KBL Kabul, GAR Garm, etc. Includes station names, coordinates, and various parameters.

Table with columns: VANDA Vanda, H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, etc. Includes station names, coordinates, and various parameters.

26d 10h

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Port Moresby, Warranga Arr, Alice Springs, Fitzroy Crossi, etc.

AEIC 26 09:34:15.71.4.66:30N.01:15:25W.0:05, h8km, 6km, ML2.2, ML3.4/120(NEIC), Error ellipse: s-maj=2.8km s-min=2.1km az=89.0

NEIC 26 09:34:15.51.1.4.66:29N.01:15:19W.0:04, h5km, 6km, Error ellipse: s-maj=2.6km s-min=2.0km az=96.0

IDC 26 09:34:16.1.2.0.66:21N.157:56W, h0km, mb3.5/2, mbmp3.5/5, ML3.0/3, Error ellipse: s-maj=51.7km s-min=18.3km az=22.0

ISC 26 09:34:15.61.1.2.66:30N.02:15:21W.0:03, h4km, 9km, n115, e070/116, Northern Alaska

Main station list for 26d 10h, including Purcell Mouna, Shalericuk Mo, Tagagawik, Roundabout Mou, etc.

2019 MAY

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BPAW, E23K, I23K, CAST, etc.

TRF Thorofore Moun College 4.11 131 Pn 09 35 19.7 +0.5

CCB Clear Creek Bu 4.26 109 IAML 09 35 20.4 -0.6

L19K White Mountain 4.26 165 IAML 09 35 21.5 +0.3

L19K White Mountain 4.26 165 IAML 09 35 23.0

B22K Teshekpuk Lake 4.29 17 IAML 09 35 20.5 -0.9

C23K Itkillik River 4.33 32 IAML 09 35 21.9 -0.1

MCK McKinley 4.36 122 Pn 09 35 22.6 +0.2

ILAR Eielson Array 4.56 105 Pn 09 35 25.3 +0.1

ILAR Eielson Array 4.56 105 Pn 09 35 25.0 -0.2

RND Reindeer 4.60 125 Pn 09 35 26.5 +0.7

PRP Porcupine Dome 4.85 94 Pn 09 35 29.3 0.0

E25K Arctic Village 4.88 63 IAML 09 35 29.1 -0.5

M17K Skwentna 5.00 148 Pn 09 35 30.2 +0.7

BMAR Burnt Mountain 5.11 71 Pn 09 35 32.9 +0.2

J25K Salcha River 5.22 103 IAML 09 37 05.2

M16K Timber Creek 5.36 189 Pn 09 35 35.7 -0.5

STLK Strandline Lak 5.37 151 Pn 09 35 37.9 +1.4

G26K Porcupine River 5.38 77 Pn 09 35 37.1 +0.6

SPU Mount Spurr 5.63 154 Pn 09 35 41.4 +1.5

N19K Bonanza Creek 5.64 166 Pn 09 35 40.8 +0.7

N19K Klia Creek 5.68 173 Pn 09 35 40.9 +0.4

N17K Nushagak Hills 5.80 180 Pn 09 35 42.9 +0.7

C26K Camden Bay 5.85 46 Pn 09 35 43.7 +0.8

I26K Coal Creek Min 5.87 93 Pn 09 35 42.7 -0.4

SML Sawmill 5.96 135 Pn 09 35 45.1 +0.7

J26L Joseph Creek 5.98 101 Pn 09 35 44.9 +0.2

SCR Sand Creek 6.04 107 Pn 09 35 46.4 +0.8

C27K Iago River 6.07 51 Pn 09 35 40.7 +0.2

G27K Doyon Strip 6.23 78 Pn 09 35 49.3 +1.2

RED Redoubt Volcan 6.23 159 Pn 09 35 48.5 +0.2

O18K Koktuh Hills 6.54 171 Pn 09 35 52.3 -0.1

O16K Koktuh River B 6.75 184 Pn 09 35 55.4 +0.2

KLU Klutina 6.93 129 Pn 09 35 59.8 +2.0

I28M Miller Creek 7.13 89 Pn 09 36 00.7 +0.2

E28M Babbage River 7.17 63 Pn 09 36 01.5 +0.5

L27K Beaver Creek 7.35 109 Pn 09 36 02.8 -0.6

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like OTAV, PACI, PPLP, etc.

IDC 26 10:04:38.2.2.1.6.61:05:75:03W, h145km, 27km, mb3.4/7, mbmp3.9/1.1, Error ellipse: s-maj=29.3km s-min=13.1km az=40.0

VAO 26 10:04:40.5.4.0.5:70S:74:99W, h165km, 8km, mb4.5

ISC 26 10:04:38.5.0.5.6:02S:07:75:06W.0:06, h150km, n24, e129/30, mb3.4/7, Northern Peru

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

CZSB Cruzeiro do Su 2.90 126 Op ISC 09 50 28.6 +3.9

ATAH Atauhaupa 3.49 251 Pn 09 50 34.0 +1.3

ATAH Atauhaupa 3.49 251 Pn 09 50 34.0 +1.3

TBTG Tabatinga, AM 5.45 71 eP 09 50 59.1 +1.2

NNA Nana 6.19 196 Pn 09 50 09.4 +1.6

TEFE Tefe 10.69 77 S 09 50 07.5 -2.0

LPAZ La Paz 12.26 147 P 09 50 28.5 -0.4

MACA Manacapuru-AM 14.61 79 eP 09 50 59.2 -1.4

SIV San Ignacio 16.92 127 Pn 09 50 27.3 +0.6

PTLB Pontes Lacer 18.23 122 eP 09 50 43.1 +1.0

PDRB Porto das Gac 18.94 108 eP 09 50 49.3 -1.3

ITTB Itaituba 19.32 86 eP 09 50 51.9 -0.4

NPGB Novo Progresso 19.60 94 eP 09 50 55.3 -0.1

SNDB Serra Nova Dou 24.00 106 eP 09 50 42.1 +0.7

TXAR Txararua 44.63 323 P 09 50 12.37 +0.8

PDAR Pinedale Array 57.78 330 P 09 50 14.15 +0.6

PDAR Pinedale Array 57.78 330 P 09 50 14.15 +0.6

NVAR Mina Array Bea 59.70 321 P 09 50 14.283 +0.7

NVAR Mina Array Bea 59.70 321 P 09 50 14.283 +0.7

DBIC Dimbokro 71.18 81 P 09 50 15.416 -0.1

YKA Yellowknife Ar 74.70 342 P 09 50 16.011 -0.2

TORD Todi Ar. Bea 78.56 75 P 09 50 16.235 -0.5

GSPA South Pole Qui 84.08 180 P 09 50 16.542 +1.8

ILAR Eielson Array 87.77 336 P 09 50 17.086 -1.6

KURBB Kurchatov Arra 130.37 22 PKP 09 50 23.317 -0.4

ASAR Alice Springs 139.14 226 PKPpre 09 50 23.404

ASAR Alice Springs 139.14 226 PKP 09 50 23.485 0.0

WRA Warramunga Ar 141.25 228 PKPpre 09 50 23.465

WRA Warramunga Ar 141.25 228 PKP 09 50 23.527 +0.3

MEX 26 10:24:12.4.1.1.15:23N.94:66W, h27km, 18km, MD4.1

GCG 26 10:24:12.5.1.15:39N.94:76W, h35km, 99km, MD4.3

ISC 26 10:24:07.2.1.6.15:39N.06:94:67W.0:02, h4km, 11km, n23, e156/43, Near coast of Oaxaca

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

Table with 5 columns: Station Name, Frequency, Power, Modulation, and Location. Includes stations like PETF Flores, PETF Izabal, and IZABA Izabal, Puerto.

MOS 26 10:33:36.4 1.0, 0.40N, 125.22E, h44km, mb4.8/37, Error ellipse: s-maj=10.7km s-min=5.7km az=111.2

NEIC 26 10:33:41.3 2.5, 0.35N, 0.08x125.42E, 0.06, h67km, 7km, mb4.8/54, Error ellipse: s-maj=11.2km s-min=8.7km az=179.0

ISC 26 10:33:40.6 0.4, 0.32N, 0.04x125.36E, 0.04, h66km, 3km, h66km, p-P, n224, 0.1939/247, mb4.7/84, 10C-10D,

Main table on the left side of the page, listing various radio stations with columns for Code, Station Name, Frequency, Power, Modulation, and Location. Includes stations like KMSI Cibinong, TMTI Ternate, SANSA Sanana, etc.

Main table in the middle of the page, listing various radio stations with columns for Station Name, Frequency, Power, Modulation, and Location. Includes stations like ARMA Armadale, ARMA Marumori, HHC Hu-ho-hao-te, etc.

Main table on the right side of the page, listing various radio stations with columns for Station Name, Frequency, Power, Modulation, and Location. Includes stations like ZALV, GAR Garm, BTLS Baital, etc.

26d 10h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MNK, BNS, MNK, FINES, WHY, FARO, NZSM, BURAR, etc.

DNK 26 10:39:33.7,3.8,80:96N;2:70W, h10km, ML2.1
BER 26 10:39:37.3,8.9:95N;3:25W, h19km;25km, mb(Pn)3.3,
Confirmed Earthquake

FCIAR 26 10:39:42.0,81.07N;1:03E, h10km, station ZF12 has
station magnitude of 3.30
ISC 26 10:39:32.2;1.0,80:90N;0:06;3:39W;0:05, h10km, n22,
e286/37, North of Svalbard

Main station list table for the 26d 10h period, listing stations from NOR to OTAV with their coordinates and phases.

NEIC 26 10:41:15.7;1.5, 13:23S;0:07;75:05W;0:07, h80km, 6km,
mb4.5/54, Error ellipse: s-maj=11.4km s-min=9.4km
az=46.0

IDC 26 10:41:15.9;1.1, 13:26S;75:13W, h86km, 10km, mb3.8/17,
mbmp4.2/22, Error ellipse: s-maj=17.0km s-min=8.4km
az=46.0

VAO 26 10:41:16.6;0.5, 13:18S;75:03W, h85km, h96km
ISC 26 10:41:16.6;0.5, 13:22S;0:05;75:08W;0:06, h96km, n140,
e190/144, mb4.3, Central Peru

Main station list table for the 26d 10h period, listing stations from NNA to OTAV with their coordinates and phases.

2019 MAY

Main station list table for the 2019 MAY period, listing stations from SIV to DBIC with their coordinates and phases.

1468

Table for the 1468 period, listing stations like GSPA, TORD, YKA, VYDA, ESDC, MAW, PETK, ASAR, WRA, ZALV, KURBB, MKAR, MJAR, KSH, SONM, KSR5, NJ2, PZH, etc.

GCG 26 10:45:53.6;2.6, 14:02N;93:16W, h35km, 154km, MD4.2
MEX 26 10:45:54.6;0.7, 14:26N;93:30W, h54km, 75km, MD4.0
ISC 26 10:45:51.0;2.2, 13:9N;0:1;93:21W;0:05, h37km, n15,
e231/26, Off coast of Chiapas

Main station list table for the 1468 period, listing stations from THIG to NEUV with their coordinates and phases.

IDC 26 10:50:26.9;0.9, 35:46N;28:57E, h0km, mb3.9/8,
mbmp3.8/19, ML3.7/10, Error ellipse: s-maj=17.9km
s-min=13.3km az=13.0

HLW 26 10:50:27.5, 35:52N;28:75E, h6km, 15km, Md4.0, M13.6
Gll 26 10:50:28.9;0.0, 35:23N;0:03;28:46E;0:01, h12km,
Mvs3.7, confirmed

AFAD 26 10:50:28.5, 35:40N;28:45E, h24km, 2km, ML3.3
ISK 26 10:50:29.9, 35:46N;28:51E, h15km, ML3.5/27
MCSM 26 10:50:29.1;2.0, 35:14N;2:28E, h18km, 16km, mb4.2

NIC 26 10:50:29.7, 35:56N;29:58E, h19km, 2km, M13.4/12
THE 26 10:50:32.9, 36:11N;14:28E;2:5, h5km, 27km, M3.1/8,
MLH3.1/8

ATH 26 10:50:33.3, 35:60N;28:45E, h25km, 8km, ML3.4/13,
Manual Solution by N.Liadopoulos First location:
2019/05/26 10:52:04, This location: 2019/05/26 11:03:49

M. Amplitudes are expressed in micrometers, All
distances are expressed in degrees Latitude uncertainty:
29 km; Longitude uncertainty: 71 km
ISC 26 10:50:30.7;1.0, 35:45N;0:03;28:54E;0:02, h32km, 9km,
n183, e150/209, mb3.8/8, Eastern Mediterranean Sea

Main station list table for the 1468 period, listing stations from ARG to YAZI with their coordinates and phases.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRDR, AYDB, BCK, BASM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASAR, H11S3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BARC, PAMC, BRJC, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time Res, ISC. Includes stations like ASAR Alice Springs, SONMG Songoing Array, MKAR Makanchi Array, KURBB Kurchatov Arra.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Includes stations like AOVVM Cuajimalpa, CJVM Malinalco, MAMVM Malinalco, INVM La Marquesa, SCVIG Sabancuy.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Includes stations like YER Yerkesik, YER Milas, TURUNC Turunc, DATCA-DATCA, ESEN ESEN.

IDC 26 11:56:43.0z.01.1, 17.03N:94.32W, h0km, mb3.5/2, mbtmp3.4/3, ML3.7/1, Error ellipse: s-maj=108.6km s-min=45.7km az=64.0

NEIC 26 11:57:00.1z.1.4, 17.22N:0.06:95.38W:0.05, h121km, 11km, mb4.2/27, Md4.4/125(MEX), Error ellipse: s-maj=9.8km s-min=6.6km az=201.0

MEX 26 11:57:01.1z.1.2, 17.29N:95.36W, h118km, 8km, MD4.4, CG 26 11:57:04.6z.2.8, 17.48N:95.00W, h114km, 75km, MD4.7

ISC 26 11:56:50.0z.0.7, 17.31N:0.03:95.35W:0.03, h119km, 6km, n149, e224/219, mb4.2/16, Oaxaca

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Lists numerous stations including Matias Romero, Arroyo Zacate, Oaxaca, Huatulco, Tuxtlalpan, Tehuacan, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Lists numerous stations including Cuajimalpa, Malinalco, La Marquesa, Sabancuy, Zumpango, Acapulco, Cuida Lopez Ma, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Lists numerous stations including Yerkesik, Milas, Turunc, Datca-Mugla, ESEN, Bodrum, Yalikavak-BoDr, etc.

IDC 26 12:00:20.0z.1.3, 37.18N:28.11E, h0km, mb3.2/3, mbtmp3.2/6, ML3.2/3, Error ellipse: s-maj=28.5km s-min=18.6km az=173.0

HLW 26 12:07:04.4z.77.77N:28.10E, h10km, 21km, Md4.5, M4.7, IDC 26 12:07:09.5z.6.37:25N:28.06E, h0km, mb4.0/17, mbtmp3.9/29, ML3.7/1, MS4.2/3, Error ellipse: s-maj=12.8km s-min=11.8km az=163.0

26d 12h

NEIC 26 12:07:12.0: 1.7, 37.23N, 0:03-28.02E: 0.06, h10km±1km, mb4.5/15, Error ellipse: s-maj=7.8km s-min=5.4km az=255.0
ATH 26 12:07:12.0: 1.7, 37.28N, 28.01E, h15km±4km, ML4.2/16, Manual Solution by G.Panopoulos First location: 2019/05/26 12:08:35, This location: 2020/10/08 19:28:41 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 1 km, Longitude uncertainty: 1 km
MCSM 26 12:07:14.2±2.3, 37.3N±2.8E±, h20km±21km, mb4.6, mb5.4, MLv4.2, Mw(m5)4.8
ISC 26 12:07:11.9±0.7, 37.28N, 0:02-28.05E: 0.02, h14km±4km, n388, r127/432, mb4.2/33, 32C-18D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data for the 26d 12h event.

2019 MAY

Table with columns: EZN, Ezine, 2.90 333, P, Pn, 12:07 57.3 -0.2. Lists seismic events with station codes, magnitudes, phases, and times.

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Table with columns: GHAJ, Ghor Haditha, 8.60 131, Pn, Pn, 12:09 15.9 +0.2. Lists seismic events with station codes, magnitudes, phases, and times.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like MNK, MNSK, MNRK, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like BOS, BOSA, BIL, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like EOSS, NFF, ENTT, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like PMRV, PCAS, ECAB, EADA, JAND, IFR, POLO, MVO, PAB, PSIM, PCAB, ELOB, PGAV, EQES, MD31, MD17, ECAL, ECAL, GUD, TIO, TIO, TTI, EAGO, EAGO.

NOU 26 12:46:46.6, 37° 87'S, 177° 59'E, h39km, MLV3.6/17, Off E. Coast of N. Island, N.Z.
WEL 26 12:46:46.7-0.3, 38° 53'S, 177° 8'E, h27km, M3, M3/1/30, ML3.4/30, MLV3.1/30, Error ellipse: s-maj=3.9km

ISC 26 12:46:47.4, 1.1, 37.825±0.003, 177.53±0.02, h34km±2km, n61, c1910/81, Off east coast of North Island

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like RUGZ, HAZ, OPCS, WIZ, WSRZ, PKGZ, PKGZ, WHRZ, WKHS, TWGZ, MWZ, URZ, PUKZ, TKGZ, RWZ, RAGZ, EDZ, MARZ, KAFS, WMGZ, OPRZ, CNGZ, MUGZ, MKRZ, RIGZ, RTZ, TARZ, LRRZ, OMRZ, SNRZ, HLRZ, KARZ, NGRZ, PRRZ, HSRZ, RAHZ, WTHZ, ALRZ, KNZ, WPRZ, MRHZ, MHGZ, BKZ, KUZ, HIZ, BFZ, BRZ, OUZ, OUZ, SNZO, SNZO, QNZ, QNZ.

Table with columns: KHZ, Kahutara, 5.51 212 P, Pn, 12 48 04.2 -2.8. Includes NEIC 26 12:54:08.0, 0.5, 36° 689N, 0° 008' 97.69W, 0.01, h7km, 4km. Stations include GC02, CROK, KAN14, KAN17, KAN13, BLOK, OK032, KAN05, KAN09, KAN09, KAN01, KAN10, KAN08, KAN08, KAN12, OK048, OK048, OK051, OK051, OK029, QUOK, QUOK, NOKA, NOKA, NOKA, ADOK, RIGZ, DEOK, CS17, FNOZ, ELUS, TUL3, R32A, X34A, WMOK, WMOK, RLO, KSLH, SMWD, CBKS, U38A, WFTS, HHRH, AMTH, FW06, MIAR, DKNS, RTBA, TREL, FW14, ABTX, MGMO, MGMO, P38A, KSCO, X40A, FCAR, SN05, BGNE, BGNE, UALR, UALR, WOST, WOST, 237A, 241A, 242A, 242A, L35A, L35A, T25A, OGNZ, BRDY, BRDY, SGCY, CCAR, PBMO, 435B.

Table with columns: SLM, Saint Louis, 6.22 70, Iamb_Lg, 12 57 24.3. Includes Q24A, QZNA, OZNA, JCT, CGM3, 143A, MNHN, SIUC, ISCO, OXF, UTM1, Q44A, Y45A, HND0, ANMO, DRIO, SAND, Y22D, I37A, ALPN, MNX, MNX, WMGZ, WMGZ, HAZ, PKGZ, PKGZ, PUZ, PUZ, RUGZ, TWGZ, TWGZ, MWZ, MWZ, TKGZ, URZ, URZ, URZ, RIGZ, RUTAH, ARHZ, ARHZ, BKZ, BKZ, KWHZ, KWHZ, KAHz, KAHz, PAXZ, PAXZ, TSZ, TSZ, PRHZ, PRHZ, MRZ, MRZ.

WEL 26 13:03:04.3±0.9, 33° S, 18° 18' 0"E, 3' 6, h350km, 24km, M3.8/13, M3B4.2/6, MLV4.3/13, Mw(MB)3.2/6, Error ellipse: s-maj=51.7km s-min=9.2km az=114.4, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like MXZ, MXZ, WMGZ, WMGZ, HAZ, PKGZ, PKGZ, PUZ, PUZ, RUGZ, TWGZ, TWGZ, MWZ, MWZ, TKGZ, URZ, URZ, URZ, RIGZ, RUTAH, ARHZ, ARHZ, BKZ, BKZ, KWHZ, KWHZ, KAHz, KAHz, PAXZ, PAXZ, TSZ, TSZ, PRHZ, PRHZ, MRZ, MRZ.

SFS 26 13:27:25.5, 37° 11N, 3° 96W, h6km, ML3.5/18, ML3.6/22, MLV3.2/22
LDG 26 13:27:25.7±0.2, 37° 07'N, 3° 91W, h2km, M3.2/5, Error ellipse: s-maj=5.6km s-min=2.7km az=161.0

IGL 26 13:27:25.6, 37° 10'N, 3° 97W, h1km
MDD 26 13:27:25.1±0.2, 37° 10'N, 3° 97W, h1km, 1km, mb_Lg3.4/85, Error ellipse: s-maj=1.5km s-min=1.0km az=161.0

INMG 26 13:27:25.9, 1.8, 37° 07'N, 3° 94W, h12km±2km, ML3.0, Error ellipse: s-maj=1.8km s-min=1.6km az=171.0, #DIST_RANGE: REGIONAL #IPMA_REGION: W Granada (ESP)

CNRM 26 13:27:27.1, 37° 03'N, 4° 02'W, h64km, ML2.7, ISC 26 13:27:25.1±0.8, 37° 10'N, 0° 02, 3.94W, 0.01, h14km±5km, n136, c192/266, 3C, Spain

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like EGOR, EGOP, EGOR, EGOR, EGOR, EXGRA, EXGRA, ANER, ANER, ANER, ANER, ANER, EQTA, EQTA, EQTA, EQTA, EMAL, EMAL, ESTP, ESTP, E0803, E0803, EMJ, EMJ, EMJ, EQES, EQES, EQES.

26d 14h

Table with columns: Code, Station Name, Azimuth (Az), Azimuth Error (AZ), Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IAML, Pn, and various frequency bands.

MEX 26 13:56:34.8-0.5, 17:10N:94.77W, h126km, 6km, MD3.8, Chiapas. Table listing station details for Mexico stations.

2019 MAY

RSNC 26 13:58:07.0-0.5, 17.1N: 76.6W, h145km, 2km, M2.5, mb3.6, ML2.2, Colombia.

Table listing station details for Colombia stations, including station names like Santa Ana, San Jos del P, and various frequencies.

ISC 26 13:59:29.0±1.5, 36°14'N: 68°56'E, h0°km, mb3.7/5, mbmp3.8/9, ML3.5/4, Error ellipse: s-maj=27.2km s-min=18.7km az=80.0.

NEIC 26 13:59:36.0±1.3, 36°42'N: 0°05'68"E, h0°km, mb3.7/5, mb4.1/6, Error ellipse: s-maj=13.6km s-min=6.6km az=85.0.

ISC 26 13:59:34.0-0.8, 36°48'N: 0°06'68"E, h0°km, mb4.3, h246/50, mb4.9/9, Hindu Kush region.

Table listing station details for India and other stations, including station names like Kabul, Simiganj, and various frequencies.

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Table listing station details for various stations, including codes like PZH, HHC, KULM, and frequencies.

DJA 26 14:10:20.6±1.2, 12°S: 7°11'E, h22km, 12km, M4.1/9, mB5.1/2, mb4.1/4, MLV4.1/9, Mw(mB)4.4/2, South of Jawa.

ISC 26 14:33:08.0±0.5, 10°26'S: 165°46'E, h0°km, mb4.4/22, bmtP4.4/26, ML4.7/3, MS4.0/15, Error ellipse: s-maj=17.6km s-min=13.8km az=88.0.

MOS 26 14:33:12.0±0.8, 10°24'S: 165°44'E, h31km, mb5.1/28, Error ellipse: s-maj=11.0km s-min=7.4km az=133.6.

NEIC 26 14:33:15.0±1.3, 10°27'S: 0°05'165°4E, h0°km, mb5.6/2, mb5.1/29, Error ellipse: s-maj=14.3km s-min=6.9km az=85.0.

BUJ 26 14:33:16.7±0.7, 9°56'S: 165°26'E, h40km, mb5.1/12, mb4.9/53, Ms4.9/1, Ms7.4/92.

NOU 26 14:33:17.7, 10°52'S: 165°48'E, h31km, mb4.8/23, Santa Cruz Islands.

ISC 26 14:33:13.8±0.3, 10°28'S: 0°05'165°50'E, h31km, m609, s1900/503, mb5.1/174, MS4.1/16, 11C-13D, Santa Cruz Islands.

Table listing station details for various stations, including codes like HNR, KSH, KBL, and frequencies.

Table with multiple columns containing station codes (e.g., WRAB, WRA, WRA, etc.), coordinates, and values. The table is organized into several vertical sections, each starting with a station code (e.g., WRAB, WRA, WRA, MRZ, etc.) and followed by columns of numerical data and station names.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MAKZ, PDAR, SHLS, ANMO, UZB, YKA, KPKS, ZHN, SATY, TDK, NRK, TXAR, MDO, TNS, KUR, AAA, KURBB, KUU, SGDS, AAK, AAK, SNA, BTLS, DZA, IUG, BRLL, BVAR, KEST, PBRG, POLO, MVO, PVS, GERES, MTE, PMRV.

WEL 26 14:42:58.4, 37.45S, 177.11E, h1km, ML3.5, Mw3.7, Moment Tensor Solution, s7 Moment tensor, Scale 10^14 Nm; Mn:-2.79; Mw:1.09; Ms:1.69; Mb:-0.41; Mw:0.79; Mw4.11; Fault plane solution: Mo4.76000x10^14 NP1: phi=181.00000, delta=875.00000, lambda=101.00000, NP2: phi=38.00000, delta=818.00000, lambda=-55.00000. Principal axes: T -5.3170, P1g29.0000, Azm183.0000; P 4.2040, P1g58.0000, Azm77.0000; Stations used: HAZ URZ PUZ RTZ KUZ MKAZ BKZ OBLIQUE FAULTING

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WSRZ, WIZ, WHRZ, OPRZ, MARZ, HAZ, HAZ, HAZ, TGRZ, EDJRZ, RUGZ, LRZ, LRZ, LRZ, MKRZ, OMRZ, KARZ, KARZ, TARZ, PKGZ, NGRZ, MWZ, MWZ, HLRZ, RRRZ, UTU, MXZ, TWGZ, TWGZ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HSRZ, RAGZ, HRRZ, PUZ, RTZ, GRZ, PRZ, KRZ, TKGZ, ALRZ, TOZ, WPRZ, KUZ, RIGZ, CNZ, MTHZ, MKAZ, BKZ, BKZ, HNZ, WGC, KHEZ, BFZ, OUZ, OUZ, QRZ.

WEL 26 14:47:06.0, 37.51S, 177.17E, h3km, ML3.5, Mw3.4, Moment Tensor Solution, s5 Moment tensor, Scale 10^14 Nm; Mn:-1.15; Mw:0.49; Ms:0.66; Mb:0.43; Mw:1.06; Mw:0.36; Fault plane solution: Mo1.51000x10^14 NP1: phi=227.00000, delta=856.00000, lambda=-84.00000, NP2: phi=37.00000, delta=84.00000, lambda=-99.00000. Principal axes: T 1.7490, P1g11.0000, Azm313.0000; N -0.4790, P1g5.0000, Azm43.0000; P -1.2700, P1g78.0000, Azm156.0000; Stations used: HAZ OPRZ URZ RTZ TOZ NORMAL FAULTING

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WSRZ, WIZ, WHRZ, HAZ, OPRZ, RUGZ, MARZ, EDJRZ, URZ, MYRZ, MYRZ.

WEL 26 14:47:06.0, 37.51S, 177.17E, h5km, ML3.5, Mw3.9, MLV3.5/9 Error ellipse: s-maj=8.0km s-min=5.9km az=10.0, confirmed, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WSRZ, WIZ, WHRZ, HAZ, OPRZ, RUGZ, MARZ, EDJRZ, URZ, MYRZ, MYRZ.

WEL 26 14:47:06.0, 37.51S, 177.17E, h5km, ML3.5, Mw3.9, MLV3.5/9 Error ellipse: s-maj=8.0km s-min=5.9km az=10.0, confirmed, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WSRZ, WIZ, WHRZ, HAZ, OPRZ, RUGZ, MARZ, EDJRZ, URZ, MYRZ, MYRZ.

WEL 26 14:42:58.4, 37.45S, 177.11E, h1km, ML3.5, Mw3.7, Moment Tensor Solution, s7 Moment tensor, Scale 10^14 Nm; Mn:-2.79; Mw:1.09; Ms:1.69; Mb:-0.41; Mw:0.79; Mw4.11; Fault plane solution: Mo4.76000x10^14 NP1: phi=181.00000, delta=875.00000, lambda=101.00000, NP2: phi=38.00000, delta=818.00000, lambda=-55.00000. Principal axes: T -5.3170, P1g29.0000, Azm183.0000; P 4.2040, P1g58.0000, Azm77.0000; Stations used: HAZ URZ PUZ RTZ KUZ MKAZ BKZ OBLIQUE FAULTING

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WSRZ, WIZ, WHRZ, OPRZ, MARZ, HAZ, HAZ, HAZ, TGRZ, EDJRZ, RUGZ, LRZ, LRZ, LRZ, MKRZ, OMRZ, KARZ, KARZ, TARZ, PKGZ, NGRZ, MWZ, MWZ, HLRZ, RRRZ, UTU, MXZ, TWGZ, TWGZ.

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

IDC 26 15:25:52.0, 1.8, 3.78S, 152.10E, h0km, mb3.7/9, mbmp3.8/10, ML2.0/1, Error ellipse: s-maj=58.1km s-min=22.2km az=115.0 NEIC 26 15:25:52.0, 1.8, 3.78S, 152.10E, h10km, mb3.7/9, mb4.5/12, Error ellipse: s-maj=18.7km s-min=8.0km az=241.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like COEN, CTAO, DZM, DZM, WRO, WRB, WRA.

ASAR Alice Springs 26.34 220 P P 15 28 29.9 +1.1 CMAR Chiang Mai Arr 56.94 295 P P 15 32 37.9 -0.2 SONM Songoing Arr 65.28 328 P P 15 33 33.7 -0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like F15K, F19K, F19K, MKAR, E19K, F20K, F20K.

D19K Kuna River 79.99 17 P P 15 35 03.0 +1.8 ZALV Zalesovo Beam 80.11 326 P P 15 35 04.4 -0.7 NEA2 Nenana 80.74 22 P P 15 35 06.1 +0.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILAR, J25K, J25K, KURBB, E28M, E28M.

BVAR Bovey's Array 88.19 323 P P 15 35 42.6 -0.7 IDC 26 15:25:40.6, 48.0, 35.18N, 24.39E, h0km, mb3.6/3, mbmp3.6/3, Error ellipse: s-maj=94.12km s-min=64.2km az=91.0

ATH 26 15:25:42.7, 34.91N, 24.16E, h18km, km, ML2.7/7, Manual Solution by G. Panopoulou First location: 2019/05/26 15:26:40, This location: 2019/05/26 17:37:04 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 5 km; Longitude uncertainty: 3 km

THE 26 15:25:42.2, 35 N, 2.4 E, h21km, 10km, M2, 3/6, MLH2.3/6 IDC 26 15:25:41.8, 1.0, 34.82N, 0.06, 24.20E, 0.03, h24km, 6km, n32, 0199/46, mb3.8/4, Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GVD, GVD, GVD, GVD, TMBK, TMBK, TMBK, TMBK, KNRD, KNRD, KNRD, KNRD, PRNS, PRNS, PRNS, PRNS, IMMV, IMMV, CHNB, CHNB, CHAN, CHAN, IDI, IDI, IDI, ANKY, ANKY, ANKY, ANKY, MHLO, MHLO, VLI, VLI, APD, APD, KARP, KARP, KARP, KARP, KRD, KRD, MET4, MET4, KARY, KARY, PENT, PENT, LTK, LTK, GUR, GUR, VIL2, VIL2, ARCS, ARCS, KURBB, KURBB.

NEIC 26 15:25:52.0, 1.2, 43.25N, 0.06, 18.00E, 0.08, h10km, 2.1km, ML3.1/36, Error ellipse: s-maj=10.6km s-min=8.5km az=49.0

BEZ 26 15:25:52.0, 3.43, 33N, 17.89E, h4km, 1km, ML2.9/15 PDG 26 15:25:52.0, 3.43, 33N, 17.89E, h2km, 1km, MD3.3/6, ML3.2/13, Error ellipse: s-maj=1.0km s-min=1.3km az=10 RHSSO 26 15:25:52.0, 3.43, 33N, 17.89E, h6km, 2km, ML3.2/15 PRU 26 15:26:01.5, 43.60N, 17.33E, h14km

ISC 26 15:25:52.4, 1.0, 43.29N, 0.02, 17.98E, 0.01, h7km, 9km, n145, 0125/232, 21C-19D, Northwest Balkan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BMAR, D27M, D27M, QSPA, QSPA.

ISC 26 15:25:52.0, 1.2, 43.25N, 0.06, 18.00E, 0.08, h10km, 2.1km, ML3.1/36, Error ellipse: s-maj=10.6km s-min=8.5km az=49.0

ISC 26 15:25:52.4, 1.0, 43.29N, 0.02, 17.98E, 0.01, h7km, 9km, n145, 0125/232, 21C-19D, Northwest Balkan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BMAR, D27M, D27M, QSPA, QSPA.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists various stations like KLINJ, Ston, Bratogost, Dubrovnik, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists various stations like BOJS, MORH, MRGY, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Lists various stations like JTK, JOKE, JYRO, etc.

JHU	Hachijo jima 2	8.94 59	Pn	Pn	15 49 34.6 +1.4
JHU	comp=E,22nm,0.3s,baz=239,slow=18,SNR=11		LR	LR	15 52 35.6
JHU2	Mitsune	8.96 59	Pn	Pn	15 49 34.4 +0.9
JHU2	Mitsune	8.96 59	P	Pn	15 49 34.7 +1.2
YHNB	Yeheng	9.26 246	P	Pn	15 49 38.6 +0.9
MAJO	Matsushiro	9.99 38	P	Pn	15 49 47.3 -0.4
MAJO	Matsushiro	9.99 38	P	Pn	15 49 48.1 +0.4
MAJO	Matsushiro Arr	9.99 38	Pn	Pn	15 49 48.4 +0.8
MAJO	comp=E,0.1nm,0.3s,baz=209,slow=13,SNR=19				
MJB	comp=E,1.4nm,0.5s				
SSLB	Suangleung	10.04 242	P	Pn	15 49 47.3 -0.4
JCJ	Chichijima	10.34 97	Pn	Pn	15 49 51.5 -0.9
JCJ	comp=E,42nm,0.4s,baz=285,slow=22,SNR=6.5				
NJ2	Chichijima	10.34 97	P	Pn	15 49 52.5 0.0
NJ2	Nanjing	10.68 290	P	Pn	15 49 59.3 +2.2
NJ2	comp=E,14nm,0.8s				
NJ2	comp=E,370nm,14.7s				
NJ2	comp=E,810nm,16.6s				
NJ2	comp=E,1um,16.6s				
JMM	Ussuriysk Ar.	12.38 41	Pn	Pn	15 50 19.5 -0.7
USRK	Ussuriysk Ar.	15.39 4	Pn	Pn	15 51 05.7 +0.4
CN2	Changchun	15.53 346	P	P	15 51 05.0 -1.9
CN2	comp=E,50nm,0.7s				
CN2	comp=E,600nm,12.0s				
CN2	comp=E,500nm,12.0s				
CN2	comp=E,600nm,14.0s				
HNS	Hongshan	15.85 307	P	Pn	15 51 07.5 +0.5
HNS	comp=E,25nm,0.9s				
HNS	comp=E,230nm,15.9s				
HNS	comp=E,440nm,15.1s				
HNS	comp=E,560nm,16.2s				
LYN	LuoYang	16.49 295	P	Pn	15 51 18.0 +0.5
LYN	comp=E,31nm,0.9s				
LYN	comp=E,190nm,5.8s				
LYN	comp=E,310nm,13.1s				
LYN	comp=E,670nm,14.1s				
LYN	comp=E,1um,16.8s				
BNX	BinXian	17.09 352	P	P	15 51 24.5 +0.4
BNX	comp=E,8.0nm,1.3s				
ASAJ	Asahikawa	18.01 29	P	Pn	15 51 33.2 -0.9
ASAJ	comp=E,0.1nm,0.3s,baz=226,slow=13,SNR=5.5				
ENH	Enshi	18.47 280	P	P	15 51 37.9 -1.7
XL	XilinHaoTe	19.04 326	P	P	15 51 42.5 -3.3
XL	comp=E,10.0nm,0.9s				
XAN	Xi'an	19.25 291	P	P	15 51 46.5 -1.6
XAN	comp=E,40nm,0.8s				
XAN	comp=E,330nm,16.5s				
XAN	comp=E,250nm,16.5s				
HHC	Hu-ho-hao-te	19.69 313	P	Pn	15 52 01.5 +7.0
HHC	comp=Z,27nm,0.8s				
HHC	comp=Z,120nm,5.9s				
HHC	comp=N,280nm,15.1s				
HHC	comp=E,260nm,14.7s				
HHC	comp=Z,500nm,16.0s				
KLR	Kul'dur	20.40 2	P	P	15 51 59.7 -0.8
KLR	comp=Z,10nm,0.6s,baz=190,slow=6.8,SNR=35				
KLR	comp=Z,10nm,0.6s				
KLR	comp=Z,12nm,0.8s				
YSS	Yuzhno-Sakhal	20.43 24	P	P	15 52 01.8 +1.0
YSS	comp=Z,68nm,1.9s				
BTO	Baotou	20.58 310	P	Pn	15 52 05.0 0.0
BTO	comp=Z,16nm,0.5s				
BTO	comp=Z,220nm,3.6s				
BTO	comp=Z,640nm,11.1s				
BTO	comp=Z,380nm,11.4s				
BTO	comp=Z,1um,14.2s				
GYA	Guiyang	21.37 269	P	P	15 52 11.5 +0.2
GYA	comp=Z,40nm,0.8s				
GYA	comp=Z,750nm,16.9s				
HEH	HeiHe	21.55 354	P	P	15 52 12.5 -0.3
HEH	comp=Z,6.0nm,0.8s				
CD2	Chengdu	23.40 282	P	P	15 52 32.0 -0.5
CD2	comp=Z,30nm,0.7s				
LZH	Lanzhou	23.71 295	P	P	15 52 35.3 -0.3
LZH	comp=Z,19nm,1.2s				
TYV	Tymovskoe	23.81 19	P	P	15 52 43.4 +7.2
TYV	comp=Z,200nm,3.1s				
TYV	comp=Z,7.0nm,1.3s				
ZEA	Zeya	25.02 355	P	P	15 52 46.3 -1.0
ZEA	comp=N,10.0nm,1.1s				
ZEA	comp=Z,10.0nm,1.7s				
KMI	Kunming	25.12 268	P	P	15 52 49.5 +0.8
KMI	comp=Z,24nm,0.6s				
SLVN	Son La	25.31 259	P	P	15 52 49.5 -0.7
SLVN	comp=Z,24nm,1.6s				
PZH	PanZhiHua	25.68 272	P	P	15 52 52.8 -0.9
PZH	comp=Z,10.0nm,0.9s				
ULN	Ulanbaatar	26.36 323	P	P	15 52 59.2 -0.5
ULN	Ulanbaatar	26.36 323	P	P	15 53 00.1 +0.4
ULN	comp=Z,3.0nm,0.6s				
SOMM	Songino Array	26.70 322	P	P	15 53 02.5 -0.1
SOMM	Songino Array	26.70 322	P	P	15 53 01.3 -1.4
SOMM	comp=Z,2.4nm,0.7s,baz=140,slow=9.6,SNR=8.2				
SOMM	comp=Z,337nm,19.6s,baz=324,slow=40				
SOMM	comp=Z,2.4nm,0.7s				
SOMM	Songino Array	26.70 322	P	P	15 53 02.5 -0.1
SOMM	comp=Z,4.0nm,0.9s				
GTA	Gaotai	27.51 301	P	P	15 53 08.8 -1.2
GTA	comp=Z,3.0nm,0.6s				

TNCH	TengChong	28.85 270	P	P	15 53 21.8 -0.4
TNCH	comp=Z,13nm,0.6s				
TNCH	comp=Z,110nm,3.1s				
TNCH	comp=Z,190nm,8.8s				
TNCH	comp=Z,460nm,14.1s				
TNCH	comp=Z,810nm,14.7s				
CHTO	Chiung Mai	30.58 258	P	P	15 53 36.8 -0.6
CHTO	Chiung Mai	30.58 258	P	P	15 53 36.8 -0.6
CMAR	Chiung Mai Arr	30.74 257	P	P	15 53 37.9 -0.9
CMAR	comp=Z,0.8nm,0.5s,baz=54,slow=7.6,SNR=8.2				
CMAR	Chiung Mai Arr	30.74 257	P	P	15 53 40.0 +1.3
CMAR	comp=Z,1.0nm,0.6s				
PEAOB	Petrovlovsk	31.38 32	P	P	15 53 43.8 -0.2
PEAOB	Petrovlovsk	31.38 32	P	P	15 53 43.8 -0.2
PEAOB	comp=Z,87nm,1.9s				
PETK	Petrovlovsk	31.38 32	P	P	15 53 44.3 +0.3
PETK	Petrovlovsk	31.38 32	P	P	15 53 43.6 -0.4
PETK	comp=Z,4.3nm,0.9s				
PETK	Petrovlovsk	31.38 32	P	P	15 53 44.3 +0.3
FAKI	Fak Fak	31.59 177	P	P	15 53 46.7 +0.5
FAKI	comp=Z,1.5nm,0.8s				
YAK	Yakutsk	33.22 359	P	P	15 53 58.7 -1.4
YAK	comp=Z,9.2nm,0.7s				
YAK	Yakutsk	33.22 359	P	P	15 54 02.1
YAK	comp=Z,20nm,1.7s				
MA2	Magadan	33.68 18	P	P	15 54 03.9 -0.2
MA2	comp=Z,9.0nm,1.1s				
SEY	Seymchan	36.94 16	P	P	16 10 03.9
SEY	comp=Z,103nm,21.5s,baz=305,slow=37				
SEY	Seymchan	36.94 16	P	P	15 54 33.6 +1.6
SEY	comp=Z,7.0nm,1.2s				
EVN	Everest	38.41 280	P	P	15 54 44.6 -1.1
MTN	Manant Dam	41.42 179	P	P	15 55 09.9 0.0
MTN	comp=Z,2.2nm,0.6s				
MTN	comp=Z,42nm,1.8s				
MK31	Makanchi Array	41.49 309	P	P	15 55 10.0 -0.4
MKAR	Makanchi Array	41.49 309	P	P	15 55 09.9 -1.4
MKAR	Makanchi Array	41.49 309	P	P	15 55 09.5 -0.9
MKAR	comp=Z,2.2nm,0.6s,baz=97,slow=9.8,SNR=24				
MKAR	comp=Z,0.4nm,0.7s,baz=86,slow=2.0,SNR=2.1				
MKAR	comp=Z,0.1nm,0.4s,baz=90,slow=1.2,SNR=3.6				
MKAR	comp=Z,2.2nm,0.6s				
MKAR	Makanchi Array	41.49 309	P	P	15 55 09.8 -0.6
MKAR	comp=Z,2.0nm,0.6s				
ZAAO	Zalesovo Array	41.56 320	P	P	15 55 09.9 -0.9
ZALV	Zalesovo Beam	41.56 320	P	P	15 55 09.7 -1.1
ZALV	Zalesovo Beam	41.56 320	P	P	15 55 09.8 -0.9
ZALV	comp=Z,2.4nm,0.3s,baz=113,slow=7.9,SNR=13				
ZALV	comp=Z,0.4nm,0.3s,baz=53,slow=37,SNR=1.7				
ZALV	comp=Z,2.4nm,0.3s				
ZALV	Zalesovo Beam	41.56 320	P	P	15 55 10.6 -0.2
ZALV	comp=Z,2.0nm,0.3s				
TIXI	Tiksi	42.89 359	P	P	15 55 20.8 -0.5
TIXI	Tiksi	42.89 359	P	P	15 55 20.8 -0.5
TIXI	comp=Z,7.0nm,1.0s				
KNRA	Kunurra	44.27 183	P	P	15 55 33.5 +0.5
KURK	Kurchatov	44.49 314	P	P	15 55 33.4 -1.1
KURK	comp=Z,12nm,1.1s				
KURK	Kurchatov	44.49 314	P	P	15 55 33.4 -1.1
KURK	comp=Z,12nm,1.2s				
KURBB	Kurchatov Arra	44.53 314	P	P	15 55 33.7 -1.2
KURBB	comp=Z,3.5nm,0.5s,baz=96,slow=9.2,SNR=65				
KURBB	comp=Z,0.3nm,0.6s,baz=100,slow=4.8,SNR=2.1				
BILL	Bilibino	44.55 18	P	P	15 55 34.8 0.0
BILL	Bilibino	44.55 18	P	P	15 55 35.6 +0.8
BILL	comp=Z,10.0nm,1.5s				
FITZ	Fitzroy Crossi	46.89 187	P	P	15 55 54.0 +0.3
NRIK	Noril'sk	47.49 341	P	P	15 55 57.1 -0.8
NRIK	Noril'sk	47.49 341	P	P	15 55 57.2 -0.7
NRIK	comp=Z,10nm,0.6s,baz=117,slow=8.7,SNR=29				
NRIK	comp=Z,10nm,0.6s				
NRIK	Noril'sk	47.49 341	P	P	15 55 56.9 -1.0
NRIK	comp=Z,9.0nm,0.6s				
WRB	Warramunga Arr	48.43 175	P	P	15 56 06.0 +0.3
WRAB	Tennant Creek	48.59 175	P	P	15 56 07.1 +0.2
WRAB	comp=Z,7.0nm,0.8s				
WRA	Warramunga Arr	48.60 175	P	P	15 56 07.0 -0.1
WRA	Warramunga Arr	48.60 175	P	P	15 56 07.1 +0.1
WRA	comp=Z,4.9nm,0.9s,baz=352,slow=8.3,SNR=44				
WRA	comp=Z,0.5nm,0.8s,baz=3.3,slow=4.6,SNR=1.5				
WRA	Warramunga Arr	48.60 175	P	P	15 56 07.4 +0.4
WRA	comp=Z,4.0nm,0.6s				
WRB	Warramunga Arr	48.63 175	P	P	15 56 06.9 -0.3
WRB	comp=Z,7.5nm,0.9s				
NIL	Nilore	48.79 291	P	P	15 56 07.6 -0.9
NIL	Nilore	48.79 291	P	P	15 56 07.6 -0.9
NIL	comp=Z,15nm,0.8s				
SPIA	Saint Paul Isl	49.64 38	P	P	15 56 14.2 -0.4
SPIA	comp=Z,15nm,0.8s				
KK31	Karatay Array	49.72 304	P	P	15 56 14.9 -0.6
KK31	Karatay Array	49.72 304	P	P	15 56 14.9 -0.6
KK31	comp=Z,3.0nm,0.8s				
KKAR	Karatay Array	49.72 304	P	P	15 56 15.0 -0.5
KKAR	Karatay Array	49.72 304	P	P	15 56 15.0 -0.5
BVAO	Borovyoye Array	49.83 317	P	P	15 56 15.6 -0.5
BVAR	Borovyoye Array	49.83 317	P	P	16 17 57.5
BVAR	comp=Z,7.1nm,0.3s,baz=93,slow=9.2,SNR=73				
BVAR	comp=Z,53nm,21.0s,baz=277,slow=37				
BRVK	Borovyoye	49.89 317	P	P	15 56 15.9 -0.6
BRVK	Borovyoye	49.89 317	P	P	15 56 16.2 -0.4
BRVK	comp=Z,1.3nm,0.5s				
P08K	Saint George I	49.94 39	P	P	15 56 15.9 -0.9
P08K	comp=Z,1.3nm,0.5s				
NIKH	Nikolski High	49.97 43	P	P	15 56 16.0 -1.1
GAMB	Gambell	50.34 29	P	P	15 56 18.4 -1.4
KBL	Kabul	52.04 293	P	P	15 56 32.9 -0.4
KBL	Kabul	52.04 293	P	P	15 56 32.9 -0.4
KBL	comp=Z,33nm,1.4s				
M11K	Mekoryuk	52.19 34	P	P	15 56 33.0 -0.6
M11K	comp=Z,33nm,1.4s				
AS31	Alice Springs	52.27 176	P	P	15 56 34.6 -0.2
ASAR	Alice Springs	52.27 176	P	P	15 56 34.9 +0.1
ASAR	comp=Z,4.0nm,0.9s,baz=12,slow=12,SNR=34				
TNA	Tin City	52.36 27	P	P	15 56 34.1 -0.8
F14K	Arctic Creek	52.98 29	P	P	15 56 39.5 -0.1
F14K	comp=Z,7.1nm,0.3s				
K13K	Kusilvak Mount	53.14 32	P	P	15 56 40.3 -0.3
ANM	Nome	53.22 29	P	P	15 56 41.0 -0.2
ANM	comp=Z,260				
M13K	Dall Lake	53.60 34	P	P	15

26d 15h

2019 MAY

1482

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like M19K Big River Lodg, B21K Ikipkuk River, J20K Nowinta River, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like STKA Stephens Creek, E25K Arctic Village, SCM Sheep Creek Mo, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like O29M Mount Kennedy, KLMR Kilimovskoe, F31M Tsightehoch, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, h, m, s, ISC. Includes stations like AKAB, AK09, AK01, KIEV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, h, m, s, ISC. Includes stations like HEL 26, RAUF, KEV, KEV, etc.

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

BUC 26 15:56:30.1,0.3,46.03N,26.97E,h16km,2km,m11.1/5, 6C-4D, Error ellipse: s-maj=2.7km s-min=2.1km

26d 18h

Table with columns: Station Name, Time, Res, and various codes. Includes stations like EDFI, KKM, MTN, etc.

2019 MAY

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like G19K, H19K, B21K, etc.

1484

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like RANC, RANC, LCY, etc.

26d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VALD Valchedram, HERR Herculeane, MPEP Malo Peshtene, etc.

2019 MAY

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

1486

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes station information for IDC 26 18:49:39.2, 2.0, 10:27Sx:123:97E, h0km, mb3.2/1, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details. Includes stations like Vila Bisbo, Vaqueiros, Marlete, etc.

JMA 26 18:56:07.6,0.2,25°N,2°E,122°E,0.6,h105km,7km,
MV2.5/15,NW OFF ISHIGAKIJIMA IS
TAP 26 18:56:07.2,24.67N,122.64E,h107km,ML3.3,C
ISC 26 18:56:07.8,1.4,24.61N,0.0,142.63E,0.02,h105km,7km,
n98, c#080/170, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details. Includes stations like Yonagunijimaku, Yonaguni jima, EOS2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details. Includes stations like SHUL Shoufeng, KJRS Kuro-shima, JHKS Hehuan Shan, etc.

IDC 26 19:04:12.7,0.6,36.66N,140.63E,h0km,mb4.1/21,
mbmp4.0/27,ML3.4/6,MS2.9/5, Error ellipse:
s-maj=14.8km s-min=13.3km az=105.0
MOS 26 19:04:13.2,1.0,36.71N,140.78E,h21km,mb4.5/18, Error
ellipse: s-maj=5.6km s-min=6.4km az=104.5
NEIC 26 19:04:15.8,2.0,36.76N,0.0,140.68E,0.10,h20km,6km,
mb4.5/14, Error ellipse: s-maj=12.0km s-min=4.2km
az=112.0
NIED 26 19:04:15.3,36.69N,140.65E,h11km,MW4.0,Moment
Tensor Solution. s3 Moment tensor: Scale 10^15N/m;
Mrr=1.03; Mth=0.22; Mtt=0.19; Mtr=0.49; Mtr=0.40;
Fault plane solution: Mo1:15000x10^15 NP1:
0s172.00000°,837.00000°,A-111.00000°. NP2:
0s312.00000°,856.00000°,A-75.00000°

JMA 26 19:04:15.3,0.0,36.71N,140.78E,0.2,h11km,MD4.3/20,
MW4.4/20,NORTH IRIAN/IRAKI/PREF
JMA Feil IV/JI at NORTH IRIAN/IRAKI/PREF
ISC 26 19:04:15.0,0.8,36.70N,0.0,140.57E,0.14,h4km,5km,
n173, c#180/148, mb4.4/45,MS3.3/3,10C-10D,Near east
coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details. Includes stations like JHO Hitachi, JHU Hitachinakyama, JFU Fukushimafurd, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and station details. Includes stations like JMST Minamisoumatoc, JKT Katashina, JMM Marumori, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like WAKE ISLAND, Zalesovo Array, and various other frequencies.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like South Pole Qui, La Paz, and various other frequencies.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like Peshkopia, Herceg Novi, and various other frequencies.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res, ISC. Includes stations like ZIRJ Klekovaca, MORI Morici, MAKR Makrakomi, etc.

1DC 26 19:45:37.6 1.9, 6.12S:130.72E, h0km, mb3.9/6, mbmp3.9, ML3.9/3, Error ellipse: s-maj=106.8km s-min=21.2km az=81.0

1DC 26 19:45:49.1 1.0, 6.62S:108.1307E:0.2, h100km, n9, c2611/2, mb3.6/6, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Waramunga Arr, ASAR Alice Springs, etc.

1DC 26 20:16:20.4 0.5, 11.31S:26.98E, h0km, mb4.1/19, mbmp4.2/24, ML4.8/4, MS3.5/12, Error ellipse: s-maj=19.0km s-min=8.8km az=88.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res, ISC. Includes stations like LSZ Lusaka, LSZ 160m, LSZ 37m, etc.

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res, ISC. Includes stations like KSANE Kasane, XAUDM Khaudum, PHDHD Phuduudhu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res, ISC. Includes stations like PZH PanZhiHua, PZH comp=Z.7,0nm,1.0s, PZH Gaotai, etc.

UCR 26 20:19:27.9 0.8, 11.71N:86.42W, h77km, 5km, MW4.0, CATAC 26 20:19:28.1 0.3, 12.2N:2.8 6W, h60km, 3km, MS.9/28, MLV3.9/25, Error ellipse: s-maj=5.7km s-min=2.6km az=44.2, confirmed

1SGN 26 20:19:32.0 0.6, 11.87N:86.66W, h35km, 391km, ML3.7, ISC 26 20:19:27.1 3.1, 11.69N:0.04:86.45W:0.04, h80km, 7km, n83, c069/103, 3C-16D, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res, ISC. Includes stations like NADN Granada, MASN Masaya, MAS3 AI N del Volca, etc.

1DC 26 20:40:46.7 1.1, 18.18S:174.19W, h0km, mb4.0/5, mbmp4.5/5, MS2.7/1, Error ellipse: s-maj=49.6km s-min=25.8km az=153.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res, ISC. Includes stations like MSVF Nonsavu, MSVF 7.40 272, etc.

26d 20h

Table with columns: WRA, ASAR, QSPA, NVAR, TXAR, H03S2, H03S1, H03S3, H03N2, H03N3, H03N1. Includes station names, times, and coordinates.

WEL 26:20:41.09.2.0.9,37°S,4°17'9"E, h12km, M3.4/17, ML3.6/18, MLV3.4/17, Error ellipse: s-maj=8.6km s-min=5.0km az=98.1, confirmed

NOU 26:20:41.12.3.0,37°19'S,178°79'E, h25km, MLV3.5/9, Off E. Coast of N. Island, NZ

ISC 26:20:41.06.8.3.0,37°14'S,0°08'179.2E,0.2, h15km, 13km, n65, ±1508/85, Off east coast of North Island

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like MXZ, WMGZ, PKGZ, etc.

MOS 26:20:51.11.6.0.8,52°14'N,153°91'E, h420km, mb4.1/13, Error ellipse: s-maj=2.9km s-min=2.1km az=67.6

KRSC 26:20:51.12.4.1,52°30'N,154°40'E, h418km, 8km, M4.6, mb3.4/16, mbmtpl4.3/18, Error ellipse: s-maj=12.2km s-min=10.9km az=125.0

ISC 26:20:51.12.1.0.5,52°40'N,0°07'154.15E,0.06, h413km, 5km, n133, ±173/151, mb3.8/34, 5C-13D, Northwest of Kuril Islands

Continuation of station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like MIPR, PAU, APC, etc.

2019 MAY

Main station list table for 2019 MAY with columns: KRM, MTRV, KDTR, etc. Lists stations like Mutnovka, Khodutka, Ganaly, etc.

1490

Main station list table for 1490 with columns: FINES, OBN, NOA, HFS, MNK, etc. Lists stations like FINESS Array B, Obninsk, NORARS Array B, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like BSWZ, THZ, THZ, THZ, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like J18K, GHO, GHO, GHO, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like FITZ, KDU, KDU, KDU, etc.

26d 22h

2019 MAY

Table with multiple columns containing station codes (e.g., KOK, SMAR, KRYK, etc.), coordinates, and other data points. The table is organized into several vertical sections, with station codes on the left and various numerical and categorical data on the right.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like MRLC, MRLC, MRLC, etc.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like HCY Herceg Novi, HCY Herceg Novi, BUM Brajci-Budva, etc.

Table with columns for station name, frequency, mode, and other parameters. Includes stations like PSZ Piszkesteto, ARG Arkhangelos, MLR Muntele Rosu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SAML, AC06, PTLB, etc.

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

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

NOU 26 23:43:06.4, 38:38S:175:67E, h211km, MLV3.5/13, North Island, New Zealand

NEIC 27 00:07:32.1, 4.54:10N, 0:08:165:82W, 0.10, h7km, 7km, ML3.6/10, ML3.2(AEIC), Error ellipse: s-maj=13.1km

ISC 26 23:43:05.4, 1:7, 38:38S:104:175:68E, 0:04, h209km, gkm, N114, s199/140, North Island

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

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

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

27d Oh

Table with columns: ID, Name, Elevation, Date, Status, Direction, Distance, and other details. Includes entries like G15K Niukluk, N16K Nishlik Lake, O16K Kokwa River B, etc.

2019 MAY

Table with columns: ID, Name, Elevation, Date, Status, Direction, Distance, and other details. Includes entries like SPCR Spurr Chakacha, A19K Wainwright, J20K Nowinta River, etc.

1498

Table with columns: ID, Name, Elevation, Date, Status, Direction, Distance, and other details. Includes entries like COLD Coldfoot, WRH Wood River Hill, CCB Clear Creek Bu, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like E27K Coleen River, YUK8 Steele Glacier, BVAR Borovoye Array, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like MMPY Sheldon Lake, V35K Ketchikan, R33M Jennings River, etc.

Table with columns for station ID, name, coordinates, and status. Includes stations like DLMT Dillon, R11B Troy Canyon, GSC Goldstone, etc.

ASRS 27 00:25:38.7±0.6, 50°N 3°44'E, h5km, MLH3.6/14, Error ellipse: s-maj=6.4km s-min=3.3km az=146.5, confirmed, Tuva-Buryatia-Mongolia border region

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like TDJR Todzha, TDJR Teeli, CERR Cheremushki, etc.

27d 1h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Chiang Mai Arr, Warramunga Arr, WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Sabana Grande, El Palmer, Yopocapa, etc.

ICD 27 00:54:48.71.1.9.45S:118.38E, h0km, mb4.1/6, mbmp4.1/9, ML4.1/3, MS2.8/1, Error ellipse: s-maj=56.4km s-min=17.4km az=57.0

ICD 27 00:54:55.0.2.9.5.2.11.9E:110.00E, h10km, M4.4/16, mB4.9/2, mb4.5/5, MLv3.1/6, Mw(mB)4.2/2

NEIC 27 00:54:57.8.1.9.9.27S:0.07E:118.91E:0.06, h62km, 7km, mb4.4/30, Error ellipse: s-maj=9.6km s-min=8.7km

ICD 27 00:54:55.9.0.4.9.32S:0.04E:118.94E:0.04, h46km, n79, s180/84, mb4.2/19, Sumbawa region

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

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

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

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

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

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

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

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

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

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

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

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

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

2019 MAY

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PEABO, PETK, AB31, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1500

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AB31, AKTO, etc.

ICD 27 01:45:12.5.2.4.2.06N:126.80E, h0km, mb3.3/3, mbmp3.3/3, Error ellipse: s-maj=184.9km s-min=28.7km az=66.0

DJA 27 01:45:18.0.0.4.2.N3.3x12.6E:1, h10km, M3.5/6, MLv3.5/6 ICA 27 01:45:20.0.1.3.1.6N:0.2.126.2E:0.3, h50km, n5, s125/6, mb3.4/3, Northern Molucca Sea

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

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

SOF 27 01:51:39.9.41.84N:0.01:22.87E:0.01, h12km, 1km, MD2.8/12 SKO 27 01:51:40.2.4.1.79N:22.85E, h15km, ML2.2

BEO 27 01:51:40.7.0.3.4.1.21N:22.84E, h13km, 2km, ML2.3/2.1 ATH 27 01:51:41.4.4.1.72N:22.92E, h12km, 3km, ML2.5/10

Manual Solution by A.Fokas First location: 2019/05/27 01:52:47, This location: 2020/09/03 14:24:21 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 2 km; Longitude uncertainty: 1 km

ICD 27 01:51:40.4.0.9.4.180N:0.02:22.86E:0.02, h11km, 7km, n67, s077/109, 11C-4D, Northwestern Balkan Peninsula

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

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

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

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KKB, KKB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KKB, KKB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KKB, KKB, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KKB, KKB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KKB, KKB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KKB, KKB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KKB, KKB, etc.

Table with columns: Station, Frequency, Power, and other technical details for stations like TEKS, BZS, BZS, SURR, MLR.

BUI 27 01:56:16.9, 20:66S:178:28W, h585km, mB5.4/37, mB5.2/62

MOS 27 01:56:17.2, 0.8, 20:99S:178:80W, h583km, mB5.1/23, Error ellipse: s-maj=8.9km s-min=7.7km az=107.8

NOU 27 01:56:18.5, 21:07S:178:69W, h585km, ML5.0/133, Fiji Islands Region

NEIC 27 01:56:18.5, 1.9, 21:05S:0:08, 178:79W, 0:09, h581km, 5km, mB4.9/387, Error ellipse: s-maj=13.4km s-min=10.3km az=138.0

IDC 27 01:56:19.1, 0.6, 20:96S:178:84W, h589km, 5km, mB4.3/21, mB5.2/23, Error ellipse: s-maj=10.3km s-min=9.8km az=124.0

ISC 27 01:56:18.3, 0.3, 21:10S:0:04, 178:75W, 0:04, h589km, 3km, h591km: P-P, n1401, c1811/1334, mB5.0/299, 71C-90D, Fiji Islands region

Main table for the left column containing station codes, names, frequencies, powers, and other technical data for stations like LKBA, TAVEU, MSFV, etc.

Main table for the middle column containing station codes, names, frequencies, powers, and other technical data for stations like FWVZ, MAVZ, WHVZ, etc.

Main table for the right column containing station codes, names, frequencies, powers, and other technical data for stations like AS31, AS12, ASAR, etc.

1503

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SUSA, SUA, J16K, SRIT, HEH, CRAG, A04D, LYN, SKT, GLI, L20K, J17K, J17K, EYAK, TTA, TTA, TTA, M22K, KNK, KNK, PMR, PMR, E07A, ENH, BJT, NONG, BJI, BJI, BJI, HAWA, HAWA, I17K, BGLC, SIT, ELIB, SYO, SYO, ANM, V35K, V35K, U33K, U33K, J18K, SML, DIV, M23K, MFID, BMRM, PPLA, W1X, S31K, GYA, GYA, MESA, K20K, SCM, H16K, KLU, KLU, SLVN, SLVN, CRQE, S32K, WRAK, WRAK, G15K, D08A, J19K, J19K, TNA, SEY, CAST, CAST, F14K, N25K, N25K, M24K, M24K.

2019 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H17K, MCARA, MCARA, PLID, B08A, J20K, J20K, G16K, LOGN, P29M, P29M, KTH, R32K, CTGK, CTGM, LLLB, LLLB, TRF, CHUM, F15K, GCSA, BESE, O28M, O28M, HARP, LL02, LL02, H18K, H18K, O29M, O29M, G17K, SNA, SNA, PLBC, BPAW, I20K, I20K, MCK, MCK, T35M, P30M, SKAG, SKAG, PAX, PAX, ZEA, ZEA, YUKB, M26K, M26K, XLT, XLT, XLT, XLT, XAN, XAN, TXAR, TXAR, TXAR, TXAR, BWN, YUK6, H19K, H19K, G18K, YUK3, S34M, S34M, HYT, HYT, M27K, MENT, MENT, H20K, VNA1, F17K, F17K, ANMO, ANMO, L26K, P32M, P32M, I21K, ALPN, NEA2.

27d 1h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like NEA2, Q32M, Q32M, K24K, BVCY, G19K, G19K, O30N, O30N, F18K, LR05, LR05, RIDG, RIDG, LR03, LR03, H21K, H21K, L27K, L27K, BCAR, BCAR, N30M, N30M, E17K, E17K, WHY, WHY, DLBC, DLBC, I23K, I23K, COLA, COLA, KMI, KMI, KMI, KMI, KMI, SCRK, SCRK, ILAR, ILAR, ILAR, ILAR, F19K, F19K, M29M, M29M, H22K, H22K, P33M, P33M, N31M, N31M, N31M, R33M, R33M, POKR, POKR, J25K, J25K, HHC, HHC, HHC, HHC, E18K, E18K, D17K, S22A, TPWA, PLCA, PLCA, PLCA, F20K, F20K, J26K, BILL, BILL, BILL, C16K, C16K.

27d 1h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Trend, Elevation Trend, Azimuth Stability, Elevation Stability, Azimuth Correlation, Elevation Correlation, Azimuth Covariance, Elevation Covariance, Azimuth Variance, Elevation Variance, Azimuth Covariance, Elevation Covariance, Azimuth Variance, Elevation Variance.

2019 MAY

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Trend, Elevation Trend, Azimuth Stability, Elevation Stability, Azimuth Correlation, Elevation Correlation, Azimuth Covariance, Elevation Covariance, Azimuth Variance, Elevation Variance.

1504

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Trend, Elevation Trend, Azimuth Stability, Elevation Stability, Azimuth Correlation, Elevation Correlation, Azimuth Covariance, Elevation Covariance, Azimuth Variance, Elevation Variance.

Table with columns for name, coordinates, status, and other details. Includes entries like ARCES, DMTD, UOSS, MASFD, ASHO, etc.

Table with columns for name, coordinates, status, and other details. Includes entries like ESY, R9F13, SORM, etc.

Table with columns for name, coordinates, status, and other details. Includes entries like KECS, CBRR, CJR, etc.

27d 4h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like MMS Musomishta, PERS Tekeris, BFO Black Forest, etc.

IDC 27 02:59:01.3 1.9 20:29S;177.90W,h509km,19km, mb3.2/11, mbtmp,0.173, Error ellipse: s-maj=19.4km s-min=15.2km az=115.

NEIC 27 02:59:01.3 1.6 20:24S;0:09-177.8W,0.2,h504km,7km, mb4.2/18, Error ellipse: s-maj=24.5km s-min=6.5km az=120.0

IDC 27 02:59:00.2 0.5 20:23S;0:10-177.7W,0.1,h500km,n73, c0877/0,mb3.8/19,Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like MSVF Nonsavu, FUTU Fugatoga, WRA Warramunga Arr, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like L19K White Mountain, TXAR Lajitas Array, ILAR Eielson Array, etc.

IDC 27 02:59:45.7 3.9 30:25N;142.43E,h0km,mb3.6/2, mbtmp,3.7/5,ML3.0/3, Error ellipse: s-maj=132.0km s-min=20.2km az=73.0, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like JCJ Chichijima, JCH Hachijima 2, JHJ Hachijima 2, etc.

SGS 27 03:11:08.6 29.63N;33.91E,h7km,ML1.7 HLW 27 03:11:09.4 29.53N;33.95E,h21km,1km,Md2.5,ML2.0 JSO 27 03:11:09.5 0.0 30°N,7°34'E,h1km,25km,M2.9/10, Md3.3/10,Mjma2.9/10,ML2.7/9,MLV2.8/10,MLV2.8/10, Gll 27 03:11:10.9 0.0 29.63N;0:002-34.135E,0.001,h0km, Mw2.5, confirmed

IDC 27 03:11:08.5 0.8 29:59N;0:02-33.96E;0:03,h10km,n55, 27 03:11:08.5 0.8 29:59N;0:02-33.96E;0:03,h10km,n55, Egypt

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like HBST Basata, NUB Nuweibaa, KRMI Paran Flat, etc.

1506

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like HMDT Nahal Hemdat, HMST Nahal Hemdat, ADUT Nahal Hemdat.

SJA 27 03:52:57.7 ±0.7, 22:59S;66:04W,h272km,4km,ML3.6, MW3.5,Jujuy Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like YJA Yavi, SALTA Zapla, AF01 San Pedro de A, etc.

IDC 27 04:02:50.8 2.2 6:42S;129.86E,h0km,mb3.6/1, mbtmp,3.8/4,ML3.9/3, Error ellipse: s-maj=89.7km s-min=28.3km az=76.0

IDC 27 04:03:13.5 2.9 7:75S;0:2-129.5E,0.1,h100km,n10, c259/12,Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like DRB Darwin Rock St, KDU Kakadu, FITZ Fitzroy Crossi, etc.

IDC 27 04:30:12.9 8.3 21:12S;147.96E,h0km,mbtmp,3.1/2, ML3.2/2, Error ellipse: s-maj=75.8km s-min=63.0km az=163.0, Queensland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 27 04:45:47.0 0.7 20:83S;113:91W,h0km,mb3.9/9, mbtmp,3.9/9,MS3.8/31, Error ellipse: s-maj=29.3km s-min=19.4km az=72.0

NEIC 27 04:45:50.9 1.4 20:95S;0:1-113.7W;0.2,h10km,1km, mb4.5/47, Error ellipse: s-maj=26.4km s-min=22.4km az=253.0

IDC 27 04:45:49.7 0.6 20:93S;0:1-113.7W;0.1,h10km,n114, c1906/72,mb4.5/32,MS3.8/31,Southern East Pacific

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like RKT Rikitea, TAOE Nuku Hiva Isla, TBI Tubuai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BO01 Tunca, AC06 Mina Casimiro, BI02 San Fabin de, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H1N13 WAKE ISLAND Hy 87.53 292 T, STKA Stephens Creek, FRB Frobiisher Bay, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JETT Jettan, Norway, KBS Kingsbay, SPA0 Spitsbergen Ar, etc.

27d 5h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like MCH1 Michaelchurch, STDF Stroud, LDf La Druitiere, etc.

SOF 27 05:44:49.3, 42°03'N-23°51'E, 0.19 h19km, 4km, MD2.4/6
SKO 27 05:44:51.0, 42°06'N-23°48'E, h0km, ML2.4
BEO 27 05:44:52.2, 42°07'N-23°43'E, h9km, 7km, ML2.2/12
ATH 27 05:44:54.2, 1.8, 41.77N-23°53'E, h10km, ML2.5/9, Manual
Solution by N.Liadopoulos First location: 2019/05/27
05:45:52. This location: 2020/07/02 10:24:10 ML

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like KKB Krupnik, MMB Musomishita, VTS Vitoshka, etc.

2019 MAY

Table with columns: PLG Polygyros, BLKB Belogradchik, THAS Thassos island, OUR Ouranopolis, RDO Rodopi, ZAGS Zajcar, etc.

NEIC 27 05:50:53.5, 0.9, 62°33'N, 0°02'-148°58'W, 0.04, h46km, 12km, Error ellipse: s-maj=4.0km s-min=0.7km az=135.0

AEIC 27 05:50:54.0, 0.1, 62°32'N, 0°03'-148°50'W, 0.05, h45km, 8km, ML3.3, ML3.5/23(NEIC), Error ellipse: s-maj=4.2km s-min=3.5km az=175.0

ISC 27 05:50:53.6, 1.3, 62°31'N, 0°03'-148°58'W, 0.03, h34km, 3km, n204, s0661/182, Central Alaska

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like SML Sawmill, GHO GHO, M23K Glacier View, etc.

1508

Table with columns: NEA2 Nenana, NEA2 Nenana, CHUM Lake Minchin, BMRM Bremner River, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RKAV, O18K, H25L, SYI, etc.

IDC 27 05:59:54.9.0.3, 54.13N-86.52E, h0km, mbtbp3.0/2, ML2.7/2, Error ellipse: s-maj=24.9km s-min=14.9km az=52.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, etc.

IDC 27 06:00:16.4.3.0, 54.31N-86.71E, h0km, mbtbp3.0/2, ML2.7/2, Error ellipse: s-maj=23.3km s-min=16.1km az=52.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASRS, I46RU, ZALV, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR, MKAR, MKAR, etc.

IDC 27 06:02:57.5.1.9, 38.36N-141.82E, h64km, mb3.6/3, mbtbp3.9/5, MS3.6/2, Error ellipse: s-maj=44.8km s-min=16.0km az=83.0

JMA 27 06:02:57.6.0.1, 38.5N-141.7E, 0.5, h53km, MV3.7/40, KINKAZAN REGION

JMA Felt J1 at KINKAZAN REGION

ISC 27 06:02:56.6.1.1, 38.50N-141.84E, 0.009, h58km, 7km, n26, a1916/32, mb3.8/3, 15D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JIKH, JIKH, JIKH, etc.

BUT 27 06:19:04.5.0.9, 47.27N-102.113.10W, h18km, 4km, Error ellipse: s-maj=2.7km s-min=1.9km az=202.0

NEIC 27 06:18:04.4.1.2, 47.24N-103.113.15W, 0.03, h24km, 5km, ML2.4/1.4, ML2.6/1.6(BUT), Error ellipse: s-maj=4.5km s-min=3.2km az=192.0, Montana

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OVMT, OVMT, OVMT, etc.

IDC 27 06:45:14.0.0.3, 12.2N-86.8W, h15km, M2.8/21, ML2.8/21, Error ellipse: s-maj=4.9km s-min=2.0km az=27.4, confirmed, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CATAC, CATAC, CATAC, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PKGN, RANC, RANC, etc.

IDC 27 06:57:59.1.5.8, 11.84S-166.45E, h0km, mb3.6/3, mbtbp3.6/3, MS3.2/1, Error ellipse: s-maj=294.8km s-min=36.3km az=140.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, WRA, WRA, etc.

IDC 27 07:12:11.8.4.3, 6.01S-149.27E, h83km, 38km, mb3.7/6, mbtbp4.1/7, MS3.1/3, Error ellipse: s-maj=61.3km s-min=19.8km az=103.0

ISC 27 07:12:08.9.1.0, 6.05S-149.5E, 0.03, h58km, n11, a1914/9, mb4.0/5, New Britain region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG, PMG, PMG, etc.

NOU 27 07:18:49.6.26.71S-177.14W, h383km, mb4.2/18, South of Fiji Islands

IDC 27 07:18:52.8.1.1, 26.75S-178.53W, h321km, 11km, mb3.5/6, mbtbp4.3/8, Error ellipse: s-maj=21.7km s-min=19.5km az=64.0

ISC 27 07:18:55.7.0.6, 27.21S-178.06E, h178.28W, 0.009, h350km, n59, a1919/80, mb3.7/6, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RIZ, RAO, RAO, etc.

27d 7h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VATIC Mamie plateau, HOWZ Holdsworth Sta, etc.

IDC 27 07:20:05.53.7.53:64N:87.95E, h0km, mbtmp2.5/2, ML2.1/2, Error ellipse: s-maj=37.0km s-min=20.1km az=43.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

IDC 27 07:24:29.1.5.3.71:43N:2:02W, h0km, mb3.5/1, mbtmp3.6/4, ML3.0/4, MS3.2/1, Error ellipse: s-maj=79.9km s-min=31.7km az=85.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DBG Daneborg, DAG Danmarks Havn, etc.

ASRS 27 07:23:58.0.0.6.53:44N:91.14E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

NAO 27 07:26:22.4.2.4.71:54N:2:72W, ML3.5 IDC 27 07:26:24.6.0.7.71:59N:2:32W, h0km, mb3.7/12, mbtmp3.8/17, ML3.3/6, MS3.4/33, Error ellipse: s-maj=19.2km s-min=13.6km az=40.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JMC Jan Mayen East, JMI Jan Mayen, etc.

2019 MAY

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DBG Daneborg, LOF Lofoten, SCO Scoresbysund, etc.

1510

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AKKB Malin Array Si, KIEV Kiev, KIEV Kiev, etc.

IDC 27 07:33:10.0.3.5.51:31N:87.41E, h0km, mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=31.9km s-min=19.9km az=43.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like I46RU ZALESOVO INFRA, etc.

Table with columns: Station Name, Time, Res, ISC. Includes ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array.

2019 MAY

Table with columns: Code, Station Name, Time, Res, ISC. Includes IDC 27 07:36:00.9, ASRS 27 07:50:10.0, ZALV Zalesovo Beam.

27d 9h

Table with columns: Code, Station Name, Time, Res, ISC. Includes SDD 27 09:14:49.5, OSPL 27 09:14:48.1, IDC 27 09:14:48.1.

ASRS 27 08:00:36.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:00:36.0, IDC 27 08:00:37.5, ZALV Zalesovo Beam.

ASRS 27 08:13:11.3

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:13:11.3, IDC 27 08:13:09.0, ZALV Zalesovo Beam.

ASRS 27 08:25:35.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:25:35.0, IDC 27 08:25:37.6, ZALV Zalesovo Beam.

ASRS 27 08:33:15.2

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:33:15.2, IDC 27 08:33:13.1, ZALV Zalesovo Beam.

Table with columns: Station Name, Time, Res, ISC. Includes MKAR Makanchi Array, NEIC 27 08:37:33.5, IDC 27 08:37:34.5.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

Table with columns: Station Name, Time, Res, ISC. Includes JIDR Jimani, ABDR Alto Bandera, LODOU El Espartillar.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

ASRS 27 08:40:13.0

Table with columns: Code, Station Name, Time, Res, ISC. Includes ASRS 27 08:40:13.0, IDC 27 08:40:16.8, YKA Yellowknife Arr.

Table with columns for station name, coordinates, and various data points. Includes stations like TOLITOLI, SPISI, HHSZ, SYZ, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like YSS, WHN, URSK, GULI, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like ATKA, CMAR, XLT, CHTO, etc.

Table with columns for station name, coordinates, and status. Includes stations like Ulaanbaatar, Gaotai, Songino Array, Yakutsk, etc.

Table with columns for station name, coordinates, and status. Includes stations like Kilae Creek, ANM, TNA, L17K, etc.

Table with columns for station name, coordinates, and status. Includes stations like KNK, GHO, I20K, CHUM, etc.

1515

Table with columns: Station ID, Name, Frequency, Class, Signal, Power, and Notes. Includes stations like H23K Yukon River, HDA Harding Lake, G22K Bettles, etc.

2019 MAY

Table with columns: Station ID, Name, Frequency, Class, Signal, Power, and Notes. Includes stations like S32K Killisnoo, S30K Killisnoo, P33M Million Dollar, etc.

27d 9h

Table with columns: Station ID, Name, Frequency, Class, Signal, Power, and Notes. Includes stations like H29M Whitestone, BBGB Big Mountain B, ZAAO Zalesovo Array, etc.

27d 9h

Table of meteorological data for stations 27d 9h, including station names, codes, and various parameters like pressure and temperature.

2019 MAY

Main table of meteorological data for 2019 May, listing station identifiers (like BVAR, BRVK, YKA), codes, and various meteorological readings.

1516

Table of meteorological data for station 1516, including station names like MODS, BRG, BRV, and various data points.

NAO 27 09:29:23.72, 71.64N-2.37W, ML3.7
FCIAR 27 09:29:23.70, 71.64N-2.37W, h10km
IDC 27 09:29:25.70, 71.54N-2.15W, h0km, mb3.8/10,
mbtmp3.8/15, ML3.4/6, MS3.5/15, Error ellipse:
s-maj=20.7km s-min=16.1km az=59.0
BER 27 09:26.16, 71.59N-2.82W, h10km, mb(Pn)4.4,
ML3.7(NAO), Confirmed Earthquake
DNK 27 09:29:34.6, 4.6, 72.26N, 3.96W, h0km, 95km, ML1.5
ISC 27 09:29:25.70, 6.71, 56N, 0.06, 2.05W, 0.06, h10km, n82,
c278/91, mb3.9/11, MS3.5/11, 2D, Jan Mayen Island
region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Lists various stations like Daneborg, Lofofen, Danmarks Havn, and their corresponding data.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like FAUS Fauske, KONS Konsvik, STOK Stokkvaagen, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like I46RU Zalesovo INFRA, ZALV Zalesovo Beam, MKRAR Makanchi Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like UESV Universidad de, UESV Seminario San, UESV Seminario San, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PG27 Guanacaste Pro, NYURE Nandayure, SR1A1 San Ramon, etc.

27 09:49:27.7, 33.80N, 32.13E, h12km, 1km, M12.5/7
NIC 27 09:49:27.9, 33.93N, 32.12E, h5km, ML2.8/11
GII 27 09:49:29.3, 0.0, 33.731N, 0.002, 32.070E, 0.001, h39km, Mws2.8, confirmed

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NATA, AKMS, TROD, ASGA, ALFC, LEF, CSS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CSS Mathiatis, EREN Erenkoy, GAZI Gazipasa, etc.

BGR 27 09:52:15.8, 58.42N, 152.74W, h33km, mb5.6, Ms4.8
BUI 27 09:52:16.8, 59.10N, 152.97W, h43km, mb5.7/6.1, mb5.7/92, Ms5.5/91, Ms7.5/2/91
MOS 27 09:52:19.0, 0.8, 58.98N, 152.72W, h60km, mb6.0/8.1, Error ellipse: s-maj=8.6km s-min=3.5km az=93.1
IDC 27 09:52:20.4, 0.4, 58.90N, 152.70W, h61km, 4km, mb5.2/3/6, mbtmpp=5.38, Ms4.9/6.1, Error ellipse: s-maj=8.5km s-min=5.3km az=93.0
NEIC 27 09:52:21.2, 58.86N, 152.37W, h60km
NEIC 27 09:52:21.6, 58.86N, 152.35W, h65km
NEIC 27 09:52:21.8, 1.9, 58.86N, 0.04, 152.36W, 0.07, h64km, 4km, Error ellipse: s-maj=6.5km s-min=5.0km az=158.0
NEIC 27 09:52:21.3, 2.0, 58.87N, 0.04, 152.37W, 0.04, h66km, 1km, mb5.8/405, ML6.0/174, Mw5.8/65, Mw5.8/111, Mw5.8/169, ML5.8(AEIC), Error ellipse: s-maj=7.4km s-min=3.8km az=355.0, Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mr:2.66; Mw:6.24; Mw:3.58; Mw:0.94; Mw:2.66; Mw:3.11; Fault plane solution: Ms:6.890000*10^17, NP1:322.420000, 363.3300, 1.151.650000, NP2:66.040000, 864.890000, 1.29.720000. Principal axes: T 6.8002, Plg38.0000, Azm285.0000; N 0.1186, Plg52.0000, Azm103.0000; P -6.9188, Plg1.0000, Azm194.0000; Moment Tensor Solution. Moment tensor: Scale 10^17 Nm; Mr:0.66; Mw:4.90; Mw:4.23; Mw:0.89; Mw:2.41; Mw:2.17; Fault plane solution: Ms:7.000000*10^17, NP1:361.390000, 675.750000, 1.20.000000, NP2:326.270000, 870.640000, 1.164.880000. Principal axes: T 5.8692, Plg24.0000, Azm285.0000; N -0.3569, Plg66.0000, Azm95.0000; P -5.1233, Plg3.0000, Azm193.0000. NEIC 27 09:52:21.2, 58.86N, 152.37W, h60km, Moment Tensor Solution. Duration: 4s. Moment tensor: Scale 10^17Nm; Mr:1.57; Mw:6.52; Mw:0.84; Mw:0.84; Mw:3.10; Mw:2.28; Fault plane solution: Ms:7.090000*10^17, NP1:326.510000, 671.550000, 1.163.210000, NP2:66.196000, 874.100000, 1.19.220000. Principal axes: T 6.8454, Plg25.0000, Azm285.0000; N 0.4669, Plg65.0000, Azm100.0000; P -7.3123, Plg2.0000, Azm194.0000. IGP 27 09:52:21.0, 58.86N, 152.35W, h68km, Mw5.9, Fault plane solution: NP1:67.000000, 876.000000, 1.19.000000, NP2:332.000000, 872.000000, 1.165.000000. NEIC 27 09:52:21.2, 58.86N, 152.37W, h68km, GCMT 27 09:52:24.3, 0.1, 58.90N, 0.01, 152.50W, 0.01, h79km, MW5.8/148, Moment Tensor Solution. s148,c274; s147,c308; Duration: 2s1. Moment tensor: Scale 10^18 Nm; Mr:0.19; Mw:0.72; Mw:0.53; Mw:0.11; Mw:0.11; Mw:0.32; Mw:0.22; Mw:0.22; Mw:0.22; Best double couple: Ms:0.759000*10^18, NP1:326.000000, 871.000000, 1.165.000000, NP2:66.000000, 876.000000, 1.20.000000. Principal axes: T 0.7170, Plg24.0000, Azm284.0000; N 0.0850, Plg66.0000, Azm96.0000; P -0.8020, Plg3.0000, Azm193.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. ISC 27 09:52:20.7, 0.3, 58.91N, 0.002, 152.43W, 0.02, h66km, 1km, h65km; p-P, N1760, 1534/1772, mb5.8/480, 78C-40D, Kodiak Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Q20K Shuyak Island, Q20K Shuyak Island, SYI Shuyak Island, Q19K Cape Douglas, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like P19K Oil Pt, P19K Oil Pt, P19K Oil Pt, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, Date, Time, Status, and other parameters. Includes stations like P23K Montague Island, P23K Montague Island, P23K Port Wells, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, Date, Time, Status, and other parameters. Includes stations like N15K Kwethluk River, CHGN Chignik, KLU Klutina, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, Date, Time, Status, and other parameters. Includes stations like GRNC Granite Creek, M13K Dal Lake, M13K Dal Lake, etc.

27d 9h

2019 MAY

1520

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like ANM Nome, F21K Altna River, I27K Kandik River, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like T33K Petersburg, C19K Lookout Ridge, C19K Pele River, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BILL Bilbino, NLWA Neilton Louku, LTY Liberty, etc.

1521

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like YAK, Kangerlussuaq, and various FM/AM stations.

2019 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SFJD, Kangerlussuaq, and various FM/AM stations.

27d 9h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SADO, SIUC, PBMO, and various FM/AM stations.

Table with columns for station code, name, coordinates, and various performance metrics (S, P, M, etc.). Includes stations like SSE, HOMB, INVG, ARTI, etc.

Table with columns for station code, name, coordinates, and various performance metrics (GTA, VAL, PBLUR, etc.). Includes stations like GTA, VAL, PBLUR, etc.

Table with columns for station code, name, coordinates, and various performance metrics (TDK, FLTG, YULB, etc.). Includes stations like TDK, FLTG, YULB, etc.

27d 9h

Table of radio stations and frequencies for 27d 9h, including call signs like RNP55, KSP, and frequencies such as 70.22, 70.22, 70.22.

2019 MAY

Main table of radio stations and frequencies for 2019 MAY, including call signs like OKC, MORC, and frequencies such as 71.37, 71.37, 71.37.

1524

Table of radio stations and frequencies for 1524, including call signs like RJOB, MOA, and frequencies such as 73.03, 73.05, 73.05.

27d 10h

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

2019 MAY

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

1526

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

ISN 27 09:56:54.7, 0.34, 338N, 45.77E, h0km, ML2.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Resolution for various stations.

STR 27 09:59:25.9, 0.4, 46N, 3.33E, h0km, ML1.7/7, Error ellipse: s-maj=0.0km s-min=0.0km az=180.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Resolution for various stations.

ROM 27 09:59:38.6, 0.1, 42.77N, 0.0003E, 13.185E, 0.004, h10km, ML1.2/16, 2C-3D, Error ellipse: s-maj=0.3km s-min=0.3km az=110.0, Central Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Resolution for various stations.

Table with columns: NRCA, comp=N, 142um, 1.0s, AML, AML, etc. Lists various astronomical observations with parameters like magnitude, position, and instrument.

ISK 27 10:02:55.4, 33°67'N, 32°01'E, h16km, ML3.2/15
GII 27 10:02:57.0, 0.0, 33°78'N, 0°00'32.151E, 0.001, h14km, Mws2.9, confirmed

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists numerous astronomical observations across various stations and wavelengths.

Table with columns: KKBE, comp=E, 13nm, 1.0s, i/AML, AML, 10 05 12.0, etc. Lists observations from the KKBE station.

RSNC 27 10:12:05.1±0.3, 8°N, 2°7'21W, h0km, M2.3, ML2.1
FUNV 27 10:12:05.3, 8°00'N, 71°61'W, h6km, MW3.1
ISC 27 10:12:04.2±1.3, 7°39'N, 0°04'71.53W, 0.003, h7km±11km, n15, ±f151/29, 2D, Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists observations from various stations including SOCV, CAPV, SDV, etc.

IDC 27 10:14:11.0, 0.0, 4.73S, 152°97E, h0km, mb5.0/29, mbmp5.0/31, ML4.5/2, MS4.2/25, Error ellipse: s-maj=16.5km s-min=10.4km az=86.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists observations from stations like RABL, H40PG, MANU, etc.

ISC 27 10:14:21.3±0.5, 4.73S, 0°04'152.86E, 0.005, h74km, 3km, n74km, PP-P, n760, ±f70/698, mb5.0/207, 14C-5D, New Britain region

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists numerous astronomical observations across various stations and wavelengths.

Main table with columns: ONTNC, comp=Z, 44nm, 0.8s, IAmb, IAmb, 10 19 30.0, etc. Lists observations from the ONTNC station and other locations like WATNI, YATOS, etc.

27d 10h

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MEEK Meekatharra, KMBL Kambalda, etc.

2019 MAY

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like DL2, DL2, DL2, etc.

1528

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like ULN, SOMM, SOMM, etc.

27d 10h

Table of station data for 27d 10h, listing station names, codes, coordinates, and various status indicators.

2019 MAY

Main table of station data for 2019 MAY, containing multiple columns of station information and data points.

1530

Table of station data for 1530, including station codes, names, and coordinates.

Table with columns: FITZ, P, 58.09, 260, P, P, 11 05 34.3 +1.0, etc. Includes stations like Pilaara Seismi, Morawa, South Pole Qui, etc.

ISN 27 10:57:07.7-0.6, 32.78N-46.35E, h6km, 3km, ML2.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Badra, Nam Barvizeh, Al-Rafai, etc.

ISC 27 10:58:39.1-1.1, 49.15N-0.07-18.69E, 0.05, h10km, n5,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Liptovska Anna, Vyhne, Velka Javorina, etc.

SDD 27 11:46:05.7-1.8, 18.52N-71.82W, h28km, 12km, MD2.4,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Jimani, El Aguacate, B, etc.

OSPL 27 11:46:07.1-2.1, 18.60N-71.67W, h10km, 13km, ML1.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like El Espartillar, Porphu-Prince, Presa de Saban, etc.

KOLA 27 12:04:13.0, 68.11N-33.25E, h0km, ML1.9, Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Apatity Array, Lovozero, Teriberka, etc.

SPITS Spitsbergen Ar 11.13 342 Pn Pn 12 06 48.7 -2.6

JMA 27 12:37:40.7-0.2, 25.1N-3.3E, 122.8E-0.8, h109km, 1km, MV2.1/9, NW OFF ISHIGAKIJIMA IS

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Yonagunijimaku, Yonaguni jima, Eos2, etc.

ISC 27 12:47:32.3-4.7, 9.66S-112.94E, h0km, mb3.0/3,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Warramunga Arr, Alice Springs, etc.

ISC 27 13:13:12.6-1.2, 22.33N-146.64E, h0km, mb3.5/6,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Warramunga Arr, Alice Springs, etc.

NEIC 27 13:34:00.1-1.2, 0.38N-0.04x122.08E-0.09, h190km, 7km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Marisa, Ampana, etc.

TOL2 Tolitoli 1.47 303 Pn Pn 13 34 32.3 +0.4

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Tolitoli, Tana Toraja, Sanana, etc.

NNC 27 13:49:42.2-0.5, 42.95N-78.53E, h2km, 2km, mb3.2,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like Saty, etc.

IDC 27 14:20:17.0:65.0,13.83S:165.43E,h0km,m3.8/3, mbmp3.8/3, Error ellipse: s-maj=1101.0km s-min=110.3km az=62.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes rows for STKA Stephens Creek, WRA Warramunga Arr, and ASAR Alice Springs.

IDC 27 14:21:44.5:0.9,45.97S:166.08E,h0km,m4.1/4, mbmp4.2/6,ML4.3/2,MS3.4/3, Error ellipse: s-maj=26.7km s-min=23.4km az=171.0

NEIC 27 14:21:44.3:1.9,46.5S:0.1:165.9E:0.1,h15km,g6km, mb4.5/8, Error ellipse: s-maj=23.5km s-min=5.2km az=147.0

WEL 27 14:21:46.7:1.1,46.5S:4.16E:1.1,h5km,M4.5/9,ML4.6/9, MLV4.5/9, Error ellipse: s-maj=7.6km s-min=5.3km az=81.9, confirmed

WEL 27 14:21:46.3:46.12S:166.04E,h6km,ML4.6,Mw4.3, Moment Tensor Solution: s Moment tensor: Scale 1015 Nm; Mw=0.52; Mw=0.91; Mw=0.38; Mw=0.22; Mw=0.07; Mw=2.56; Fault plane solution: M3.3,5000x1015 Np1; q=319.00000; p=85.00000; n=78.00000; NP2=74.00000; d13.00000; n=155.00000; Principal axes: T 3.6921, P139.00000, Azm38.00000; N -0.3181, P1g12.00000; Azm138.00000; P -3.3740, P1g49.00000; Azm24.00000; Stations used: PYZ WHZ AFZ EAZ WKZ OBLIQUE FAULTING

IDC 27 14:21:45.8:1.7,46.08S:0.06:165.96E:0.05,h12km,10km, n111, s1945121,mb4.5/10,MS3.4/3, Off west coast of South Island

Main table listing station data for the South Island region, including stations like PYZ Puysegur Point, RLNS Resolution Isl, DCZ Deep Cove, RHRKS Rarakau, etc.

Table listing station data for the South Pole Qui region, including stations like WB2 Warramunga Arr, WBO Warramunga Arr, FUNA Funafuti, etc.

IDC 27 14:23:11.2:3.0,36.28N:71.19E,h192km,27km,mb3.6/19, mbmp4.2/24, Error ellipse: s-maj=18.4km s-min=11.0km az=16.0

BUI 27 14:23:12.1:36.50N:71.19E,h121km,mb4.3/2,mb4.4/11 MOS 27 14:23:12.6:1.1,36.50N:71.17E,h210km,mb4.2/21, Error ellipse: s-maj=8.4km s-min=4.5km az=87.8

NEIC 27 14:23:14.5:2.5,36.46N:0.06:71.10E:0.09,h126km,6km, mb4.3/42, Error ellipse: s-maj=10.5km s-min=8.7km az=69.0

IDC 27 14:23:12.5:0.3,36.40N:0.04:71.15E:0.04,h200km,n203, s197223,mb4.2/58,12C-2D,Afghanistan-Tajikistan border region

Main table listing station data for the Afghanistan-Tajikistan border region, including stations like KBL Kabul, GAR Garm, SMIJ Simjangan, etc.

Main table listing station data for the IAML region, including stations like PTH PTH, PTH PTH, LGTI Lohaghat, etc.

Table with columns: NRK, comp, pmax, pmax, WRA, Warramunga Arr, 81.83 122 P, P, 14 35 08.6 -0.9, etc.

Table with columns: WRA, Warramunga Arr, 81.83 122 P, P, 14 35 08.6 -0.9, AFAD 27 14:29:36.3, 36°91'N, 27°67'E, h7km, 1km, ML2.0, etc.

Table with columns: mb4.0/4, Error ellipse: s-maj=36.0km s-min=13.7km, 1534, Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Panimavida, La Serena, San Fabian de, Punta Hualpin, Las Campanas, etc.

CATAC 27 15:38:54.0, 13.13N, 8.87W, h26km, M3.2/18, ML3.2/18, Error ellipse: s-maj=7.1km s-min=2.2km az=27.9, confirmed, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cosiguina Volc, Conchagua, La Caada, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PAVA, LOMA, LOMA, Rota Centro Neg, etc.

IDC 27 15:51:00.9, 17.0, 37.87N, 20.53E, h0km, mb3.8/7, mbmp3.8/7, MS3.0/2, Error ellipse: s-maj=32.6km s-min=38.2km az=36.0

THE 27 15:51:02.4, 37.77N, 10.21E, 0.9, h22km, 2km, M3.2/10, ML3.2/10

ATH 27 15:51:03.0, 37.64N, 21.31E, h10km, Manual Solution by A. Andreou First location: 2019/05/27 15:51:55, This location: 2020/08/10 16:43:53 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 0 km; Longitude uncertainty: 0 km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KATAKO, KRESTENA, KYLLINI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MAKANCHI ARRAY, ZALVO BEAM, NRIK NORI'SK.

TAP 27 15:56:52.9, 23.78N, 122.56E, h29km, ML2.9, D, JMA 27 15:56:53.0, 24.24N, 122.56E, 0.7, h23km, MV2.4/10, NW OFF ISHIGAKIJIMA IS

ISC 27 15:56:52.5, 1.2376N, 0.003, 122.52E, 0.003, h25km, 12km, n89, c086/144, 3C, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EODS, YONAGUNIJIMAKU, YONAGUNI JIMA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HMT Mount Humburg, HRV Holter Researc, DLMT Dillon, etc.

UCR 27 18:55:18.1±0.9, 10°14'N:82°56'W, h8km, 9km, MW4.1
CATAC 27 18:55:19.0±0.5, 10°N:2°8'3W, h21km, 5km, M3.6/10,
MLV3.6/10, Error ellipse: s-maj=8.0km s-min=4.7km

ISC 27 18:55:22.1±0.1, 10°18'N:0°04'.82'49W:0°04'.h20km, n49,
±1500/53.3D, North of Panama

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RGMO Gandoca, BRIBI Bribri, CEUA Cerro Uatsi, etc.

COVE Copee Vega, Sa 1.96 286 S Sb 18 27 37.3 -0.1
CORNA Casa Canada 2.05 345 eP Pb 18 27 37.8 -0.3
BCIP Isla Barro Col 2.80 111 eP Pb 18 27 39.6 -0.2
AOAC Acopya 3.18 304 P Pb 18 27 39.8 -0.5
BOAB BOAC BROADBAN 85 306 P Pb 18 27 54.7

IDC 27 19:07:03.5±4.6, 7.18S:127.67E, h259km±50km, mb3.1/5,
mbmp3.6/8, Error ellipse: s-maj=52.7km s-min=20.1km
az=67.0
DJA 27 19:07:03.0±0.5, 7.7S:7.12°18'E, h233km, 1.4km, M4.3/8,
mb4.1/5, MLV4.4/8

ISC 27 19:07:02.1±0.7, 7.25S:107.127.52E:0.08, h250km, n15,
±2507/19, mb3.4/5, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SAUI Saumlaki, SOEI Soe, BATI Baumata, etc.

DJA 27 19:30:25.9±0.4, 4.5S:5.13°16'E, h10km, M4.0/10, mb4.6/1,
mb4.3/3, MLV3.9/10, Mw(MB)3.8/1
IDC 27 19:30:32.3±2.2, 4.10S:136.22E, h68km±32km, mb3.4/6,
mbmp3.6/10, ML3.4/4, Error ellipse: s-maj=25.3km

ISC 27 19:30:27.4±0.8, 3.98S:108.136.07E:0.06, h24km, n18,
±145/20, mb3.7/6, Irian Jaya

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SRPI Serui, Papua, KMPI Kaimana, BAKI Baki, etc.

TAP 27 19:39:16.9±2.4, 54°N:122.86E, h94km, ML2.7, C
JMA 27 19:39:17.3±0.2, 24°N:2.122°8E:0.6, h93km, 1km,
MV2.0/13, NW OFF ISHIGAKIJIMA IS

ISC 27 19:39:16.8±1.1, 24.46N:0.05:122.85E:0.03, h98km, 8km,
n61, ±0°71/107, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YONG Yonagunijimaku, YONG Yonaguni jima, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWA Mucha, ETLH Xiulin Townshi, NHDH Xindian Distri, etc.

IDC 27 19:51:57.9±1.1, 1.13°03'N:125.18E, h0km, mb3.7/7,
s-min=16.9km az=64.0
ISC 27 19:52:03.9±1.1, 1.23N:0.2:125.00E:0.2, h41km, n22,
±059/9, mb3.7/8, MS2.4/3, Samar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TGY Tagaytay City, DAV Davao City (W), JOW Kunigami, etc.

IDC 27 20:14:24.2±2.2, 25°15'N:123.37E, h122km, 42km, mb3.1/8,
mbmp3.5/9, MS2.6/1, Error ellipse: s-maj=35.0km
s-min=17.6km az=60.0
JMA 27 20:14:26.4±0.2, 25°N:2.123°3E:0.5, h132km, 2km,
MV3.0/18, NW OFF ISHIGAKIJIMA IS

ISC 27 20:14:25.4±0.8, 25.03N:0.08:123.32E:0.04, h136km±7km,
n35, ±1°06/47, mb3.3/8, Northeast of Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, etc.

Table of station data for YHNB Yeheng, JM2J Miyako jima3, JM2J Gusakube, etc.

Table of station data for JOW Kunigami, JOW Kunigami, KJRW Korea Array, etc.

DNK 27.20:49.27.6:1.6, 82.01Nk.3:52W, h36km, 13km, ML2.4, BER 27.20:49.27.9:5.9, 81.30Nk.4:38W, h15km, 45km, mb(Pn)3/6, ML3.2(NAO). Confirmed Earthquake

FCIAR 27.20:49.29.0, 81.62Nk.3:95W, h10km, station ZF12 has station magnitude of 3.70 station OMEGA has station magnitude of 3.80

KOLA 27.20:49.20.1, 81.79Nk.3:58W, h0km, ML 1.8, Arctic Ocean, Krniovich ridge, north ISC 27.20:49.22.0:9, 81.95Nk.0:07, 4:64W, h10km, n36, c=318/69, North of Svalbard

Main table of station data for NOR Nord, NOR Nord, NOR Nord, etc.

IDC 27.20:54.37.0:1.9, 9.78S-150:37E, h0km, mb3.6/3, mbtmp3.6/5, ML2.6/2, MS2.4/2, Error ellipse: s-maj=36.6km s-min=22.2km az=14.0, Eastern New

Table of station data for PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, etc.

IDC 27.20:55:32.8:1.1, 34.43Nk.46:07E, h0km, mb3.8/14, mbtmp3.8/21, ML3.5/7, MS3.0/9, Error ellipse: s-maj=20.8km s-min=13.8km az=164.0

Table of station data for IDHR Dehrash, IGHG Ghaleghazi, KGSI Ghasr-e-Shirin, etc.

Main table of station data for IDKR Kirkuk, IDKR Kirkuk, IDKR Kirkuk, etc.

Table of station data for SOHO Araji, ARO Araji, ARO Araji, etc.

Table of station data for AK07 Malin Array Si, AK09 Malin Array Si, AK10 Malin Array Si, etc.

Table of station data for AAK Ala-Archa, MORH Mrgh, Hungar, NIE Niedzica, etc.

Table of station data for BVAR Borovoye Array, BVAR Borovoye Array, BVAR Borovoye Array, etc.

Table of station data for GRES GRESS Array B, GRES GRESS Array B, GRES GRESS Array B, etc.

Table of station data for HSPB Hornsund (broa), HSPB Hornsund (broa), HSPB Hornsund (broa), etc.

Table of station data for MSFV Nesavu, FUTU Fugatoga, AFU Afiamalu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR Alice Springs, ASAR Alice Springs, ASAR Old Harbo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JMA 27 21:25:17.8, JMA Felt J1, Honshu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EADA Adamuz, EADA Adamuz, EADA Adamuz, etc.

ATH 27 21:02:02.8,37.61N,20.48E,h13km,2km,ML2.2/6, Manual Solution by A.Moschou First location: 2019/05/27 21:03:04, This location: 2019/05/28 03:49:29

SONM Songoing Array 27.74 307 P 21 30 58.4 -0.7

DJA 27 21:44:56.7,0.4,9.5'S,5.1'19'E,h88km,7km,ML3.8/8, mb4.0/1,ML3.7/8,Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ORTH Orthones,Zaky, LTHK Lithakia, LTHK Lithakia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H1N2 WAKE ISLAND Hy 28.39 117 T, H1N1 WAKE ISLAND Hy 28.40 117 T, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PLAI Plampang, WBSI Waikabubak, WBSI Waingapu, etc.

AFAD 27 21:10:37.8,38.77N,43.35E,h7km,2km,ML2.2 ISK 27 21:10:37.7,38.76N,43.35E,h3km,ML2.7/6

ASAR Alice Springs 59.25 187 P 21 35 11.5 +0.1

DC 27 21:56:10.1,1.2,3.0,63'S,71.83W,h0km,mb4.1/3, mbmp3.9/6,ML3.7/3,MS3.1/3, Error ellipse: s-maj=55.5km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB Van, TVAN Van, ERVC ERCIS-VAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR Alice Springs, FINES FINES Array B, AKASG Malin Array Be, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CO06 Fray Jorge, CO06 Fray Jorge, CO02 Combarbal, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DBBC Dabeiba, UREC San Jos de Ur, APAC Apartado, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ANER Nerja, EGOR Sierra Gorda, EGOR Sierra Gorda, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AC04 Llanos de Chal, PEI Penedas, MT05 Renca, etc.

IDC 27 21:25:06.4,1.5,35.90N,140.92E,h0km,mb3.7/9, mbmp3.8/12,ML3.6/3,MS2.0/1, Error ellipse:

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MT13 San Alfonso, G003 Copiapo, LMEL Las Melosas, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AC02 Maricunga, AC02 comp=E,4um,0.2s, AC02 Maricunga, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SEY Seymchan, KURBB Kurchatov Arr, KURBB comp=2.1,1nm,0.5s, etc.

Table with columns for station ID, name, and various parameters (e.g., 1.23 47 Pg Pn 23 17 05.2 +0.6). Includes stations like Ubeda, Jaen, Quesada, Ceuta, Conil, San Fernando, etc.

Table with columns for station ID, name, and various parameters (e.g., 3.18 316 ePn Pn 23 17 38.8 +1.8). Includes stations like Marv??o, JBK, Universidad Co, Marnelete, Sao Teotonio, etc.

Table with columns for station ID, name, and various parameters (e.g., 5.05 341 Sn Sn 23 18 55.9 +0.9). Includes stations like Calabor, Cabril, Horta de San J, Lobios, San Caprasio, etc.

SKHL 27.23:20:37.3:0.2,45:00N:149:80E,h43km,2km,mb4.5/2
JMA 27.23:20:38.4:1.2,45°N:5°15'E:1, h30km, MV4.1/14, SE
OFF ETORFU
ISC 27.23:20:37.9:4.4,45:00N:0:149:80E:0.2,h51km,n16,
e203/26, Kuril Islands

Table with columns for station ID, name, and various parameters (e.g., 1.37 282 Op Pn 23 20 59.0 -1.7). Includes stations like Kuril'sk, Shikotan, Niouine, etc.

SOME 27.23:21:19.9,43:32N:84:32E,h15km
NVC 27.23:21:22.1,2.1,43:35N:84:16E,h0km,mb4.1,mpv3.8,
Error ellipse: s-maj=21.3km s-min=13.7km az=3.0,
IDC 27.23:21:27.4,3.5,43.51N:84:10E,h0km,mbmp3.2/3,
ML2.6/3, Error ellipse: s-maj=33.2km s-min=32.7km
az=37.0
ISC 27.23:21:23.3:1.4,43:45N:0:07:84:16E:0.07,h10km,n30,
e282/32, Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Rows include stations like BLB Baldybastay, ZHN Zhnishke, SATY Sathy, ARXS Arhaly, etc.

ICC 27 23:23:13.5-4.9, 23.05S-179.44W, h433km, 5.1km, mb3.3/9, mbmp4.2/11, Error ellipse: s-maj=31.6km s-min=16.8km az=64.0

NOU 27 23:23:16.2, 23.31S-179.17W, h473km, mb4.3/16, South of Fiji Islands

NEIC 27 23:23:18.3-2.0, 23.0S-0.1x179.2W-0.1, h524km, 1.1km, mb4.3/19, Error ellipse: s-maj=21.3km s-min=16.6km az=142.0

ISC 27 23:23:17.3-0.5, 23.17S-0.06x179.21W-0.07, h500km, n2, s=166/91, mb4.0/19, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Rows include stations like MSFV Nonsavu, GLKZ Green Lake, DGTI Dogotuki, etc.

Table with columns: WHZ, EIDS, CTAO, TOO, STKA, BBOO, AS31, ASAR, WRR, WRA, VNT, FORD, CASY, QSPA, MJAR, PETK, MAW, CRFM, COLA, MTO3, PB11, HFS. Rows include stations like Wether Hill Ro, Eidsvold, Charters Tower, Toolangi, etc.

ICC 27 23:25:18.4-4.4, 36.32N-71.11E, h212km, 39km, mb3.3/11, mbmp4.0/16, MS3.1/1, Error ellipse: s-maj=31.7km s-min=18.3km az=7.0

ISC 27 23:25:17.9-1.0, 36.41N-0.09x71.00E-0.10, h200km, n33, s=134/35, mb3.5/10, C-31D, Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Rows include stations like IUG luzhnay, AML Almayayhu, UCH Uchter, MRKS Merke, EK2S Erkin-Say, etc.

NEIC 27 23:29:32.4-1.7, 56.34S-0.08x27.8W-0.1, h115km, 3km, mb5.6/207, Mb5.7/35, Mw5.7/31, Error ellipse: s-maj=12.8km s-min=9.9km az=222.0, Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mr:4.4; Ms:2.39; Mw:2.09; Mo:1.65; M0:0.85; M0:0.44; Fault plane solution: M0:3.2000x10^17, NP1:3.246.38000, 54.37000, 104.16000. NP2:42.96000, 837.99000, 1.71.15000. Principal axes: T 4.9079, Plg7.0000, Azm201.0000; N -1.6641, Plg11.0000, Azm58.0000; P -3.2438, Plg6.0000, Azm326.0000. NEIC 27 23:29:32.3, 56.31S-27.71W, h116km, NEIC 27 23:29:32.5, 56.31S-27.71W, h120km, MOS 27 23:29:32.1, 1.0, 56.29S-27.80W, h124km, mb5.6/18, Error ellipse: s-maj=15.8km s-min=9.3km az=108.7, NEIC 27 23:29:32.5, 56.31S-27.38W, h120km, Moment Tensor Solution. Duration: 3.8. Moment tensor: Scale 10^17Nm; Mr:3.96; Ms:2.18; Mw:1.78; Mo:2.68; Mw:2.79; M0:0.46; Fault plane solution: M0:5.19000x10^17, NP1: 62.75000, 834.44000, 157.64000. NP2:245.08000, 61.47000, 110.15000. Principal axes: T 5.0163, Plg67.0000, Azm194.0000; N 0.3379, Plg18.0000, Azm55.0000; P -5.3542, Plg14.0000, Azm32.10000. IDC 27 23:29:34.0-4.0, 56.27S-27.69W, h135km, 3km, mb5.1/17, mbmp5.6/19, MS4.9/30, Error ellipse: s-maj=9.7km s-min=7.7km az=43.0, GCMT 27 23:29:35.4-0.1, 56.39S-0.01x27.31W-0.01, h122km, Mw5.8/168, Moment Tensor Solution. s158.c316; s168.c357; Duration: 1.99. Moment tensor: Scale 10^17 Nm; Mr:4.81; Ms:0.4; Mw:3.05; M0:1.75; M0:6; Mw:2.72; Mw:3.03; Mw:0.20; Mw:0.20; Best double couple: M0:5.95900x10^17, NP1:34.00000, 836.00000, 1.62.00000. NP2:247.00000, 859.00000, 1.09.00000. Principal axes: T 5.7360, Plg70.0000, Azm198.0000; N 0.2540, Plg16.0000, Azm57.0000; P -5.9810, Plg12.0000, Azm324.0000. nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. ISC 27 23:29:33.7-0.3, 56.32S-0.04x27.73W-0.04, h131km, 2km, h131km, pp-P, n1026, s1131090, mb5.6/139, 23C-9D, South Sandwich Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Rows include stations like HOPE Hope Point, HOPE Hope Point, ESPZ Base Esperanza, VNA1 Neumayer-Stat, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Status, and other details. Includes entries for BI02, PARB, MAN01, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Status, and other details. Includes entries for ARAG, PB10, PB06, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Status, and other details. Includes entries for NNA, NNA, MAL2, etc.

27d 23h

Table with columns for station name, frequency, and signal strength. Includes stations like PIRO, NELY, ANWB, RPZ, ALCO, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like TMVZ, WTVZ, NTVZ, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like EIDS, EIDS, ASAR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SUE, OSK, SKAR, PDAR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KIRV, KIRV, EKSS, ERKIN-SAY, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BBB, YKA, YKA, YKAW, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like G29M Pine Creek, CR7Q Cirque, M24K Willow, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like MCK McKinley, M24K Willow, OHAK Old Harbor, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like N17K Nushagak Hills, P16K Nushagak River, SDPT Sand Point, etc.

Table with columns for station ID, name, frequency, power, and status. Includes stations like SUA, SEW, RC01, P18K, M20K, M19K, PMR, L19K, KNK, GHO, N17K, CUT, KDAK, L18K, R18K, HIN, SCM, FID, OHAK, P16K, Q23K, TTA, CAST, EYAK, TRF, PLBL, DIV, KTH, M24K, RND, CHUM, K17K, R16K, R16K, SII, SII, N15K, N15K, GOAT, RAGM, MCK, MCK, O15K, BMRM, BMRM, J20K, KAIM.

Table with columns for station ID, name, frequency, power, and status. Includes stations like KAIM, N25K, HMT, BWN, PAX, SUCK, BERG, WASW, GRIN, O14K, KHIT, CROM, N14K, NEA2, I20K, WRH, CHIR, CHIR, MCARA, K24K, WAX, TGL, CCB, CCB, J16K, I21K, CYK, PTPK, RIDG, M26K, M26K, COLA, COLA, I23K, I23K, L14K, L14K, L14K, L26K, IL31, ILAR, ILAR, DOT, DOT, DOT, I17K, VNHG, CTGM, BCAR, F14K, K13K, PRP, K27K, H16K, G16K, G16K, SDPT, CHNA, CNBA, H25L, C24K, G16K, O29M, YUK6, F21K, COLD, FV1J, G15K, HYT, ANM, E19K, F24K, F16K, E22K, BMAR, E19K, PLBC, ISLZ, F14K, SKAG, SKAG, D22K, WHY, D20K, D23K, D17K, M31M, C21K, D21K, BESE, G29M, R32K, P32M.

Table with columns for station ID, name, frequency, power, and status. Includes stations like JIS, JIS, B21K, C17K, SIT, AKBA, C24K, C23K, P33M, C16K, H18M, UNV, B20K, E28M, C27K, Q32M, E29M, MPMY, G31M, R33M, U33K, CRAG, INK, DLBC, DLBC, NIKH, U3SK, HIOB, WRGLY, HG4B, ATKA, C36M, J4K, ADK, KIWB, YKA, BILL, BFILL, MFID, MA2, MA2, MA2, YMR, NVAR, TIXI, TIXI, SPITS, KLR, NRIK, USRK, MJAB, ARCES, KSRS, ULN, SONM, ZALV, HHC, FINES, HFS, ARTI, BVAR, KURBB, EKA, LYN, LYN, MKAR, GTA, GTA, GTA, AKTO, AKASO, AAK, GERES, MOA, MOTA, RONA, WTTA, DAVOX, KBA, SOKA, OBKA, MLR, KBZ, ESCD, GNI, CMAR, CMAR, KEST, BOSA.

comp=Z,5.9nm,0.5s,baz=358,slow=2.5,SNR=36

QSPA South Pole Qui 150.03 10m PKPbc PKPbc 00 04 24.7 +0.4

comp=Z,3.7nm,0.7s,baz=338,slow=1.2,SNR=4.0

MAW Mawson 163.02 29m PKPbc PKPbc 00 05 23.5 -2.9

comp=Z,3.8nm,0.9s,baz=117,slow=4.0,SNR=3.8

IDC 28 00:00:52.3±7.4, 22°18S×177.89W, h0km, mb4.0/5, mbtmp4.0/5, MS4.5/1, Error ellipse: s-maj=179.9km s-min=35.9km az=30.4, South of Fiji Islands

Code Station Name A° AZ° Op Phase ID h m s ISC Res

STKA Stephens Creek 37.18 246 P P 00 09 03.9 -0.1

ASAR Alice Springs 44.26 258 P P 00 09 06.8 +0.9

WRA Warramunga Arr 44.49 264 P LR 00 28 09.5

VNDA Vanda 56.26 185 P P 00 10 33.8 -0.3

QSPA South Pole Qui 67.90 180 P P 00 11 52.8 +0.2

IDC 28 00:28:38.2±2.3, 7°24'S: 129°28'E, h125km±21km, mb4.0/15, mbtmp4.0/19, Error ellipse: s-maj=21.2km s-min=12.4km az=67.0

DJA 28 00:28:39.1±0.3, 7°53'±13"0E", h195km±9km, M4.9/16, mb5.4/11, mb4.8/13, MLV5.1/16, Mv(mb)4.8/11

NEIC 28 00:28:40.0±2.1, 7°20'S:0.05×129°51'E±0.06, h137km±7km, mb4.6/28, Error ellipse: s-maj=9.8km s-min=5.4km az=131.0

Code Station Name A° AZ° Op Phase ID h m s ISC Res

SAUI Saumlaki 1.92 113 P Sn 00 29 14.8 +1.6

BNDI Bandanaira 2.72 8 P Pn 00 29 27.5 +4.5

MSAI Masohi 3.71 359 P Pn 00 29 38.4 +2.4

NRKI Namlea 4.64 329 P Pn 00 29 50.4 +2.3

FAKI Fak Fak 5.08 33 Pn 00 29 52.8 -1.1

DRS Darwin Rock St 5.34 165 P Pn 00 29 58.0 +0.6

KMPI Kaimana, Papua 5.47 50 P Sn 00 29 59.0 -0.2

SOEI Soe 5.76 244 P Pn 00 30 04.3 +1.1

MTN Mantou Dam 5.80 164 P Pn 00 30 03.6 +0.1

BATI Baumatua 6.15 152 P Sn 00 30 07.7 -0.6

SWI Sorong 6.56 15 P Pn 00 30 12.3 -1.5

BBSI Bau Bau 7.12 284 P Pn 00 30 23.1 +1.9

MMRI Maumere 7.34 259 Pn 00 30 24.5 +0.3

RKPI Ransiki, Papua 7.34 39 P Pn 00 30 23.6 -0.7

EDFI Ende, Flores 7.89 258 P Pn 00 30 33.4 +1.6

TNTI Ternate 8.23 245 Pn 00 30 37.3 -2.5

KNRA Kunurra 8.42 185 P Pn 00 30 37.3 -1.4

SRPI Serui, Papua 8.56 52 P Pn 00 30 39.2 -1.4

BAKI Biak 8.90 48 P Pn 00 30 45.8 +0.6

LUWI Luwuk 9.11 312 P Pn 00 30 53.3 +5.3

BASI Baing, Sumba 9.32 251 P Pn 00 30 49.3 -1.5

WSI Waingapu 9.43 254 P Pn 00 30 51.7 -0.6

SMPI Sarmi 10.54 61 P Pn 00 31 04.4 -2.7

FITZ Fitzroy Crossi 11.44 199 P Pn 00 31 15.8 -3.1

FITZ Fitzroy Crossi 11.44 199 P Pn 00 31 15.9 -3.0

FIBZ Tabuli 11.80 91 P Pn 00 31 26.5 +2.7

TOL2 Toltoli 12.03 313 P Pn 00 31 29.1 +2.5

JAY Jayapura 12.09 68 P Pn 00 31 29.3 +1.7

WRA Warramunga Arr 13.47 160 P Sn 00 31 42.1 -3.2

COEN Coenen 14.99 118 Pn 00 32 02.8 -1.7

COEN Coen 14.99 118 P Pn 00 32 06.3 -0.3

QJIS Jagaj, Banyuwaja 15.27 264 P Pn 00 32 06.4 +1.1

GAG Mount Isa 16.46 145 P Pn 00 32 26.0 -0.2

MBWA Marble Bar 16.77 213 P Iamb 00 32 42.0

MBWA Marble Bar 16.77 213 P Iamb 00 32 42.0

ASAR Alice Springs 16.87 166 P Pn 00 32 27.4 +1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

ASAR Alice Springs 16.88 166 P Pn 00 32 26.3 -1.1

comp=Z,1.9nm,0.3s,baz=140,slow=7.2,SNR=13

CHTO Chiang Mai 39.73 311 P P 00 35 57.6 -1.2

NJ2 Nanjing 40.37 346 eP pmax 00 36 05.5 +1.7

KRSR Korea Array 44.48 358 P P 00 36 36.9 -0.1

FUNA Funafuti 49.20 95 P P 00 37 14.2 0.0

HHC Hu-ho-hao-tee 50.62 342 eP pmax 00 37 27.5 +3.0

USA0B USSuryik Arra 51.24 2 P P 00 37 28.0 -1.0

USA0B USSuryik Arra 51.24 2 P P 00 37 29.0 0.0

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

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USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

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USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

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USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

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USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

USA0B USSuryik Arra 51.24 2 P P 00 37 28.8 -0.1

DBG Daneborg 5.84 305 eP Pn 00 36 18.4 -2.4

DBG Daneborg 5.84 305 eS Sn 00 37 19.4 -8.3

DBG Daneborg 5.84 305 eS Sn 00 36 18.5 -2.4

DBG Daneborg 5.84 305 i/S IAML 00 37 20.1 -7.6

DBG Daneborg 5.84 305 IAML 00 37 24.3

DBG Daneborg 5.84 305 eP Pn 00 36 28.5 -0.6

DBG Daneborg 5.84 305 Pn Pn 00 36 28.5 -0.6

DBG Daneborg 5.84 305 Pn Pn 00 36 28.5 -0.6

DBG Daneborg 5.84 305 eP Pn 00 36 28.4 -1.2

DBG Daneborg 5.84 305 eS Sn 00 36 29.5 -0.7

DBG Daneborg 5.84 305 eS Sn 00 37 38.6 -6.6

DBG Daneborg 5.84 305 IAML 00 37 41.7

DAG Danmarks Havn 6.74 327 P Pn 00 36 32.0 -1.3

DAG Danmarks Havn 6.74 327 eS Sn 00 36 31.4 -1.9

DAG Danmarks Havn 6.74 327 eS Sn 00 36 36.7 -1.3

DAG Danmarks Havn 6.74 327 eS Sn 00 36 31.0 -2.3

DAG Danmarks Havn 6.74 327 eS Sn 00 37 38.1 -1.2

DAG Danmarks Havn 6.74 327 eS Sn 00 37 41.3

STEI Steigen 7.17 113 eP Pn 00 36 38.0 -1.1

STEI Steigen 7.17 113 eS Sn 00 37 50.5 -1.0

STEI Steigen 7.17 113 IAML 00 37 54.7

HSPB Hornsund (broa 7.21 34 Pn Pn 00 36 39.5 -0.3

HSPB Hornsund (broa 7.21 34 eP Pn 00 36 39.1 -0.6

HSPB Hornsund (broa 7.21 34 Pn Pn 00 36 39.2 -0.8

HSPB Hornsund (broa 7.21 34 eP Pn 00 36 39.4 -2.6

HSPB Hornsund (broa 7.21 34 eS Sn 00 37 56.6 -9.0

HSPB Hornsund (broa 7.21 34 IAML 00 38 05.0

HSPB Hornsund (broa 7.21 34 Pn Pn 00 36 42.8 -0.3

HSPB Hornsund (broa 7.21 34 eP Pn 00 37 55.4

HSPB Hornsund (broa 7.21 34 IAML 00 38 03.3

FAUS Fauske 7.54 116 Pn Sn 00 36 43.9 -0.4

FAUS Fauske 7.54 116 Pn Sn 00 36 43.0 -7.8

FAUS Fauske 7.54 116 eS Sn 00 36 43.9 -0.4

FAUS Fauske 7.54 116 eS Sn 00 37 59.4 -1.0

FAUS Fauske 7.54 116 IAML 00 38 08.4

KONS Kongsvik 7.59 125 Pn Pn 00 36 43.7 -1.2

KONS Kongsvik 7.59 125 Pn Sn 00 36 02.6 -8.3

KONS Kongsvik 7.59 125 eS Sn 00 36 43.8 -1.2

KONS Kongsvik 7.59 125 eS Sn 00 38 02.1 -8.8

KONS Kongsvik 7.59 125 IAML 00 38 05.4

STOK Stokkvaagen 7.69 126 Pn Sn 00 36 45.2 -1.1

STOK Stokkvaagen 7.69 126 Pn Sn 00 38 03.9 -1.0

STOK Stokkvaagen 7.69 126 eS Sn 00 36 45.3 -1.1

STOK Stokkvaagen 7.69 126 eS Sn 00 38 03.4 -1.0

STOK Stokkvaagen 7.69 126 IAML 00 38 09.2

BRBA Barentsburg A 7.73 26 Pn Pn 00 36 47.0 +0.2

BRBA Barentsburg A 7.73 26 eP Pn 00 36 47.0 +0.2

BRBA Barentsburg B 7.75 26 Pn Pn 00 36 47.6 +0.4

BRBA Barentsburg B 7.75 26 eP Pn 00 36 47.5 +0.3

BRBA Barentsburg C 7.78 26 Pn Pn 00 36 47.1 -1.8

BRBA Barentsburg D 7.88 24 Pn Pn 00 36 47.1 -1.8

BRBA Barentsburg E 7.88 24 Pn Pn 00 36 47.1 -1.8

BRBA Barentsburg F 7.89 27 eP Pn 00 36 48.3 -0.8

BRBA Barentsburg G 7.89 27 eS Sn 00 38 07.8 -1.0

BRBA Barentsburg H 7.89 27 IAML 00 38 13.1

SPBA Spitsbergen A 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen B 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen C 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen D 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen E 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen F 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen G 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen H 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen I 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen J 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen K 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen L 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen M 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen N 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen O 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen P 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen Q 8.13 28 Pn Pn 00 36 53.2 +0.9

SPBA Spitsbergen R 8.13 28 Pn Pn 00 36 53.2 +0.9

28d Oh

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like EKA, VSU, LSH, KLMMR, etc.

2019 MAY

Main listing table with columns: Station, Frequency, Power, and other technical details. Includes stations like LANS, MIDS, STHS, etc.

1550

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like BNN, KOPT, YKA, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Little Creek M, Albuquerque, ANMO, etc.

NEIC 28 00:36:34.0t 1.9, 35°05N, 0°02:142°9E:0.1, h10km, 2km, mb4.2/2, Error ellipse: s-maj=18.2km s-min=3.0km az=95.0

IDC 28 00:36:35.2t 0.8, 35°10N: 142°55E, h0km, mb3.8/17, mbmp3.8/22, ML3.6/5, MS3.1/1, Error ellipse: s-maj=18.2km s-min=17.5km az=138.0

JMA 28 00:36:37.8t 0.3, 35°1N: 0.8h 14°3E:1, h53km, MV4.2/40, FAR E OFF CENTRAL HONSHU

ISC 28 00:36:39.9t 0.7, 35°10N: 0°05:142°55E:0.07, h42km, n52, r180/62, mb3.8/19, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Boso 1, Boso 2, Boso 3, Boso 4, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KK31 Kararay Array, WRA Warrunganga Arr, ARTI Art, etc.

IDC 28 00:38:22.5t 7.4, 3°12N: 96°02E, h0km, mb3.7/5, mbmp3.7/5, ML5.3/1, Error ellipse: s-maj=315.2km s-min=1.1km az=52.0, Northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LEM Lembang, H0S2 Diego Garcia H, H0S3 Diego Garcia H, etc.

SJA 28 00:53:05.0t 0.6, 20°56S: 69°01W, h106km, 3km, ML3.6, MV3.6

GUC 28 00:53:05.0t 0.6, 20°61S: 68°94W, h106km, 3km, ML3.6

ISC 28 00:57:02.1t 4.2, 20°58S: 69°03E: 68°97W: 0.06, h100km, 8km, n30, e151/53, 7C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB08 IPOC Station P, PB08 IPOC Station P, PB08 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB05 IPOC Station P, AP01 Chacalluta, AP01 Chacalluta, etc.

IDC 28 00:56:36.6t 0.8, 5°00S: 100°84E, h0km, mb4.2/18, mbmp4.2/20, ML4.0/2, MS3.6/9, Error ellipse: s-maj=29.0km s-min=13.9km az=57.0

NEIC 28 00:56:38.2t 2.4, 5°07S: 100°73E: 0.07, h10km, 1km, mb4.7/25, Error ellipse: s-maj=12.8km s-min=12.4km az=224.0

DJA 28 00:56:39.6t 1.9, 5°5'S: 10°1'E:1, h19km, 20km, M4.7/14, mB5.3/2, mb4.7/13, MLV4.7/14, MW(mB)4.7/2

ISC 28 00:56:39.4t 0.5, 5°13S: 0°06: 100°78E: 0.08, h22km, n112, r154/93, mb4.6/41, MS4.0/16, 2D, Southwest of Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MNAI Manna, MNAI Manna, KSI Kapahiang, etc.

s-min=12.7km az=171.0
NEIC 28 01:29:51.7, 1.2, 43.52N, 0.09:146.8E, 0.1, h81km, 6km,
mb4.3/34, Error ellipse: s-maj=13.2km s-min=10.1km

az=200.0
ISC 28 01:29:49.7, 0.8, 43.47N, 0.05:146.99E, 0.05, h73km, 6km,
h377, s1549/394, mb4.2/46, 7C-2D, Kuril Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like SHO Shikotan, NEM2 Nemuro 2, NMR Nemuro-Hokkai, YUK Yuzh-Kuril'sk, etc.

Table with columns: ZEA Zeya, ZEA Zeya, ZEA Seymchan, ULN Ulaanbaatar, SONM Songino Array, H11N2 WAKE ISLAND Hy 28.96 139 T, etc.

Table with columns: O18K Koktuh Hills, P18K Big Mountain, CHIR Chirikof Islan, Q18K Katmai Hardscr, L19K White Mountain, D20K Etivluk River, F20K Avarast Lake, E20K Nigu River, B20K Meade River, H20K Bonanza Creek, H20K Anotlenegga Mo, M19K Big River Lodg, O19K Port Alsworth, I20K Naaghedeneel, R18K Karluk, K20K Teldia, J20K Nowinta River, L20K Farewell, AK, S11 Sitkinak Islan, Q19K Cape Douglas, C21K Knifblade Rid, M20K Styx River, P19K Oil Fl, G21K Allakaket, G21K Allakaket, B21K Ikpkuk River, E21K Killik River, F21K Alatina River, H21K Melozitna Rive, H21K, PPLA Purkeypile, N20K Mount Spurr, CAST Castle Rocks, KDAK Kodiak Island, KDAK Kodiak Island, Q20K Shuyak Island, I21K Tanana, B22K Teshekpuk Lake, D22K Ayikyak River, F22K John River, SKT Shtintna, H22K Ishlitalina Cre, E22K Anaktuvok Pass, G22K Bettles, BPAW Bear Paw Mtn, CAPN Captain Cook N, SUA Susitna One, BRSE Bradley Lake S, TRF Thorofare Moun, CUT Chulina, COLD Coldfoot, G23K Banaza Creek, C23K Itkillik River, H23K Yukon River, RCO1 Rabbit Creek A, I23K Minto, Yukon-K, E23K Chandalar, TOLK Toolik Lake Re, NEA2 Nenana, NEA2 Nenana, SEW Seward, MCK McKinley, PMR Palmer, ZALV Zalesovo Beam, ZALV Zalesovo Beam, D24K Happy Valley, E24K Your Creek, C24K Franklin Bluff, KNK Knik Glacier, SML Sawmill, H24K Noor Dome, F24K Squaw Lake, PWL Port Wells, G24K Hadweenzic Riv, POKR Poker Plat Res, M23K Glacier View, HDA Harding Lake, SCM Sheep Creek Mo, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, P23K Montague Islan, GLI Glacier Island

Table with columns: ID, Name, Az, El, AzE, ElE, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzO, ElO, AzP, ElP, AzC, ElC, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like G25K Bearman Lake, H25L Birch Creek, F25K Christian River, etc.

Table with columns: ID, Name, Az, El, AzE, ElE, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like P29M Windy Craggy, H31M Peel River, H31M comp=Z, 4.1nm, 0.8s, P30M Million Dollar, etc.

Table with columns: ID, Name, Az, El, AzE, ElE, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like CLL Collm, EKA Eskdalemuir Ar, VHRN Van Horn, etc.

ISN 28 01:50:09.9, 0.4, 34.66N, 46.31E, h12km, 5km, ML2.9
TEH 28 01:50:10.0, 0.34, 66N, 46.31E, h10km, 22km
ISC 28 01:50:10.0, 1.0, 34.65N, 0.04, 46.30E, 0.03, h11km, 8km, n13, c061/17, Western Iran

Table with columns: Code, Station Name, Az, El, AzE, ElE, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like IDHR Dehrash, IDHR Ghaleghazi, IGHG Ghaleghazi, etc.

NOU 28 02:08:35.6, 37.52S, 176.96E, h0km, MLV3.3/6, North Island, New Zealand
WEL 28 02:08:36.6, 37.54S, 177.15E, h5km, ML3.5, Mw3.7, Moment tensor: Scale 10^14

Moment tensor: Scale 10^14
M1: M1-3.9; M2: M2-1.7; M3: M3-0.82; M4: M4-0.82; M5: M5-3.96;
M6: M6-1.39; Fault plane solution: M4, 880000x10^14 NP1:
0.31, 0.0000, 0.85, 0.0000, -1, -103, 0.0000, NP2:
0.23, 0.0000, 0.37, 0.0000, -1, -70, 0.0000, Principal axes:
T: 5.99, P: 9.00, N: 17.00, Azm: 30.0000, P: -3.7780, Plg: 6.0000,
U: 261.0000, Stations used: HAZ URZ MWZ TOZ KUZ
MKAZ BKZ NORMAL FAULTING
WEL 28 02:08:36.2, 0.4, 38.54S, 177.7E, h5km, 4km, M3.6/24,
ML3.8/24, MLV3.6/24 Error ellipse: s-maj=4.7km
s-min=2.6km az=9.9, confirmed
ISC 28 02:08:35.3, 1.0, 37.49S, 0.04, 177.07E, 0.03, h9km, 7km,
n47, c063/55, Off east coast of North Island

Table with columns: Code, Station Name, Az, El, AzE, ElE, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like WSRZ White Island S, WSRZ White Island, WIZ White Island, etc.

GRAL 28 02:29:01.0, 0.4, 33.73N, 34.97E, h32km, 1km, MD2.7
GII 28 02:29:01.0, 0.31, 35.0N, 0.010, 34.99E, 0.004,
h2km, Mw1.9, confirmed
ISC 28 02:28:58.7, 1.7, 33.70N, 0.05, 34.99E, 0.09, h12km, n28,
c072/31, Eastern Mediterranean

Table with columns: Code, Station Name, Az, El, AzE, ElE, AzM, ElM, AzR, ElR, AzS, ElS, AzT, ElT, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like DQRL Deir Qamar, DQRL Deir Qamar, DQRL Deir Qamar, etc.

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and Bandwidth. Includes stations like SLTI, HMDT, and DSI.

IDC 28 02:30:23.4, 2.9, 94N, 142.97E, h0km, mb3.7/6, ...

ISC 28 02:30:29.7-1.9, 29.9N, 0.1, 142.4E, 0.4, h35km, n9, ...

Main station list table for the 1555 section, including stations like KCJ, UCJ, JKH, and others with their respective coordinates and parameters.

ISK 28 02:53:38.3, 39.52N, 26.15E, h6km, ML2.8/22

AFAD 28 02:53:38.5, 39.50N, 26.19E, h11km, ML2.8

ATH 28 02:53:38.7, 39.50N, 26.10E, h14km, 3km, ML2.4/6

Manual Solution by A.Moschou First location: 2019/05/28

ISC 28 02:53:38.6-0.8, 39.50N, 0.02, 26.15E, 0.02, h13km, 4km, ...

Main station list table for the 1555 section, continuing from the previous block with stations like KCOA, KPCA, and others.

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and Bandwidth. Includes stations like SONM, KSRS, and others.

IDC 28 03:07:04.0, 2.0, 2.39N, 128.60E, h232km, 20km, mb3.6/14

NEIC 28 03:07:05.0, 0.6, 2.42N, 0.10, 128.62E, 0.09, h233km, gkm, ...

DJA 28 03:07:08.2, 0.8, 2.42N, 12.8E, h207km, 7km, M4, 1/7

ISC 28 03:07:04.0, 2.0, 2.35N, 0.06, 128.51E, 0.10, h233km, n49, ...

Main station list table for the 2019 MAY section, including stations like TINTI, TINTI, and others.

Main station list table for the 2019 MAY section, continuing from the previous block with stations like WRA, WRA, and others.

Main station list table for the 2019 MAY section, continuing from the previous block with stations like PEAOB, PETK, and others.

IDC 28 03:14:30.0, 0.7, 12.24S, 77.81W, h0km, mb4.0/10

NEIC 28 03:14:36.0, 0.2, 12.30S, 0.07, 77.56W, 0.03, h35km, 1km, ...

VAO 28 03:14:55.6, 6.1, 11.54S, 76.20W, h122km, 14km, mb4.1

ISC 28 03:14:37.5, 0.5, 12.21S, 0.06, 77.45W, 0.06, h51km, n121, ...

Main station list table for the 2019 MAY section, continuing from the previous block with stations like NNA, NNA, and others.

Main station list table for the 2019 MAY section, including stations like ATAH, CZSB, and others.

Main station list table for the 2019 MAY section, continuing from the previous block with stations like PB11, PB11, and others.

Main station list table for the 2019 MAY section, continuing from the previous block with stations like SJG, SJG, and others.

Main station list table for the 2019 MAY section, continuing from the previous block with stations like TXAR, TXAR, and others.

Main station list table for the 2019 MAY section, continuing from the previous block with stations like VHRN, VHRN, and others.

Main station list table for the 2019 MAY section, continuing from the previous block with stations like DUG, DUG, and others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like AGMN, NVAR, EPLO, RLMT, YNE, ULM, PAHR, BOZ, MFID, ORV, MSO, SCHQ, SNA, YKAW1, YKA, YKAW3, TORD, M29M, L29M, K29M, ILAR, H11S2, H11S1, H11S3, ASAR, WRA, ZAL, KURBB, MKAR, SONM, KRSR.

NEIC 28 03:17:39.3+1.6, 19.2S:0.2:172.96W:0.07, h10km, 1km, mb4.7/19, Error ellipse: s-maj=25.4km s-min=11.8km az=357.0

IDC 28 03:17:41.0-0.9, 19.47S:173.51W, h0km, mb4.1/8, mbtmp4.1/9, ML4.2/1, MS3.4/1, Error ellipse: s-maj=36.1km s-min=21.2km az=141.0

ISC 28 03:17:39.5+0.7, 19.19S:0.2:172.99W:0.07, h10km, n35, +155/33, mb4.6/16, Tonga Islands region

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like NIUE, MSVF, RAR, PINNC, DZM, URZ, PPT, TUWZ, KHZ, CTAO, TOO, COEN, STKA, BBOO, AS31, ASAR, WBO, WRA, MTN, KNRA, FITZ, MBWA, CASY, QSPA, K15K.

Main table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like TXAR, SUCK, ILAR, YKA, BRTR, AP01, PB18, TA02, PB11, LPAZ, LPZ, LPZ, TA01, G001, PB08, PB01, PB03, G002, CZB5, CZB5, PB06, PB10, ATAH, AF01, PB14, G002, AC04, TBGT, TBGT, SAML, SAML, SIV, SIV, AC05, LCO, G002, CO05, VILB, VILB, CO01, CO06, PTLB, PTLB, CO03, CO02, TEFE, OTAV, OTAV, ZON, VAO6, FLOC, VAO1, PEL, MT02, H03N1, H03N2, H03N3, MT05, MT08, PDRB, MT09, MT01, MT13, LMEL, SALV, B002, CPUP, SJPY, MLO2, MLO2, ROSC, ROSC, RPRD, BI02, C2SB, RUSC, ITQB, ITTB, TRCB, TRCB, ARAG, BOAV, PTBG, SNDB, TBOT, LDASE, ITTB, ITAB, CP5B, MAL2, MAL2.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SDV, SDV, SDV, FRTB, PLTB, PLTB, PLCA, PLCA, PLCA, PLCA, CNLB, PRPB, SPB, VAO, VAO, PMNB, SMTB, JTS, BSCB, SDBA, JANB, DIAM, MDP, RIB01, CELP, CELP, SJG, HUMP, HUMP, CMIG, 154A, HOPE, 152A, GOGA, GOGA, HKT, HKT, Y57A, LRLAL, LRLAL, Z47A, Z47A, BIRD, BIRD, PAUL, PAUL, PAUL, HND0, HND0, W57A, KMSC, KMSC, W52A, W50A, SWET, TKL, TKL, TKL, U45A, U45A, SAND, T59A, T57A, TXAR, TXAR, TXAR, U49A, U49A, WWT, WWT, MIAR, MIAR, Z35A, T50A, S57A, R58B, ALPN, LCAR, FCAR, MNHN, PBMO, R50A, VHRN, CGM3, R49A, Q56A, Q56A, WCI, WCI, WCI, HJAR, HJAR, DKNS, MGMO, P53A, FVM.

28d 4h

Table of station data for the 28-day 4-hour period, including station names, codes, and various parameters like SNR and error rates.

ADC 28 04:19.10.3.1.4.52.79Nk.162.45W, h0km, mb3.5/7, mbmp3.5/9, ML2.9/2, Error ellipse: s-maj=36.5km

NEIC 28 04:19.11.7.1.0.52.68N.0.03.162.40W.0.10, h10km, 2km, ML3.2/14, ML3.2(AEIO), Error ellipse: s-maj=10.0km

AEIC 28 04:19.13.3.1.0.52.71N.0.1.162.44W.0.1, h41km, 10km, Error ellipse: s-maj=16.1km s-min=9.7km az=158.0

ISC 28 04:19.14.9.0.9.52.71N.0.08.162.41W.0.05, h35km, n52, o096/46, mb3.7/7, South of Alaska

Table of station data for the 28-day 4-hour period, including station names, codes, and various parameters like SNR and error rates.

2019 MAY

Table of station data for the 2019 May period, including station names, codes, and various parameters like SNR and error rates.

AFAD 28 04:19.13.9.38.93N.26.19E, h7km, 2km, ML2.8, ISK 28 04:19.14.3.38.98N.26.23E, h12km, ML2.9/11, THE 28 04:19.14.7.39.1N.2.2.6E, h6km, 2km, M2.5/12, ML2.5/12, ATH 28 04:19.14.3.38.96N.26.27E, h7km, 1km, ML2.6/6, Manual Solution by S. Kourakis First location: 2019/05/28 04:20:30, This location: 2019/05/28 06:09:23 ML

Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 0 km; Longitude uncertainty: 1 km

ISC 28 04:19.14.3.0.9.38.95N.0.02.26.25E.0.02, h12km, 8km, n50, o080/80, Aegean Sea

Table of station data for the 2019 May period, including station names, codes, and various parameters like SNR and error rates.

1558

Table of station data for the 1558 period, including station names, codes, and various parameters like SNR and error rates.

AEIC 28 04:42.33.4.1.8.52.78N.0.06.168.9W.0.1, h31km, 5km, Error ellipse: s-maj=11.8km s-min=5.3km az=127.0

NEIC 28 04:42.34.9.1.3.52.94N.0.09.169.0W.0.1, h10km, 2km, ML3.7/16, ML3.4(AEIO), Error ellipse: s-maj=17.8km s-min=7.6km az=326.0

ISC 28 04:42.34.5.1.9.52.8N.0.2.168.98W.0.07, h32km, 7km, n35, o084/40, Fox Islands

Table of station data for the 1558 period, including station names, codes, and various parameters like SNR and error rates.

WEL 28 04:57.4.37.51S:177.18E, h4km, ML3.1, Mw3.5, Moment Tensor Solution. s5 Moment tensor: Scale 10^14 Nm; Mn=0.58; Mw=1.08; Mw=0.50; Mw=0.58; Mw=1.78; Mw=0.96; Fault plane solution: M2.23000x10^14 Np; q=15.0000; 889.0000; 1.149.0000; NP2; q=83.0000; 889.0000; 1.5.0000; Principal axes: T=2.660, P1g18.0000; Azm14.0000; N=0.6800, Plg59.0000; Azm21.0000; P=1.8860, Plg24.0000; Azm244.0000; Stations used: HAZ URZ MXZ PUZ TOZ

WEL 28 04:57.57.20.6.38.5.6x17.7E.1, h5km, M3.3/13, ML3.5/14, MLV3.3/13 Error ellipse: s-maj=8.0km s-min=3.3km az=16.1, confirmed, Off east coast of North Island

Table of station data for the 1558 period, including station names, codes, and various parameters like SNR and error rates.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like WHZ, BKZ, ARHZ, MIBZ, etc.

KRSC 28 05:14:28.92.9, 49.62N; 156.82E, h16km, 34km, M4.3
MOS 28 05:14:31.1.1.1, 49.74N; 155.86E, h77km, mb4.2/6, Error ellipse: s-maj=15.6km s-min=4.1km az=73.2

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like SKR, MPR, PAU, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like SKR, PAU, KDR, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like KDR, MPR, ASAK, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like MPR, ASAK, MTRV, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like MTRV, GRL, RUS, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like RUS, APC, KRM, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like KRM, PEAB, PETK, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like PETK, PET, PET, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like PET, DALK, DALK, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like DALK, UGLR, KOK, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like KOK, AVH, SMAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like SMAR, KRER, KRER, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like H11S3, H11S2, TOLK, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like SML, COLA, HDA, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like IL31, ILAR, ILAR, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like ILAR, D25K, PRP, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like J25K, J25K, BMAR, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like BMAR, K27K, L27K, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like L27K, BCAR, H29M, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like H29M, L29M, I30M, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like I30M, MK31, MKAR, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like MKAR, MKAR, KURK, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like KURK, YKA, KURB, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like KURB, BVAR, BRVK, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like BRVK, BLK, CMAR, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like CMAR, HNR, PDAR, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like DAT, DAT, DAT, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like BODT, BODT, BODT, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like YAZI, YKAV, MKLSB, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like MKLSB, TURN, TURN, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like TURN, NISRO, NISRO, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like NISRO, KALYM, KALYM, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like KALYM, KALYM, YER, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like YER, YER, YER, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like YER, DDIM, DDIM, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like DDIM, MUGL, MUGL, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like MUGL, MUGL, MUGL, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like MUGL, DALY, DALY, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like DALY, DALY, ARG, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like ARG, ARG, ARG, etc.

28d 5h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PASA Karahallii, TNSA Tinos, ZEDA zmir-Bergama, etc.

2019 MAY

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like VVLY Valandovo, KKB Krupnik, FNA Florina, etc.

1560

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like BURAR Bucovina Array, BUR08 Bucovina Ar. S, HHRG AI Ghardaqah, etc.

28d 5h

Table with columns: ID, Name, Value, P, I, A, M, B, and other details for various weather stations.

2019 MAY

Table with columns: ID, Name, Value, P, I, A, M, B, and other details for various weather stations.

1562

Table with columns: ID, Name, Value, P, I, A, M, B, and other details for various weather stations.

RSNC 28 05:28:17.7 ± 1.0, 12°N, 101°6'8"W; h:126km, 31km, M2.9, mb4.1, mb3.7, ML2.8, Mw(mb)3.2, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase II, Time, Res, and other details for various weather stations.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for UREC San Jos de Ur, CHIC Chingaza.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for KBS Kingsbay, KRS Kingsbay.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for CAST Castle Rocks, DIV Divide.

IDC 28 05:42:11.8:3.3, 8:26S:158.11E, h105km, 41km, mb3.5/5, mblmp4.07, MS3.52, Error ellipse: s-maj=40.3km s-min=22.7km az=151.0

IDC 28 05:42:11.3:0.9, 8:25:02:158.1E:0.1, h100km, n12, r1507/8, mb3.5/5, Bougainville-Solomon Islands region

ILAR Eielson Array 83.96 20 P P 07 19 07.0 +0.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for HNR Honiara, HNR 757nm, PMG Port Moresby, JAY Jayapura, ASAR Alice Springs, H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, JHJ Hachijo jima 2, SONM Songino Array, ILAR Eielson Array, MKAR Makanchi Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for HSPB Hornsund (bro), NOR Nord, DAG Danmarks Havn, HOPEN Hopen, DBG Daneborg.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for F2SK Christian River, NVAR Mina Array Bea, NV11 Mina Array Sit, NV11 Pinyon Flats, KURB Kurchatov Arra, NEW Newport, BELA Belgrano 2, LPJG La Paz, BVAR Borovoye Array, YKA Yellowknife Arr.

ASRS 28 06:00:48.0:0.5, 54.19N:86.36E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 28 07:01:04.6:2.8, 54.12N:86.36E, h0km, mblmp2.6/2, ML2.4/2, Error ellipse: s-maj=22.6km s-min=13.9km az=55.0, Southwestern Siberia

IDC 28 07:11:54.0:5.2, 31.47S:179.63W, h199km, 42km, mb4.1/4, mblmp4.5/6, Error ellipse: s-maj=41.8km s-min=19.1km az=49.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo, KURBB Kurchatov Arra, MKAR Makanchi Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo, KURBB Kurchatov Arra, MKAR Makanchi Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for ANMO Albuquerque, LPJG La Paz, GERES GERESS Array, TORD Torodi Arr.

IDC 28 06:02:44.1:40.4, 53.06N:33.00E, h0km, Error ellipse: s-maj=155.9km s-min=99.4km az=23.0, Baltic States-Belarus-Northwestern Russia

IDC 28 07:06:36.1:0.5, 9.12S:158.90E:0.07, h10km, n60, r1506/6, mb4.5/25, MS3.7/17, Bougainville-Solomon Islands region

IDC 28 07:12:00.6:0.4, 31.8S:0.1:179.8W:0.2, h27km, 9km, mb4.2/10, Error ellipse: s-maj=27.7km s-min=18.0km az=98.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for H43RU DUBNA INFRASON, I26DE FREY-LUNG INFRAS12.86, I37NO I37NO.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for HNR Honiara, HNR Honiara, HNR Honiara, PMG Port Moresby, DZM Mont Dzumac, JAY Jayapura.

WEL 28 07:12:04:6.0:4.32:5.5:17.9W:1.2, h2km, M5.0, mB5.6/2, ML5.0/10, MLV5.0/6, Mw(mB)5.1/2, Error ellipse: s-maj=16.8km s-min=3.4km az=110.4, confirmed

ASRS 28 06:09:26.0:0.3, 54.63N:86.60E, h0km, M2.8, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 28 06:09:30.7:2.4, 54.49N:86.53E, h0km, mblmp3.6/3, ML3.1/3, Error ellipse: s-maj=20.2km s-min=12.5km az=55.0

NEIC 28 07:06:36.5:0.6, 9.07S:158.97E:0.06, h10km, 1km, mb4.6/24, Error ellipse: s-maj=11.5km s-min=7.0km az=46.0

IDC 28 06:09:31.9:3.7, 54.5N:0.2:86.3E:0.2, h0km, n5, r1597/7, Southwestern Siberia

IDC 28 07:06:36.1:0.5, 9.12S:158.90E:0.07, h10km, n60, r1506/6, mb4.5/25, MS3.7/17, Bougainville-Solomon Islands region

IDC 28 07:12:00.3:0.7, 31.91S:0.07:179.6W:0.1, h250km, n76, r224/92, mb4.2/10, 4C, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo, KURBB Kurchatov Arra, KURBB Kurbb, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, BVAR Borovoye Array, BVAR Borovoye Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for HNR Honiara, HNR Honiara, HNR Honiara, PMG Port Moresby, DZM Mont Dzumac, JAY Jayapura, WR0 Warramunga Arr, WR0 Warramunga Arr, WRB Warramunga Arr, WRB Warramunga Arr, WBO Warramunga Arr, WBO Warramunga Arr, WRAB Warramunga Arr, WRAB Warramunga Arr, STKA Stephens Creek, STKA Stephens Creek, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, BBOO Buckleboo, URZ Urewera, FITZ Fitzroy Cross, KAPI Kappang, NWAO Narogin (SRO), PPT Papeete, LEMS Lembang, KRSR Korea Array, USRK Ussuriysk Arr, PSI Prapat, PETK Petropavlovsk, PETK Petropavlovsk, CMAR Chiang Mai Arr, VNSA Vanda, VNSA Vanda, SBA Scott Base, SONM Songino Array, SONM Songino Array, SONM Songino Array, KDAK Kodiak Island, N17K Nushagak Hills, L16K Owhat River, ANMK Nome, ANMK Big River Lodg, M19K M19K, GSPA South Pole Qui, GSPA South Pole Qui.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for GLKZ Green Lake, GLKZ Green Lake, RAO Raoul Island, RAO Raoul Island, MXZ Matakaua Point, MXZ Matakaua Point, WMGZ Waiomatatini S, WMGZ Waiomatatini S, HAZ Te Kaha, HAZ Te Kaha, PKGZ Pakihiroa, PKGZ Pakihiroa, PUZ Pukititahi, PUZ Pukititahi, WCU Waipu Caves, WCU Waipu Caves, RWGZ Raukumara Rang, RWGZ Raukumara Rang, TWGZ Tauwharepara, TWGZ Tauwharepara, OUZ Omahuta, OUZ Omahuta, MBZ Motutapu North, MBZ Motutapu North, MUAZ Moutakahi, MUAZ Moutakahi, CNGZ Carnagh Station, CNGZ Carnagh Station, MWZ Matawai, MWZ Matawai, MWZ Matawai, TKGZ Te Karaka, TKGZ Te Karaka, URZ Urewera, URZ Urewera, URZ Urewera, URZ Urewera, TOZ Tahuroa Road, TOZ Tahuroa Road, RIGZ Rimuhau, RIGZ Rimuhau, MUGZ Murupara, MUGZ Murupara, PRGZ Paruru Road, PRGZ Paruru Road, ALRZ Allen Road, ALRZ Allen Road, KNZ Kokohu, KNZ Kokohu, RAHZ Arahi, RAHZ Arahi, MHGZ Mahia Peninsula, MHGZ Mahia Peninsula, MRHZ Mataea Rd, MRHZ Mataea Rd, BKFZ Black Stump Fm, BKFZ Black Stump Fm, HIZ Hauraki, HIZ Hauraki, VRZ Vera Road, VRZ Vera Road, PWZ Pawanui, PWZ Pawanui, PXZ Pawanui, PXZ Pawanui, PXZ Pawanui, Takapari Road, Takapari Road, WAZ Wanganui, WAZ Wanganui, WAZ Wanganui, BFZ Birch Farm, BFZ Birch Farm, BFZ Birch Farm, BFZ Birch Farm, MRZ Mangatainoka, MRZ Mangatainoka, SNZO South Karori, SNZO South Karori, NNZ Nelson, NNZ Nelson, ORZ Quartz Range, ORZ Quartz Range, ORZ Quartz Range, THZ Tophouse, THZ Tophouse, THZ Tophouse, THZ Tophouse, KHZ Kahurangi, KHZ Kahurangi, RPZ Rata Peaks, RPZ Rata Peaks, RPZ Rata Peaks, RPZ Rata Peaks.

CATAC 28 06:48:36.7:0.8, 14.1N:8.9W, h42km, 14km, M3.2/7, MLV3.2/7, Error ellipse: s-maj=19.0km s-min=7.6km az=19.8, confirmed

GCG 28 06:48:38.0:1.1, 14.22N:91.71W, h59km, 11km, MD3.9

ISIC 28 06:48:39.0:1.9, 14.22N:0.1:91.65W:0.09, h62km, n11km, n21, r255/26, Guatemala

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for RTAL Retalhuleu, STGB El Palmar, STGB El Palmar, SOKI Kika Raxquin, SMOCA Catarina, ESSC Sabana Grande, THG Sabana Grande, FG8 Yecopaca, FG8 Yecopaca, HUEH Huehuetenango, FC16 Atoletoango, FC16 Atoletoango, SLOZ Alcaidia de Sa, SLOZ Alcaidia de Sa, NUBE Las Nubes, NUBE Las Nubes, CEVE Cerro Verde, CEVE Cerro Verde, CCJG Comitan, CCJG Comitan, JAYA Jayaque - fine, JAYA Jayaque - fine, JAYA Jayaque - fine, MTO3 Monte Cristo, MTO3 Monte Cristo.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for HNR Honiara, HNR Honiara, HNR Honiara, PMG Port Moresby, DZM Mont Dzumac, JAY Jayapura, WR0 Warramunga Arr, WR0 Warramunga Arr, WRB Warramunga Arr, WRB Warramunga Arr, WBO Warramunga Arr, WBO Warramunga Arr, WRAB Warramunga Arr, WRAB Warramunga Arr, STKA Stephens Creek, STKA Stephens Creek, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, BBOO Buckleboo, URZ Urewera, FITZ Fitzroy Cross, KAPI Kappang, NWAO Narogin (SRO), PPT Papeete, LEMS Lembang, KRSR Korea Array, USRK Ussuriysk Arr, PSI Prapat, PETK Petropavlovsk, PETK Petropavlovsk, CMAR Chiang Mai Arr, VNSA Vanda, VNSA Vanda, SBA Scott Base, SONM Songino Array, SONM Songino Array, SONM Songino Array, KDAK Kodiak Island, N17K Nushagak Hills, L16K Owhat River, ANMK Nome, ANMK Big River Lodg, M19K M19K, GSPA South Pole Qui, GSPA South Pole Qui.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for URZ Urewera, URZ Urewera, URZ Urewera, URZ Urewera, TOZ Tahuroa Road, TOZ Tahuroa Road, RIGZ Rimuhau, RIGZ Rimuhau, MUGZ Murupara, MUGZ Murupara, PRGZ Paruru Road, PRGZ Paruru Road, ALRZ Allen Road, ALRZ Allen Road, KNZ Kokohu, KNZ Kokohu, RAHZ Arahi, RAHZ Arahi, MHGZ Mahia Peninsula, MHGZ Mahia Peninsula, MRHZ Mataea Rd, MRHZ Mataea Rd, BKFZ Black Stump Fm, BKFZ Black Stump Fm, HIZ Hauraki, HIZ Hauraki, VRZ Vera Road, VRZ Vera Road, PWZ Pawanui, PWZ Pawanui, PXZ Pawanui, PXZ Pawanui, PXZ Pawanui, Takapari Road, Takapari Road, WAZ Wanganui, WAZ Wanganui, WAZ Wanganui, BFZ Birch Farm, BFZ Birch Farm, BFZ Birch Farm, BFZ Birch Farm, MRZ Mangatainoka, MRZ Mangatainoka, SNZO South Karori, SNZO South Karori, NNZ Nelson, NNZ Nelson, ORZ Quartz Range, ORZ Quartz Range, ORZ Quartz Range, THZ Tophouse, THZ Tophouse, THZ Tophouse, THZ Tophouse, KHZ Kahurangi, KHZ Kahurangi, RPZ Rata Peaks, RPZ Rata Peaks, RPZ Rata Peaks, RPZ Rata Peaks.

BER 28 06:55:21.5:2.3, 79.53N:3.46E, h10km, mb(Pn)2.8, Confirmed Earthquake

DNK 28 06:55:22.0:2.6, 79.74N:3.87E, h36km, 23km, ML0.7

ISIC 28 06:55:17.8:1.3, 79.53N:0.09:3.16E:0.04, h16km, n11, r252/22, Greenland Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AI Sur del Vol, Volcan Telica, Volcan Telica, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Cartago, Paraso, Finca Echandi, Ciudad Quesada, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Chichijima, Warramunga Arr, Chiang Mai Arr, etc.

ASRS 28 08:10:09.01.1.53.94N.86.63E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-FRM, 2021

IDC 28 08:10:12.6.2.5.53.82N.86.50E, h0km, mbtmp2.912, ML2.7/2, Error ellipse: s-maj=20.3km s-min=11.6km az=68.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALESOVO INFRA, Zalesovo Beam, Kurbur, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Volcan Turrial, Volcan Turrial, etc.

SOME 28 08:38:59.8, 40.72N.82.47E, h5km NNC 28 08:39:03.2, 2.2, 40.9N.82.56E, h0km, mb3.9, mpv3.6, Error ellipse: s-maj=20.0km s-min=15.2km az=173.0

ISC 28 08:39:03.2, 2.2, 40.9N.82.56E, h0km, n25, 40.9N.82.56E, 3C-2D, Southern Xinjiang

CATAC 28 08:10:41.9.0.4.10.1N.2.8'4W, h20km, 2km M4.0/15, ML4.0/15, Error ellipse: s-maj=5.7km s-min=2.9km az=32.4, confirmed

UCR 28 08:10:42.9.1.3.9.69N.84.42W, h41km, 2km MV4.0, ISC 28 08:10:42.2.0.7.9.70N.0.02.84.43W.0.02, h18km, n172, c1919/247, 45C-49D, Costa Rica

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Puriscal, Puriscal, Parantenas Pro, etc.

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Monterrey de S, Monterrey de S, Chiripa, etc.

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ketmen, Ketmen, Shalko, etc.

ISC 28 08:42:36.1.0.9.47.41N.0.04.27.90E.0.04, h10km, n13, c075/20, 11C-7D, Romania

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Iasi, Soroca, Milestii Mici, etc.

IDC 28 08:11:37.4.4.1.21.42N.144.55E, h122km, 28km, mb3.3/5, mbtmp3.7/6, MS2.5/1, Error ellipse: s-maj=112.9km s-min=17.5km az=80.0

28d 8h

2019 MAY

1566

IDC 28 08:46:53.8,0.7,12.77N:124.22E,h0km,mb4.0/14, m-bmp4.0/14,MS3.07,Error ellipse: s-maj=24.1km s-min=12.8km az=58.0

NEIC 28 08:47:01.6,1.1,12.98N:109.124E,7E:0.1,h54km,8km, mb4.3/33,Error ellipse: s-maj=14.7km s-min=12.7km az=70.0

ISC 28 08:46:59.0,0.5,12.94N:0.07:124.61E:0.09,h44km,m66, e0:98.56,mb4.2/30,MS2.8/5,Phase ID

Table with columns: Code, Station Name, Az, Az2, Op, Pn, ISC, Time, Res, ISC. Lists various stations like TGAY, DAVO, YHNB, KSM, KAPI, UBPT, etc.

s-maj=23.1km s-min=10.7km az=167.0
ZUR 28 08:48:05.8,46.37N:6.75E,h2km,ML4.2/164,Error ellipse: s-maj=5093.2km s-min=710.2km az=334.0

Table with columns: Code, Station Name, Az, Az2, Op, Pn, ISC, Time, Res, ISC. Lists various stations like AIGLE, A173A, SAIG, SAIG, SAIG, etc.

Table with columns: Code, Station Name, Az, Az2, Op, Pn, ISC, Time, Res, ISC. Lists various stations like SAVIG, RSL, RSL, RSL, RSL, etc.

BUG 28 08:48:00.3,0.8,46.37N:5.85E,h0km,MD4.6/7,ML4.8/8
IDC 28 08:48:05.7,1.1,46.41N:6.64E,h0km,mb3.7/7, m-bmp3.8/15,ML3.9/7,MS3.0/11,Error ellipse:

Table with columns for station name, frequency, power, and other technical details. Includes stations like FUSIO, SKAF, SBECC, ROTHE, BNI, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like WLS, WLS, WMS, WMS, SMF, SMF, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LBL, LBL, BGF, BGF, BGF, etc.

Table listing station names, codes, and times. Includes stations like MTLF, BEBN, KBA, MYKA, UCC, BIAO, VOJS, UBBA, WET, KASTN, ROTZ, GORS, LAUG, MANZ, SKDS, LDF, GEC2, GERES, MOA, OBKA, NKC, FLN, TANN, GRR, CKRC, SOKA, PERS, ZVC, CLZ, ARSA, ARSA, ARSA, PRU, ETSF, CONA, CONA, GOPC, CLL, CLL, CLL, BRG, SJPF, RONA, RONA, RONA, SGMF, SGMF, QUIF, QUIF.

Table listing station names, codes, and times. Includes stations like KRUC, MORAV, ROSF, VRAC, VRAC, VRAC, VRAC, VRAC, MODS, MODS, MODS, MODS, KRLLC, MORC, MORC, VYHS, VYHS, LANS, LANS, STHS, STHS, ESDC, ESDC, KEST, EKA, EKA, MLR, HFS, NOA, AKASG, AKASG, MNK, MNK, MNK, MNK, MNK, MNK, FINE, BRRTR, ARCES, ARCES, KBZ, KBZ, BELG, BVAR, BVAR, MKAR, YKA, YAK, TXAR, ZUR 28 08:54:16.3, LDG 28 08:54:17.3, STR 28 08:54:17.1, ISC 28 09:05:01.2, CODE STATION NAME, AIGLE, AIGLE, SAIG, SALAN, SALAN, GRVON, OGS1, OGS1, GIMEL, GIMEL, SENIN, SENIN, TORNY, TORNY, CABB, CABB, BRANT, BRANT, RSL, RSL, RSL, RSL, EMBD, EMBD, LPL, LPL, LPGA, LPGA, SATI, SATI, CINFO, CINFO, HINF, HINF, HINF, HINF, ORIF, ORIF, HAU, HAU, MBDF, MBDF, SMF, SMF, SMF, SMF, CDF, CDF, LPL, LPL, VIVF, VIVF, VIVF, VIVF, SSF, SSF, SSF, SSF, BGF, BGF, BGF, BGF, LASF, LASF, LASF, LASF, IDC 28 09:05:01.2, IDC 28 09:05:01.2, STR 28 09:14:56.9, ZUR 28 09:14:58.5, LDG 28 09:14:59.2, ISC 28 09:14:58.0, CODE STATION NAME, AIGLE, AIGLE, SALAN, SALAN, GRVON, GRVON, OGS1, OGS1, GIMEL, GIMEL, SENIN, SENIN, TORNY, TORNY, CABB, CABB, BRANT, BRANT, RSL, RSL, RSL, RSL, EMBD, EMBD, LPL, LPL, LPGA, LPGA, SATI, SATI, CINFO, CINFO, HINF, HINF, HINF, HINF, ORIF, ORIF, HAU, HAU, MBDF, MBDF, SMF, SMF, SMF, SMF, CDF, CDF, LPL, LPL, VIVF, VIVF, VIVF, VIVF, SSF, SSF, SSF, SSF, BGF, BGF, BGF, BGF, LASF, LASF, LASF, LASF, TAGYATAY CITY.

Table listing station names, codes, and times. Includes stations like VIVF, SFTF, LOR, LOR, SSF, AVF, AVF, BGF, BGF, IDC 28 09:00:25.0, CMAR, MKAR, KURBB, WRA, ASAR, IDC 28 09:05:01.2, ASRS 28 09:05:01.2, CODE STATION NAME, I46RU, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR, STR 28 09:14:56.9, ZUR 28 09:14:58.5, LDG 28 09:14:59.2, ISC 28 09:14:58.0, CODE STATION NAME, AIGLE, AIGLE, SALAN, SALAN, GRVON, GRVON, OGS1, OGS1, GIMEL, GIMEL, SENIN, SENIN, TORNY, TORNY, CABB, CABB, BRANT, BRANT, RSL, RSL, RSL, RSL, EMBD, EMBD, LPL, LPL, LPGA, LPGA, SATI, SATI, CINFO, CINFO, HINF, HINF, HINF, HINF, ORIF, ORIF, HAU, HAU, MBDF, MBDF, SMF, SMF, SMF, SMF, CDF, CDF, LPL, LPL, VIVF, VIVF, VIVF, VIVF, SSF, SSF, SSF, SSF, BGF, BGF, BGF, BGF, LASF, LASF, LASF, LASF, TAGYATAY CITY.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Rows include KAPI Kappang, CMAR Chiang Mai Arr, WRA Warrungu Arr, ASAR Alice Springs, MKAR Makanchi Arr, KURBB Kurchatov Arr.

GCG 28 09:22:02.4.15.90N.91.23W, h13km, 26km, MD4.3, MW3.2
CATAC 28 09:22:28.1.0.3.16N.2.9E, h20km, M3.5/13, MLv3.5/13, Error ellipse: s-maj=4.7km s-min=4.0km az=12.5, confirmed

ISC 28 09:22:27.1.0.9.15.78N.0.04.91.40W, 0.04, h10km, n30, 625/27, Mexico-Guatemala border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include HUEH Huehuetenango, CGIG Comitan, SOKI Kika Raxquin, AVCB Coban, SMCA Catarina, RTAL Retalhuleu, STGB El Palmar, Sabana Grande, Yecopaca, Chim, Alotenango, Flores, Esquipulas, Montercristo, Las Nubes, IZABA IZABA, JAYA Yajunte, PMON Piamonte, LALI Alcalde de L, PAVA Las Pavas.

IDC 28 09:26:32.2.3.6.53.76N.90.70E, h0km, mbtmp3.2/2, ML2.8/2, Error ellipse: s-maj=31.8km s-min=23.6km az=60.0

ASRS 28 09:26:26.0.1.2.53.76N.91.06E, h0km, M3.0, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p - CD-ROM, 2021., Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Kurchatov Arr, KURBB Kurchatov Arr, MKAR Makanchi Arr, MKAR Kurchatov Arr, MKAR Makanchi Arr.

IDC 28 09:30:10.0.3.3.4.31N.87.20E, h0km, mbtmp2.9/2, Error ellipse: s-maj=28.1km s-min=19.8km az=52.0

ASRS 28 09:30:12.0.1.7.54.27N.87.11E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p - CD-ROM, 2021., Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Kurchatov Arr, KURBB Kurchatov Arr, MKAR Makanchi Arr.

ISC 28 09:43:36.4.1.0.49.58N.0.05.17.41E, 0.05, h7km, n6, 685/10, Czech and Slovak Republics

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include MORC Moravsky Berou, WRAC Vranov, JAVC Velka Javorina, KRUC Moravsky, LANS Liptovska Anna, LANS Vyhne, VYHS Vyhne.

JMA 28 09:45:28.5.0.2.30.5N.0.6.14.3E, h50km, MV4.0/18, FAR E OFF IZU ISLANDS, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include CBJJ Chichi jima, JHJ2 Mitsune, BSO1 Boso, BSO3 Boso, JOD2 Odawara, JHO Hitachi, JHY Ryogami san, JAG Ashikaga, JFK Kawauchi.

ASRS 28 09:56:24.0.1.4.53.70N.86.91E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p - CD-ROM, 2021.

IDC 28 09:56:24.2.2.5.53.67N.86.68E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=21.7km s-min=13.1km az=72.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include I46RU ZALESOVO INFRA, ZALV Zalesovo Beam.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Rows include ZALV Zalesovo Beam, KURBB Kurchatov Arr, MKAR Makanchi Arr, MKAR Kurchatov Arr.

ISC 28 09:58:01.3.0.4.34.59N.45.55E, h14km, 2km, ML2.8, TEH 28 09:58:02.1.34.51N.45.58E, h13km, 33km

ISC 28 09:58:01.8.1.7.34.60N.0.08.45.59E, 0.07, h9km, 9km, n10, 657/14, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include KGS1 Ghaz-e-Shirin, GLGI Gilan-e-Gharb, IDHR Dehrah, IGHG Galeghazi, ILHN Lien, IDBR Badra, IDBR comp=E, 196nm, 0.4s, IDBR comp=N, 136nm, 0.4s, BHD Baghdad, BND BND, SNQR Sonqor, KFRM Katar-mosalmal, RAFI Al-Rafai, SDD 28 09:59:11.8.2.2.18.77N.70.36W, h12km, 24km, MD2.6, OSPL 28 09:59:11.7.0.6.18.76N.70.38W, h8km, 8km, ML2.0

ISC 28 09:59:10.5.1.1.18.79N.0.03.70.36W, 0.02, h20km, 4km, n17, 694/22, 15C-3D, Dominican Republic region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include ABDR Alto Bandera, BANI BANI, LOSCI San Cristobal, SDD Santo Domingo, SC01 Santiago de lo, SC01 comp=N, 111nm, 0.4s, SC01 Santiago de lo, NADR Nagua, SDDR Presa de Saban, SDDR comp=N, 65nm, 0.5s, SDDR comp=Z, 40nm, 0.3s, HATOM Hato Mayor del, LONE3 El Aguacate, PODR Polo, LODU El Espartillar, LODU comp=Z, 40nm, 0.4s, LUDR Luperon, LUDR comp=N, 202nm, 1.1s, MIDR Miches, LOVI El Cajuli, LOVI comp=Z, 50nm, 1.0s

ASRS 28 10:03:53.0.1.0.53.56N.87.65E, h0km, M3.0, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p +

IDC 28 10:03:57.3.2.7.53.44N.87.56E, h0km, mbtmp2.9/2, ML2.5/2, Error ellipse: s-maj=22.4km s-min=13.7km az=68.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Kurchatov Arr, ZALV Kurchatov Arr, KURBB Kurchatov Arr, MKAR Makanchi Arr, MKAR Kurchatov Arr, MKAR Makanchi Arr, MKAR Kurchatov Arr, C19K Lookout Ridge, K20K Telida, B21K Ikpikpur River, B22K Teshekpuk Lake, I23K Minto, YUKON-K, ILAR Eielson Array, BMAR Burnt Mountain, J26L Joseph Creek, CTGM Chitina Glacier, I28M Linner Creek, TXAR Majitas Array, CPUP Villa Florida, LPAZ La Paz

IDC 28 10:31:30.7.10.0.3.28S.153.76E, h326km, 99km, mb3.0/4, mbtmp3.9/5, Error ellipse: s-maj=80.4km s-min=32.3km az=112.0

ISC 28 10:31:29.5.1.6.3.33S.0.153.76E, 0.2, h300km, n7, 1956/7, m3.4/4, New Ireland region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include JAY Jayapura, WRA Warrungu Arr, ASAR Alice Springs, SOEI Soe, FITZ Fitzroy Crossi, ILAR Eielson Array, IDC 28 10:53:17.1.0.6.12.87S.45.46E, h0km, mb4.0/14, mbtmp4.0/15, ML5.1/2, MS3.4/5, Error ellipse: s-maj=22.5km s-min=16.4km az=85.0, NEIC 28 10:53:18.6.1.0.12.87S.0.08.45E, 0.1, h10km, 1km, mb4.6/32, Error ellipse: s-maj=17.6km s-min=12.5km az=255.0, ISC 28 10:53:17.9.0.4.12.99S.0.05.45.52E, 0.06, h10km, n79, 1977/86, mb4.4/32, MS3.4/5, Northwest of Madagascar

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Rows include TORD Torodi Ar. Bea, NEIC 28 10:35:55.9.1.3.8.6S.0.1.128.5E, 0.1, h10km, 1km, mb4.6/25, Error ellipse: s-maj=19.8km s-min=15.9km az=308.0, IDC 28 10:35:55.3.0.7.8.42S.128.23E, h0km, mb4.1/8, mbtmp4.1/9, ML4.2/1, Error ellipse: s-maj=50.6km s-min=17.8km az=75.0, ISC 28 10:35:55.8.5.0.6.81S.0.05.128.50E, 0.06, h10km, n68, 626/67, mb4.5/21, Timor Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include SAUI Saumiaki, SOEI Soei, DRS Darwin Rock St, DRS Darwin Rock St, MTN Manton Dam, MTN Manton Dam, KDU Kakadu, FAKI Fak Fak, FAKI Fak Fak, FAKI Fak Fak, KNAI Kununurra, KAPI Kappang, KAPI Kappang, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include PLAI Palangka Raya, WB0 Warrungu Arr, WRAB Tennant Creek, WRA Warrungu Arr, WRA Warrungu Arr, WRA Warrungu Arr

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include WRA Warrungu Arr, WB2 Warrungu Arr, WRB Warrungu Arr, WRD Warrungu Arr, MBWA Marble Bar, COEN Coen, PSA00 Pilbara Seismi

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR comp=Z, 1.0nm, 0.3s, bas=333, slow=10, SNR=46, ASAR comp=Z, 0.8nm, 0.3s, bas=316, slow=10, SNR=8.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include MORW Morawa, MORW Morawa, BB00 Eucalyptus, STKA Stephens Creek, STKA Stephens Creek

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include PEAB0 Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, MKAR Makanchi Arr, MAKZ Makanchi, VNA Vanda, VNA Vanda

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include ZAAO Zalesovo Arr, ZAAO Zalesovo Arr, ZALV Zalesovo Beam, ZALV Zalesovo Beam, SIMJ Simiganj, SIMJ Simiganj

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include KURBB Kurchatov Arr, KURK Kurchatov, BVAR Borovoye Array, OPO Ambodiratrampy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include QSPA South Pole Qui, QSPA South Pole Qui

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include ABKAR Abkulkar array, J16K Anvik river, J17K VABM Dome, J17K VABM Dome

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include J18K Innoko River, J18K Innoko River, C19K Lookout Ridge, K20K Telida

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include B21K Ikpikpur River, B22K Teshekpuk Lake, I23K Minto, YUKON-K, ILAR Eielson Array

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include BMAR Burnt Mountain, J26L Joseph Creek, CTGM Chitina Glacier, I28M Linner Creek

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include TXAR Majitas Array, CPUP Villa Florida, LPAZ La Paz

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include IDC 28 10:53:17.1.0.6.12.87S.45.46E, h0km, mb4.0/14, mbtmp4.0/15, ML5.1/2, MS3.4/5, Error ellipse: s-maj=22.5km s-min=16.4km az=85.0, NEIC 28 10:53:18.6.1.0.12.87S.0.08.45E, 0.1, h10km, 1km, mb4.6/32, Error ellipse: s-maj=17.6km s-min=12.5km az=255.0, ISC 28 10:53:17.9.0.4.12.99S.0.05.45.52E, 0.06, h10km, n79, 1977/86, mb4.4/32, MS3.4/5, Northwest of Madagascar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include SBV Sambava, OPO Ambodiratrampy, OPO Ambodiratrampy, OPO Ambodiratrampy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include OPO Ambodiratrampy, OPO Ambodiratrampy, OPO Ambodiratrampy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include OPO Ambodiratrampy, OPO Ambodiratrampy, OPO Ambodiratrampy

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include OPO Ambodiratrampy, OPO Ambodiratrampy, OPO Ambodiratrampy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include OPO Ambodiratrampy, OPO Ambodiratrampy, OPO Ambodiratrampy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include OPO Ambodiratrampy, OPO Ambodiratrampy, OPO Ambodiratrampy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include OPO Ambodiratrampy, OPO Ambodiratrampy, OPO Ambodiratrampy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include OPO Ambodiratrampy, OPO Ambodiratrampy, OPO Ambodiratrampy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Rows include OPO Ambodiratrampy, OPO Ambodiratrampy, OPO Ambodiratrampy

Table listing astronomical observations for 28d 11h, including station names (e.g., FIRM, ATG, ABFO), object names (e.g., Firavahana, Ambohihy), and various parameters like RA, Dec, and magnitude.

Table listing astronomical observations for 2019 MAY, including station names (e.g., ASAR, WRA, PDAR), object names (e.g., Alice Springs, Pinedale Array), and various parameters like RA, Dec, and magnitude.

Table listing astronomical observations for 1570, including station names (e.g., AS31, WRA, WRAB), object names (e.g., Alice Springs, Tennant Creek), and various parameters like RA, Dec, and magnitude.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MJAR Matushiro Arr, HNR Honiara, MDT Midelt, etc.

IDC 28 11:09:06.8-4.9, 51.1'S, 153.29'E, h52km, 42km, mb3.7/12, mbtmp0.0/13, ML2, 1/1, MS3.4/2, Error ellipse: s-maj=28.0km az=148.0, Vanuatu Islands region

IDC 28 11:09:07.0-0.8, 51.15'S, 153.33'E, h56km, n17, c053/16, mb3.9/12, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 28 11:28:58.7-6.2, 20.14'S, 172.61'E, h0km, mb3.7/3, mbtmp3.7/3, Error ellipse: s-maj=272.2km s-min=35.9km az=148.0, Vanuatu Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

IDC 28 11:45:41.9-0.5, 44.43'N, 142.46'E, h228km, 4km, mb2.9/7, mbtmp3.6/11, Error ellipse: s-maj=20.6km s-min=13.5km az=111.0

JMA 28 11:45:41.8-0.3, 44.4'N, 142.46'E, h236km, 2km, MV3.5/34, KAMUKAWA-SORACHI REGION

SKHL 28 11:45:42.0-0.6, 44.40'N, 142.60'E, h197km, 15km, mb3.9/3, msha4.7/4

IDC 28 11:45:42.1-0.7, 44.39'N, 142.55'E, h232km, 6km, n32, c089/44, mb3.2/7, Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes station ASAJ Asahikawa.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAJ Asahikawa, JSS Shosan, JKK2 Kamakawa 2, etc.

ISU 28 11:54:51, 40.92'N, 69.39'E, h16km SOME 28 11:54:54.3, 41.00'N, 70.43'E, h5km

KNRT 28 11:54:57.0, 41.1, 13'N, 70.25'E, h13km, mb2.7 ISU 28 11:54:58.1, 41.2, 41'N, 70.24'E, 0.04, h14km, 10km, n16, c1891/31, 15C-0D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHMG Chimgan, TRKS Terek-Say, BTX Batken, etc.

KOLA 28 11:59:36.7, 68.16'N, 33.24'E, h0km, ML2.0, Error ellipse: s-maj=3.1km s-min=1.8km az=80.0, Olenegorsk City, Mines

HEL 28 11:59:37.0, 2.68, 03'N, 33.03'N, h0km, ML1.5, Suspected explosion

IDC 28 11:59:38.2, 68.26'N, 32.82'E, h0km, mbtmp2.7/2, ML1.9/2, Error ellipse: s-maj=34.9km s-min=13.9km az=57.0

IDC 28 11:59:36.2, 0.8, 68.15'N, 0.03, 33.22'E, 0.04, h0km, n33, c1059/49, Baltic States-Belarus-Western Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like APAO Apatity Array, APA Apatity, LVZ Lovozero, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KEV Kevo, MSF Maaseika, KU1 Kurvinen, etc.

IDC 28 12:08:19.6-3.3, 3.64'N, 95.82'E, h0km, mb3.3/2, mbtmp3.4/4, ML3.7/2, MS2.9/1, Error ellipse: s-maj=66.0km s-min=45.2km az=51.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PSI Prapat, CMAR Chiang Mai Arr, DAV Davao City (W), etc.

WEL 28 12:08:48.2-1.2, 32.5'S, 18.179'E, 4.8, h384km, 26km, M4.3/5, MB4.3/3, ML4.6/1, MLV4.3/5, Mw(mb)3.6/3, Error ellipse: s-maj=66.2km s-min=12.2km az=108.5, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WMGZ Waionmatatini S, HAZ Te Kaha, PKGZ Pakhiroa, etc.

AFAD 28 12:41:22.6, 34.97'N, 28.20'E, h9km, 1km, ML2.3 THE 28 12:41:32.4, 36.1'N, 28.2'E, 3.4, h118km, 25km, M2.4/4, ML12.4/4

ISK 28 12:41:33.6, 35.53'N, 28.53'E, h10km, ML2.2/12 ATH 28 12:41:34.7, 35.79'N, 28.68'E, h34km, 12km, ML2.5/6

Manual Solution by D. Venizelos First location: 2019/05/28 12:43:10, This location: 2021/05/16 04:15:36 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees Latitude uncertainty: 6 km; Longitude uncertainty: 1 km

IDC 28 12:41:32.8-1.5, 35.48'N, 0.05, 28.62'E, 0.03, h3km, 13km, n33, c1919/35, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARG Arkhangelos, ARG Arkhangelos, IZZE Mula-Seydike, etc.

28D 13h

Table with columns: DAT, YAZI, CAMZ, DNEZ, DNZT, BODT, BODT, BODT, TAVA, DENIZLI_Tavas, TAVA, TAVA, ZKR, ZKR, APMY, KORT, AYDB, ANUYA, AKMS, ALFC, TROD, CSS. Includes station names, coordinates, and other parameters.

LVSN 28 12:43:48.8:3.9:58:58N:24:30E, h0km,43km, ML 1.2
HEL 28 12:43:51.1:0.1:60:88N:26:81E, h0km, ML 1.2

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time Res, h m s ISC. Lists various stations and their details.

TRN 28 12:46:18.2:14:67N:59:05W, h54km, MD3.5, Far East of Martinique, Windward Islands

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time Res, h m s ISC. Lists stations in the Windward Islands region.

UCR 28 12:48:43.8:1.1:8:44N:82:65W, h11km,2km, MW3.8
UPA 28 12:48:43.7:0.9:8:48N:82:63W, h18km,1km, MW4.0

ISC 28 12:48:43.6:1.0:8:43N:0:02:82:64W:0:02, h21km,1km, n74, r1916/14, 12C-22D, Panama-Costa Rica border region

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time Res, h m s ISC. Lists stations in the Panama-Costa Rica border region.

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Main table with columns: LPLA, ISECA, ISECA, ISECA, SCZLJ, RMDIO, FIMO, KKNUT, KKNUT, PDCAN, PANP, ISBTO, ISBTO, DRKO, DRKO, DRKO, CVEJO, CVEJO, RGM0, RGM0, CEUA, SAJUE, MESAS, GMAL, GMAL, VERH, STIA3, STIA3, CALO3, CALO3, VTCV, CVTO, VTLA, VTR0, CVTR, CACAO, CACAO, VBV1, CHIT3, TOSI3, TOSI3, AZU, AZU, ACH03, ACH03, BCIP, BCIP, JTS, JTS, PLVR. Includes station names, coordinates, and other parameters.

IDC 28 13:00:46.6:1.6:23:09S:179:85W, h550km, 17km, mb3.9/16, mbtmp4.8/18, Error ellipse: s-maj=13.1km s-min=12.5km az=44.0

NOU 28 13:00:46.5:23:15S:179:53W, h579km, mb4.9/47, South of Fiji Islands

NEIC 28 13:00:47.7:1.6:23:19S:0:02:179:8W:0:1, h564km, 8km, mb4.5/61, Error ellipse: s-maj=16.1km s-min=2.7km az=81.0

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time Res, h m s ISC. Lists stations in the South of Fiji Islands region.

DZM 7.7nm, 1.0s, baz=155, slow=19, SNR=3.7
DZM Mont Dzumac, 12.75 273 P S

TOZ Tahoroa Road, 14.99 195 P P
KOUNC Koumac, New Ca 15.01 277 P P

Table with columns: Code, Station Name, A, AZ, Phase ID, Op, ISC, Time Res, h m s ISC. Lists various stations and their details.

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Table with columns: BBOO, OOD, AS01, AS31, ASAR, ASAR, WRB, WRB, WB0, WRAB, WRA, JAY, JAY, GENI, GENI, SMP1, KDU, FORT, FORT, WHKA, DRS, BAKI, KNRA, RKPI, GUMO, FITZ, SWI, SOEI, SBA, VNSA, VNSA, KLBR, PSA00, PSA00, MEAK, MBWA, MBWA, MBWA, BLDU, SANI, TNTI, TNTI, MORW, MORW, PLAI, TOL2, TOL2, QSPA, MJAR, KSM, KSM, SMAI, SMAI, BELA, BELA, KSRS, KSRS, PETK, USRK, USRK, ESPZ, ESPZ, GLA, ELIB, TIA, NVAR, NVAR, TPH, TROLL, J05D, SNAAS, PINE, PINE, TUC, LLO2, LLO2, 319A, J08A, G08A, LTY, XAN, XAN, MFID, TMUT, CMAR, CMAR, HVU, HVU, VHRN, VHRN, CHTO, CHTO, SRU, TX31, TXAR, HHC, HHC, HHC. Includes station names, coordinates, and other parameters.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSUT Blindstream Ca, PZH PanZhihua, SAND Sanderson, etc.

JMA 28 13:02:18.0, 4.25 N, 123.4E, 0.8, h98km, 4km, MV1.6/G, NW OF ISHIGAKIJIMA IS, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JJI Ishigaki jima, JKR Kuro-shima, etc.

TAP 28 13:03:08.4, 24.45N, 121.72E, h6km, ML1.5, A, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ENA Nanau, EWUT Wuta, EAHA Aohua, etc.

NOU 28 13:05:53.9, 16.14S, -167.83E, h39km, MLv4.1/8, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DVP Devils Point, KOUNC Koumac, etc.

NEIC 28 13:43:48.0, 1.2, 1.98S, 133.03W, h0km, mb4.0/8, mbmp4.1/9, ML4.6/1, MS3.3/13, Error ellipse: s-maj=55.4km s-min=22.4km az=128.0

ISC 28 13:43:48.3, 0.6, 1.90S, 0.08, 132W, 0.1, h14km, n33, s1504/23, mb4.2/3, MS3.3/12, North of Ascension Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASCN Ascension, DBIC Dimbokro, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NOA NORRAR Array B, NOA NORRAR Array A, etc.

NEIC 28 14:34:15.9, 1.1, 14.56S, 0.09, 167.33E, 0.09, h161km, 6km, mb4.6/8, Error ellipse: s-maj=13.4km s-min=11.7km

IDC 28 14:34:16.4, 2.3, 14.55S, 167.35E, h170km, 20km, mb4.0/18, mbmp4.4/20, Error ellipse: s-maj=18.2km s-min=10.8km az=83.0

NOU 28 14:34:16.1, 14.46S, 167.45E, h172km, mb4.6/39, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOUNC Koumac, YATNC Mamie plateau, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JGF Kuroka, MJAR Matsushiro Arr, MAJO MAJO, etc.

1.8nm,0.3s,baz=197,slow=27,SNR=11
MNAS Manas 2.97 45j eP Pb 14 51 00.6 -1.6
NNAS 14 51 38.1 -0.3

BEO 28 14:57:52.6:0.8,41:34N:23:17E,h11km,gkm,ML2.5/7
SOF 28 14:57:52.2,41:33N:0.0:23:33E:0.01,h15km,1km,
MD3 0/7
ISK 28 14:57:52.6,41:32N:23:36E,h9km,ML2.8/16
ATH 28 14:57:52.8,41:34N:23:35E,h14km,1km,ML2.7/11,
Manual Solution by A.Agalos First location: 2019/05/28
14:58:49. This location: 2019/05/28 15:04:35 ML
Amplitudes are expressed in micrometers. All distances
are expressed in degrees Latitude uncertainty: 1 km;
Longitude uncertainty: 0 km
SKO 28 14:57:53.9,41:35N:23:35E,h0km,ML2.5
THE 28 14:57:53.1,41:1N:23:4E:0.9,h8km,1km,M2.5/18,
MLh2.5/18

ISC 28 14:57:53.2,0.8,41:34N:0.0:23:33E:0.01,h15km,7km,
n94,-0570/135,6C-6Z,Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include SRS Serrai, KOKK Kokkinochori, HORT Hortiatis, THE Thessaloniki, KAVA Kavala, etc.

ZAGS 14 59 12.8 +1.3
COMU Cankale 2.67 116 Ph Pn 14 58 35.9 +0.2
EZN Ezine 2.72 123 P Pn 14 58 43.8 -1.5
LPK Lapseki 2.76 109 Ph Pn 14 58 37.7 +0.9
KUBS Kuvsevo 3.31 339 eP Pn 14 58 50.1 -1.5
HER Herculan 3.61 349 eP Pn 14 59 04.5 +2.3
MDVR Moldovita 3.65 341 P Pn 14 59 12.1 +9.1
GZR Gura Zlata 4.08 354 P Pn 14 59 07.5 +2.9

NEIC 28 15:00:26.6:1.4,8:67S:0:07:108:69E:0.06,h95km,8km,
mb4,7/25,Error ellipse: s-maj=10.7km s-min=-8.2km
az=180.0
DJA 28 15:00:27.2:0.2,9:53:3:10:9E:*,h77km,4km,MM,7/24,
mb35:477,mb4,719,ML4,624,MW(m)B4,8/7
IDC 28 15:00:31.6:1.2,8:11S:108:88E:h117km,gkm,mb4,0/20,
mbmp4,3/21,MS3,2/3,Error ellipse: s-maj=30.0km
s-min=10.4km az=47.0
ISC 28 15:00:27.2,0.4,8:62S:0:04:108:64E:0.04,h100km,n138,
c153/131,mb4.5/39,Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include CMJI Cimerak, BBJI Bungbulang, YOGI Yogyakarta, UNJI Cibinong, UGM Wanagama, LEM Lembang, etc.

comp=Z,4.6nm,0.6s
ULN Ulanbaatar 56.26 359 P Iamb P 15 09 56.9 -0.4
ULN comp=Z,5.0nm,0.7s
KSH Kashi 56.66 330 P pmax P 15 09 59.5 -0.8

comp=Z,2.0nm,0.7s
JTM Tenmabayashi 57.53 29 P P 15 10 06.2 -0.1
SHLS Shalkode 57.97 335 eP P 15 10 08.2 -1.3
NRRN Naryn 58.13 331 Iamb Iamb P 15 10 10.4 -0.5

comp=Z,3.3nm,0.6s
KDJ Kajisay 58.13 333 Iamb P 15 10 11.2 +0.5
KDJ comp=Z,6.0nm,0.6s
UZB Uzunbulak 58.15 335 eP P 15 10 10.7 -0.1

SATY Saty 58.34 334 eP P 15 10 12.1 0.0
KPKS Koikek 58.53 335 eP P 15 10 13.4 -0.1
TNSS Tian-Shan 58.96 333 eP P 15 10 15.6 -0.2
BOMK Boomsokoye usch 59.02 333 eP P 15 10 16.4 -0.2
MDOK Medeo 59.02 333 eP P 15 10 16.9 +0.1
ZSN Zaisan 59.68 342 eP P 15 10 21.0 -0.1

BTK Batken 59.73 327 P Iamb P 15 10 21.3 -0.3
BTK comp=Z,4.9nm,0.6s
SIMJ Simiganj 59.76 325 Iamb Iamb P 15 10 20.8 -1.2
SIMJ comp=Z,4.5nm,0.5s
Tdk Taldyghan 59.92 336 eP P 15 10 22.9 +0.1

MGAR Makanchi Array 59.96 339 P P 15 10 23.1 -0.9
MGAR Makanchi Array 59.96 339 P P 15 10 23.0 0.0
comp=Z,3.2nm,0.4s,baz=154,slow=7.8,SNR=37
comp=Z,3.2nm,0.4s
SGDS Sogindy 60.34 332 eP P 15 10 26.0 +0.3
JKA Kamikawa-asahi 60.83 27 P P 15 10 28.5 -0.4
HEH Heihe 60.87 14 eP P 15 10 28.0 -1.1
HEH comp=Z,7.0nm,0.8s
KLR Kul'dur 61.07 17 P P 15 10 28.6 -1.8

comp=Z,3.4nm,0.7s,baz=219,slow=7.8,SNR=9.7
comp=Z,3.4nm,0.7s
H04N2 CROZET ISLANDS 61.12 222 T T 16 17 51.3
H04N1 CROZET ISLANDS 61.13 222 T T 16 17 40.4
H04N3 CROZET ISLANDS 61.13 222 T T 16 17 39.2
BTLS Baikal 61.83 333 eP P 15 10 36.0 +0.3
BRLS Borolday 62.37 329 eP P 15 10 39.2 -0.1
KURBB Kurchatov Arra 64.53 339 P P 15 10 53.0 -0.4
KURBB comp=Z,2.3nm,0.5s,baz=149,slow=6.5,SNR=20
comp=Z,2.3nm,0.5s
KURKB Kurchatov 64.57 339 P Iamb Iamb P 15 10 53.4 -0.3
KURKB comp=Z,4.7nm,0.8s
ZAAO Zalesovo Array 65.50 345 P P 15 10 59.0 -0.6
ZALV Zalesovo Beam 65.50 345 P P 15 10 59.0 -0.7
ZALV Zalesovo Beam 65.50 345 P P 15 10 59.2 -0.5
comp=Z,3.4nm,0.4s,baz=149,slow=6.5,SNR=19
comp=Z,3.4nm,0.4s

BRZS Berezinski 66.24 336 eP P 15 11 05.1 +0.6
BVAR Borovoye Array 69.49 336 P P 15 11 25.1 +0.4
comp=Z,3.3nm,0.6s,baz=142,slow=8.7,SNR=50
comp=Z,3.3nm,0.6s
BRVK Borovoye 69.56 336 Iamb Iamb P 15 11 24.8 -0.4
BRVK comp=Z,5.4nm,0.7s
AB31 Akbulak array 71.63 329 P P 15 11 38.0 +0.1
ABKAR Akbulak array 71.63 329 P P 15 11 38.0 +0.2
YAK Yakutsk 72.32 10 Iamb Iamb P 15 11 41.0 -0.7
YAK comp=Z,2.2nm,0.8s
PEAOB Petropavlovsk- 74.23 28 P Iamb Iamb P 15 11 52.9 -0.3
PEAOB comp=Z,2.1nm,1.4s
ZAAO Zalesovo Array 74.23 28 P P 15 11 52.7 -0.5
PETK Petropavlovsk- 74.23 28 P P 15 11 52.5 -0.6
PETK comp=Z,3.1nm,0.5s,baz=175,slow=1.7,SNR=39
comp=Z,3.1nm,0.5s

ARTI Arti 76.83 334 P P 15 12 07.8 -0.1
KBZ Khabaz 78.93 318 P P 15 12 21.8 +2.0
comp=Z,2.8nm,0.9s,baz=159,slow=4.8,SNR=6.2
comp=Z,2.8nm,0.9s
NRIK Noril'sk 79.15 353 P Iamb Iamb P 15 12 20.6 0.0
NRIK comp=Z,7.5nm,1.1s
NRIK Noril'sk 79.15 353 P Iamb Iamb P 15 12 20.5 0.0
NRIK comp=Z,3.3nm,0.5s,baz=143,slow=3.9,SNR=6.9
comp=Z,3.3nm,0.5s
MMAI Mount Meron Ar 80.86 305 P P 15 12 32.5 +1.9
comp=Z,3.3nm,0.5s,baz=96,slow=12.2,SNR=2.2
comp=Z,3.3nm,0.5s

TIXI Tikisi 81.22 6 P P 15 12 31.0 -0.5
TIXI comp=Z,1.1nm,0.8s
TIXI Tikisi 81.22 6 LR LR 15 12 32.3
TIXI comp=Z,3.1nm,1.8s,baz=174,slow=38
BRTR Keskin Array B 84.11 312 P P 15 12 49.0 +1.5
comp=Z,1.1nm,0.6s,baz=132,slow=8.6,SNR=4.8
comp=Z,1.1nm,0.6s
BILL Bilibino 86.50 19 P P 15 12 58.6 +0.1
AKASG Malin Array Be 89.97 321 P P 15 13 16.1 +0.8
comp=Z,0.3nm,0.4s,baz=80,slow=5.8,SNR=1.8
comp=Z,0.3nm,0.4s

FINES FINESS Array B 93.96 331 P P 15 13 34.8 +1.3
comp=Z,1.3nm,0.7s,baz=156,slow=5.8,SNR=3.9
comp=Z,1.3nm,0.7s
ARCES ARCESS Array B 95.61 339 P P 15 13 41.1 +0.1
comp=Z,3.6nm,0.5s,baz=87,slow=5.0,SNR=7.8
comp=Z,3.6nm,0.5s
SPITS Spitsbergen Ar 98.85 348 P Pdif 15 13 55.5 0.0
comp=Z,3.7nm,0.9s,baz=101,slow=8.6,SNR=9.7
comp=Z,3.7nm,0.9s
TXAR Lajitas Array 143.36 51 PKP PKPdf 15 19 50.0 -0.7
comp=Z,0.2nm,0.6s,baz=307,slow=4.1,SNR=2.5

JMA 28 15:12:25.8:0.4,41:1N:2:13:6E:*,h436km,MV3,3/24,
AOP JAPAN
IDC 28 15:12:27.0:1.1,41:51N:135:19E,h388km,10km,mb2,8/8,
mbmp3,5/12,Error ellipse: s-maj=20.1km s-min=15.5km
az=50.0
ISC 28 15:12:27.4:0.7,41:45N:0:08:135:50E:0.07,h400km,n23,
c229/23,mb3.1/8,Sea of Japan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include JOGJ Oga3, JHST Hirasatsetana, JHG Higuraya jima, USRK Uesuriyok Ar, etc.

Table with columns: ILAR, ASAR, PDAR, TXAR, NNC, SOME, KRNET, ISC. Each row contains station name, frequency, power, polarization, and coordinates.

Code Station Name Δ° AZ° Phase ID Time Res ...
MDOK Medeo 0.55 305 P Pg 15 28 24.4 0.0

Main table listing stations from MDOK to MK31, including station names, frequencies, powers, polarizations, and coordinates.

BUC 28 15:29:15.0.4.2.45.78N.26.78E, h68km,2km, m13.7/58, Error ellipse: s-maj=1.3km s-min=1.0km az=34.0

MD4/17 SIGM 28 15:29:15.0.4.5.82N.26.73E, h72km, mb3.1 ...
BEO 28 15:29:18.0.2.1.45.41N.26.71E, h45km, gkm, ML2.8/4

Main table listing stations from VRI to VRSU, including station names, frequencies, powers, polarizations, and coordinates.

Main table listing stations from SKR to TRSU, including station names, frequencies, powers, polarizations, and coordinates.

Main table listing stations from MEZ to APC, including station names, frequencies, powers, polarizations, and coordinates.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Russkaya, Karymshinskiy, Petropavlovsk, Kuril'sk, etc.

2019 MAY

Table with columns for station name, frequency, power, and other technical details. Includes stations like YSS, NMR, UGL, MKZ, TUMD, etc.

28d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KSRS, KS19, KSAR, etc.

28d 15h

Table with columns: ID, Name, Value, Unit, Status, Direction, Date, Time, etc. Includes entries like F19K Shalercukik Mo, GCSA Galena City Sc, ULN Ulaanbaatar, etc.

2019 MAY

Table with columns: ID, Name, Value, Unit, Status, Direction, Date, Time, etc. Includes entries like SUA Susitna One, SUA Susitna One, BRLL Bradley Lake S, etc.

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Table with columns: ID, Name, Value, Unit, Status, Direction, Date, Time, etc. Includes entries like HARP HAARP, RIDG Independent Ri, RIDG Independent Ri, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like P30M Million Dollar, N31M Braeburn, O30N Mendhall, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like YKAWI Yellowknife Wh, BVAR Borovoye Array, BVAR Borovoye, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like FRB Frobisher Bay, SPR3 Spring Creek, DUG Dugway, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Bajram Curri, Brajici-Budva, Podgorica, etc.

STR 28 16:00:12.8:0.7, 48°N, 33°E, h0km, MLv1.6/7, Error ellipse: s-maj=0.0km s-min=0.0km az=60.3, preliminary, Germany

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Oppenau, Baden-Baden-Ne, etc.

HEL 28 16:01:46.1:0.4, 69°36'N, 50°58'E, h0km, ML1.2, Suspected explosion, Norway-Murmansk border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Raja-Jooseppi, Kevo, etc.

ICC 28 16:23:45.1:4.5, 23°64'N, 94°82'E, h101km, 39km, mb3.1/3, mbmp3.3/4, Error ellipse: s-maj=118.0km s-min=24.9km az=60.0

ICC 28 16:23:40.0:1.0, 23°11'N, 03°93'38"E, h50km, n14, c=25/15, mb3.8/3, Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Chiang Mai Arr, Odare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PYUN, MKAR, WRA, ASAR.

TEH 28 16:35:04.1, 27°51'N, 53°27'E, h20km, 79km, DSN 28 16:35:08.3:4.0, 27°85'N, 53°01'E, h15km, ML3.2/7, Error ellipse: s-maj=47.4km s-min=15.7km az=174.0

OMAN 28 16:35:14.2:1.0, 27°30'N, 53°04'E, h10km, mb4.3/4, m3.4/13, Error ellipse: s-maj=10.9km s-min=5.9km az=20.0

ISC 28 16:35:04.3:0.8, 27°50'N, 004°53'29E, 0.03, h10km, n34, c=333/47, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LMD1, LAR1, QIR1, etc.

ICC 28 17:07:38.2:1.3, 2°79'N, 129°16'E, h0km, mb3.6/8, mbmp3.7/8, Error ellipse: s-maj=94.5km s-min=16.4km az=71.0

DJA 28 17:08:00.2:0.5, 2°N, 5°12'8"E, h149km, 6km, M4.0/11, mb5.0/1, mb4.2/2, MLV3.9/11, Mw(mB)4.3/1

ISC 28 17:07:58.1:0.9, 2°33'N, 01°128'19E, 0.09, h150km, n14, c=1567/15, mb3.7/7, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TNTI, SGTI, KWSI, etc.

DJA 28 17:08:51.9:0.5, 4°S, 3°12'9"E, h13km, 4km, M3.7/8, mb4.2/2, MLV3.4/8, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNDI, MSAI, AAI, etc.

ICC 28 17:10:49.8:0.6, 5°22'N, 146°47'E, h0km, mb4.3/15, mbmp4.3/16, ML4.1/1, MS3.3/13, Error ellipse: s-maj=24.9km s-min=14.5km az=82.0

NEIC 28 17:10:51.4:1.4, 5°08'N, 07°146'44E, h10km, 1km, mb4.5/60, Error ellipse: s-maj=16.9km s-min=5.6km az=135.0

ISC 28 17:10:54.6:0.4, 5°10'N, 005°146'32E, 0.09, h35km, n103, c=1955/98, mb4.4/4, MS3.4/12, Eastern Caroline Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MANU, J25K, DOT.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MANU, GUMO, GUMCO, etc.

COEN Coen 19.19 189 P LR P 17 15 15.6 +0.1

CTAO Charters Tower 25.03 180 P LR P 17 16 15.8 +0.2

KNRA Kumunura 26.99 220 P P P 17 16 34.1 +0.8

WRA Warramunga Arr 27.53 205 P P P 17 16 39.3 +1.0

YULB Yu-li 30.21 309 P P P 17 17 03.1 +1.1

AS31 Alice Springs 31.05 202 P P P 17 17 07.5 -2.0

JNU Natsuke 31.38 335 LR LR P 17 19 56.5

MJAR Matsushiro Arr 32.17 348 LR LR P 17 29 04.8

DZM Mont Dzumac 33.43 145 P P P 17 17 28.8 -1.7

STKA Stephens Creek 37.04 187 LR LR P 17 33 22.1

HEH Heihe 47.73 344 eP pmax P 17 19 28.5 +0.5

CM31 Chiang Mai Arr 48.08 290 P P P 17 19 32.1 +0.8

ADK Adak 55.78 27 P P P 17 20 27.0 -1.0

M14K Bethel 67.67 25 P P P 17 21 48.6 +0.7

K15K Wolf Creek Mou 68.67 23 P P P 17 21 55.0 +0.8

ZALV Zalesovo Beam 69.38 326 P P P 17 21 59.4 +0.6

KDAA Kodiak Island 70.58 30 LR LR P 17 49 52.5

H19K Honhosa River 71.37 22 P P P 17 22 11.3 +0.6

G19K Purcell Mountain 72.32 21 P P P 17 22 17.1 +0.7

J20K Novinka River 72.51 23 P P P 17 22 18.4 +0.8

G23K Castle Rocks 73.02 24 P P P 17 22 21.8 +1.1

H23K Yukon River 74.97 23 P P P 17 22 32.3 +0.2

G23K Clear Creek Bu 75.12 22 P P P 17 22 33.0 0.0

H24K Noodor Dome 75.61 23 P P P 17 22 35.6 -0.2

IL31 Eielson Array 75.64 24 P P P 17 22 34.9 -0.9

E23K Chandalar 75.79 20 P P P 17 22 37.9 +1.2

G24K Hadweencir River 76.06 22 P P P 17 22 38.9 +0.6

C23K Itkillik River 76.16 19 P P P 17 22 39.4 +0.6

J25K Salcha River 76.21 24 P P P 17 22 38.6 -0.6

28d 18h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like J26L, BMAR, G26K, BRVK, H27K, DAWY, I28M, M29M, L29M, K29M, F30M, V29M, YKA, N29M, ELK, G29M, PLCA, TORD, LPAZ, CPUP, etc.

ISC 28 17:20:21.21.1, 47.786N;146.01E, h476km, 41km, mb2.6/6, mbz=159.0

ISC 28 17:20:21.21.1, 47.79N;146.02E, h472km, n8, s=097/8, mb3.1/6, Sea of Okhotsk

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like ASAJ, SEY, ZALV, ILAR, MKAR, KURBB, BVAR, FINES, etc.

SJA 28 17:20:35.0.6, 20.41S;68.83W, h117km, 3km, ML3.5, MW3.7

GUC 28 17:20:37.0.0, 20.41S;68.92W, h108km, 3km, ML3.3

ISC 28 17:20:38.6.1.4, 20.42S;0.03.69.00W, 0.07, h107km, 8km, n25, s=152/48, Northern Chile

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like PB08, G001, PB01, PB11, TA02, TA01, PB09, PB03, PB07, etc.

2019 MAY

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like AP01, AF01, PB05, LPAZ, etc.

TEH 28 17:37:41.7, 32.38N;47.79E, h10km, 83km, ISN 28 17:37:42.6.0.4, 32.43N;47.78E, h19km, 3km, ML2.8

ISC 28 17:37:42.1.1, 32.37N;0.06.47.82E, 0.04, h15km, n13, s=1343/15, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like IKFM, RAFI, IBDR, ILBA, etc.

TEH 28 17:38:57.9, 34.41N;45.55E, h8km, 22km, ISN 28 17:38:59.6.0.6, 34.39N;45.51E, h19km, 4km, ML3.2

ISC 28 17:38:58.5.1, 34.41N;45.55E, 0.04, h5km, 12km, n19, s=089/23, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KGS1, LGLI, IDHR, IGHG, etc.

NAO 28 17:49:10.9.3.3, 71.35N;11.07W, h22km, 56km, ML3.7

ISC 28 17:49:11.9.1.5, 71.59N;10.52W, h0km, mb3.5/2, mbz=23.8km, a=20.0, 0.1

DKN 28 17:49:11.2.4.8, 71.40N;11.09W, h22km, 42km, ML2.6

BER 28 17:49:12.5.4.7, 71.46N;10.89W, h10km, mb(Pn)4.1, ML2.8, ML3.7(NAO), Confirmed Earthquake

ISC 28 17:49:09.7.2.1, 71.58N;0.07.10.94W, 0.07, h1km, 18km, n41, s=238/53, 1C, Jan Mayen Island region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like JMI1, JMW1, JMW2, JMW3, JMW4, etc.

1582

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like SPITS, NOR, HOPEN, ARAO, etc.

ISC 28 18:27:11.5.2.3, 7.03S;127.30E, h0km, mb3.3/1, mbz=38.7, slow=13

ISC 28 18:27:11.7.2.0.1, 4.182N;79.68E, h19km, mb2.7

SOME 28 18:31:17.4.4, 41.85N;79.68E, h10km, NNC 28 18:31:18.1.1.0, 41.87N;79.67E, h0km, mb3.4, mpv3.3

ISC 28 18:31:18.3.2.0.1, 41.87N;79.60E, h3km, 11km, n35, s=092/59, 5C-11D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like WRA, ASAR, MKAR, etc.

ISC 28 18:31:17.2.0.1, 4.182N;79.68E, h19km, mb2.7

ISC 28 18:31:18.3.2.0.1, 41.87N;79.60E, h3km, 11km, n35, s=092/59, 5C-11D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like PRZ, SHLS, UZB, ZARG, etc.

28d 22h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like L27K Beaver Creek, TTA Talatina, K24K Donnelly Dome, etc.

2019 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like NR1K Nori'sk, NR1K Nori'sk, H1N2 WAKE ISLAND Hy, etc.

1584

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JTS Las Juntas de, CMARA Lajas Hojanca, CMARA Lajas Hojanca, etc.

29d Oh

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NVAR Mina Array Bea, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

TRN 29 00:28:19.0, 14.98N-60.62W, h66km, MD3.5, 1C, East of Martinique... Windward Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAM Ilet Lapin Mar, SVN Savane Anatole, etc.

NEIC 29 00:34:19.0±0.8, 36.90N±0.01±97.39W±0.01, h8km±4km, Error ellipse: s-maj=2.0km s-min=1.1km az=216.0

NEIC 29 00:34:19.6±0.7, 36.90N±0.01±97.39W±0.01, h5km±1km, mb_Lg2/29, ML2.6/31, ML2.7/48, Error ellipse: s-maj=2.5km s-min=2.0km az=26.0 Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KAN13 South Haven SW, BLOK Blackwell, etc.

2019 MAY

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TUL3 Leonard, CSTR Hydro, Custer, etc.

WEL 29 00:37:24.4±1.2, 31°S±9°17'8E±1°3, h88km±46km, M4.7/15, mB5.2/8, ML5.0/19, MLV4.9/15, Mw(mB)4.6/8, Error ellipse: s-maj=19.8km s-min=6.1km az=121.4

NOU 29 00:37:56.0, 34°25'S±178°70'E, h325km, mb4.2/5, South of Kermadec Islands

ISC 29 00:37:24.1±2.0, 31°45'S±0°11'17E±2°02, h100km, n48, c29/271, Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GLKZ Green Lake, MXZ Matakaoa Point, etc.

ROM 29 00:41:31.2±0.2, 39°58'8N±0°04'16.488E±0°009, h25km±1km, ML0.8/8, Error ellipse: s-maj=0.8km s-min=0.2km az=260.0, Southern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TDS Terranova Siba, CELI Celico, etc.

1586

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PIPA comp=N,69µm,1.2s, SALB comp=E,78µm,0.2s, etc.

ROM 29 00:41:46.1±0.2, 39°57'4N±0°007'16.49E±0°01, h25km±1km, ML1.7/16, 1C, Error ellipse: s-maj=0.9km s-min=0.3km az=264.0, Southern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TDS Terranova Siba, CELI Celico, PIPAPA Pietrapaola, etc.

ROM 29 00:42:15.7±0.2, 39°57'3N±0°009'16.50E±0°01, h24km±2km, ML2.0/22, 3D, Error ellipse: s-maj=1.0km s-min=0.6km az=234.0, Southern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TDS Terranova Siba, CELI Celico, LADO San Nicola del, etc.

1587

Table listing seismic stations with columns for station name, coordinates, instrument type, and last update time.

Table listing seismic stations under the heading 'SJA 29 00:50:20.1±0.7, 32°13'S; 68°54'W, h125km±2km, ML3.5, MW3.5, Mendoza Province'.

2019 MAY

Main table listing seismic stations with columns for station name, coordinates, instrument type, and last update time.

Table listing seismic stations under the heading 'CATAC 29 01:03:40.9±0.4, 11°N; 2°28'7W; h15km, M3.4/24, ML3.4/24, Error ellipse: s-maj=6.1km s-min=3.2km az=34.5, confirmed'.

29d 1h

Table listing seismic stations with columns for station name, coordinates, instrument type, and last update time, including a summary section for WEL 29 01:26:02.3±0.7, 38°52'S; 177°14'E, h4km, ML3.2, Mw3.4.

NEIC 29 01:43:06.3+1.3, 6.32N, 0.09, 93.77E, 0.10, h35km, 2km, mb5.0/22, Error ellipse: s-maj=22.5km s-min=4.1km az=225.0

IDC 29 01:43:10.1+3.0, 6.38N, 94.15E, h66km, 29km, mb3.7/12, mbmp4.0/14, ML3.8/2, MS2.9/2, Error ellipse: s-maj=37.2km s-min=16.8km az=44.0

ISC 29 01:43:06.2+0.4, 6.31N, 0.05, 93.82E, 0.06, h35km, n73, s=174/72, mb4.7/23, 1C-1D, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

1589

Table containing seismic data for 1589. Columns include: Code, Station Name, Azimuth (Az), Phase ID, Op, ISC, Time (h m s), and Res (ISC). Rows include stations like ANTAL, KORT, AKAS, ELL, ALFC, BUCA, etc.

2019 MAY

Main table containing seismic data for 2019 MAY. Columns include: Code, Station Name, Azimuth (Az), Phase ID, Op, ISC, Time (h m s), and Res (ISC). Rows include stations like PRAC, JAMC, MALC, CBCC, NORC, etc.

29d 3h

Table containing seismic data for 29d 3h. Columns include: Code, Station Name, Azimuth (Az), Phase ID, Op, ISC, Time (h m s), and Res (ISC). Rows include stations like BACO, SNFO, BORG, RES, ULM, PDAR, etc.

29d 4h

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, ISC. Rows include stations like La Plagne, Fort Saint-Gob, Roselend, Saint Maurice, Moye, Oris-en-Rattie, etc.

GCG 29 03:30:25.1±1.7, 12.51N±0.45W, h36km±999km, MD4.1
CATAC 29 03:27:9.0, 6.13°N±4.9°W, h11km±5km, M3.2/14,
MLV3.2/14, Error ellipse: s-maj=11.1km s-min=7.1km
az=106.8, confirmed

SNET 29 03:30:29.2±2.0, 12.94N±0.44W, h20km, ML3.3
ISC 29 03:30:22.9±3.2, 12.75N±0.10±0.90W±0.1, h11km±10km,
n46, ±0.75/53, Off coast of central America

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, ISC. Rows include stations like Alcala de Sa, Las Nubes, Cerro Verde, etc.

GCG 29 03:39:1.0±0.4, 13.12N±0.12W, h20km±2km, MD3.9,
Near coast of Guatemala

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, ISC. Rows include stations like Jayaque-finc, Las Nubes, Montecristo, etc.

TXNET 29 03:45:55.3±1.3, 31.7N±0.7, 104.4W±0.6, h6km±2km, ML2.6/11,
Error ellipse: s-maj=1.1km s-min=0.9km az=2.2, final
NEIC 29 03:45:55.2±1.5, 31.67N±0.01±10.34W±0.02, h5km±1km,
mb_Lg2.4/31, ML2.2/11, ML2.5/24, Error ellipse:
s-maj=2.9km s-min=2.7km az=278.0

NEIC 29 03:45:55.1±1.1, 31.65N±0.02±104.36W±0.02, h2km±10km,
n67, ±0.77/99, Western Texas

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, ISC. Rows include stations like Culberson Coun, China Draw, Reeves-Culbe, etc.

2019 MAY

Main table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, ISC. Rows include stations like Mentone, South east of T, Carlsbad, etc.

1590

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, ISC. Rows include stations like IPOC Station P, Chacalluta, Chuzmiza, etc.

FUNV 29 04:25:23.6, 10.74N±62.31W, h19km, MD3.3
TRN 29 04:25:22.5±1.3, 10.70N±62.62W±0.05, h100km±9,
±1568/16, Near coast of Venezuela

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Time, Res, ISC. Rows include stations like Mucurapo Girls, Trinidad (w), Grenada Fort F, etc.

1591

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like GRGR Grenville, GCMG Grenada, Carri, TACV Tcata, etc.

GCG 29 04:59:53.2±3.2, 15°10'N:94°69'W, h35km, 46km, MD.4.1
MEX 29 04:59:56.0±0.7, 15°21'N:94°65'W, h19km, 45km, MD.1.1
ISC 29 04:59:46.5±1.4, 15°06'N:0°05'94.61W±0.03, h12km±11km, n24, r170/44, Near coast of Oaxaca

Main table for station 1591 with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like PCIG, HUIG, CMIG, TGIG, etc.

CATAC 29 05:04:15.6±0.5, 10°N:3°8'4W, h68km, 6km, M2.8/7,
MLV2.8/7, Error ellipse: s-maj=7.6km s-min=3.4km
az=49.4, confirmed Costa Rica

Table for station 1591 with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like LCR2, COVE, OCHAL, etc.

DJA 29 05:06:58.4±0.7, 11°S:7°11'8E, h10km, M4.1/11,
mb4.3/3, MLV4.0/11
ISC 29 05:06:56.6±1.0, 11°34'S:0°08'11E±0.07, h35km, n16,
r1508/17, South of Sumbawa

Table for station 1591 with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like WBSI, PLAI, BASH, etc.

IDC 29 05:11:53.0±8.9, 20°06'S:177°00'W, h0km, mb3.6/2,
mbtmp3.6/2, Error ellipse: s-maj=391.1km
s-min=41.7km az=145.0, Fiji Islands region

Table for station 1591 with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like ASAR, WRA, ILAR, etc.

KRNET 29 05:23:35.3±0.1, 40°69'N:77°42'E, h19km, mb4.2
NNC 29 05:23:35.6±1.1, 40°69'N:77°51'E, h0km, mb4.7, mpv4.3,
Error ellipse: s-maj=7.8km s-min=5.8km az=6.0

SOME 29 05:23:35.0±0.4, 40°71'N:0°04'77.30E±0.03, h10km, n74,
r237/117, 37C-22D, Kyrgyzstan-Kinjiang border region

Table for station 1591 with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like TARG, NRN, KDJ, etc.

2019 MAY

Table for station 2019 MAY with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like IZV, IZV, IZV, etc.

MTBS 29 05:22:28.1±1.8, 103nm, 0.3s
MTBS 227nm, 0.4s
MTBS 103nm, 0.3s

Main table for station 2019 MAY with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like AAA, AAA, AAA, etc.

DGS 29 05:27:28.0±2.0, 19°41'N:68°77'W, h89km, 2km, MD3.0/4
ISC 29 05:25:04.0±2.4, 19°7'N:0°26'59W±0.05, h10km, n16,
r137/19, 1C-3D, North Atlantic Ocean

Table for station 2019 MAY with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like AAK, KURS, KURS, etc.

CHMS 29 05:29:42.9±0.7, 27°73'N:139°91'E, h472km, 8km, mb3.3/11,
mbtmp4.1/15, Error ellipse: s-maj=26.0km s-min=12.5km
az=64.0

JMA 29 05:29:44.8±0.3, 28°N:2°14'1E, h497km, 4km, MV4.1/32,
W OFF OGASAWARA
ISC 29 05:29:44.6±0.7, 27°86'N:0°09'140'3E±0.1, h500km, n30,
r172/36, mb3.6/11, Bonin Islands region

Main table for station 2019 MAY with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like CBIJ, JCJ, JHH, etc.

29d 5h

Table for station 29d 5h with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like KNOS, MNAS, DJR, etc.

ARK 29 05:28:17.0±1.0, 80nm, 0.5s
ARK Arkit 4.16 287
ARK TDK Taldyqorghan 4.37 10
TKD Taldyqorghan 4.37 10

Table for station 29d 5h with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like DRK, TRKS, KAPS, etc.

NEIC 29 05:25:05.4±2.1, 19°62'N:0°08'68.71W±0.03, h10km, 2km,
ML2.3/0, MD3.0/4(RSPR), Error ellipse: s-maj=14.1km
s-min=4.3km az=9.0

RSPR 29 05:25:09.2, 19°41'N:68°77'W, h89km, 2km, MD3.0/4
ISC 29 05:25:04.0±2.4, 19°7'N:0°26'59W±0.05, h10km, n16,
r137/19, 1C-3D, North Atlantic Ocean

Table for station 29d 5h with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like SMDR, SMDR, DR12, etc.

IDC 29 05:29:42.9±0.7, 27°73'N:139°91'E, h472km, 8km, mb3.3/11,
mbtmp4.1/15, Error ellipse: s-maj=26.0km s-min=12.5km
az=64.0

JMA 29 05:29:44.8±0.3, 28°N:2°14'1E, h497km, 4km, MV4.1/32,
W OFF OGASAWARA
ISC 29 05:29:44.6±0.7, 27°86'N:0°09'140'3E±0.1, h500km, n30,
r172/36, mb3.6/11, Bonin Islands region

Main table for station 29d 5h with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like CBIJ, JCJ, JHH, etc.

Table with columns: TXAR, Lajitas Array, 96.45 52 P, P, 05 42 21.7 +1.4

Table with columns: LPAZ, La Paz, 151.29 72 PKPbc, PKIKP, 05 48 45.2 +2.2

Table with columns: PLCA, Paso Flores, 151.59 125 PKPbc, PKIKP, 05 48 44.0 +1.7

IDC 29 05:31:39.2±3.0, 16.745×175.56W, h280km±27km, mb3.3/2, mbtmp4.3/4, Error ellipse: s-maj=58.4km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

JMA 29 05:35:05.4±0.1, 24.1°N, 0.3°E, h41km, MV2.9/13, TAIWAN REGION

TAP 29 05:35:05.6±2.1, 0.24°N, 12.76E, h44km, ML3.6, B

ISC 29 05:35:06.2±1.0, 24.14°N, 0.02°E, h34km±1km, n138, o090/218, 4C, Taiwan

Main table listing station data for the first section, including columns for Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

Main table listing station data for the second section, including columns for Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

DJA 29 06:06:06.0±0.6, 7°S, 5.10°E, h10km, M4.2/11, mb4.4/3, MLv4.1/11, Sunda Strait

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

GCG 29 06:17:16.±3.1, 13.86N, 92.72W, h26km±40km, MD4.2

MEX 29 06:17:20.6±0.4, 14.18N, 92.68W, h8km±1km, MD4.0

ISC 29 06:17:15.5±2.2, 14.01N, 0.08, 92.60W, 0.06, h16km±11km, n20, i149/34, Near coast of Chiapas

Main table listing station data for the third section, including columns for Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

DJA 29 06:31:34.7±0.8, 10.5°S, 29.11°E, h66km±67km, M3.8/7, mb3.9/2, MLV3.8/7, South of Bali

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

NEIC 29 06:36:25.8±1.0, 33.80S, 0.10°E, h10km±1km, mb4.7/8, Error ellipse: s-maj=23.9km s-min=11.6km az=56.0

IDC 29 06:36:25.3±0.9, 33.94S, 55.91E, h0km, mb4.1/8, mbtmp4.1/9, ML4.5/1, MS3.4/4, Error ellipse: s-maj=35.5km s-min=18.3km az=73.0

ISC 29 06:39:26.2±0.6, 33.82S, 0.08°E, h10km, n38, SCZ 19/26, mb4.4/11, MS3.3/4, 1D, Southwest Indian Ridge

Main table listing station data for the fourth section, including columns for Code, Station Name, Δ°, AZ°, Phase ID, Time, Res

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURBB Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like THIG THIG, SMCA Catarina, SMCA Catarina, PATR El Naranjo, PATR El Naranjo, PAVE Pavencul, PAVE Pavencul, RTAL Rathuleu, RTAL Rathuleu, PCIG PCIG, PCIG PCIG, HUEH Huehuetenango, HUEH Huehuetenango, STGB El Palmar, Qui, STGB El Palmar, Qui, TGIG TGIG, TGIG TGIG, CMIG Matias Romero, CMIG Matias Romero.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURBB Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURBB Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, BVAR Borovoye Array, CATAC CATAC, CATAC CATAC, SNET SNET, GCG GCG, GCG GCG, ILAR Eielson Array, ILAR Eielson Array, TXAR Lajitas Array, TXAR Lajitas Array.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like PAVA Las Pavas, PAVA Las Pavas, PAVA Las Pavas, LOMA Loma Larga, LOMA Loma Larga, LOMA Loma Larga, CSNG Cosiguina Volc, CSNG Cosiguina Volc, UUES Universidad Ev, UUES Universidad Ev, POTN Potosi Cosigui, POTN Potosi Cosigui, PMON Piamonte, PMON Piamonte, JMYA Jayaque - finc, JMYA Jayaque - finc, JAYA Jayaque - finc, JAYA Jayaque - finc, JAYA Jayaque - finc, JAYA Jayaque - finc, CEDA San Andres, CEDA San Andres, CEVE Cerro Verde, CEVE Cerro Verde, SBL San Blas, SBL San Blas, RTR El Retiro, RTR El Retiro, NUBE Las Nubes, NUBE Las Nubes, NUBE Las Nubes, NUBE Las Nubes, NUBE Las Nubes, NUBE Las Nubes, MTOJ Montecristo, MTOJ Montecristo, TGUH Tegucigalpa,Un, TGUH Tegucigalpa,Un, YUSH Yuscaran, YUSH Yuscaran, YUSH Yuscaran, YUSH Yuscaran.

WEL 29 07:56:58.2,37°54'S,177°13'E,h4km,ML3.4,Mw3.4 Moment Tensor Solution - e3 Moment tensor: Scale 10^4 Nm: M1=-1.13; Mw0.57; Mw0.57; Mw0.57; Mw0.99; Mw0.13; Fault plane solution: M1.720000i,4.000000j,0.730000k; δ65.000000°,λ-58.000000°. NP2=197.000000°,δ40.000000°,λ-139.000000°. Principal axes: T -1.7350, P14.0000, Azm140.0000; N 1.7050, P129.0000; Azm238.0000; P 0.0300, P1657.0000; Azm27.0000; Stations used: URZ RTZ TOZ OBLIQUE-NORMAL FAULTING

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like WSRZ White Island S, WSRZ White Island S, WIZ White Island, WIZ White Island, MWFR Matata Watcher, MWFR Matata Watcher, OPRZ Ohinepanea, OPRZ Ohinepanea, HAZ Te Kaha, HAZ Te Kaha, MARZ Manawaha, MARZ Manawaha, RUGZ Raukumara Rang, RUGZ Raukumara Rang, EDRZ Edgecumbe, EDRZ Edgecumbe, TRGZ Tauranga, TRGZ Tauranga, URZ Urewera, URZ Urewera, LIRZ Lichenstein R, LIRZ Lichenstein R, MYRZ Mayor Island, MYRZ Mayor Island, MKRZ Makaititi, MKRZ Makaititi, PKGZ Pakihoro, PKGZ Pakihoro, KARZ Kaharoa, KARZ Kaharoa, MWZ Matawai, MWZ Matawai, MWZ Matawai.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURBB Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, MSVF Nonsavu, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, ILAR Eielson Array, ILAR Eielson Array, TXAR Lajitas Array, TXAR Lajitas Array.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURBB Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, ASRS 29 08:19:20.0, ASRS 29 08:19:20.0, ASRS 29 08:19:20.0, ASRS 29 08:19:20.0, ASRS 29 08:19:20.0, ASRS 29 08:19:20.0, ASRS 29 08:19:20.0, ASRS 29 08:19:20.0, ASRS 29 08:19:20.0, ASRS 29 08:19:20.0.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like VLAKA Lakatoro, VLAKA Lakatoro, DZM Mont Dzumac, DZM Mont Dzumac, OUCEN Ouen Island, OUCEN Ouen Island.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like NLAI Namlea, NLAI Namlea, AI Ambon, AI Ambon, MSAI Masohi, MSAI Masohi, SANI Sanana, SANI Sanana, BNDI Bandanaira, BNDI Bandanaira, SNI Sorong, SNI Sorong, SWI SWI, FAKI Fak Fak, FAKI Fak Fak, APSI Ampama, APSI Ampama, WRA Warramunga Arr, WRA Warramunga Arr.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Array, MKAR Makanchi Array, KURBB Kurchatov Arra, KURBB Kurchatov Arra.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like PCIG PCIG, PCIG PCIG, PATR El Naranjo, PATR El Naranjo, PAVE Pavencul, PAVE Pavencul, SMCA Catarina, SMCA Catarina, TGIG TGIG, TGIG TGIG, CCIG Comitán, CCIG Comitán, CCIG Comitán, HUEH Huehuetenango, HUEH Huehuetenango, HUEH Huehuetenango, STGB El Palmar, Qui, STGB El Palmar, Qui, UXUV UXUV, UXUV UXUV, CMIG Matias Romero, CMIG Matias Romero, NEUV Arroyo Zacate, NEUV Arroyo Zacate, PETF Flores, PETF Flores, TOIG Toxपाल, TOIG Toxपाल, SCIG Sabancuy, SCIG Sabancuy.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like MRKS Merke, MRKS Merke, KST Kastek, KST Kastek, KST Kastek, DGS Degeres, DGS Degeres, TNSS Tian-Shan, TNSS Tian-Shan, TNSS Tian-Shan, TNSS Tian-Shan, KK31 Karatay Array, KK31 Karatay Array, KTBS Karatay Array, KTBS Karatay Array.

RSPR 29 09:04:16.7, 8°18'N-68°77'W, h115km, MD2.7, h6km
NEIC 29 09:04:18.0, 8.18, 78.7N, 0.3:68.72VL0.07, 7/6km, 15km,
ML2.4/8, Md2.7/6(RSPR), Error ellipse: s-maj=46.8km
s-min=2.1km az=191.0

ISC 29 09:04:17.4, 2.0, 18.7N, 0.2:68.75W, 0.07, h106km, 14km,
n17, c093/18, 5C-10D, Mona Passage

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like HIDR Higüey Centro, DR12 Loma Peña Alta, SMDR Samana, etc.

IDC 29 09:07:08.3, 0.7, 6°80'N-72°97'W, h157km, 7km, mb3.3/8,
mbmp3.8/10, Error ellipse: s-maj=20.7km s-min=7.3km
az=128.0

RSNC 29 09:07:09.1, 0.0, 7°N-1°7'30"W, h146km, 2km, M3.8, mb4.5,
mb5.2, ML3.3, MLV4.2, Mw(mB)4.5
ISC 29 09:07:07.8, 0.7, 6.87N, 0.03:73.11W, 0.03, h152km, 5km,
n51, c1932/93, mb3.4/8, Northern Colombia

Main table listing seismic stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BARC Barichara, PAMC Pamplona, etc.

ASAR Alice Springs 149.15 234 PKP 09 26 34.4 -0.5
ASAR Warramunga Arr 150.37 241 PKPbc PKPbc 09 26 38.5 -0.8
WRA 1.6nm, 0.6s, baz=115, slow=3.8, SNR=9.9
0.5nm, 0.5s, baz=109, slow=2.5, SNR=32

GCG 29 09:18:20.7, 1.0, 15.65N-93.22W, h90km, 31km, MD4.1
MEX 29 09:18:21.7, 0.7, 15.67N-93.15W, h106km, 6km, MD4.0
ISC 29 09:18:17.1, 1.5, 15.61N-93.17W, 0.04,
h124km, 10km, n16, c1990/31, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like PCIG, PATR, PAVE, etc.

KRNET 29 09:18:18.0, 1.1, 41°40'N-78°85'E, h11km, mb3.7
SOME 29 09:19:19.2, 41°28'N-78°79'E, h15km
NINC 29 09:19:20.1, 0.9, 41°34'N-78°69'E, h0km, mb4.1, mpv3.8,
Error ellipse: s-maj=6.0km s-min=3.6km az=164.0

ISC 29 09:19:22.1, 1.3, 41°42'N-06°78.60E, 0.04, h10km, n59,
c1960/80, 19C, Kyrgyzstan-Xinjiang border region

Main table listing seismic stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TARG Taragay, PRZ Przheval'sk, etc.

Main table listing seismic stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DGS Degeres, ARXS Arhaly, etc.

IDC 29 09:21:40.5, 1.5, 0.36S-132°77'E, h0km, mb3.6/3,
mbmp3.5/4, ML3.4/1, Error ellipse: s-maj=104.5km
s-min=22.8km az=73.0

DJA 29 09:21:48.7, 0.5, 1°S-8°13'1"E, h37km, 6km, M3.5/4,
MLV3.5/4
ISC 29 09:21:48.1, 1.1, 0.85S-01°131.42E, 0.09, h35km, n8,
c232/9, mb3.8/3, Irian Jaya region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SWI Sorong, FAKI Fak Fak, etc.

IDC 29 09:24:32.8, 1.1, 28°27'N-139°92'E, h374km, 11km,
M3.2/16, mbmp4.0/21, Error ellipse: s-maj=19.9km
s-min=10.3km az=77.0

JMA 29 09:24:32.8, 0.3, 28°N-1°41'E, h395km, 4km, MV3.6/44,
W OFF OGASAWARA

ISC 29 09:24:33.9, 0.6, 28°36'N-0°06.14S, 0.09, h400km, n50,
c201/58, mb3.6/16, Bonin Islands region

Main table listing seismic stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CBJI Chichi jima, CJJ Chichijima, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JNU Nakatsue, JMM Marumori, JTM Tenmabayashi, etc.

ASRS 29 09:25:54.0±1.1, 53.538N-87.92E, h0km, mb3.0/5, mbmp3.9/10, MS3.3/6, Error ellipse: s-maj=26.0km s-min=17.2km

ASRS 29 09:25:57.1±1.1, 53.538N-87.89E, h0km, mbtmp2.7/k, ML2.5/2, Error ellipse: s-maj=26.0km s-min=15.7km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

ASRS 29 09:27:09.9±9.9, 25.02S, 179.49E, h596km, 99km, mb3.0/5, mbmp4.1/6, Error ellipse: s-maj=98.3km s-min=28.5km

ASRS 29 09:27:13.9±3.0, 25.6S, 02h:178.9E, 0.4, h600km, n17, ±265/13, mb3.6/5, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WSRZ White Island S, WIZ White Island, etc.

NEIC 29 10:14:15.8±1.4, 52.4S, 01h:27.5E, 0.2, h10km, 1km, mb4.6/13, Error ellipse: s-maj=25.0km s-min=19.2km

ASRS 29 10:14:15.3±0.9, 52.39S, 27.67E, h0km, mb3.9/6, mbtmp3.9/6, MS3.3/5, Error ellipse: s-maj=36.6km s-min=23.9km az=85.0

ASRS 29 10:14:15.8±0.6, 52.32S, 009:27.5E, 0.1, h10km, n28, ±088/21, mb4.2/10, MS3.1/5, South of Africa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H04S2 CROZET ISLANDS, H04S3 CROZET ISLANDS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOSA Boshof, BOSA Boshof, BOGA Pongola, etc.

ASRS 29 10:25:40.2±1.2, 7.19S, 155.01E, h0km, mb3.9/10, mbtmp3.9/10, MS3.3/6, Error ellipse: s-maj=40.6km s-min=22.6km az=107.0

ASRS 29 10:25:46.4±1.2, 7.2S, 02h:155.0E, 0.3, h41km, n15, ±059/11, mb3.8/10, MS3.3/3, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, PMG Port Moresby, JAY Jayapura, etc.

NEIC 29 10:26:41.1±1.3, 18.52N, 07h:145.7E, 0.1, h187km, 7km, mb4.4/9, Error ellipse: s-maj=18.2km s-min=10.0km az=53.0

ASRS 29 10:26:42.0±0.7, 18.56N, 145.58E, h208km, 6km, mb3.7/23, mbtmp4.2/26, Error ellipse: s-maj=14.0km s-min=7.7km az=84.0

ASRS 29 10:26:41.2±0.4, 18.59N, 004:145.56E, 0.09, h200km, n99, ±1540/99, mb4.2/52, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUMO Guam, GUMO Guam, GUMG GUMG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, TOLIZ Tolitoli, KKCM Kota Kinabalu, etc.

29d 10h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like NVAR Mina Array Bea, FINES FINES Array B, PDAR Pinedale Array, PLCA Paso Flores, LPAZ La Paz.

IDC 29 10:28:21.6, 1.6, 41.16N, 78.88E, h0km, mb3.6/3, mbtmp3.5/8, ML3.1/4, MS2.8/4, Error ellipse: s-maj=20.4km s-min=16.1km az=1.0

SOME 29 10:28:23.6, 1.4, 27N, 78.73E, h20km KRNET 29 10:28:25.8, 0.1, 41.41N, 78.75E, h18km, mb3.8 NNC 29 10:28:30.8, 5.9, 41.47N, 79.86E, h0km, mb4.3, mpv4.0, Error ellipse: s-maj=48.4km s-min=32.2km az=130.0

ISC 29 10:28:24.9, 0.9, 41.37N, 0.004, 78.79E, 0.03, h10km, n81, z=503/121, 28C-21D, Kyrgyzstan-Kinjabor border region

Main table of station data for the 29d 10h period, listing various stations like TARG Taragay, PRZ Przheval'sk, KDJ Kajisay, ZHN Zhinshiske, SHLS Shalko, etc.

2019 MAY

Main table of station data for 2019 MAY, listing stations like KBK UCH, UCH Uchtor, ARLS Aral, CHMS Chumysh, FRU1 Bishkek, AAK Ala-Archa, etc.

1596

Table of station data for 1596, listing stations like HAZ Manawaha, MARZ Manawaha, RUGZ Manukama Rang, EDHZ Edgumbe, etc.

IDC 29 10:42:56.1, 2.7, 19.66N, 144.21E, h0km, mb3.7/4, mbtmp3.7/4, Error ellipse: s-maj=177.8km s-min=31.6km az=122.0, Mariana Islands

Table of station data for the IDC 29 10:42:56.1 event, listing stations like GUA Guam, WRA Warramunga Arr, FITZ Fitzroy Crossi, ASAR Alice Springs, etc.

NEIC 29 10:57:55.7, 1.1, 56.49N, 10.10, 148.6W, 0.1, h10km, 2km, mb3.7/2, ML3.8/8, ML3.5(AEIC), Error ellipse: s-maj=17.0km s-min=10.7km az=168.0

IDC 29 10:57:59.5, 1.9, 56.62N, 148.75W, h0km, mb3.4/1, mbtmp3.4/3, ML3.1/2, MS3.0/7, Error ellipse: s-maj=49.7km s-min=28.6km az=100.0

AEIC 29 10:58:01.4, 0.9, 56.57N, 0.09, 148.7W, 0.1, h10km, 7km, Error ellipse: s-maj=13.1km s-min=9.2km az=168.0

ISC 29 10:57:56.0, 0.9, 56.54N, 0.09, 148.64W, 0.06, h10km, n185, r1901/176, MS3.0/4, Gulf of Alaska

Main table of station data for the 1596 period, listing stations like KDAK Kodiak Island, OHAK Old Harbor, OHAK Old Harbor, SYI Shuyak Island, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACHA, KAHC, HIN, KAIM, ILS, CNTC, EYAK, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like L16K, N14K, BPAW, BESE, N30M, etc.

Table with columns: Station Name, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GOLH, AKAS, AKAS, AKAS, AKAS, etc.

29d 13h

Table with columns: QSPA, South Pole Qui, 29.46 180, P, P, 12 28 06.6 +0.6, 12 28 09.6, 12 28 08.4 +2.4, etc.

HEL 29 12:41:07.1-0.2, 68°09'N-33°41'E, h0km, ML1.9, Explosion KOLA 29 12:41:10.6, 68°11'N-33°12'E, h0km, ML2.2, Error ellipse: s-maj=2.8km s-min=1.1km az=80.0, Olenegorsk City, Mines

ISC 29 12:41:07.0-6.0, 68.08N-03°03'17E-0.03h, n37, r157/47, SC-2D, Near coast of northern Chile

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

2019 MAY

Table with columns: KALU, Kalix, 4.45 245, SN, Sn, 12 43 09.5 +0.8, 12 43 09.6, 12 42 16.9 -0.3, etc.

IDC 29 12:43:43.5-3.1, 21.88Sx70°60'W, h0km, mb3.3/1, mbmp3.5/2, ML4.0/1, Error ellipse: s-maj=97.9km

GUC 29 12:43:51.8-0.9, 21°27'S-70°04'W, h38km-2km, ML3.7

ISC 29 12:43:51.2-1.1, 21°29'S-70°06'W, 0.05h, h34km±10km, n37, r157/47, SC-2D, Near coast of northern Chile

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

NEIC 29 12:44:50.4-1.7, 23°53'O:1x179:1W:0:2, h400km±11km, mb4.1/18, Error ellipse: s-maj=26.8km s-min=12.6km

IDC 29 12:45:03.5-1.9, 24°21'S-179°88'W, h501km, 19km, mb3.3/6, mbmp4.2/9, Error ellipse: s-maj=22.6km s-min=20.7km

ISC 29 12:44:49.6-0.8, 23°43'S-0°09.179:0W:0:1, h400km, n35, r185/34, mb4.0/15, South of Fiji Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

1598

Table with columns: EIDS, Eidsvold, 27.29 260, P, P, 12 50 00.2 +0.6, 12 50 00.6, 12 50 22.8 -2.1, etc.

SJA 29 13:00:52.5-1.8, 21°18'S-68°8'W, h130km±10km, ML3.9, MW3.9

NEIC 29 13:00:53.1-1.7, 21°17'S-0:05:68°68'W, 0.05h, h114km, 7km, mb4.4/10, ML4.1(GUC), Error ellipse: s-maj=7.9km

GUC 29 13:00:54.0-0.9, 21°15'S-68°79'W, h107km±4km, ML4.1

VAO 29 13:00:54.8-0.8, 21°07'S-68°55'W, h123km, 7km, mb4.3

IDC 29 13:00:55.0-2.5, 21°20'S-68°35'W, h114km±22km, mb3.9/4, mbmp4.2/8, MS2.4/1, Error ellipse: s-maj=31.6km

ISC 29 13:00:52.7-0.6, 21°17'S-0:03:68°77'W, 0.05h, h118km, 6km, n100, r167/116, mb4.3/6, 4C-3D, Chile-Bolivia border

ISC 29 13:00:52.7-0.6, 21°17'S-0:03:68°77'W, 0.05h, h118km, 6km, n100, r167/116, mb4.3/6, 4C-3D, Chile-Bolivia border

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

1599

Table with columns: ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

BGR 29 13:06:38.2, 51.96N, 35.29W, h33km, mb4.7, Ms3.8
DNK 29 13:06:48.9, 3.3, 51.72N, 32.93W, h10km, mb4.3
NEIC 29 13:06:53.9, 1.8, 52.51N, 0.06, 31.3W, 0.1, h10km, 1km, mb4.7/97, Error ellipse: s-maj=15.3km s-min=10.3km az=252.0
IDC 29 13:06:54.0, 5.0, 52.62N, 31.45W, h0km, mb4.2/24, mbtmpp, 3.27, ML4.3, MS3.6/69, Error ellipse: s-maj=19.3km s-min=11.8km az=110.0
GCMT 29 13:06:55.9, 0.3, 52.47N, 0.03, 31.59W, 0.03, h19km, 1km, MW4.7/86, Moment Tensor Solution, s13, c13, s86, c110; Duration: 0 Moment tensor: Scale 10^19Nm; Mw=0.51; 11; Mw=0.68; 08; Mw=1.18; 08; Mw=1.05; 16; Mw=0.78; 05; Mw=0.06; 13; Best double couple: M01.22800x10^16 NP1=204.00000, s78.00000, -1.8.00000. NP2: s296.00000, s82.00000, -1.68.00000. Principal axes: T 1.4660, Plg3.0000, Azm70.0000; N -0.4810, Plg76.0000, Azm328.0000; P -0.9890, Plg14.0000, Azm161.0000; ns1a refers to body waves, cutoff=40s. ns1a2 refers to surface waves, cutoff=50s. Triangular moment-rate function
INMG 29 13:07:01.0, 6.2, 52.89N, 30.94W, h10km, M4.5, mb4.3, Ms3.1, #DIST_RANGE: DISTANT
ISC 29 13:06:56.1, 0.5, 52.72N, 0.08, 31.35W, 0.05, h12km, ns34, s1840/480, mb4.7/144, MS3.7/79, 6C-17D, Northern

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

2019 MAY

Table with columns: ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

29d 13h

Table with columns: ID, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

29d 13h

Table with columns: RES, Location, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like KEST Kesra, KEST Kesra, KEST Kesra, etc.

2019 MAY

Table with columns: H31M, Location, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like H31M Peel River, KBZ Khabaz, KBZ Khabaz, etc.

1600

Table with columns: NEW, Location, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like NEW Newport, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like F19K, MVCO, MCK, RDOG, E18K, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NV11, NVAR, BRZS, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like JOB, ONBets, NAKASH, etc.

MEX 29 13:41:13.0... GCG 29 13:41:14.1... ISC 29 13:41:10.9... Code Station Name Az El Op Phase ID Time Res

29d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ESSG Sabana Grande, FG8 Yecopaca, CGIG Comitan, etc.

HLW 29 13:47:05.5, 25.34N, -37.20E, h10km, 15km, M2.6
SGS 29 13:47:07.1, 25.48N, 37.23E, h8km, M3.1
ISC 29 13:47:06.0, 1.0, 25.45N, 0.003, 37.21E, h15km, 8km, n52, c0.649/57, Western Arabian Peninsula

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UMJ13 Umluj, UMJ06 UMJ06, UMJ02 UMJ02, etc.

AEIC 29 13:48:32.2, 1.5, 52.6N, 0.2, 176.2W, 0.1, h225km, 7km, Error ellipse: s-maj=32.2km s-min=9.0km az=169.0
NEIC 29 13:48:32.9, 0.5, 52.72N, 0.3, 176.2W, 0.1, h225km, 11km, mb3.6/8, ML3.6/6, ML3.1(AEIC), Error ellipse: s-maj=43.4km s-min=9.3km az=171.0, Andreanof Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GSSP Great Sitkin S, GSTR Great Sitkin T, GSTD Great Sitkin T, etc.

GCG 29 13:49:13.7, 1.8, 15.14N, 92.70W, h106km, 10km, MD4.9, ML4.5, MW4.3
NEIC 29 13:49:14.1, 1.8, 15.15N, 92.69W, 0.05, h108km, 5km, mb4.6/51, MD4.9/84(MEX), Error ellipse: s-maj=10.5km s-min=6.0km az=208.0
IDC 29 13:49:14.7, 0.8, 15.48N, 92.02W, h100km, 6km, mb3.8/17,

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PATR El Naranjo, PATR El Naranjo, THIG, etc.

mbmp4.2/18, MS3.1/1, Error ellipse: s-maj=23.1km s-min=11.6km az=57.0
MEX 29 13:49:15.1, 1.1, 15.07N, 92.77W, h106km, 8km, MD4.9
CATAC 29 13:49:18.4, 1.1, 15.15N, 92.72W, h88km, 6km, M4.5/6, ML4.5/6, Error ellipse: s-maj=19.5km s-min=11.9km az=148.9, confirmed
ISC 29 13:49:13.8, 0.4, 15.16N, 0.004, 92.77W, 0.03, h106km, 3km, n478, c1.959/523, mb4.4/31, Mexico-Guatemala border region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RTAL Retalhuleu, RTAL Retalhuleu, RTAL Retalhuleu, etc.

1602

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CRIN San Cristobal, CRIG Cruz Grande, CRIG Cruz Grande, etc.

1603 2019 MAY 29d 13h

PDAR	Pinedale Array	31.07 336	P	P	13 55 24.5 +2.5
PDAR	comp-Z, 0.5nm, 0.6s, baz=146, slow=10, SNR=5.6				
PDAR	comp-Z, 0.5nm, 0.7s, baz=138, slow=7.5, SNR=2.8				
PDAR	comp-Z, 0.8nm, 0.5s, baz=140, slow=4.6, SNR=7.7				
PDAR	comp-Z, 2.4nm, 19.8s, baz=154, slow=38				
HVU	Hansel Valley	31.66 331	P	P	13 55 26.8 -0.4
NVAR	Mina Array Bea	32.31 321	P	P	13 55 37.2 +4.2
NVAR	comp-Z, 2.1nm, 0.8s, baz=136, slow=9.1, SNR=16				
NVAR	comp-Z, 3.4nm, 0.8s, baz=133, slow=7.9, SNR=7.4				
NVAR	comp-Z, 1.9nm, 1.0s, baz=135, slow=4.6, SNR=4.4				
M65A	Busby, Falmout	32.53 32	P	P	13 55 34.9 +0.3
ULM	Lac du Bonnet	35.09 357	P	P	13 55 55.6 -1.0
ULM	comp-Z, 1.3nm, 0.4s, baz=162, slow=14, SNR=3.0				
ULM	comp-Z, 4.4nm, 0.8s, baz=186, slow=7.9, SNR=5.6				
ULM	comp-Z, 5.9nm, 0.7s, baz=224, slow=1.8, SNR=8.0				
ULM	comp-Z, 4.2nm, 19.9s, baz=80, slow=38				
SAML	Samuel	37.86 127	P	P	13 56 18.7 -1.9
SAML	Samuel	37.86 127	eP	P	13 56 18.7 -1.9
LPAZ	La Paz	39.60 141	P	P	13 56 34.4 -1.4
LPAZ	comp-Z, 1.7nm, 0.6s, baz=311, slow=7.9, SNR=7.2				
MDP	Montagnes des	40.67 100	LR	LR	14 17 07.9
ITTB	Itaituba	41.49 115	eP	P	13 56 48.9 -1.9
VILB	Vilhena	42.65 129	P	P	13 56 58.7 -1.4
VILB	Vilhena	42.65 129	eP	P	13 56 58.8 -0.4
NPGB	Novo Progresso	43.14 118	eP	P	13 57 01.8 -2.4
SCHO	Schefferville	44.41 21	P	P	13 57 12.3 -1.5
SCHO	comp-Z, 2.2nm, 0.7s, baz=226, slow=8.1, SNR=5.6				
SCHO	comp-Z, 2.1nm, 0.6s, baz=161, slow=6.4, SNR=4.0				
SCHO	comp-Z, 3.3nm, 19.9s, baz=146, slow=37				
PTDR	Porto dos Gac	44.51 125	eP	P	13 57 13.1 -2.0
PDRB	Pontes e Lacer	45.04 131	P	P	13 57 18.7 -0.5
PTLB	Pontes e Lacer	45.04 131	eP	P	13 57 18.7 -0.5
PTLB	Serra de San D	45.16 134	eP	P	13 57 19.4 -0.8
BBSD	Santa Antonio	47.89 129	eP	P	13 57 40.0 -0.8
SALV	Serra Nova Dou	49.12 121	eP	P	13 57 50.0 -1.0
SNDB	Yellowknife Wh	49.70 347	P	P	13 57 54.5 -0.2
YKAW1	Yellowknife Ar	49.73 347	P	P	13 57 55.0 0.0
YKA	comp-Z, 1.8nm, 0.7s, baz=116, slow=14, SNR=12				
YKA	comp-Z, 1.5nm, 0.8s, baz=150, slow=7.2, SNR=2.9				
YKA	comp-Z, 1.6nm, 0.7s, baz=157, slow=3.2, SNR=5.9				
V35K	Ketchikan	49.98 332	P	P	13 57 59.3 +2.4
KOTAN	Kotaneleele Air	50.35 340	P	P	13 58 02.1 +2.4
T35M	Bob Quinn	50.43 334	P	P	13 58 02.7 +2.3
BEAVL	Fort Liard	50.73 340	P	P	13 58 04.9 +2.4
SMTB	Santa Maria do	50.73 115	eP	P	13 58 02.5 -0.8
CRAG	Craig	50.76 332	P	P	13 58 05.0 +2.3
AQDB	Aquidauana	50.80 133	eP	P	13 58 03.7 +0.1
WRAK	Wrangell Islan	50.98 333	P	P	13 58 07.1 +2.7
U33K	Whale Pass	51.14 332	P	P	13 58 08.6 +3.0
DLBC	Dease Lake	51.30 336	P	P	13 58 09.8 +2.9
FRB	Fraser Bay	51.36 14	LR	LR	14 19 54.2
S34M	Telegraph Cree	51.40 335	P	P	13 58 10.3 +2.7
CFA	Coronel Fontan	52.12 153	P	P	13 58 13.9 +0.7
R33M	Jennings River	52.30 336	P	P	13 58 17.2 +2.8
Q32M	Nakina River	52.53 335	P	P	13 58 18.9 +2.7
S32K	Killsnoo	52.59 333	P	P	13 58 18.6 +2.3
SIT	Sitka	52.68 332	P	P	13 58 19.6 +2.5
TGTN	Hyland Airport	52.79 340	P	P	13 58 20.2 +2.4
P32M	Atlin	53.51 335	P	P	13 58 25.7 +2.5
P33M	Teslin, Yukon	53.54 336	P	P	13 58 26.3 +2.8
S31K	Pelican	53.60 333	P	P	13 58 26.5 +2.7
CPUP	Villa Florida	53.74 140	P	P	13 58 25.4 +0.2
BDFB	Brasilia	53.77 123	P	P	13 58 24.1 -1.6
BDFB	comp-Z, 10.0nm, 1.0s				
BDFB	comp-Z, 5.8nm, 0.6s, baz=279, slow=6.8, SNR=8.0				
ITRB	Iturama	54.22 128	eP	P	13 58 28.4 -0.4
N32M	Quiet Lake	54.24 337	P	P	13 58 31.1 +2.6
PLBC	Pleasant Camp	54.51 334	P	P	13 58 33.2 +2.8
MMPY	Sheldon Lake	54.56 339	P	P	13 58 33.5 +2.7
WHY	Whitehorse	54.62 336	P	P	13 58 32.3 +1.0
WHY	Whitehorse	54.62 336	IAMB	IAMB	13 58 34.8
WHY	comp-Z, 8.1nm, 1.0s				
SDBA	SAO DESIDERIO	54.73 117	eP	P	13 58 31.7 -1.0
IPMER1	FARO	55.03 338	P	P	13 58 33.2 -0.5
FARO	FARO	55.03 338	P	P	13 58 35.6 +2.4
P30M	Million Dollar	55.14 335	P	P	13 58 37.6 +2.6
O30N	Mendenhall	55.17 336	P	P	13 58 37.6 +2.4
P29M	Windy Craggy	55.19 334	P	P	13 58 37.8 +2.5
M31M	Drury Creek, Y	55.39 338	P	P	13 58 39.0 +2.2
N31M	Braeburn, Yuko	55.47 337	P	P	13 58 39.6 +2.3
HYT	Haines Junction	55.76 335	P	P	13 58 41.9 +2.3
N30M	Aishikh Lake	55.96 336	P	P	13 58 43.6 +2.7
YUK6	Outpost Mounta	56.18 335	P	P	13 58 45.3 +2.7
BB19B	Belvedere	56.41 129	eP	P	13 58 44.2 -0.4
YUK4	Talbot Arm	56.52 335	P	P	13 58 47.7 +2.7
O28M	Mount Upton	56.84 334	P	P	13 58 49.8 +2.4
YUK8	Steele Glacier	56.93 335	P	P	13 58 50.8 +2.7
M29M	Somme Creek	57.06 337	P	P	13 58 51.2 +2.5
MESA	MESA	57.28 333	P	P	13 58 51.9 +1.5
L29M	L29M	57.32 337	P	P	13 58 52.3 +1.8
CTG	Chitna Glacier	57.42 334	P	P	13 58 52.8 +1.5
YUK3	Moose Creek	57.48 335	P	P	13 58 53.2 +1.4
K29M	Barlow Dome	57.53 338	P	P	13 58 53.4 +1.4
C36M	Paulatuk	57.61 347	P	P	13 58 53.8 +1.6
H31M	Peel River	57.69 341	P	P	13 58 54.6 +1.6
I30M	Mount Dempster	57.97 340	P	P	13 58 56.6 +1.5
BVCY	Beaver Creek	57.98 336	P	P	13 58 56.9 +1.9
CRQE	Cirque	58.05 334	P	P	13 58 57.9 +2.2
KAWM	Kayak Island	58.25 332	P	P	13 58 58.1 +1.2
DAIMY	Dawson	58.33 338	P	P	13 58 59.0 +1.5
MCARA	McCarthy VSAT	58.33 334	P	P	13 58 59.9 +2.4
M27K	Edge Creek, AK	58.35 336	P	P	13 58 59.0 +1.2
G31M	Satah River	58.41 342	P	P	13 58 59.5 +1.7
F31M	Tsigehtchic	58.60 343	P	P	13 58 59.6 +1.4
SFJD	Kangerlussuaq	58.64 18	LR	LR	14 27 06.6
B27K	Beaver Creek	58.69 336	P	P	13 59 01.6 +1.6
LCAR	Beaver Creek	58.70 336	P	P	13 59 01.9 +1.8
I29M	Ogilvie Camp	58.70 340	P	P	13 59 01.5 +1.5
VAO	Valinos	58.71 129	eP	P	13 59 01.1 +0.4
EPYK	Eagle Plains	58.80 341	P	P	13 59 02.3 +1.6
BMRM	Bremner River	58.81 333	P	P	13 59 03.3 +2.4
M26K	Nabesna, AK	58.83 335	P	P	13 59 02.7 +1.8
N25K	Chitina, Valde	59.10 334	P	P	13 59 05.0 +2.1
EYAK	Chickova Ski Ar	59.12 333	P	P	13 59 04.8 +1.9
INK	Inuvik	59.12 344	P	P	13 59 04.0 +1.2
H29M	Whitestone	59.24 340	P	P	13 59 05.0 +1.4
B5CB	Bom Sucesso	59.25 126	eP	P	13 59 04.7 +0.2
L26K	Log Cabin Wild	59.28 336	P	P	13 59 06.2 +2.1
K27K	Chickova Ski Ar	59.30 337	P	P	13 59 05.9 +1.7
F30M	Barrier River	59.30 342	P	P	13 59 05.9 +1.8
I28M	Miner Creek	59.31 339	P	P	13 59 05.7 +1.4
RES	Resolute Bay	59.54 359	LR	LR	14 26 07.5
G29M	Pine Creek	59.54 341	P	P	13 59 07.1 +1.3
KLU	Klutina	59.62 334	P	P	13 59 08.4 +2.0
H23K	Montague Islan	59.63 332	P	P	13 59 08.7 +2.2
PARK	HAARP	59.71 335	P	P	13 59 09.1 +2.1
GLI	Glacier Island	59.86 333	P	P	13 59 09.6 +1.5
A36M	Sachs Harbour	59.97 349	P	P	13 59 09.9 +1.4
I27K	Kandik River	59.98 339	P	P	13 59 10.6 +1.8
M24K	Salsona, Glenn	60.00 334	P	P	13 59 11.4 +2.4
SCRK	Tal Creek	60.00 337	P	P	13 59 11.0 +2.0
PAX	Paxson	60.10 335	P	P	13 59 11.6 +1.9
J26L	Joseph Creek	60.10 337	P	P	13 59 11.7 +2.0
RIDG	Independent Ri	60.22 336	P	P	13 59 12.5 +2.0
H27K	Steebambout Moun	60.29 339	P	P	13 59 12.6 +1.6
I26K	Coal Creek Min	60.37 338	P	P	13 59 13.2 +1.8
SCM	Sheep Creek Mo	60.37 334	P	P	13 59 13.7 +2.1
PWL	Port Wells	60.41 332	P	P	13 59 13.8 +2.0
E29M	Blow River	60.41 342	P	IAMB	13 59 11.1 -0.6
E29M	Blow River	60.41 342	P	IAMB	13 59 14.6
E29M	Blow River	60.41 342	P	P	13 59 13.5 +1.8
M23K	Glacier View	60.52 333	P	P	13 59 14.5 +1.9
K24K	Donnelly Dome	60.61 336	P	P	13 59 15.0 +1.9
SEW	Seward	60.62 331	P	P	13 59 15.0 +1.8
G27K	Doyon Strip	60.66 340	P	P	13 59 15.0 +1.6
KNK	Knik Glacier	60.69 333	P	P	13 59 15.5 +1.9
CMC01	Camacan, BA	60.72 118	eP	P	13 59 13.8 -0.8
SML	Sawmill	60.79 333	P	P	13 59 16.3 +1.8
J25K	Salcha River	60.84 337	P	P	13 59 16.8 +2.1
WAT6	Susitna Watana	60.86 334	P	P	13 59 16.9 +1.9
O22K	Cooper Landing	60.89 332	P	P	13 59 17.1 +2.0
E28M	Babbage River	61.02 342	P	P	13 59 17.6 +1.8
GHO	Glory Hole Cre	61.03 333	P	P	13 59 15.6 -0.5
PMR	Palmer	61.05 333	P	P	13 59 18.1 +2.0
BRSE	Bradley Lake S	61.09 331	P	P	13 59 18.4 +2.0
RC01	Rabbit Creek A	61.13 332	P	P	13 59 18.8 +2.1
D28M	Stokes Point	61.23 343	P	P	13 59 19.5 +2.3
PRP	Porcupine Dome	61.33 338	P	P	13 59 19.6 +1.5
HDA	Harding Lake	61.35 336	P	P	13 59 19.5 +1.4
E27K	Coleen River	61.41 341	P	P	13 59 20.2 +1.7
G26K	Porcupine River	61.44 340	P	P	13 59 20.9 +2.3
ILAR	Eielson Array	61.49 337	P	P	13 59 20.1 +1.1
ILAR	Eielson Array	61.49 337	P	P	13 59 20.2 +1.2
ILAR	comp-Z, 6.4nm, 0.9s, baz=131, slow=5.0, SNR=60				
ILAR	comp-Z, 1.1nm, 0.8s, baz=122, slow=5.3, SNR=3.5				
HOM	Home	61.49 330	P	P	13 59 21.6 +2.5
Q20K	Shuyak Island	61.51 329	P	P	13 59 21.5 +2.3
M22K	Willow	61.55 333	P	P	13 59 21.8 +2.3
CAPN	Captain Cook N	61.65 332	P	P	13 59 22.4 +2.3
SUA	Susitna One	61.72 332	P	P	13 59 22.9 +2.1
H25L	Birch Creek	61.80 338	P	P	13 59 23.4 +2.3
MCK	McKinley	61.84 335	P	P	13 59 2

29d 14h

Table with columns for station ID, name, frequency, and other parameters. Includes stations like J16K Anvik River, L15K Ungalak Mounta, H17K Granite Mounta, etc.

SNET 29 14:07:25.0.0.9.13.12N.89.28W. h46km.7km. ML4.1
CATAC 29 14:07:25.1.0.4.13.13N.89.28W. h27km.2km. M3.9/31,
MLV3.9/31, Error ellipse: s-maj=5.5km s-min=2.5km

GCG 29 14:07:26.6.1.5.13.22N.89.32W. h51km.11km. MD4.2
ISC 29 14:07:25.4.1.3.13.11N.05.89.26W. h27km=12km,
n110, e0974/121, 2C-19D, El Salvador

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists various stations like LALI, JNK, JAK, etc.

2019 MAY

Table with columns: COEG, Station Name, Frequency, and other parameters. Includes stations like COEG Centro de Oper, TECO Alcaldia de Te, TECO Alcaldia de Te, etc.

MOS 29 14:09:11.8.0.6.43.34N:144.46E, h143km, mb4.4/6, Error ellipse: s-maj=12.9km s-min=8.4km az=82.0
NEIC 29 14:09:13.6.1.4.43.34N:144.5E:0.1, h143km, 8km, mb4.2/34, Error ellipse: s-maj=13.7km s-min=9.9km

SKHL 29 14:09:13.1.0.2.43.40N:144.50E, h138km, 3km, mb5.0/4, msh5.7/3

JMA 29 14:09:13.2.0.1.43.3N:0.5:144.5E:0.7, h136km=1km, MV3.6/40, KUSHIRO REGION

JMA Feil J1 at KUSHIRO REGION -
NIED 29 14:09:13.2.4.331N:144.49E, h136km, MW3.7, Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm

Mm:2.64; Mw:-0.79; Mw:-1.86; Mw:3.32; Mw:-0.56; Mw:0.01;
Fault plane solution: N:3.84000e+10 10^4 NP1:
phi=2.12,00000°, delta=1.00000°, lambda=9.00000°. NP2:phi=5.00000°, delta=1.00000°, lambda=104.00000°

IDC 29 14:09:17.1.1.3.43.93N:144.38E, h147km, 8km, mb3.6/15, mbmp4.0/16 Error ellipse: s-maj=24.9km s-min=15.7km az=178.0

ISC 29 14:09:12.6.0.6.43.30N:0.04:144.50E:0.03, h139km, 5km, n117, e0963/138, mb4.1/38, 1C-3D, Hokkaido region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like JNK, JAK, JAK, etc.

1604

Table with columns: Station Name, Frequency, and other parameters. Includes stations like YUK, YUK, comp=E,112nm,0.1s, etc.

Table of astronomical observations for 1605, including objects like KURK, L27K, I30M, BVAR, EVN, KKKAR, PMG, EUNU, BYL, AB31, ABKAR, RES, RES, RES, ARCES, FIA1, FINES, KBZ, HFS, NVAR, AKASG, BUR08, BUR09, CLL, CLL, EKA, GERES, GERES, GRA1, GRF, GRFO, GRFO, TXAR with associated coordinates and magnitudes.

ADC 29 14:15:29.9,0.6,3.19S,140:55E,h0km,mb4,3/11, m-bmp4,3/13,ML3,7/1,MS3,6/18, Error ellipse: s-maj=24.9km s-min=7.9km az=102.0

Table of astronomical observations for 1605, including objects like GENI, JAY, JAY, JAY, JAY, WAMI, SMPI, SRPI, BAKI, MANU, FAKI, FAKI, PMG, PMG, COEN, COEN, KDU, DRD, MTN, MTN, MTSU, KNRA, KNRA, QIS, GUMO, SOEI, SOEI, WBO, WBO, WR8, WR8, WRAB, WRAB, CTAO, WRA, WRA, WRA, FITZ, FITZ, FITZ, FITZ, AS01, AS31, ASAR, ASAR with associated coordinates and magnitudes.

Table of astronomical observations for 1605, including objects like ASAR, MYLDM, MYLDM, EIDS, EIDS, WRKA, OOD, TGY, MBWA, MBWA, STKA, DZM, GIRD, MORW, MJAR, NJ2, NJ2, RPSI, RPSI, PSI, KSR5, GSI, GSI, LYN, LYN, LYN, CMAR, HNS, HNS, HNS, HNS, XAN, XAN, XAN, PZH, PZH, PZH, HHC, HHC, LZH, LZH, LZH, GTA, GTA, PETK, SONM, SHEM, MA2, YAK, SEY, PPT2, MKAR, MAZK, MAZK, ZAAO, ZALV, ZALV, BOOM, VANDA, VANDA, VANDA, KURK, KURK, KURB, KK31, KK31, KK31, TAEO, K17K, K17K, J17K, J17K, BVAR, BRVK, BRVK, TTA, TTA, L19K, G18K, J19K, J19K, H19K, H19K, K20K, K20K, G19K, MAW, MAW, J20K, J20K, CAST, F20K, F20K, SML, RND, RND, WRH, WRH, WRH with associated coordinates and magnitudes.

Table of astronomical observations for 1605, including objects like ASAR, MYLDM, MYLDM, EIDS, EIDS, WRKA, OOD, TGY, MBWA, MBWA, STKA, DZM, GIRD, MORW, MJAR, NJ2, NJ2, RPSI, RPSI, PSI, KSR5, GSI, GSI, LYN, LYN, LYN, CMAR, HNS, HNS, HNS, HNS, XAN, XAN, XAN, PZH, PZH, PZH, HHC, HHC, LZH, LZH, LZH, GTA, GTA, PETK, SONM, SHEM, MA2, YAK, SEY, PPT2, MKAR, MAZK, MAZK, ZAAO, ZALV, ZALV, BOOM, VANDA, VANDA, VANDA, KURK, KURK, KURB, KK31, KK31, KK31, TAEO, K17K, K17K, J17K, J17K, BVAR, BRVK, BRVK, TTA, TTA, L19K, G18K, J19K, J19K, H19K, H19K, K20K, K20K, G19K, MAW, MAW, J20K, J20K, CAST, F20K, F20K, SML, RND, RND, WRH, WRH, WRH with associated coordinates and magnitudes.

Table of astronomical observations for 29d 14h, including objects like CCB, CCB, H24K, H24K, IL31, IL31, ILAR, ILAR, C23K, F24K, F24K, J25K, J25K, AB31, ABKAR, MENT, MENT, DOT, DOT, DOT, QSPA, QSPA, J26L, J26L, BMAR, C26K, F26K, H27K, DAWY, DAWY, M29M, K29M, K29M, DBIC, DBIC, LPAZ, LPAZ with associated coordinates and magnitudes.

Table of astronomical observations for 29d 14h, including objects like NOU, IDC, WEL, ISC, Code, Station Name, A, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC with associated coordinates and magnitudes.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KBAZ, PRGZ, PKGZ, ETAZ, CKHZ, etc.

NEIC 29 14:38:37.6 ± 1.0, 38.62N, 0.01 ± 1.12, 25W, 0.01, h4km, 5km, Error ellipse: s-maj=1.6km s-min=1.0km az=218.0

UUSS 29 14:38:38.1 ± 1.1, 37.81N, 0.02 ± 1.12, 26W, 0.02, h6km, 5km, ML2.6/13, ML2.5/50(NEIC). Error ellipse: s-maj=2.3km s-min=1.7km az=159.0, Utah

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MVU, WCU, CWUT, DWU, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ELK, WUAZ, PD31, Y14A, BGR 29, etc.

Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMLA, PMAZ, PMOZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SFJD, ICESG, DOU, BMRD, etc.

Table with columns for station code, station name, elevation (MLR), station type (P, I, A, etc.), and coordinates (e.g., 14 54 29.4 +0.2).

Table with columns for station code, station name, elevation (MLR), station type (P, I, A, etc.), and coordinates (e.g., 14 54 29.4 +0.2).

Table with columns for station code, station name, elevation (MLR), station type (P, I, A, etc.), and coordinates (e.g., 14 54 29.4 +0.2).

Table with columns for station name, frequency, power, and other technical details. Includes stations like ESDC Sonseca Array, ESBP Sonseca Array, and various local and regional stations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PLAL Pickwick Lake, MOX comp=Z,9.0nm,1.3s, and various international and regional stations.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SMTB Santa Maria do Kraliky, KRLC Kraliky, and various international and regional stations.

29d 14h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MNK, MNSK, BDFB, etc.

2019 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like BRTR, BR10A, A36M, etc.

1610

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like N32M, PFO, P33M, etc.

29d 16h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WASW, M19K, O28M, M18K, O15K, WATI, L19K, O29M, P29M, M17K, DHY, PPLA, S31K, M27K, M16K, N15K, RND, KTH, HYT, S12K, L27K, L16K, BPAW, O30N, K17K, M29M, CCB, J19K, J26L, I23K, P33M, K29M, M31M, N32M.

IDC 29 16:22:47.1±0.8, 56°49N-148°60W, h0km, mb3.7/13, mbtap3.7/18, ML3.5/5, MS3.4/32, Error ellipse: s-maj=20.7km s-min=13.2km az=34.0

NEIC 29 16:22:48.8±1.3, 56°3N-0°1:148.8W-0°1:1, h10km, 2km, mb4.2/14, ML4.0/54, ML3.7(AEIC), Error ellipse: s-maj=17.6km s-min=11.5km az=160.0

AEIC 29 16:22:50.7±3.7, 56°2N-0°1:148.65W-0°10, h6km±6km, Error ellipse: s-maj=0.0km s-min=0.0km az=69.0

ISC 29 16:22:48.6±0.7, 56°35N-0°08-148.58W-0°06, h10km, n182, r119/156, mb4.1/18, MS3.4/27, Gulf of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KDAK, OHAK, SYI, SII, CNPM, BRLL, HOM, Q19K, SEW, ACHA, P19K, P19K, HIN, KAIM, EYAK, EYAK, PWL, PWL, RAGM, RAGM, RED, RED, GLI, GLI, HMT, RC01, RC01, BERG, O19K, O19K, O18K, O18K, KNK, KNK, BMRM, BMRM, SUA, SUA, CROM, CROM, CROM.

2019 MAY

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like STLK, Strandline Lak, SML, Sawmill, SCML, Sheep Creek Mo, P16K, Nushagak River, GRNC, Granite Creek, H18K, H18K, M24K, Tolsona, Glenn, M20K, Stys River, N17K, Nushagak Hills, M19K, Big River Log, O29M, Mount Kennedy, D29M, Sand Point, M17K, Holitna River, PAX, Paxson, M27K, Edge Creek, AK, M16K, Timber Creek, M18K, Granite Mounta, TRF, Thorofore Moun, O14K, Tigykuaivut M, MCK, McKinley, K20K, Telitla, L27K, Beaver Creek, TTA, Tatalina, BCAR, Beaver Creek A, K24K, Donnelly Dome, RIDG, Independent Ri, DOT, Dotted, L16K, Ohwat River, N14K, Kuskokwak Cree, SKAG, Skagway, BESE, Bessie Mountai, O30N, Mendanial, SCRR, Sand Creek, K17K, Iditarod, HDA, Harding Lake, WRH, Wood River Hill, J18K, Innoko River, M14K, Betha, J20K, Nowinta River, CCB, Clear Creek Bu, K27K, Chicken, J19K, Poorman, WHY, Whitehorse, J19K, Joseph Creek, W5Y, Salcha River, IL31, Eielson Array, ILAR, ILAR, P32M, Atlin, L29M, L29M, M13K, Dali Lake, J17K, VABM Dome, L14K, Kukka Creek, I23K, Mirto, Yukon-K, K15K, Wolf Creek Mou, DAWY, Dawson, J16K, Anvik River, P33M, Teslin, Yukon, P19P, Porcupine Dome, I26K, Coal Creek Min, N32M, Quiet Lake, H23K, Yukon River, H17K, Unalakleet, H20S, DAWSON INLET T, R33M, Jennings River, H19K, Roundabout Mou, H18M, Honhosa River, I28K, Miner Creek, H17K, Granite Mounta, DLBC, Dease Lake, DLBC, Dease Lake, DLBC, DLBC, G24K, Hadowitz Lake, G23K, Bananza Creek, H27K, Steamboat Moun, G18K, Tagagawik, COLD, Coldfoot, F21K, Alatina River, F20K, Avarata Lake, F26K, Sheenjek River, G29M, Pine Creek, E24K, Your Creek, E19K, Redstone River, E21K, Kiklik River, G31M, Satah River, D23K, Nanushuk River, D22K, Ayikyak River, B21K, Bella Bella, D20K, Etivuk River, C23K, Hikitlik River, B21K, Ikpiupuk River, INK, Inuvik, INK, INK, C16K, Lisburne Hills, B20K, Teshchik Lake, B20K, Meade River, YKA, Yellowknife Ar, YKA, Yellowknife Ar, YKA, Yellowknife Ar, YKAW3, Yellowknife Wh, E03A, Lebam, E03A, Lebam, A36M, Sachs Harbour, A36M, LTY, Liberty, MXC, Moxie City, MXC, WAH2, Wahluke Slope, WAH2, WAH2, D08A, Wolfman Farm, NEW, Newport, NEW, NEW, NEW, BBOR, Butte Butte, PINE, Pine Mountain, KXSJ, Camp Six Broad, J05D, Fort Rock, OR, J05D, J05D, JETTE, Jette, BILL, Bilibino, BILL, BILIBINO, MPK, Round Top, ELK, Elko, ELK, ELK, NVAR, Mina Array Bea, NVAR, Mina Array Bea, NVAR, Mina Array Bea, NVAR, RES, Resolute Bay.

1614

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PDAR, Pinedale Array, PDAR, Petropavlovsk, HMU, Henry Mountain, MA2, Magadan, ANMO, Annaparuaque, TIXI, Tikisi, FRB, Froisher Bay, YAK, Yakutsk, TXAR, Lajitas Array, SFG, Kangerlussuaq, DAG, Dugway Haven, SCHO, Schefferville, KLR, Kul'dur, TKL, Tulechek-C, H112N, WAKE ISLAND Hy, H111N, WAKE ISLAND Hy, H112S, WAKE ISLAND Hy, H113S, WAKE ISLAND Hy, BORG, Borgarnes, ARCES, ARCES Array B, SONM, Songiro Array, SONM, ZALV, Zalesovo Beam, ZALV, NOA, NORARS Array B, HHC, Hu-ho-hao-te, FINES, FINESS Array B, KIRV, Kirov, ARTI, Art, BVAR, Borovoye Array, BVAR, MKAR, Makanchi Array, MKAR, AKASC, Malin Array Be, AAK, Ala-Archa, SDV, Santo Domingo, PZH, PanZhihua, PZH, Sonseca Array, ESDC, South Pole Quik, STR 29 16:22:52.4±0.5, 46°N-2°W, h3km, MLV1.8/6, Error ellipse: s-maj=0.0km s-min=0.0km az=105.2, preliminary, Switzerland.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AIGL, Aigle, OGS1, OGS1, RSL, Roselend, RSL, Passo dei Sala, SATI, SATI, OGMV, Moye, OGMV, OGMV, Corcelles, OGMV, CHMF, Charmoille, CHMF, OGS1, Saint Maurice, OGS1, Bouclans, BOUC, Bouclans.

IDC 29 16:23:04.0±3.9, 39°06N-123°15W, h0km, mb2mk, 0/4, ML3.9/2, Error ellipse: s-maj=45.5km s-min=28.2km az=37.0

NCEDC 29 16:23:36.6±1.1, 38°81N-0°01:122°82W-0°02, h2km±4km, ML2.8/19, ML2.7/36(NEIC), Error ellipse: s-maj=2.3km s-min=1.7km az=59.0

NEIC 29 16:23:36.8±0.9, 38°802N-0°010:122°79W-0°02, h1km, 1km, Error ellipse: s-maj=2.1km s-min=1.5km az=81.0

ISC 29 16:23:36.7±1.2, 38°80N-0°02:122°18W-0°03, h1km±11km, n181, r103/149, Northern California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GDXM, Geysers, GDXM, GGPM, Geyser Peak, GAXM, Alexander Vall, GSGM, Seigler Mounta, GRTM, Round Top Moun, NHSM, Mount Saint He, HOPS, Hoiland Field, HOPS, NMTM, Middleton, MNRC, McLaughlin Min, MNRC, McLaughlin Min, GCHM, House Creek.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like OAKV, CVCS, GGUM, QRDG, MCCC, GFC, NADM, NOLM, etc.

DJA 29 16:26:46.0, 6.9 S; 6.6 E; 12.4 E, h99km, 9km, M3.5/7, mb3.9/2, MLV3.9/7

WEL 29 16:38:44.5, 38.47S; 175.85E, h170km, ML4.5, Mw4.4, Moment Tensor Solution, s7 Moment tensor: Scale 10^15

ISC 29 16:38:42.0, 6.3852S; 0.04-175.74E; 0.04, h192km, 4km, n251, r1940/272, mb3.9/2, N13, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like SOEI, MMRI, BATI, EDI, WSI, etc.

ISC 29 16:29:27.1, 1.7, 2.12N; 127.79E, h0km, mb3.6/5, mbmp3.7/5, M3.2/3, Error ellipse: s-maj=102.9km

ISC 29 16:29:41.3, 1.0, 2.4N; 127.7E, h125km, 10km, M3.2/7, MLV3.2/7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like TMTI, SANGI, SANI, FITZ, WRA, ASAR, USKR, MKAR, KURBS, etc.

ISC 29 16:38:41.6, 0.4, 38.10S; 176.19E, h193km, 6km, mb3.6/6, mbmp4.1/6, Error ellipse: s-maj=27.6km s-min=18.1km

WEL 29 16:38:44.5, 0.38 S; 7.17 E; 6.1 E, h163km, 5km, M4.5/12/1, mb3.9/2, MLV3.9/7

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ML3.6/7, WEL 29 16:38:44.5, ISC 29 16:38:42.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PUZ, MRZ, ABAB, BFZ, etc.

29d 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, MAZ Makanchi, KURBB Kurchatov Arra, etc.

NEIC 29 16:39:11.2.0.7, 19.26N.0.02:155.40W.0.02, h36km,2km, Error ellipse: s-maj=2.9km s-min=2.5km az=144.0

HVO 29 16:39:12.6.0.8, 19.26N.0.04:155.39W.0.04, h31km,7km, ML3.1/43,ML3.3/38(NEIC), Error ellipse: s-maj=7.7km s-min=3.5km az=144.0, Hawaiian Islands

Main table listing stations and their parameters. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like HTK Hot Caves, HLP Hilina Pali, SDHH Sand Hill, etc.

KRSC 29 16:54:05.7.1.6, 55.23N.164.50E, h49km,26km, M13.7, Komandorsky Islands region

Table listing stations in the Komandorsky Islands region. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, KBR Krutoberegovo, etc.

2019 MAY

Table listing stations and their parameters. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DALK Dalny, INSR Institute, GSSR Ossora, etc.

AEIC 29 16:56:45.6.1.6, 53.57N.0.07:164.76W.0.07, h47km,9km, Error ellipse: s-maj=10.0km s-min=5.6km az=160.0

NEIC 29 16:56:45.9.1.0, 53.54N.0.05:164.74W.0.05, h34km,11km,ML3.1/14,ML3.0(AEIC), Error ellipse: s-maj=6.6km s-min=4.3km az=177.0, Unimak Island region

Main table listing stations and their parameters. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AKUT Akutan, AHB Akutan Broad B, AKMO Akutan Morgan, etc.

IDC 29 17:15:26.5.6.2, 7.32N.59.22E, h0km, mb3.7/9, mbmp3.7/9, MS3.4/12, Error ellipse: s-maj=131.4km s-min=41.0km az=162.0

ISC 29 17:15:29.2.6.3, 7.5M.0.9.59.1E.0.4, h10km, n18, c193/9, mb3.6/9, MS3.2/12, Carlsberg Ridge

Main table listing stations and their parameters. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PALK Pallekele, AAK Ala-Archa, LSZ Lusaka, etc.

IDC 29 17:36:52.6.1.8, 10.62S.66.26E, h0km, mb3.7/8, mbmp3.7/8, MS3.5/14, Error ellipse: s-maj=59.2km s-min=26.6km az=60.0

ISC 29 17:36:53.0.1.8, 10.7S.0.3.66.1E.0.3, h10km, n30, c054/11, mb4.0/8, MS3.3/14, Mid-Indian Ridge

Main table listing stations and their parameters. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H0ES1 Diego Garcia H, H0ES3 Diego Garcia H, H0ES2 Diego Garcia H, etc.

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Main table listing stations and their parameters. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like LBTB Lobatez, BOS Boshof, CMA Chiang Mai Arr, etc.

CATAC 29 17:38:55.0.5.12, N3.3'x8'8W, h28km, M3.0/14, az=39.1, confirmed, Near coast of Nicaragua

Main table listing stations and their parameters. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CSGN Cosiguina Volc, CSOTN Potosi Cosigui, CNCH Conchagua, etc.

SKHL 29 17:57:05.3.0.4, 44.50N.146.50E, h156km,3km, mb4.2/4, msha4.9/3

JMA 29 17:57:06.4.0.5.44, N2.2'x14.6'E, h168km, MV3.0/25, NEAR KUNASHIRI ISLAND

ISC 29 17:57:04.8.2.6.44, AN.0.1x146.6E.0.1, h175km, 17km, n16, c088/27, Kuril Islands

Main table listing stations and their parameters. Columns include Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SHO Shikotan, SHO Shikotan, SHO Shikotan, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like Babate, Sonseca Array, Midelt, Schefferville, San Juan, etc.

Table with columns: PLID, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like North Rim, Pine Spring, Elko, Circle Bar, etc.

Table with columns: EIDS, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like Mont Dzumac, Warramunga Arr, WAKE ISLAND Hy, etc.

29d 18h

Table listing seismic data for stations GSI through NOA, including station name, location, and various parameters like depth and magnitude.

MAY

Main table of seismic data for May, listing station names (e.g., AK02, AK10), locations (e.g., Malin Array Si), and detailed parameters including depth, magnitude, and quality indicators.

1620

Table listing seismic data for stations SOEI through EKS2, including station name, location, and parameters like depth and magnitude.

29d 21h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ULN Ulanbaatar, DBIC Dimpokoro, DBIC comp=2.31nm,21.4s, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PRU 29 19:44:34.0,51'46N,15'99E, h0km, Poland.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

29d 20:17:55.5,2.7,7.42S:105.86E, h0km, mb3.6/8, mbmp3.6/8, Error ellipse: s-maj=139.8km s-min=18.6km az=51.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SKJI Sukabumi, CGJI Cibinong, CNJI Cibinong.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, H01W1 Cape Leeuwin H.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H02S2 Diego Garcia H, H02S3 Diego Garcia H, H02S1 Diego Garcia H.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, STKA Stephens Creek.

2019 MAY

2019 MAY 29 20:29:02.0,2.4,7.77S:128.69E, h0km, mb3.3/1, mbtmp3.2/3, ML3.1/2, M32.0/1, Error ellipse: s-maj=173.2km s-min=31.8km az=68.0, Banda Sea

UCR 29 20:42:52.3,1.5,11.98N:0.05,86.52W,0.05,h132km,8km, n66, c059/79, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like COPN Copaltepe, SAPP Ciudad Sandino, UNAN Cigeo UNAN.

29 21:11:02.9,1.0,2.32N:128.56E, h0km, mb3.9/9, mbtmp3.9/9, Error ellipse: s-maj=51.9km s-min=16.3km az=74.0

NEIC 29 21:11:14.9,1.0,2.08N:0.07,128.3E,0.1, h97km,8km, mb4, 1/16, Error ellipse: s-maj=16.8km s-min=5.9km az=120.0

DJA 29 21:11:14.5,0.4,2.13N:3.12,12.8E, h58km,4km, M3.9/9, c092/39, mb4.0/15, Malhatera

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, FITZ Fitzroy Crossi, WBO Warramunga Arr, WRA Warramunga Arr.

AUST 29 20:47:45.0,3.3,30.54'x12.4E, h10km, ML3.1/7, Error ellipse: s-maj=8.5km s-min=4.7km az=176.5

29 20:43:51.2,7.3,29.98S:124.55E, h0km, mbtmp3.5/4, ML3.2/4, Error ellipse: s-maj=75.2km s-min=43.4km az=55.0

29 20:43:46.9,3.0,30.25S:124.04E,0.05, h10km, n19, c390/21, Western Australia

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KMBL Kambalda, FORT Forrest, KURK Kurchatov, KAR31 Karatay Array.

JMA 29 21:02:27.7,1.2,45.15N:150.0E, h30km, MV4.2/15, KURILE ISLANDS REGION

SKHL 29 21:02:28.2,0.4,45.00N:150.30E, h49km,4km, mb4.6/3, Kuril Islands

1624

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KUR Kuril'sk, KUR 240nm,0.3s, KUR 520nm,0.4s, SHO Shikotan.

29 21:11:02.9,1.0,2.32N:128.56E, h0km, mb3.9/9, mbtmp3.9/9, Error ellipse: s-maj=51.9km s-min=16.3km az=74.0

NEIC 29 21:11:14.9,1.0,2.08N:0.07,128.3E,0.1, h97km,8km, mb4, 1/16, Error ellipse: s-maj=16.8km s-min=5.9km az=120.0

DJA 29 21:11:14.5,0.4,2.13N:3.12,12.8E, h58km,4km, M3.9/9, c092/39, mb4.0/15, Malhatera

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, FITZ Fitzroy Crossi, WBO Warramunga Arr, WRA Warramunga Arr.

29 21:02:27.7,1.2,45.15N:150.0E, h30km, MV4.2/15, KURILE ISLANDS REGION

SKHL 29 21:02:28.2,0.4,45.00N:150.30E, h49km,4km, mb4.6/3, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, STKA Stephens Creek.

29 21:23:03.0,1.4,0.21S:125.62E, h0km, mb3.7/5, mbtmp3.7/5, ML3.4/1, Error ellipse: s-maj=121.1km s-min=19.4km az=67.0, Southern Molouca Sea

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs.

1625

Table with columns: MKAR, Makanchi Array, 60.19 327 P, P, 21 33 12.7 -0.2

Table with columns: KURBS, Kurchatov Arra, 64.48 329 P, P, 21 33 41.6 +0.2

Table with columns: BVAR, Borovoye Array, 70.03 328 P, P, 21 34 16.7 +0.1

NEIC 29 21:33:11.5-1.7, 56.04N-0.08-149.5W, 0.1, h23km, 9km, ML3.8/54, ML3.6(AEIC), Error ellipse: s-maj=11.9km

AEIC 29 21:33:15.8-1.0, 56.13N-0.09-149.6W, 0.1, h39km, 10km, Error ellipse: s-maj=12.8km s-min=9.0km az=162.0

ISC 29 21:33:09.8-1.3, 56.12N-0.08-149.56W, 0.06, h10km, n105, r128/103, Gulf of Alaska

Main table for 1625 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

2019 MAY

Table with columns: CAST, Castle Rocks, 7.44 351 Pn, 21 34 59.5 +1.3

MDD 29 21:35:18.0-0.3, 38.60N-1.25W, h3km, 3km, mb, Lg2.2/15, Error ellipse: s-maj=2.0km s-min=1.8km az=84.0

SFS 29 21:35:19.8, 38.59N-1.22W, h26km, ML2.5/4, ML2.1/5, MLv2.0/5

ISC 29 21:35:17.9-1.1, 38.59N-0.03-125W, 0.03, h13km, 10km, n21, r074/39, Spain

Main table for 2019 MAY with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

JMA 29 21:35:28.2-0.3, 23.12N-122.6E, 0.9, h48km, MV2.6/16, FAR S OFF ISHIGAKIUMA

TAP 29 21:35:29.6, 22.81N-122.54E, h61km, 1km, ML3.0, D

ISC 29 21:35:25.8-1.2, 22.80N-0.03-122.60E, 0.03, h17km, 9km, n84, r070/139, Taiwan region

Main table for 2019 MAY with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

29d 21h

Table with columns: NACB, Anshuo, 1.67 256 S, Sn, 21 35 13.8 -1.0

ISC 29 21:40:06.6-6.7, 29.89S-176.86W, h0km, mb3.6/2, mbtmp3.6/2, Error ellipse: s-maj=349.3km

s-min=38.2km az=158.0, Kermadec Islands region

ISC 29 21:40:06.6-6.7, 29.89S-176.86W, h0km, mb3.6/2, mbtmp3.6/2, Error ellipse: s-maj=349.3km

Main table for 29d 21h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

ASAR Alice Springs, 44.13 266 P, P, 21 48 17.9 +0.8

WRA Warramunga Arr, 45.07 271 P, P, 21 48 23.8 -0.9

FINES Fines Array B, 145.00 341 PKPbc, PKPab, 21 59 44.5 0.0

NOA NORAS Array B, 148.39 353 PKPbc, PKPbc, 21 59 54.1 -0.3

HFS Hagfors, 148.94 350 PKPbc, PKPbc, 21 59 56.4 +0.6

AKASG Malin Array B, 151.48 324 PKPbc, PKPbc, 21 59 59.9 -2.3

TAP 29 21:42:13.4, 24.08N-121.51E, h19km, ML1.6, B, Taiwan

Main table for 29d 21h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

29d 22h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes entries like SS LB Suanglung, HGSB Ruisi, EHY Hungye, etc.

JMA 29:21:42:45.1±0.2, 23°N 123°E±0.8, h58km, MW2.2/13, FAR S OFF ISHIGAKIJIMA, Southeast of Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes entries like HATJ Hateruma jima, IRIF Irif, etc.

NEIC 29:21:55:19.5±1.3, 43.3°N 105°E±0.6, h0km, 1km, ML3.6/67, Error ellipse: s-maj=10.2km s-min=9.4km az=63.0

ICC 29:21:55:20.2±1.9, 43.6°N 105°E±0.6, h0km, mbmp3.6/3, ML3.5/3, Error ellipse: s-maj=53.1km s-min=9.0km az=150.0

ISC 29:21:55:20.7±0.1, 43.72°N 105°E±0.06, h0km, n48, ±090/47, Wyoming

Main table of seismic stations with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes entries like RSSD Black Hills, K22A Casper, LAO LASA Array, etc.

HEL 29:22:03:43.4±0.5, 67.1°N 20°E±0.6, h0km, ML0.9, Suspected explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes entries like ERTU Ertsjaerv, PAJU Pajala, etc.

130 MAY

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes entries like KLF Kolari, HEF Hetta, HEF KALU, etc.

UPP 29:22:04:32.1±0.1, 67.19°N 20°E±0.6, h0km, ML1.8, Unknown, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes entries like DUNU Dundret, MASU Masugnbyn, KUA Kuravaara, etc.

MOS 29:22:13:37.8±0.9, 2°N 128°E±24E, h34km, mb5.2/70, Error ellipse: s-maj=10.3km s-min=4.5km az=114.7

BUI 29:22:13:38.0±1.6, 66°N 128°E±2E, h80km, mb5.0/27, mb5.1/75, M4.4/126, MS7.4/032

NEIC 29:22:13:43.7±1.6, 2°N 128°E±41E±0.06, h73km±1km, mb5.2/175, Error ellipse: s-maj=9.4km s-min=7.3km az=71.0

GCMT 29:22:13:44.7±0.2, 2°N 128°E±0.01±128°E±0.02, h84km±3km, MW4.9/106, Moment Tensor Solution. s42.656; s106.c154; Duration: 0 Moment tensor. Scale 10^16Nm; M=0.09±0.10; M=1.1±0.09; M=1.31±0.12; M=2.07±0.5; M=1.2±0.10; M=1.14±0.06; Best double couple: M=2.93100±0.16 NPT1.336.00000, ±0.36.00000, ±1.178.00000. NP2.244.00000, ±0.89.00000, ±1.54.00000. Principal axes: T 3.0440, Pg34.0000; Azm304.0000; N 4.2210, Pg36.0000; Azm64.0000; P 2.8180, Pg36.0000; Azm185.0000. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ICC 29:22:13:45.5±1.2, 2°N 128°E±32E, h91km, mb4.6/28, mbmp4.9/32, MS3.5/42, Error ellipse: s-maj=16.8km s-min=8.0km az=78.0

DJA 29:22:13:46.7±0.3, 2°N 128°E±12°E±12, h60km±4km, M4.9/18, mb5.2/10, mb5.2/11, MLV5.1/18, Mw(mB)4.7/10

ISC 29:22:13:44.0±0.4, 2°N 128°E±0.03±128°E±0.04, h76km±2km, h77km; PP-P, n690, ±090/706, mb5.1/167, 23C-2D,

Main table of seismic stations with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes entries like TINTI Ternate, SGTI Sangihe, SWI Sorong, etc.

1626

Main table of seismic stations with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes entries like UGM Wanagama, COEN Coen, COEN Coen, etc.

1627

Table with columns: Station, Name, Time, Frequency, Mode, and other parameters. Includes stations like HJH, FORT, CMAR, ENH, MORW, etc.

2019 MAY

Table with columns: Station, Name, Time, Frequency, Mode, and other parameters. Includes stations like JMM, ARMA, ARMS, ARMA, etc.

29d 22h

Table with columns: Station, Name, Time, Frequency, Mode, and other parameters. Includes stations like ULN, ULN, ULN, ULN, etc.

29d 22h

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like TNS5, AAJ, CHHK, BOOM, KUU, etc.

2019 MAY

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like AKUT, ABKAR, GAMB, SVE, M11K, S12K, etc.

1628

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like J19K, SEKA, D19K, MNGR, E19K, M19K, P19K, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC, h, m, s, ISC. Includes stations like GEVA, E23K, KARS, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC, h, m, s, ISC. Includes stations like GAZ, O29M, L29M, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC, h, m, s, ISC. Includes stations like JYA, JYA, JMK, etc.

Station location details and coordinates for various stations, including IDC, NEIC, JMA, and ISC stations.

Station location details and coordinates for stations like STR, LDG, and ISC stations.

29d 23h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like CAMF Camareh-sur-Me, CAMF Rostrenen, ROSF Rostrenen, etc.

ADC 22 22:49:37.3±2.6, 43.35N:105.11W, h0km, mbtmp3.3/2, ML2.9/2, Error ellipse: s-maj=57.5km s-min=10.6km az=153.0

NEIC 22 22:49:38.9±1.0, 43.66N:0.06:105.27W:0.06, h0km, i1km, ML3.2/48, Error ellipse: s-maj=10.5km s-min=6.1km az=14.0

ISC 22 22:49:39.4±1.2, 43.68N:0.06:105.22W:0.06, h0km, n34, c0593/2, Wyoming

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like RSSD Black Hills, K22A Casper, LASA Array, etc.

CATAC 22 22:50:44.2±1.3, 11.1N:9.87W, h20km, 19km, M3.6/6, MLV3.6, Error ellipse: s-maj=20.1km s-min=8.3km az=2.9, confirmed

UCR 22 22:50:45.0±1.4, 10.90N:86.44W, h0km, 7km, MW3.6

ISC 22 22:50:43.9±1.9, 10.79N:0.06:86.53W:0.08, h7km, 12km, n39, c055/46, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like ELH1 Hacienda Flor.

2019 MAY

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like ALIBA Liberia Airpor, CARN Rivas, CARN Rivas, etc.

ADC 22 23:10:45.7±2.0, 24.08S:179.92E, h535km, 21km, mb3.3/7, mbtmp4.2/9, Error ellipse: s-maj=25.6km s-min=17.8km az=151.0

ISC 22 23:10:44.6±0.7, 24.22S:0.1x180.0E:0.1, h526km, n14, c1922/16, mb3.9/7, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like MSVF Nonsavu, DZM Mont Dzumac, URK Urewera, etc.

NEIC 22 23:25:12.0±1.7, 21.52S:0.07:66.7W:0.1, h234km, 8km, mb4.3/8, Error ellipse: s-maj=14.2km s-min=9.7km az=107.0

SCB 22 23:25:11.8±1.5, 21.54S:66.70W, h226km, 20km, ML4.1/1, MW3.1, Error ellipse: s-maj=11.1km s-min=8.3km az=0.0

ADC 22 23:25:11.3±1.6, 21.47S:66.50W, h210km, 20km, mb3.7/1, mbtmp4.0/5, MS3.7/1, Error ellipse: s-maj=34.2km s-min=16.0km az=99.0

SJA 22 23:25:12.8±0.7, 21.52S:66.72W, h216km, 6km, ML3.5, MW3.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like MOCB Mochara, YJA Yavi, YJA Yavi, etc.

1630

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like PB11 IPOC Station P, TA01 Diego Aracena, TA01 Diego Aracena, etc.

CATAC 22 23:36:16.0±0.3, 12.12N:8.7W, h35km, 2km, M3.3/26, MLV3.3/26, Error ellipse: s-maj=5.3km s-min=2.2km az=37.2, confirmed, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like COPN Copaltepe, QUEN AI SSO del Vol, CNGA AI SSO del Vol, etc.

Table with columns: IANM, Nandasmo, 1.04 97 S, Sn, 23 36 49.8 +1.7, ...

Table with columns: GOO2, Mina Guanaco, 21.04 166 P, P, 23 44 56.7 +1.1, ...

Table with columns: AY03, comp-Z, 2.1nm, 0.9s, IAmb, IAmb, 23 48 05.8, ...

NEIC 29 23:40:23.8 1.6, 4.73S; 0.06:75.26W:0.06, h151km, 6km, mb4-9,120, Error ellipse: s-maj=6.6km s-min=7.8km bz=29.0

IDC 29 23:40:23.0 0.3, 4.69S; 75.09W, h147km, 2km, mb4, 0/25, mbmp4.5/31, MS3.1/2, Error ellipse: s-maj=12.7km s-min=6.8km az=60.0

VMOT 29 23:40:24.6 0.3, 4.75S; 75.06W, h155km, 2km, mb4.7, GAO 29 23:40:26.9 0.4, 4.64S; 75.02W:0.03, h177km, 4km, MW4.9/77, Moment Tensor Solution. s18,c19; z27,c97;

Duration: 0 Moment Tensor: Scale 10^16Nm; Mr=2.29e-11; Mw=0.87z; 13; Mm=3.16z; 16; Mlo=0.64z; 08; Mso=0.16z; 11; Mh=1.03z; 13; Best double couple: Mo2.87200x10^16; N1P1=198.00000; S4.5.00000; A-60.00000; N1P2=65.33000; S3.00000; A-116.00000; Principal axes: P=3.1930; Plg4.00000; Azm87.00000; AN=-0.6390; Plg2.00000; Azm356.00000; P=2.5510; Plg69.00000; Azm188.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BGR 29 23:40:44.9, 4.96S; 75.59W, h33km, mb5.0, Ms3.8, ISC 29 23:40:23.0 0.3, 4.71S; 75.03W:0.04, h148km, 2km, h148km; pP-P, n551, 0f96/592, mb4.7/102, 10C-3D,

Table with columns: Code, Station Name, Az, AzI, Op, Phase ID, H, Time, Res, ISC, ...

Table with columns: GOO2, Mina Guanaco, 21.04 166 P, P, 23 44 56.7 +1.1, ...

Table with columns: AY03, comp-Z, 2.1nm, 0.9s, IAmb, IAmb, 23 48 05.8, ...

29d 23h

Table with columns for station ID, name, coordinates, and values. Includes stations like DBIC, Dimbokro, YKA, PPT, ILON, etc.

2019 MAY

Table with columns for station ID, name, coordinates, and values. Includes stations like MESA, CTGM, CTG, F31M, etc.

1632

Table with columns for station ID, name, coordinates, and values. Includes stations like DAG, Q20K, NEA2, G24K, etc.

Table with columns: ID, Name, Comp, Az, El, S/NR, and other parameters. Includes stations like H18K Honhosa River, L16K Owhar River, etc.

Table with columns: WRA, Name, Comp, Az, El, S/NR, and other parameters. Includes stations like Warramunga Arr, WRA, HHC, etc.

Table with columns: VLAD, Name, Comp, Az, El, S/NR, and other parameters. Includes stations like Vladia, A050A, BLY, etc.

Table with columns: Code, Station Name, Az, El, S/NR, and other parameters. Includes stations like BISR, CEV, COVR, etc.

30d 2h

FUNV 29 23:55:41.5, 9.07N; 70:12W, h2km, MW3.6
ISC 29 23:55:40.0, 8.912N; 0.04:70:17W, 0.03, h10km, n20,
c218/26, 1D, Venezuela

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like SOCV, SOCV, TEPU, TEPU, BAUV, BAUV, JACV, JACV, CAPV, CAPV, etc.

IDC 29 23:58:27.9, 20.0, 29.83N, 84.59E, h0km, mb3.3/3,
mbtmp3.3/4, ML3.1/1, MS2.9/4, Error ellipse:
s-maj=331.8km s-min=70.2km az=28.0, Xizang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like MKAR, CMAR, KURBB, ZALV, SONMI, AKTO, AKASG, ASAJ.

IDC 30 00:28:03.5, 0.9, 0.97N; 121.75E, h0km, mb3.6/7,
mbtmp3.6/8, ML4.0/1, MS2.8/4, Error ellipse:
s-maj=118.7km s-min=17.1km az=66.0
DJA 30 00:28:11.3, 0.6, 1.1N; 6.12E, h10km, MA.1/6, ML3.1/4, 1/6
ISC 30 00:28:10.0, 0.9, 1.08N; 0.10:121.8E, 0.1, h44km, n19,
c151/15, mb3.6/7, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like MRSI, APSI, MPSI, KMSI, LUWI, PCI, TTSI, SMKI, KAPI, DAVI, FITZ, WRA, ASAR, ASAR, SONM, MKAR, ZALV, ZALV, KURBB, BVAR, OPO.

TAP 30 00:50:44.8, 24.86N; 121.84E, h85km, ML3.7, A
JMA 30 00:50:45.2, 0.2, 2.4; 28.0, 6; 121.9E, 0.6, h79km, 2km,
MA2/7/10, TAIWAN REGION
ISC 30 00:50:44.8, 1.4, 24.87N; 0.04:121.86E, 0.03, h86km, 6km,
h105, c05/50/165, 2C, Taiwan

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like NTC, EGS, EGS, TIPB, TIPB, TWB1, TWB1, NWF, NWF, WFSB, WFSB, SKX1, TWE, TWE, TWC, TWC, FUSB, FUSB, NDS, TWA, TWA, TWA, ESAB, ESAB, NHDH, NHDH, NDS, NWLT, NWLT, ENT, ENT, TATO, TATO, TAP, TAP, YM01, YM01.

2019 MAY

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like YM01, YM08, ZUZH, ZUZH, ZUZH, Wuta, ANPU, ANPU, LATG, LATG, ENA, ENA, CHENHUA, CHENHUA, TWST, TWST, Denshui, Denshui, YHNB, YHNB, YHNB, Yeheng, Yeheng, YHNB, Yeheng, YHNB, Yeheng, EAHA, EAHA, EIOS2, EIOS2, NNS, NNS, NNS, Datong, Datong, NCUH, NCUH, NCUH, Guanxi Townshi, Guanxi Townshi, NFF, NFF, Wufeng Townshi, Wufeng Townshi, NFF, Wufeng Townshi, EIOS3, EIOS3, NACB, NACB, NACB, Ninganchiao, Ninganchiao, NACB, Ninganchiao, ETLH, ETLH, XiuLin Townshi, XiuLin Townshi, ETLH, XiuLin Townshi, SBCB, SBCB, SBCB, Emei, Emei, LIOB, LIOB, HSN, HSN, HSN, Hsinchu, Hsinchu, NSTT, NSTT, NSTT, Chiawan, Chiawan, FUSF, FUSF, FUSF, Fushou, Fushou, FUSF, FUSF, EIOS4, EIOS4, TWT, TWT, TWT, Tachien, Tachien, TWT, Tachien, TDCB, TDCB, TDCB, Tech, Tech, TDCB, Tech, WHF, WHF, Hehuan Shan, Hehuan Shan, WHF, Hehuan Shan, LKXB, LKXB, XiuLin Townshi, XiuLin Townshi, LKXB, XiuLin Townshi, ETM, ETM, Tongmen, Tongmen, WHP, WHP, Taichung City, Taichung City, WHP, Taichung City, NMLH, NMLH, Miaoli, Miaoli, NMLH, Miaoli, TEYL, TEYL, Yanliu Villag, Yanliu Villag, NSY, NSY, NSY, Renai, Renai, OWD, OWD, OWD, Renai, Renai, SHUL, SHUL, SHUL, Shoufeng, Shoufeng, SHUL, Shoufeng, YOJ, YOJ, Yonaguni jima, Yonaguni jima, YOJ, Yonaguni jima, WCS, WCS, Beigang Elemen, Beigang Elemen, WDC, WDC, Dajia District, Dajia District, WARBT, WARBT, Fenglin Townsh, Fenglin Townsh, EGFH, EGFH, Guanggu, Guanggu, WYDWT, WYDWT, WYDWT, Sun Moon Lake, SMLT, SMLT, TYC, TYC, Yuchr, Yuchr, TYC, Yuchr, SSSL, SSSL, Suanglung, Suanglung, SSSL, SSSL, Suanglung, Suanglung, WCHH, WCHH, Zhanghua, Zhanghua, HGSD, HGSD, Ruisui, Ruisui, WNT, WNT, Mingjian, Mingjian, WNT, Mingjian, WWS, WWS, Zhushan, Zhushan, WWS, Zhushan, WHYT, WHYT, Xinyi Township, Xinyi Township, WHYT, Xinyi Township, YULB, YULB, Yu-li, Yu-li, YULB, Yu-li, YULB, Yu-li, TWFI, TWFI, Yuli, Yuli, ALS, ALS, Alishan, Alishan, CHNS, CHNS, Tsauling, Tsauling, WKG, WKG, Gukung, Gukung, WKG, Gukung, WDLH, WDLH, Douliu, Douliu, WDLH, Douliu, FULB, FULB, Fuli, Fuli, WTK, WTK, Tuku, Tuku, IRIF, IRIF, Iriomote-Funau, Iriomote-Funau, IRIF, Iriomote-Funau, EHD, EHD, Haiduan, Haiduan, WCKO, WCKO, Fanlu, Fanlu, ELDTW, ELDTW, Lidau, Lidau, WJPS, WJPS, Chiyay, Chiyay, EDH, EDH, Donghe, Donghe, EDH, Donghe, STYH, STYH, Taoyuan, Taoyuan, WTP, WTP, Ta-pu, Ta-pu, WKS, WKS, Shulin Townsh, Shulin Townsh, WKR, WKR, Kuro-shima, Kuro-shima, CHN1, CHN1, Nanshi, Nanshi, CHN1, Nanshi, ICHU, ICHU, Yijhu, Yijhu, JIJ, JIJ, Ishigaki jima, Ishigaki jima, MATB, MATB, Ma-tsu, Ma-tsu, VVUC, VVUC, WUUC, WUUC, JISG, JISG, Ishigakijimahi, Ishigakijimahi, JISG, Ishigakijimahi, PTMZ, PTMZ, Houxiangcun, Houxiangcun.

GII 30 00:55:05.9, 0.0, 26.837N; 0.003:34.824E, 0.0/0.01,
h1km, MWS2.9, confirmed
HLW 30 00:55:05.8, 26.658N; 35.04E, h27km, 3km, MI2.7
SGS 30 00:55:06.7, 26.758N; 35.06E, h11km, MI2.0
ISC 30 00:55:02.0, 2.8, 26.61N; 0.03:35.05E, 0.04, h10km, n48,
c1938/51, Red Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like NSFG, NSFG, Safaga, Safaga, MWLHS, MWLHS, Almuwayliih, Almuwayliih, DESA, DESA, NADS, NADS, Abo Dabab, Abo Dabab, HIRG, HIRG, Al Ghardaqah, Al Ghardaqah, KRABS, KRABS, KRABS, KRABS, WTKS, WTKS, WTKS, WTKS, RSHS, RSHS, Lidau, Lidau, TR1, TR1, TR1, Tor 1, TR1, TR1, BIDS, BIDS, Bir' al Bayda', Bir' al Bayda', URD06, URD06, Shuwaq, Shuwaq, URD07, URD07, Al Aba, Al Aba, BIAS, BIAS, Al Bada, Al Bada, TAYS, TAYS, Tayyib Ism, Tayyib Ism.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like HKAT, HKAT, Jabal Katrina, Jabal Katrina, TR2, TR2, Tor 2, Tor 2, JLOS, JLOS, Hagol, Hagol, HAGS, HAGS, HAQS, HAQS, Haql, Haql, NEDF, NEDF, New Edfo, New Edfo, JMOS, JMOS, Jabal al Moall, Jabal al Moall, GRB, GRB, Gharib, Gharib, HRDS, HRDS, Abu Rudays, Abu Rudays, HWY, HWY, LNV07, LNV07, LNV12, LNV12, LNV12, LNV12, BRNS, BRNS, Bernies, Bernies, BRNS, BRNS, LNV01, LNV01, LNV01, LNV01, EIL, EIL, Elat, Elat, MBRI, MBRI, Mt Berech, Mt Berech, MBRI, Mt Berech, MBRI, Mt Berech, ASUT, ASUT, Kurkur, Kurkur, HRFI, HRFI, Mount Harif, Mount Harif, HRFI, Mount Harif, KRMI, KRMI, Paran Flat, Paran Flat, KRMI, Paran Flat, KRMI, Paran Flat, PRNI, PRNI, Paran, Paran, PRNI, Paran, PRNI, Paran, ZFRI, ZFRI, ZFRI, ZFRI, ZFRI, ZFRI, ZFRI, ZFRI, ZFRI, ZFRI, ZFRI, ZKIZ, ZKIZ, ZKIZ, ZKIZ, RYAN, RYAN, Fayoum, Fayoum.

IDC 30 01:07:17.1, 9.0, 37.10N; 69.28E, h0km, mbtmp3.3/2,
ML2.9/2, MS3.2/1, Error ellipse: s-maj=343.0km
s-min=28.9km az=144.0
NINC 30 01:07:32.5, 4.4, 36.81N; 70.97E, h168km, 95km, mb2.7,
mp3.7, Error ellipse: s-maj=45.0km s-min=31.8km az=6.0
ISC 30 01:07:20.5, 2.0, 36.1N; 0.2:71.1E, 0.2, h102km, n8,
c1973/7, 4C-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like KK31, KK31, Karatay Array, Karatay Array, KK31, Karatay Array, AAK, AAK, Ala-Abra, Ala-Abra, AAK, Ala-Abra, TKM2, TKM2, Tokmak 2, Tokmak 2, MKAR, MKAR, Makanchi Array, Makanchi Array, AB31, AB31, Akbulak array, Akbulak array, ZALV, ZALV, Zalesovo Beam, Zalesovo Beam, KVAR, KVAR, Kislovodsk Arr, Kislovodsk Arr, TARD, TARD, Torod Ar, Torod Ar.

AEIC 30 01:07:45.5, 0.7, 52.67N; 0.0:08.165W, 0.08, h22km, 9km,
Error ellipse: s-maj=12.6km s-min=4.5km az=153.0
NEIC 30 01:07:43.3, 0.8, 52.69N; 0.07:165.52W, 0.08, h10km, 2km,
ML2.8/1, ML2.7(AEIC), Error ellipse: s-maj=11.8km
s-min=7.9km az=163.0, South of Aleutian Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like UNV, UNV, Unalaska Valle, Unalaska Valle, MNP, MNP, Makushin Rep't, Makushin Rep't, MGOD, MGOD, Makushin Guds, Makushin Guds, MAPS, MAPS, Pakushin South, Pakushin South, MAPS, Pakushin South, ZRO, ZRO, Akutan Zero, Akutan Zero, AKBBA, AKBBA, Akutan Broad B, Akutan Broad B, AKMO, AKMO, Akutan Morgan, Akutan Morgan, AHB, AHB, Akutan Harbor, Akutan Harbor, AKUT, AKUT, Akutan, Akutan, AKUT, Akutan, MTBL, MTBL, Makushin Table, Makushin Table, AKRB, AKRB, Akutan Reef Bi, Akutan Reef Bi, LVA, LVA, Lava Point, Lava Point, LVA, Lava Point, AKGK, AKGK, Akutan Green G, Akutan Green G, OKFG, OKFG, Magazine Ridge, Magazine Ridge, OKTU, OKTU, Okmok Mt. Tuli, Okmok Mt. Tuli, OKNC, OKNC, Okmok New Cone, Okmok New Cone, OKSP, OKSP, Okmok Steeple, Okmok Steeple, NIKH, NIKH, Nikolski High, Nikolski High, NIKH, Nikolski High, NIKH, Nikolski High, SSSL, SSSL, Shishaldin Sou, Shishaldin Sou, ISLZ, ISLZ, Iseanski Laza, Iseanski Laza, ISNIN, ISNIN, Isanotski North, Isanotski North, HAG, HAG, Hagle Volcano, Hagle Volcano, PS1A, PS1A, Pavlov South-1, Pavlov South-1, S12K, S12K, Black Hills, Black Hills, S12K, Black Hills, SDPT, SDPT, Sand Point, Sand Point, CNBA, CNBA, Chernabura Isl, Chernabura Isl, CNBA, Chernabura Isl, OHAK, OHAK, Old Harbor, Old Harbor.

IDC 30 02:05:45.8, 4.5, 40.73S; 86.52W, h0km, mb3.7/4,
mbtmp3.7/5, ML3.4/1, MS3.2/3, Error ellipse:
s-maj=113.5km s-min=36.0km az=14.0, West Chile Rise

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like H03S2, H03S1, H03S3, H03N3, H03N2, H03N1, PLCA, PLCA, CPUP, CPUP, LPAZ, LPAZ, SIV, SIV, BDFB, BDFB, TXAR, TXAR.

0.4nm,0.7s
PDAR Pinedale Array 85.63 343 P P 0.1m 18 25.9 -0.5

IDC 30 02:13:55.1-1.1, 26'.63S:115'.45W, h0km, mb3.8/8,
mtbmp3.8/8, MS4.0/24, Error ellipse: s-maj=41.7km
s-min=24.9km az=45.0

NEIC 30 02:13:57.5-0.8, 26'.72S:0'.08:115'.3W:0.2, h10km, 1km,
mb4.5/27, Error ellipse: s-maj=25.1km s-min=11.1km
az=292.0

GCMT 30 02:13:59.5-0.6, 26'.75S:0'.03:115'.28W:0.03, h14km, 1km,
MV4.8/99, Moment Tensor Solution, s27,c29; s9r,c131;
Duration: 0 Moment tensor; Scale 1016Nm; Ml=2.42z-15;
Mw=1.30z-10; Mw1.12z-10; Mw0.07z-25; Mw-0.94z-06;
Mw-0.2z-29; Best double couple; M2.3020x1016
NP1.7x129.00000; s42.00000; lambda-94.00000; NP2:
o315.00000; s48.00000; lambda-86.00000. Principal axes:
T 2.1640, P1g3.00000, Azm42.00000; N 0.2750,
P1g3.00000, Azm133.00000; P -2.4390, P1g6.00000.
Azm269.00000; nst1 refers to body waves, cutoff=40s.
nst2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

ISC 30 02:13:56.7-0.6, 26.7S:0'.1x115.3W:0'.1, h10km, n72,
o591/41, mb4.4/20, MS4.0/24, Southern East Pacific
Rise

Table with columns: Code, Station Name, Δ, A°, AZI, T, Op, Phase ID, ISC, Time, Res, ISC. Contains seismic event data for stations like H03N2, H03N3, H03N1, etc.

baz=115,slow=78,SNR=6.3
H1N1 WAKE ISLAND Hy 88.35 293 T T 04 04 30.0

Table with columns: Code, Station Name, Δ, A°, AZI, T, Op, Phase ID, ISC, Time, Res, ISC. Contains seismic event data for stations like H1N1, H1N2, H1N3, etc.

Table with columns: WhyH, Whyalla, 12.70 158 P Pn 02 29 50.9 -2.1. Contains seismic event data for stations like WHYH, COEN, SAUI, etc.

30d 2h

Table with columns for location (KDI, GRI, SRVL, etc.), time (25.15 301), and status (P, Pn, LR, IAMB, etc.).

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Table with columns for location (SMRI, SGSI, SGLS, etc.), time (25.15 301), and status (P, Pn, LR, IAMB, etc.).

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Table with columns for location (JHJ, JMN, JMM, etc.), time (54.65 8), and status (LR, P, IAMB, etc.).

30d 3h

Table with columns: STA, Reutte, 126.36 314, epPKIKP, PKIKP, 02 46 00.7 +4.8, POHA, Pohakulua, 0.56 319, Pg, 02 43 32.8 -0.5, PINC, La Casada, 0.96 340, P, Pn, 03 17 45.0 +0.3

NEIC 30 02:43:22.5:1.1, 19.32N, 01:15.155, 146W, 01:00.8, h8km, 1km, Error ellipse: s-maj=1.8km s-min=0.8km az=158.0

HVO 30 02:43:22.4:1.1, 19.33N, 01:15.155, 144W, 0:00.7, h6km, 2km, ML3.0/4.5, ML3.0/4.2(NEIC), Error ellipse: s-maj=1.6km s-min=0.8km az=170.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, KXNH, Kane Nui o Ham, 0.05 332, Op, Pg, 02 43 24.5 +0.5, STCH, Steam Cracks, 0.05 19, IAML, 02 43 28.2

2019 MAY

Table with columns: POHA, Pohakulua, 0.56 319, Pg, 02 43 32.8 -0.5, PINC, La Casada, 0.96 340, P, Pn, 03 17 45.0 +0.3

RSNC 30 02:46:28.1:0.0, 7N, 1:7.3W, 1, h147km, 2km, M2.8, mb3.8, ML2.5, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, BARC, Barichara, 0.19 196, P, Pn, 02 46 47.9 -0.4, BARR, Barrancabermej, 0.64 288, S, S, 02 47 02.7 -1.0

TEH 30 03:02:27.6:35.24N-45.41E, h5km, ISN 30 03:02:28.1:0.8, 35.22N-45.41E, h21km, ML2.6, ISC 30 03:02:27.9:1.0, 35.22N-45.41E, h10km, n12, c138/15, Iran-Iraq border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, KGS1, Ghasr-e-Shirin, 0.73 168, Pg, 03 02 40.0 +0.2, IKRK, Kirkuk, 0.89 282, ePg, 03 02 45.0 -0.5

SSNC 30 03:02:36.3:2.1, 19.45N, 77.95W, h9km, 11km, MD3.2, ML2.9, MW2.9, JSN 30 03:02:36.3:2.1, 19.60N, 77.81W, h39km, 40km, MD3.7, ISC 30 03:02:33.0:2.8, 19.52N, 0:09.78:1W, 0:2, h26km, 16km, n13, c147/23, Cuba region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, PILO, Pilon, 0.76 60, eS, 03 03 28.3 +0.7, PILO, Pilon, 0.76 60, eS, 03 03 27.0 -0.6

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Table with columns: PINC, comp=E, 20nm, 0.0s, IAML, 03 03 44.5, GTBY, Guantnamo Bay, 2.85 81, eP, 03 03 18.5 +1.7

SNET 30 03:17:28.2:0.7, 12.35N, 87.86W, h15km, 711km, ML2.5, CATA3 30 03:17:27.4:0.6, 12.24N, 87.86W, h35km, 4km, ML2.9/13, ML2.9/13, Error ellipse: s-maj=10.1km s-min=3.3km az=3.8, confirmed, Near east of Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, CRIN, San Cristobal, 0.58 57, P, Pn, 03 17 40.6 +1.3, CRIN, San Cristobal, 0.58 57, P, Pn, 03 17 51.3 +3.8

CATA3 30 03:21:11.8:0.3, 12.21N, 87.86W, h26km, M4.0/27, ML4.0/27, Error ellipse: s-maj=5.4km s-min=2.0km az=30.2, confirmed

GCG 30 03:21:12.2:0.7, 12.49N, 88.51W, h0km, 17km, MD4.4, SNET 30 03:21:13.0:2.8, 12.57N, 88.15W, h16km, ML3.8, UCR 30 03:21:13.6:1.2, 12.67N, 87.96W, h81km, 27km, MW4.1, ISC 30 03:21:12.1:1.4, 12.49N, 0:04.88:18W, 0:03, h24km, 14km, n114, c1806/130, 1D, Off coast of central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, CSGN, Cosiguina Volc, 0.77 51, Op, Pn, 03 21 27.2 -0.4, CSGN, Cosiguina Volc, 0.77 51, P, Pn, 03 21 27.2 -0.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JAYA, APQZ, TSN, UNAN, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WARB, ETHL, LXIB, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like HOPE, VNA1, VNA3, etc.

OSPL 30 03:22:58.2,0.5, 19.00N,70.35W, h102km,12km, ML1.6

ISC 30 03:22:58.1,2, 18.91N,0.08,70.35W,0.04, h93km,14km, n12, <0.079/21,3D, Dominican Republic region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ABRD, DR08, BANI, etc.

TAP 30 03:32:53.8, 23.81N, 122.89E, h48km, ML3.1, D

JMA 30 03:32:53.6, 0.1, 23.81N, 0.1, 122.89E, 0.4, h44km, MV2.6/14, NEAR ISHIGAKI/JIMA ISLAND

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like E0S4, JYNG, Y0J, etc.

OSPL 30 03:33:11.1, 24.44N, 121.84E, h27km, ML1.8, 1C, D

ISC 30 03:33:11.1, 24.44N, 121.84E, h27km, ML1.8, 1C, D

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WUTW, ENA, ESHA, etc.

TAP 30 03:34:38.9, 1.1, 57.66S, 24.57W, h0km, mb4.0/2, mbmp4.2/3, ML4.5/1, MS3.4/9, Error ellipse: s-maj=61.2km

NEIC 30 03:34:40.8, 1.7, 58.2S, 0.1, 24.8W, 0.2, h10km, 1km, mb4.6/17, Error ellipse: s-maj=20.7km s-min=13.5km

ISC 30 03:34:40.7, 0.5, 58.11S, 0.08, 24.73W, 0.09, h10km, n56, c=158/47, mb4.5/11, MS3.5/8, 4D, South Sandwich

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WUTW, ENA, ESHA, etc.

VAO 30 03:34:52.9, 0.6, 23.38S, 68.74W, h62km, 4km, mb5.1

MOS 30 03:34:53.1, 1.4, 23.44S, 68.76W, h72km, mb5.1/16, Error ellipse: s-maj=14.1km s-min=6.6km az=97.2

SJA 30 03:34:55.4, 0.7, 23.41S, 68.84W, h101km, 4km, ML4.9, MV4.7

NEIC 30 03:34:55.4, 23.50S, 68.79W, h75km

NEIC 30 03:34:56.8, 1.6, 23.43S, 0.04, 68.87W, 0.05, h98km, 3km, mb4.8/25, Mwr4.9/41, Mwr5.0(GUC), Error ellipse: s-maj=6.8km s-min=5.8km az=140.0, Moment Tensor Solution, Moment tensor: Scale 10^16Nm; Mr=2.06; Ms=0.14; Mm=1.92; Ml=0.55; Mv=0.55; Mr=1.75; Fault plane solution: M2.8400x10^16; P1=338.83000; P2=66.79000; N1=95.89000; N2=171.49000; N3=23.91000; N4=176.55000; Principal axes: T 2.8319, P 2.8319, N 2.8319; Azm338.8400x10^16; Azm338.8400x10^16; Azm338.8400x10^16; Azm338.8400x10^16; Azm338.8400x10^16; Azm338.8400x10^16; Azm338.8400x10^16; Azm338.8400x10^16; Azm338.8400x10^16; Azm338.8400x10^16

GUC 30 03:34:56.0, 0.7, 23.46S, 68.87W, h104km, 4km, ML5.0

IDC 30 03:34:57.0, 2.0, 23.35S, 68.61W, h98km, 3km, mb4.4/15, mbmp4.6/18, MS3.6/21, Error ellipse: s-maj=16.5km s-min=10.2km az=67.0

GCMT 30 03:34:58.0, 2.3, 30S, 0.02, 68.76W, 0.03, h90km, 3km, MV5.0/99, Moment Tensor Solution, s32, c36, s99, c131; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=2.69; Ms=0.99; Ml=1.31; M2=1.22; M3=2.82; M4=1.14; M5=0.33; M6=1.78; M7=0.99; M8=1.44; M9=1.01; Best double couple: M3.38400x10^16; NP1=149.00000; N2=835.00000; N3=99.00000; N4=99.00000; N5=340.00000; N6=855.00000; N7=84.00000; N8=0.00000; N9=0.00000; N10=0.00000; N11=0.00000; N12=0.00000; N13=0.00000; N14=0.00000; N15=0.00000; N16=0.00000; N17=0.00000; N18=0.00000; N19=0.00000; N20=0.00000; N21=0.00000; N22=0.00000; N23=0.00000; N24=0.00000; N25=0.00000; N26=0.00000; N27=0.00000; N28=0.00000; N29=0.00000; N30=0.00000; N31=0.00000; N32=0.00000; N33=0.00000; N34=0.00000; N35=0.00000; N36=0.00000; N37=0.00000; N38=0.00000; N39=0.00000; N40=0.00000; N41=0.00000; N42=0.00000; N43=0.00000; N44=0.00000; N45=0.00000; N46=0.00000; N47=0.00000; N48=0.00000; N49=0.00000; N50=0.00000; N51=0.00000; N52=0.00000; N53=0.00000; N54=0.00000; N55=0.00000; N56=0.00000; N57=0.00000; N58=0.00000; N59=0.00000; N60=0.00000; N61=0.00000; N62=0.00000; N63=0.00000; N64=0.00000; N65=0.00000; N66=0.00000; N67=0.00000; N68=0.00000; N69=0.00000; N70=0.00000; N71=0.00000; N72=0.00000; N73=0.00000; N74=0.00000; N75=0.00000; N76=0.00000; N77=0.00000; N78=0.00000; N79=0.00000; N80=0.00000; N81=0.00000; N82=0.00000; N83=0.00000; N84=0.00000; N85=0.00000; N86=0.00000; N87=0.00000; N88=0.00000; N89=0.00000; N90=0.00000; N91=0.00000; N92=0.00000; N93=0.00000; N94=0.00000; N95=0.00000; N96=0.00000; N97=0.00000; N98=0.00000; N99=0.00000; N100=0.00000

ISC 30 03:34:56.2, 0.3, 23.43S, 0.03, 68.80W, 0.03, h97km, 2km, h97km; PP-P, n409, c168/377, mb4.8/129, 67B, Northern Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like AF01, AF02, AF03, etc.

30d 3h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like IPOC Station P, Mina Guanaco, and various local stations.

2019 MAY

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CPUP, CUPU, and various international stations.

1640

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SNAE, TKL, and various international stations.

Table with columns: DBIC, comp-Z, 19nm, 0.9s, baz=237, slow=5.5, SNR=11, LR, LR, 04 15 38.6, etc. Includes stations like Dimbokro, Buck Lake, Nuku Hiva Isla, etc.

Table with columns: TSUM, Tsumeb, 79.40 106, P, Iamb, P, Iamb, 03 46 52.7 +0.4, etc. Includes stations like Oroville, Eagleton, Kule, etc.

Table with columns: BNX, BinXian, 154.15 333, P, Pmax, PKPdf, pmax, 03 54 37.9 -0.4, etc. Includes stations like Songino Array, Korea Array, etc.

Table with columns: IDC 30 03:38:06.9, 5.8, 2.1, 965x179.92E, h608km, 47km, mb2.9/5, etc. Includes stations like Nonsavu, DZM, ASAR, etc.

Table with columns: AUST 30 03:40:16.1, 0.3, 21.5, 2x13.52x13.52, h10km, mb3.6/2, etc. Includes stations like Warramunga Ar., Warramunga Arr, etc.

Table with columns: NIED 30 03:46:27.5, 37.42N-141.93E, h35km, MW3.4, Moment Tensor Solution, etc. Includes stations like Warramunga Ar., Warramunga Arr, etc.

Table with columns: WEL 30 03:47:57.4, 1.5, 3.4, 18x17.9W, 2.5, h191km, 58km, etc. Includes stations like Matakaoa Point, Waiomatatini S, etc.

30d 4h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CNBA Chernabura Isl, ISLN Isanotski Laza, etc.

RSNC 30 04:08:30.1±0.0, 7°N, 173°W, h149km, M3.2, mb3.6, mb5.3, ML2.9, Mw(mb)4.8, Northern Colombia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BARC Barichara, BRJC Barrancabermej, etc.

30d 04:16:42.4±18.0, 29.28N, 81.30E, h0km, mb3.7/2, mbtmp3.5/3, ML3.5/1, MS3.4/1, Error ellipse: s-maj=307.6km s-min=92.9km az=32.0

DMN 30 04:16:46.6±0.0, 29.64N, 81.43E, h30km, M4.6/6, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 30 04:16:46.5±1.5, 29.52N, 80.09-81.9E, 0.1, h10km, n24, n171/41, Nepal

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PYUN Piuthan, FLOC Florencia, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like DMN Daman, KKN Kakani, etc.

ISC 30 04:32:11.3±0.0, 7.54°86N, 164.57E, h0km, mb3.7/13, mbtmp3.7/15, ML3.3/2, MS3.2/6, Error ellipse: s-maj=24.2km s-min=14.6km az=164.0

KRSC 30 04:32:12.4±1.4, 54.81N, 164.67E, h41km, M2.8km, Cc3.8, M4.3

MOS 30 04:32:14.2±1.0, 54.87N, 164.77E, h34km, mb4.0/1, Error ellipse: s-maj=7.1km s-min=6.5km az=161.4

ISC 30 04:32:13.6±1.8, 54.86N, 164.73E, 0.05, h17km, 12km, n4, n1840/117, mb3.7/13, MS3.5/4, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, etc.

1642

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PETK Petropavlovsk, MTRV Murovka, etc.

ISC 30 04:33:19.4±0.8, 0.21N, 120.09E, h0km, mb4.1/9, mbtmp4.0/11, ML3.5/2, MS3.2/4, Error ellipse: s-maj=45.4km s-min=17.8km az=67.0

DJA 30 04:33:23.6±0.3, 0°N, 2°12'0E, h10km, M4.4/14, mb4.4/4, MLV4.4/14

ISC 30 04:33:25.2±0.7, 0.15N, 0.05-119.67E, 0.05, h41km, n29, d75/3/0, mb2.4/10, MS3.0/3, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Code Station Name, APMSI Mapaga, etc.

AEIC 30 04:54:37.6±0.9, 52°0N, 0°1, 174.27W, 0.09, h70km, 6km, Error ellipse: s-maj=22.2km s-min=2.3km az=160.0

NEIC 30 04:54:38.5±1.1, 52.2N, 0.2-174.3W, 0.1, h71km, 5km, mb3.7/13, ML3.7/10, ML3.3(AEIC), Error ellipse: s-maj=25.0km s-min=8.5km az=162.0, Andranof Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ATKA Atka Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res h, m s, ISC. Includes entries like GSTR Great Sitkin T, ADAC Adak, ADK Adak, KIBW Kanaga Island, etc.

Table with columns: PEAOB, PEAOB, PETK, ASAK, KDRTR, etc. Includes entries like ASAK Ashoka, KDRTR Khodutka, ASAJ Asahikawa, etc.

Table with columns: FINES, CMAR, NOA, HNR, TXAR, etc. Includes entries like FINES FINESS Arr, CMAR Chiang Mai Arr, NOA NORSAR Array B, etc.

ASRS 30 05:20:07.0.0.7.54:112N:87.19E, h30km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-RUN, 2021

IDC 30 05:20:08.0.3.6.54:17N:87.44E, h0km, mbtmp2.8/k, ML2.5/2, Error ellipse: s-maj=31.3km s-min=19.7km az=49.0, Southwestern Siberia

Code Station Name Az' Az'' Phase ID Time Res h m s ISC. Includes entries like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

BUJ 30 05:22:12.4.0.36:29N:70.79E, h110km, mb4.3/5, mb4.5/11 MOS 30 05:22:12.4.0.9.36:07N:71.03E, h102km, mb4.1/10, Error ellipse: s-maj=9.7km s-min=5.0km az=84.3

IDC 30 05:22:13.3.2.9.36:02N:71.02E, h97km, mb5.25km, mb3.8/18, mbtmp4.2/23, MS2.1/1, Error ellipse: s-maj=16.7km s-min=12.9km az=5.0

NNC 30 05:22:13.0.2.8.36:46N:70.71E, h0km, mb4.8, mpv4.7, Error ellipse: s-maj=25.4km s-min=20.4km az=127.0

NEIC 30 05:22:13.3.1.1.36:05N:0.04K:70.87E:0.06, h109km, 11km, mb4.3/10, Error ellipse: s-maj=8.6km s-min=3.4km az=46.0

ISC 30 05:22:13.6.0.4.36:05N:0.04K:71.04E:0.05, h102km, n119, az=29.14D, mb4.1/27, TC-6D, Afghanistan-Tajikistan border region

Code Station Name Az' Az'' Phase ID Time Res h m s ISC. Includes entries like KBL Kabul, KDRTR Kurchatov, etc.

30d 6h

Table of station data for 30d 6h period. Columns include station name, coordinates, and various parameters like SNR, elevation, and status.

2019 MAY

Main table of station data for 2019 MAY. Columns include station name, coordinates, and various parameters like SNR, elevation, and status.

1644

Table of station data for 1644 period. Columns include station name, coordinates, and various parameters like SNR, elevation, and status.

0s32.0000°, 676.0000°, λ-32.0000°.
JMA 30.06:19:54.0.2.36°9N.0°5:14:3E.1°10, h43km, 1km,
MV3/83/5, E OFF FUKUSHIMA PREF

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, s, ISC. Contains data for stations like ONAJ, JFJK, JHJO, JOTO, JMM, etc.

IDC 30.06:23:04.4.3.1, 18°42'N, 145°42'E, h454km, 36km,
mb3/4/16, mbmtp4.2/17, Error ellipse: s-maj=19.8km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, s, ISC. Contains data for stations like GJGF, MJAR, MAJO, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, s, ISC. Contains data for stations like N15K, L16K, ZALV, etc.

MOS 30.06:44:02.5.1.0, 36°49'N, 71°10'E, h218km, mb4.0/17, Error ellipse: s-maj=9.6km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, s, ISC. Contains data for stations like GARM, KBL, KBL, etc.

ISG 30.06:44:02.5.0.4, 36.55°N, 0°04:71'21E, h200km, m172,
a196°192, mb4.1/53, 13C-1Z, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, s, ISC. Contains data for stations like GARM, KBL, KBL, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, s, ISC. Contains data for stations like KK31, KK31, KKAR, etc.

ISG 30.06:44:02.5.0.4, 36.55°N, 0°04:71'21E, h200km, m172,
a196°192, mb4.1/53, 13C-1Z, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, s, ISC. Contains data for stations like BANOH, SHME, AKTO, etc.

30k 7h

Table of station data for 30k 7h, including columns for call sign, name, frequency, power, and other parameters.

2019 MAY

Main table of station data for 2019 MAY, including columns for call sign, name, frequency, power, and other parameters.

1646

Table of station data for 1646, including columns for call sign, name, frequency, power, and other parameters.

Table of seismic data for stations SHUL, NACB, TWC, etc. including columns for station name, phase ID, time, and resonance.

TRN 30 08:38:36.8, 15.08N-60.42W, h29km, MD3.9, North-east of Martinique, Leeward Islands

Table of seismic data for stations ILAM, SVN, DPLP, etc. including columns for station name, phase ID, time, and resonance.

TAP 30 08:39:13.9, 24.15N-121.62E, h4km, MLO.8, 1C, C, Taiwan

Table of seismic data for stations ETL, NACB, TWD, etc. including columns for station name, phase ID, time, and resonance.

JMA 30 08:39:27.3-0.1, 24.1N-122.8E, h36km, MV2.4/9, NW OFF ISHIGAKIJIMA IS, Taiwan region

Table of seismic data for stations JYNG, YOUNG, YOJ, etc. including columns for station name, phase ID, time, and resonance.

IRIF Iriomote-Funau 0.89 72 P Sn 08 39 43.3 +0.1

Table of seismic data for stations HATJ, JKRS, JKSJ, etc. including columns for station name, phase ID, time, and resonance.

DJA 30 08:41:49.3-0.5, 4.5S-4.127E, h10km, M3.9/7, mB6.5/1, mB4.7/3, MLV3.5/7, Mw(m)6.3/1, Seram

Table of seismic data for stations NLAI, AAI, MSAI, etc. including columns for station name, phase ID, time, and resonance.

CATAC 30 08:53:27.7-0.7, 14.7N-3.9W, h1km, M3.3/7, MLV3.3/7, Error ellipse: s-maj=9.2km s-min=5.6km az=60.1, Confirmed

MEX 30 08:53:27.3-0.8, 13.79N-92.74W, h10km, MD4.0

ISC 30 08:53:25.8, 5.13N-86.09E, 92.55W, h15km, 24km, n18, c1807/28, Off coast of Chiapas

Table of seismic data for stations RTAL, THAL, PAVE, etc. including columns for station name, phase ID, time, and resonance.

NNC 30 08:57:46.1-6.3, 38.81N-68.53E, h0km, mb3.5, mpv3.1, 1C-1D, Error ellipse: s-maj=42.2km s-min=35.5km

Table of seismic data for stations IUG, BRLS, KK31, etc. including columns for station name, phase ID, time, and resonance.

VKMS 30 09:00:05.0, 52.32N-35.43E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDG 30 09:00:09.0, 52.30N-35.42E, h0km, M3.0, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 30 09:00:08.7-3.2, 52.33N-35.22E, h0km, mbmp3.3/4, M2.8/4, Error ellipse: s-maj=46.9km s-min=12.1km

az=128.0, Baltic States-Belarus-Northwestern Russia

Table of seismic data for stations OBIN, OBIN, AKASG, etc. including columns for station name, phase ID, time, and resonance.

FINES FINES Array B 10.40 335 Pn Pn 09 02 34.4 -4.6

I26E FRELUNG INFRASIA 10.9 264 I I 10 26 45.0

ARCES ARCES Array B 17.85 349 Pn Pn 09 04 16.6 -1.6

IDC 30 09:03:29.8-0.3, 13.45N-88.92W, h51km, 2km, mb5.4/26, mbmp5.7/27, MS6.3/65, Error ellipse: s-maj=13.3km

s-min=9.0km az=62.0

CATAC 30 09:03:29.3-0.3, 13.2N-89.9W, h27km, 2km, M6.7/54, MLV6.7/54, Error ellipse: s-maj=3.9km s-min=1.7km

az=29.4, confirmed

GCG 30 09:03:30.3-1.1, 13.04N-89.52W, h42km, 28km, MD4.9, ML6.3

BGR 30 09:03:31.4, 13.26N-87.40W, h33km, mb5.9, mB. BB.6, MS6.4

λ-88.77000°. Principal axes: T 9.1697, Plg27.0000°

Azm36.0000°; N -0.6526, Plg1.0000°, Azm126.0000°; P -8.5170, Plg63.0000°, Azm218.0000°

IPGP 30 09:03:32.0, 13.24N-89.27W, h22km, Mw6.7, Fault plane solution: NP1:φ82.0000°, δ18.0000°, λ-138.0000°

NP2:φ312.0000°, δ78.0000°, λ-76.0000°

BUJ 30 09:03:32.1, 13.26N-89.29W, h80km, mb6.0/41, Ms7.0/87, Ms77.0/81

GCMT 30 09:03:33.1-0.0, 13.07N-89.55W, h46km, Mw6.6/170, Moment Tensor Solution. s170.c448; s170.c767; Duration: 468

Moment tensor. Scale: 10^19Nm; Moment tensor: Scale: 10^19Nm; Mw=0.70; 0.0; Mw=0.70; 0.0; Mw=0.70; 0.0; Mw=0.70; 0.0; Mw=0.70; 0.0

Mw=0.25; 0.0; Mw=0.53; 0.0; Best double couple; Mw=0.98100x10^19 NP1:φ77.0000°, δ30.0000°, λ-139.0000°

NP2:φ310.0000°, δ71.0000°, λ-76.00000°; λ-66.00000°. Principal axes: T 1.0120, Plg22.0000°, Azm122.0000°; N -0.0610, Plg23.0000°, Azm122.0000°; P -0.9500, Plg58.0000°, Azm253.0000°; nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

OSUNB 30 09:03:33.7-0.3, 13.43N-88.98W, h90km, 2km, mb5.9/73

09:03:33.7-0.3, 13.43N-88.98W, h90km, 2km, mb5.9/73

Error ellipse: s-maj=2.5km s-min=2.6km az=0.0

MOS 30 09:03:34.4, 1.2, 13.38N-89.04W, h101km, 6km/0/59, MS6.4/15, Error ellipse: s-maj=6.6km s-min=4.7km

az=91.5

ISC 30 09:03:29.9-0.2, 13.21N-102.89E, 92.72W, h61km, 1km, h61km, PP-P, n2571, c232/2992, mb6.1/580, 161C-146D, El Salvador

Large table of seismic data for stations LALI, LALI, PANCS, etc. including columns for station name, phase ID, time, and resonance.

ESSG Sabana Grande 1.91 308I ep Pn 09 03 59.7 -0.6

Table with columns: Call Sign, Name, Frequency, Mode, and other details. Includes stations like STGB, QUEN, HERN, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other details. Includes stations like PALZ, MTEVE, ARE1, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other details. Includes stations like LMGC, PAVY, CHIV, etc.

Table with columns: Station, Frequency, Power, Direction, Status, Time, and other details. Includes stations like Grand Turk, Puerto Leguiza, Santo Domingo, etc.

Table with columns: Station, Frequency, Power, Direction, Status, Time, and other details. Includes stations like WMOK Wichita Mounta, WMOK Wichita Mounta, W57A Gilead, etc.

Table with columns: Station, Frequency, Power, Direction, Status, Time, and other details. Includes stations like O52A Adamsville, MPOM Morne Pois Mar, MCWV Mont Chateau, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PFO Pinyon Flats O, P18A Preston Miller, J57A Williamstown, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NVAR, NVAR, NVAR, NVAR, LHV Little Huntoon, LPAZ La Paz, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PDRB UHE Belo Monte, BMO1 Klamath Falls, L04D Klamath Falls, etc.

Table with columns: station name, coordinates, elevation, frequency, and signal strength (eP, pP, sP, etc.).

Table with columns: station name, coordinates, elevation, frequency, and signal strength (eP, pP, sP, etc.).

Table with columns: station name, coordinates, elevation, frequency, and signal strength (eP, pP, sP, etc.).

30d 9h

2019 MAY

Table with columns: Station Name, Frequency, Band, Class, Date/Time, Azimuth, Elevation, SNR, Signal Strength, and other parameters.

Table with columns: Station Name, Frequency, Band, Class, Date/Time, Azimuth, Elevation, SNR, Signal Strength, and other parameters.

Table with columns: Station Name, Frequency, Band, Class, Date/Time, Azimuth, Elevation, SNR, Signal Strength, and other parameters.

30d 9h

2019 MAY

1656

Table of station data for the 30-day 9-hour period, including station ID, name, coordinates, and performance metrics.

Table of station data for the 2019 May period, including station ID, name, coordinates, and performance metrics.

Table of station data for the 1656 period, including station ID, name, coordinates, and performance metrics.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like IDGL Inch Island, C, JMJC Jan Mayen, PFTV Vila Bisbo, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like PMRV, KPL Plockton, EGRO El Granado, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like MDT, UCM, KBS Kingsbay, etc.

Table with columns for station name, frequency, power, and various signal quality metrics. Includes stations like Kiev, Malin Array Be, and various SNAAs.

Table with columns for station name, frequency, power, and various signal quality metrics. Includes stations like VORR Voronezh, VSR Storozhevo, and various SNAAs.

Table with columns for station name, frequency, power, and various signal quality metrics. Includes stations like BNX, AKT Akhty, ZALV Zalesovo Beam, and various SNAAs.

1661 2019 MAY 30d 9h

Table with columns for station name, coordinates, elevation, and various performance metrics. Includes stations like NAKATSUE, GUMU, DL2, BRLS, KARATAY, etc.

Table with columns for station name, coordinates, elevation, and various performance metrics. Includes stations like HNS, TIA, CASY, KMB, KSH, JOW, etc.

Table with columns for station name, coordinates, elevation, and various performance metrics. Includes stations like STKA, WHN, HTT, DHRM, SSSL, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like LFU, CEDA, LBR, SNVI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like BOAV, BOAV, TRCB, SNDB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like H03N2, H03N3, PDRB, MACA, etc.

IDC 30 09:20:34.5:0.7, 15:05S:75.75W, h0km, mb4.0/10, mbmp3.9/11, ML4.0/4.5, Error ellipse: s-maj=31.9km

NEIC 30 09:20:36.4:2.0, 15:22S:09.763W, 0.0/9, h10km, 1km, mb4.8/23, Error ellipse: s-maj=19.6km s-min=8.0km

VAO 30 09:20:44.3:1.8, 14:95S:75.08W, h32km, 12km, mb4.6

ISC 30 09:20:38.6:0.5, 15:11S:06.753W, 0.0/9, h28km, n93, s=139/80, mb4.6/21, 1C, Near coast of Peru

IDC 30 09:36:41.5:0.8, 15:15S:75.81W, h0km, mb3.9/7, mbmp3.9/11, ML4.0/4, Error ellipse: s-maj=29.0km

NEIC 30 09:36:46.6:2.0, 15:03S:0.08:7.6W:0.1, h35km, 2km, mb4.7/7, Error ellipse: s-maj=19.9km s-min=11.0km

VAO 20 09:36:48.8:1.1, 14:91S:75.47W, h54km, 8km, mb4.4

ISC 30 09:36:45.2:0.6, 15:10S:06.7571W, 0.0/7, h28km, n75, s=157/74, mb4.1/6, Near coast of Peru

CATAC 30 09:37:02.5:0.3, 13°N, 2°E, h34km, 3km, M4, 3/43, MLV4, 3/43, Error ellipse: s-maj=5.2km s-min=2.6km

SNET 30 09:37:02.0:1.0, 13°08N:89°50W, h47km, 11km, ML4, GCG 30 09:37:03.5:0.8, 13°21N:89°50W, h56km, 9km, MD3.8

UCR 30 09:37:03.4:0.9, 13°69N:89°01W, h132km, 56km, MW3.8

ISC 30 09:37:03.8:1.2, 13°12N:0.04:89°43W, 0.0/3, h33km, 7km, n153, s=123/171, 15C-2D, El Salvador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like NNA, PB18, LPAZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like NNA, PB11, NNA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like LALI, LALI, LALI, etc.

30SD 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like POSS, PQSS, PACA, etc.

SNET 30 09:40:19.81.6, 13°06'N-89°51'W, h39km, 35km, ML4.6
CATAC 30 09:40:19.1.0.4, 13°N.2°9'0W, h29km, 2km, M4.3/27,
MLV4.3/27, Error ellipse: s-maj=5.4km s-min=2.9km
az=31.9, confirmed

GCG 30 09:40:20.91.1.0, 13°14'N-89°59'W, h34km, 5km, MD3.8
UCR 30 09:40:22.3.1.2, 13°18'N-89°18'W, h8km, 22km, MW3.8
ISC 30 09:40:20.91.3, 13°10'N-0°04'89'48W, 0.03, h35km, 4km,
n121, 01900/135, 8C, El Salvador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like LALI, LALI, LALI, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like UESV, UESV, UESV, etc.

UPA 30 09:50:42.5.1.2, 9°62'N-83°77'W, h10km, 50km, MW3.4
CATAC 30 09:50:43.1.0.3, 9°N.3°8'4W, h47km, 4km, M3.3/10,
MLV3.3/10, 2C, Error ellipse: s-maj=8.1km s-min=3.5km
az=45.6, confirmed, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like LCR2, LCR2, OCHAL, etc.

SOME 30 10:02:31.1, 44°56'N-82°13'E, h25km
NNC 30 10:02:33.1, 5.44°69'N-81°88'E, h0km, mb3.7, mpv3.5,
Error ellipse: s-maj=14.2km s-min=7.9km az=131.0,
Suspected Mining explosion.

ISC 30 10:02:29.6.1.5, 44°65'N-0°06'82'12E, 0.08, h0km, n19,
0°68/29, 3C, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like DJR, DJR, DJR, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like PDGK, PDGK, SHLS, etc.

CATAC 30 10:10:48.4.0.6, 13°N.3°9'0W, h27km, 3km, M3.6/13,
MLV3.6/13, Error ellipse: s-maj=7.8km s-min=4.4km

SNET 30 10:10:50.0.1.0, 13°09'N-89°47'W, h42km, 10km, ML3.7
GCG 30 10:10:50.2.0.5, 13°14'N-89°58'W, h41km, 14km, MD3.4
ISC 30 10:10:48.7.2.4, 13°0N.1°89'52W, 0.06, h31km, 11km,
n58, 045/63, 2C-4D, El Salvador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like LALI, LALI, LALI, etc.

NOU 30 10:13:05.5, 24°49'S-179°18'W, h364km, mb4.3/11, South
of Fiji Islands
IDD 30 10:13:06.2.2.7, 24°51'S-179°54'W, h374km, 45km, mb2.8/4,
mbtm3.9/6, Error ellipse: s-maj=56.4km s-min=25.0km
az=51.0

ISC 30 10:13:04.6.0.8, 24°55'S-0°07'179°2'W, 0.1, h350km, n17,
0°143/18, mb2.9/4, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like LKBA, MSFV, MSFV, etc.

0.4nm,0.7s,baz=19,slow=10,SNR=2.3
GSPA South Pole Qui 65.54 180 P
0.7nm,0.8s,baz=51,slow=6.5,SNR=1.5
0.7nm,0.8s

CATAC 30 10:16:02.1±0.4, 13°N,2°8'9W, h29km,2km, M3.9/27,
MLV3.9/27, Error ellipse: s-maj=5.6km s-min=2.9km
az=31.3, confirmed

GCG 30 10:16:02.2±0.7, 13°06N:89°60W, h31km,22km, MD3.8
SNET 30 10:16:03.0±0.9, 13°08N:89°47W, h45km, ML3.7
ISC 30 10:16:03.0±1.6, 13.05N:10.06:89.47W, h30km,11km,
n104,0f62/115,El Salvador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their characteristics.

CATAC 30 10:21:17.4±0.4, 13°N,2°8'9W, h25km,2km, M4.8/29,
MLV4.8/29, Error ellipse: s-maj=5.2km s-min=2.7km
az=28.0, confirmed

SNET 30 10:21:18.3±0.8, 13°06N:89°47W, h37km, ML4.7
GCG 30 10:21:19.3±1.1, 13°12N:89°54W, h34km,7km, MD4.4
IDC 30 10:21:19.3±1.8, 13°34N:89°11W, h63km,16km, mb3.7/8,
mbmp4.0/11, Error ellipse: s-maj=31.0km s-min=12.6km
az=48.0

NEIC 30 10:21:20.3±1.6, 13°14N:07°89'35W, h07, h25km,14km,
mb4.2/63, Error ellipse: s-maj=11.8km s-min=8.0km
az=46.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their characteristics.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their characteristics.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their characteristics.

Table with columns: UTEC, Universidad Te, 0.66, 21, P, Pn, 11 07 15.8 +0.5, etc. Lists various stations and their coordinates.

2019 MAY

Table with columns: H03N2, Juan Fernandez, 47.34, 168, T, T, 12 06 14.2, etc. Lists stations in the Dominican Republic region.

Table with columns: ALUC, comp=N, 400nm, 0.5s, i, AML, AML, 11 27 58.0, etc. Lists stations in the El Salvador region.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CEVE Cerro Verde, COEG Centro de Oper, LBRIS Las Brisas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include STGB El Palmar, Qui, STGB, CATAL 30 12:02:11.4, 0.4, 1.3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include OBFO comp=Z,6.4nm,0.2s, SUF Sumiainen, TOF Tornio, etc.

CATAL 30 11:52:10.8, 0.5, 1.3, N12.9, 9.0W, h25km, 2km, M4, 1/25, MLV4, 1/25, Error ellipse: s-maj=5.7km s-min=3.0km az=27.5, confirmed

SNET 30 11:52:11.7, 1.6, 1.3, N10N, 89.51W, h36km, ML3.9 GCG 30 11:52:12.6, 1.0, 1.3, N16N, 89.61W, h34km, 6km, MD4.1

CATAL 30 12:02:11.4, 0.4, 1.3, N13.3, 8.9W, h30km, 2km, M4, 0/25, MLV4, 0/25, Error ellipse: s-maj=6.0km s-min=3.0km az=26.5, confirmed

SNET 30 12:02:11.6, 1.1, 1.3, N08N, 89.47W, h42km, ML3.9 GCG 30 12:02:12.1, 1.0, 1.3, N12N, 89.55W, h46km, 12km, MD4.1

NEIC 30 12:09:20.7, 1.5, 1.5, N15S, 0.07, 7.5W, 0.09, h29km, 10km, mb4.2/10, Error ellipse: s-maj=13.3km s-min=9.2km az=73.0

ICD 30 12:09:24.6, 2.0, 1.4, 99S, 73.60W, h58km, 19km, mb3.6/10, mbtmp4.0/14, ML4.2/4, Error ellipse: s-maj=31.1km s-min=10.9km az=60.0

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include LALI Alcaldia de L, LALI Alcaldia de L, LALI Alcaldia de L, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CEDA San Andres, LFU La Fuente, COEG Centro de Oper, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include NNA Nana, NNA Nana, NNA Nana, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PDAR Pinedale Array, ULM Lac du Bonnet, SNAA Sanae, QSPA South Pole Qui, VVDA Vanda, YKA Yellowknife Ar, H11N3 WAKE ISLAND Hy250.0284, H11N2 WAKE ISLAND Hy250.151284, H11N1 WAKE ISLAND Hy250.151284, H11S2 WAKE ISLAND Hy250.525283, H11S1 WAKE ISLAND Hy250.525283, H11S3 WAKE ISLAND Hy250.525283, ASAR Alice Springs, WRA Warramunga Arr, ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array, SONMI Songoing Array.

NNC 30 12:40:36.6:30.0,37.13N:70.93E,h228km,99gkm,mb2.7, mpv3.9,3C-2D,Error ellipse: s-maj=642.1km s-min=90.7km az=179.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KK31 Karatay Array, AAK Ala-Archa, TKM2 Tokmak 2, IDC 30 12:51:40.6:1.4,7.22S:154.99E,h0km,mb3.8/8, mbtmp3.7/8,MS3.2/2,Error ellipse: s-maj=49.8km s-min=24.9km az=137.0, ISC 30 12:51:45.9:1.3,7.35S:0.3:155.0E:0.2,h35km,n9,c0f75/8, mb3.7/8, Bougainville-Solomon Islands region.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, SONMI Songoing Array, MKAR Makanchi Array, ILAR Eielson Array, NVAR Mina Array Bea, YKA Yellowknife Ar.

SDD 30 13:01:11.5:2.3,19.16N:69.23W,h18km,10km,MD3.5, ML3.2,MW3.5 OSPL 30 13:01:13.8:2.6,19.03N:69.26W,h0km,19km,ML3.0, ISC 30 13:01:10.4:0.9,19.14N:0.02:69.24W:0.02,h16km,7km,n50,c1914/93,2D,Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SMDR Samana, MIDR Miches, HATOM Hato Mayor del, NADR Nagua, LONA1 LONA1, HIDR Higüey Centro, DR08 Loma La Naviza, CADR Cabrera, SDD Santo Domingo, LOSC1 San Cristbal, BANI BANI.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BANI BANI, ABDR Alto Bandera, SC01 Santiago de lo, LUDR Luperon, MADR Mao Valverde, SDDR Presa de Saban, SDDR Presa de Saban, REDR Restauracion, AGPR Aguadilla, PODR Polo, PRSN Puerto Rico Se, LODU1 EI Espartillar, CRPR Cabo Rojo, CRPR Cabo Rojo, CRPR Cabo Rojo, MLPR Magueyes Islan, MLPR Magueyes Islan, MCDR Montecristi, LOVI EI Cajuil, OVI, AOPR Arecibo Observ, AOPR Arecibo Observ, JIDR Jimani, LOBH Bahía de las A, CELP Cerrillos, GRTK Grand Turk, GRTK Grand Turk, GRTK Grand Turk.

NNC 30 13:27:17.6:6.1,51.64N:75.52E,h0km,mb3.3,mpv3.1, Error ellipse: s-maj=57.7km s-min=18.9km az=169.0, Suspected Mining explosion.

IDC 30 13:27:18.3:0.8,51.75N:75.54E,h0km,mbtmp2.7/4, ML2.1/4, Error ellipse: s-maj=20.7km s-min=6.7km az=28.0, ISC 30 13:27:17.9:1.0,51.70N:0.06:75.52E:0.04,h0km,n17,c0f77/13,3C-2D,Eastern Kazakhstan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, BRZS Berezinski, SEM Semipalatinsk, SEM Semipalatinsk, BVAR Borovoye Array, BVAR Borovoye Array, OTUK Ortayu, OTUK Ortayu, OTUK Ortayu, 146RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, MK31 Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array.

30d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, DJR Jarkent, DJR Jarkent, KPKS Kokpek, KPKS Kokpek, PDGK Podgornoye, AAK Ala-Archa, I31KZ AKTYUBINSK INF, AKTO Aktyubinsk, ARTI Arti.

JMA 30 13:38:38.3:0.1,25.1N:123.2E:0.4,h101km,1km, MV2 8/15,NW OFF ISHIGAKIJIMA IS, ISC 30 13:38:38.6:1.7,24.8N:0.1:123.25E:0.05,h107km,11km,n19,c0f65/29,Southeastern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YOJ Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, YJNG Yungayjimaku, IRIF Iriomote-Funau, IKRS Kuro-shima, IKRS Kuro-shima, HATJ Hateruma jima, HATJ Hateruma jima, IJL Ishigaki jima, IJL Ishigaki jima, JISG Ishigakijimah, JISG Ishigakijimah, JTJ Tarama, JTJ Tarama, INAC Ninganchiao, INAC Ninganchiao, JIRB Irabujima, JIRB Irabujima, JIKM Ikemajima, JIMJ Miyako jima3, JMOJ Miyako jima, JOGS Gokusukube, YULB Yuuli, SSSL Suilung, TWGBT Beinan, TPUB Ta-pu.

IDC 30 14:06:25.1:1.8,31.21S:138.77E,h0km,mb3.5/1, mbtmp3.0/4,ML2.6/3,Error ellipse: s-maj=34.6km s-min=15.6km az=37.0, South Australia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, VVDA Vanda.

RSNC 30 14:19:53.0:0.0,4N:4.76W,h104km,5km,M1.5,ML1.5, Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YOTC Yotoco, YOTC Yotoco, ANIL Santa Ana, ANIL Santa Ana, MALC Bahia Malaga, MALC Bahia Malaga, ORTC Ortega, Tolima, ORTC Ortega, Tolima, GUY2C Guyana, CBOC Ciudad Bolivar, PRAC Prad, POPC Popayan, Colom.

IDC 30 14:25:52.3:7.6,81.3S:119.88E,h152km,81km,mb3.2/4, mbtmp3.6/6, Error ellipse: s-maj=160.3km s-min=29.7km az=53.0, c2677/1,mb3.7/3,Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, Alice Springs, Alice Springs, STKA Stephens Creek, MKAR Makanchi Array, ZALV Zalesovo Beam.

IDC 30 14:40:06.3:6.3,37.10N:71.46E,h114km,46km,mb3.8/5, mbtmp3.9/11, Error ellipse: s-maj=66.2km s-min=35.6km az=149.0, ISC 30 14:40:04.3:2.5,37.0N:0.2:71.5E:0.2,h106km,n18,c0f71/19,mb4.3/5,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AML Almayashu, EK2S Erkin-Say, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, CHMS Chumysh, USP Ospanovka.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KHZ Kahutara, DSZ Denniston, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MLBS Spotswood, MTSU Mount Surprise, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SBA Scott Base, SBA Scott Base, etc.

30d 15h

Table with columns for call sign, frequency, power, and other technical details. Includes entries for JGF, JGF Kuroka, JOW, JOW Kunigami, etc.

2019 MAY

Table with columns for call sign, frequency, power, and other technical details. Includes entries for SAO, PMPB, BELA, BELA Belgrano 2, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes entries for DLV, DLV Lat, DLV L04D, etc.

Table with columns for station ID, name, coordinates, elevation, and various performance metrics (R, P, S, etc.). Includes stations like Pine Mountain, Qiongzong, Big Mountain, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, etc. Includes stations like MENT, H19K, G18K, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, etc. Includes stations like P33M, BOZ, I23K, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, etc. Includes stations like XLT, F20K, H24K, etc.

30d 15h

Table with columns for station ID (e.g., G25K, KMI, HHC), name (e.g., Bearman Lake, Miner Creek), date (91.20, 91.28), time (12, 296), and various data points (P, S, 15.50, 16.01, etc.).

2019 MAY

Table with columns for station ID (e.g., TOLK, H29M, F26K), name (e.g., Toolik Lake Re, Sheeha River), date (92.30, 92.35), time (10, 14), and various data points (Iamb, P, S, 15.50, 16.01, etc.).

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Table with columns for station ID (e.g., YAK, A21K, E28M), name (e.g., Barrow, Babbage River), date (93.91, 94.07), time (6, 13), and various data points (P, Iamb, S, 15.50, 16.01, etc.).

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AZL, A36M, LPAZ, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OHH, BRZS, ARK, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like UMQ, ASUD, DOK, etc.

Table with 4 columns: Station Name, Frequency, Modulation, and Signal Quality (e.g., PKP, PKPdf, etc.).

Table with 4 columns: Station Name, Frequency, Modulation, and Signal Quality (e.g., eSKS, PKPdf, etc.).

Table with 4 columns: Station Name, Frequency, Modulation, and Signal Quality (e.g., PKIKP, PKPdf, etc.).

Table with columns: Name, RA, Dec, Mag, Type, and other details. Includes entries like GULF Gulveren, GOPC GO Pecny, and CONA Conrad Obswera.

Table with columns: Name, RA, Dec, Mag, Type, and other details. Includes entries like CONA comp=Z,186nm,0.8s, SNR=24, CONA comp=Z,359nm,1.2s, and CONA comp=Z,289nm,3.4s, SNR=7.5.

Table with columns: Name, RA, Dec, Mag, Type, and other details. Includes entries like HAPS Han Pijesak, BOUS Bojanci, and CONA Conrad Obswera.

LDG 30 15:49:46.0, 1.45:30'N, 6:68'E, h2km, Md2, 1/2, M12, 2/18, Error ellipse: s-maj=1.3km s-min=1.0km az=83.0, GEN 30 15:49:46.7, 45:25'N, 6:71'E, h4km, M11, 3, ROM 30 15:49:46.2, 0.45:26'N, 0:008:6:68'E, 0.1, h8km, 1km, M1.1, 5/22, Error ellipse: s-maj=1.1km s-min=0.4km az=304.0, STR 30 15:49:47.0, 0.3, 45:25'N, h5km, ML2, 0/22, 1C-1D, Error ellipse: s-maj=0.0km s-min=0.0km az=174.6, preliminary, France

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes entries like OGMO Fort Saint-Gob, KEST Kesra, and TAM Tamanrasat.

30d 16h

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
RRL	Rocca Remolon	0.36	168	Sg	15 49 59.5 +0.6			
RRL	Rocca Remolon	0.36	168	P	15 49 54.1 -0.1			
RRL	Rocca Remolon	0.36	168	S	15 49 58.7 -0.2			
RRL	Rocca Remolon	0.36	168	S	15 49 54.1 0.0			
RRL	Rocca Remolon	0.36	168	S	15 49 59.5 +0.5			
RRL	comp=E, 72μm, 0.1s			AML				
RRL	comp=N, 105μm, 0.6s			AML				
RRL	comp=E, 72μm, 0.1s			AML				
RRL	comp=N, 102μm, 0.3s			AML				
RSL	Roseland	0.41	354	P	15 49 56.1 -0.8			
RSL	Roseland	0.41	354	Sg	15 50 01.9 +0.9			
RSP	Reno Superiore	0.43	107	Pg	15 49 55.3 +0.1			
RSP	Reno Superiore	0.43	107	Sg	15 50 01.5 +0.5			
RSP	Reno Superiore	0.43	107	Pg	15 49 55.4 +0.1			
RSP	Reno Superiore	0.43	107	Sg	15 50 00.6 -0.5			
RSP	Reno Superiore	0.43	107	Pg	15 49 55.4 +0.1			
RSP	Reno Superiore	0.43	107	Sg	15 50 01.4 +0.4			
RSP	comp=E, 122μm, 0.5s			AML				
RSP	comp=N, 103μm, 0.8s			AML				
RSP	comp=E, 122μm, 0.5s			AML				
RSP	comp=N, 103μm, 1.2s			AML				
RSP	comp=N, 84μm, 0.2s			AML				
RSP	comp=E, 122μm, 0.5s			AML				
RSP	comp=E, 109μm, 0.5s			AML				
RSP	comp=N, 80μm, 0.2s			AML				
MBDF	Montbardon	0.56	173	eP	15 49 57.1 -0.6			
MBDF	Montbardon	0.56	173	eSg	15 50 04.6 -0.3			
MRGE	Morge	0.56	28	P	15 49 57.7 -0.1			
MRGE	Morge	0.56	28	P	15 49 57.6 -0.2			
MRGE	Morge	0.56	28	Sg	15 50 05.8 +0.7			
MRGE	comp=E, 39μm, 1.0s			AML				
MRGE	comp=N, 38μm, 1.5s			AML				
MRGE	comp=E, 22μm, 0.2s			AML				
MRGE	comp=N, 23μm, 0.4s			AML				
BHB	Bricherasio	0.60	136	Pg	15 49 58.5 0.0			
BHB	Bricherasio	0.60	136	Pg	15 49 58.5 +0.1			
BHB	Bricherasio	0.60	136	Sg	15 50 06.7 +0.4			
BHB	Bricherasio	0.60	136	P	15 49 58.6 +0.1			
BHB	Bricherasio	0.60	136	Sg	15 50 06.7 +0.4			
BHB	comp=E, 52μm, 0.4s			AML				
BHB	comp=N, 75μm, 0.4s			AML				
BHB	comp=E, 52μm, 1.6s			AML				
BHB	comp=E, 52μm, 0.4s			AML				
BHB	comp=N, 59μm, 0.2s			AML				
GRN	Grenoble	0.66	267	Pg	15 49 59.9 +0.2			
GRN	Grenoble	0.66	267	Sg	15 50 09.3 +1.1			
ORIF	Oris-en-Rattie	0.67	238	eP	15 49 59.7 -0.4			
ORIF	Oris-en-Rattie	0.67	238	eSg	15 50 08.2 -0.5			
ORIF	Oris-en-Rattie	0.67	238	Pg	15 49 59.6 -0.3			
ORIF	Oris-en-Rattie	0.67	238	P	15 49 59.7 -0.3			
ORIF	Oris-en-Rattie	0.67	238	Sg	15 50 08.4 -0.2			
ORIF	comp=N, 44μm, 1.2s			AML				
ORIF	comp=N, 44μm, 1.2s			AML				
ORIF	comp=E, 77μm, 0.8s			AML				
ORIF	comp=E, 70μm, 0.3s			AML				
ORIF	comp=N, 40μm, 0.3s			AML				
CIRO	Champorcher	0.70	62	Pg	15 50 00.1 -0.4			
CIRO	Champorcher	0.70	62	Pg	15 50 10.1 +0.4			
CIRO	Champorcher	0.70	62	P	15 50 00.2 -0.3			
CIRO	Champorcher	0.70	62	S	15 50 00.9 +0.2			
CIRO	Champorcher	0.70	62	P	15 50 00.4 -0.2			
CIRO	Champorcher	0.70	62	Sg	15 50 09.7 0.0			
CIRO	comp=N, 26μm, 1.4s			AML				
CIRO	comp=E, 23μm, 0.9s			AML				
CIRO	comp=E, 23μm, 1.1s			AML				
CIRO	comp=E, 18μm, 0.4s			AML				
CIRO	comp=N, 21μm, 0.2s			AML				
CREF	Crivoux	0.73	183	Pg	15 50 01.1 +0.1			
CREF	Crivoux	0.73	183	Sg	15 50 10.7 +0.2			
OGSM	Saint Maurice	0.77	296	Pg	15 50 02.1 +0.3			
TRAV	Traversella	0.79	72	Pg	15 50 01.7 -0.4			
TRAV	Traversella	0.79	72	Sg	15 50 12.4 +0.1			
TRAV	Traversella	0.79	72	Pg	15 50 02.0 -0.1			
TRAV	Traversella	0.79	72	P	15 50 12.0 -0.2			
TRAV	Traversella	0.79	72	Sg	15 50 02.0 -0.1			
TRAV	Traversella	0.79	72	Sg	15 50 12.1 -0.2			
TRAV	Traversella	0.79	72	Sg	15 50 12.1 -0.2			
TRAV	comp=E, 73μm, 0.3s			AML				
TRAV	comp=N, 61μm, 1.0s			AML				
TRAV	comp=N, 60μm, 0.2s			AML				
TRAV	comp=E, 73μm, 0.3s			AML				
SURF	Saint Ours	0.80	173	Pg	15 50 02.3 -0.1			
SURF	Saint Ours	0.80	173	Sg	15 50 14.9 +0.1			
SURF	Saint Ours	0.80	173	P	15 50 02.6 +0.2			
SURF	Saint Ours	0.80	173	Sb	15 50 14.2 -0.6			
OGMY	Moye	0.82	318	Pn	15 50 05.5 +0.2			
OGMY	Moye	0.82	318	Sn	15 50 19.7 +1.8			
OGAG	Argentiere	0.83	187	Pg	15 49 56.9 -0.6			
OGAG	Argentiere	0.83	187	P	15 49 57.0 -0.6			
OGAG	Argentiere	0.83	187	Sg	15 50 05.7 -0.8			
JAUJ	Jausiers	0.85	177	Pg	15 50 03.2 -0.1			
JAUJ	Jausiers	0.85	177	Sg	15 50 15.1 +0.7			
SATI	Passo dei Sala	1.02	54	Pg	15 50 06.4 -0.2			
OG35	Corcelles	1.09	315	Ph	15 50 09.0 -0.1			
OG35	Corcelles	1.09	315	Sg	15 50 22.9 -0.2			
ENR	Entracque	1.18	153	Pg	15 50 07.7 -0.8			
ENR	Entracque	1.18	153	P	15 50 08.7 -0.8			
ENR	Entracque	1.18	153	P	15 50 08.7 -0.8			
SPIF	crte de Spivo	1.28	162	Pg	15 50 11.3 -0.3			
CABF	La Chapelaine	1.40	343	eP	15 50 12.5 -0.8			
CABF	La Chapelaine	1.40	343	eSg	15 50 31.9 0.0			
VIVF	Saint-Julien-	1.48	254	eP	15 50 14.9 -0.2			
VIVF	Saint-Julien-	1.48	254	eSg	15 50 33.9 -0.3			
SSB	Saint Sauveur	1.51	271	Pg	15 50 15.9 -0.1			
SSB	Saint Sauveur	1.51	271	Sg	15 50 35.9 +0.3			
ICP	Piancastagn	1.52	118	Pn	15 50 15.2 +0.3			
SMRF	Simiane la Rot	1.52	212	eP	15 50 15.5 -0.2			
SMRF	Simiane la Rot	1.52	212	eSg	15 50 35.5 +0.1			
CALF	Calern	1.54	173	Pg	15 50 17.7 +1.3			
TRIG	Trigance	1.54	187	Pg	15 50 16.8 +0.2			
RUSF	Rustrel	1.59	213	Pg	15 50 17.2 -0.2			
BRANT	Les Verrieres	1.67	355	Pg	15 50 17.9 -0.3			
ARTF	Artigues	1.80	201	Pg	15 50 21.6 0.0			
FOURG	Fourg	1.92	342	Ph	15 50 19.1 -1.3			
LMR	La Mourre	1.95	184	eP	15 50 27.9 -1.1			
LMR	La Mourre	1.95	184	eSg	15 50 41.9 0.0			
TUE	Stuetta	2.21	56	AML				
TUE	Stuetta	2.21	56	AML				
LASF	Ste Croix	2.35	240	eP	15 50 30.3 +0.5			
LASF	Ste Croix	2.35	240	eSg	15 50 51.5 -3.9			
LASF	Ste Croix	2.35	240	eSg	15 50 01.7 -0.7			
LASF	comp=E, 0.5nm, 0.2s			AML				

2019 MAY

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
SMF	Signal de Mont	2.41	306	eP	15 50 30.7 -0.1			
SMF	Signal de Mont	2.41	306	eSg	15 50 51.9 -5.0			
SMF	Signal de Mont	2.41	306	Sb	15 51 01.3 +0.5			
HMF	Hinterfeld	2.54	3	ePn	15 50 26.7 -2.3			
HMF	Hinterfeld	2.54	3	eSg	15 50 55.8 -4.5			
HMF	Hinterfeld	2.54	3	Sb	15 51 06.3 +1.6			
HAU	Haudompre	2.74	355	eP	15 50 36.8 +0.3			
AVF	Avril sur Loir	2.77	304	ePn	15 50 28.5 -3.2			
AVF	Avril sur Loir	2.77	304	eSg	15 50 37.7 +0.7			
AVF	Avril sur Loir	2.77	304	Sb	15 51 12.8 +1.6			
LOR	Lormes	2.79	316	eP	15 50 38.2 +0.8			
LOR	Lormes	2.79	316	eSg	15 51 02.2 -4.2			
LOR	Lormes	2.79	316	Sb	15 51 13.8 +1.7			
SSF	Saint Saugle	2.84	310	eP	15 50 38.6 +0.5			
SSF	Saint Saugle	2.84	310	eSg	15 51 02.6 -4.9			
SSF	Saint Saugle	2.84	310	Sb	15 51 15.6 +2.4			
SFTF	Sextfontaines	3.14	339	eSg	15 51 25.0 -2.8			
TCF	Toulx Ste Croi	3.29	289	ePn	15 50 36.2 -3.0			
TCF	Toulx Ste Croi	3.29	289	eSg	15 51 13.8 -4.9			
CAF	Calviac	3.29	265	eP	15 50 39.8 +0.6			
CAF	Calviac	3.29	265	eSg	15 51 29.7 -2.9			
MEZF	Maizières Jvi	3.41	341	eSg	15 51 33.2 -3.4			
HYF	Humbignon	3.44	307	ePn	15 50 37.7 -3.5			
SAVF	Savonnieres en	3.50	343	eSg	15 51 36.6 -2.9			
TEOL	Teolo	3.52	87	eP	15 50 50.3 +0.5			
TEOL	Teolo	3.52	87	eSg	15 51 07.7 -1.7			
BAIF	Baives	5.07	34					

30D 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Santa Cesarea, Novara, Antillo, Ucria, Mondragone, San Fratello, Gagliano Caste, etc.

30D 16:49:48.9.11.0, 5.035N:129.69E, h334km, 135km, mb3.2/2, mbtmp3.6/4, Error ellipse: s-maj=129.7km s-min=49.0km az=69.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Alice Springs, Kurchatov Arr, etc.

LDG 30 16:52:17.9.0.1, 46.35N:6.76E, h2km, Md2.2/1, MI1.9/11, Error ellipse: s-maj=1.5km s-min=1.4km az=177.0

ZUR 30 16:52:17.0, 46.36N:6.75E, h-2km, 2km, MLh1, 1/12, Error ellipse: s-maj=173.4km s-min=117.0km az=130.0

STR 30 16:52:18.0, 3.45N:2.35E, h5km, MLv1.9/14, 1C-1D, Error ellipse: s-maj=0.0km s-min=0.0km az=113.0, preliminary, Switzerland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Aigle, Aigle Rue de l, Lac Salanfe, etc.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Oris-en-Rattie, Kirchzarten, Schleithelm, etc.

IDC 30 16:58:08.8.4.9, 2.338N:94.12E, h75km, 43km, mb3.2/2, mbtmp3.4/3, ML3.6/1, Error ellipse: s-maj=103.8km s-min=25.7km az=61.0

ISC 30 16:58:06.1.1.0, 22.9N:0.3:93.3E:0.2, h53km, n14, c227/20, Myanmar-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ODAN Odare, RAMN Ramite, GUN Gumba, etc.

IDC 30 17:04:31.9.1.9, 6.26S:129.94E, h0km, mb3.8/2, mbtmp3.9/5, ML4.0/3, MS3.0/1, Error ellipse: s-maj=93.3km s-min=25.3km az=77.0

NEIC 30 17:04:44.7.1.3, 6.4S:0.1:130.2E:0.1, h132km, 15km, mb4.5/4, Error ellipse: s-maj=19.6km s-min=15.9km az=167.0

ISC 30 17:04:45.2.0.7, 6.45S:0.06:130.21E:0.06, h146km, n32, c293/29, mb3.9/3, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SAUI Saumlaki, WARRAMUNGA ARR, etc.

ML3.0, 1C-1D, Dominican Republic region 1682

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Loma La Naviza, Alto Bandera, etc.

STR 30 17:31:36.9.1.6, 46.7N:5.5E:1.0, h5km, MLv1.3/4, Error ellipse: s-maj=0.0km s-min=0.0km az=110.1, preliminary

ZUR 30 17:31:37.8, 46.14N:7.04E, h5km, 1km, MLh0.4/2, 2C-3D, Error ellipse: s-maj=228.2km s-min=72.10km az=102.0, Switzerland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SALAN Lac Salanfe, SMOA Martigny, Rue, etc.

CATAC 30 17:46:07.8.0.4, 13.2N:2.8E:9W:2, h30km, 3km, M4, 3/30, MLv4.3/30, Error ellipse: s-maj=5.3km s-min=3.0km az=34.7, confirmed

CGC 30 17:46:09.2.1.1, 13.14N:89.57W, h40km, MD4.3, ISC 30 17:46:08.0.1.4, 13.03N:0.05:89.46W:0.04, h27km, 12km, n68, c091/75, El Salvador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LALI Alcaldia de L, JAYA Jayaque - finc, etc.

NEIC 30 18:17:04.7.1.5, 0.30N:0.08:122.11E:0.07, h170km, 6km, mb4.5/28, Error ellipse: s-maj=13.0km s-min=7.5km az=215.0

SDD 30 17:05:19.9.1.8, 20.82N:70.83W, h17km, 8km, MD3.1, az=215.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for stations like Marisa, Ampama, Luwuk, Mapaga, Palu, Tana Toraja, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for stations like Torpederas, Santo Domingo, Curacav, Roca, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for stations like Cuesta del Vie, Ternaite, Sananghe, etc.

Summary of station coordinates and names, including SJA 30 18:33:18.1±0.8, 33.16S;71.91W, h24km, 1km, ML3.5, MW3.8 and GUC 30 18:33:20.0±0.9, 33.11S;71.86W, h32km, 3km, ML3.5.

30d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like UTEC Universidad Te, UUES Universidad Ev, UES Universidad Ev, etc.

VAO 30 18:55:09.2±1.0, 15:35S:72:41W, h44km, 6km, mb4.8
IAD 30 18:55:15.0±1.9, 15:00S:71:99W, h88km, 16km, mb4.1/15,
mbtmp4.4/18, MS3.2/1, Error ellipse: s-maj=18.1km
s-min=10.6km az=51.0

NEIC 30 18:55:18.2±1.8, 15:07S:0:09:72:1W:0.1, h114km, 7km,
mb4.7/149, Error ellipse: s-maj=16.8km s-min=11.9km
az=59.0

ISC 30 18:55:18.3±0.4, 15:02S:0:06:72:04W:0.06, h124km,
n193, n174/140, mb4.7/87, 1D, Southern Peru

Main table for 30d 19h section, listing station codes and names like PB18 Visivri, AP01 Chacalluta, LPAZ La Paz, etc.

2019 MAY

Main table for 2019 MAY section, listing station codes and names like TXAR Lajitas Aray, TX31 Lajitas Ar, LCAIR Lake Charles, etc.

1684

Main table for 1684 section, listing station codes and names like VVDA Vanda, ESDC Sonseca Array, ESDC Yellowknife Arr, etc.

KRSC 30 19:30:14.1±1.0, 51:46N:158:43E, h54km±10km, MI4.2,
Near east coast of Kamchatka Peninsula

Table for KRSC section, listing station codes and names like KDTR Khodutka, RUS Russkaya, ASAK Asacha, etc.

BKI Bering 5.87 47 eP Pn 19 31 41.2 +2.8

AEIC 30 19:33:43.3±0.7, 53.63N±0.08, 165.95W±0.08, h51km, gkm, Error ellipse: s-maj=13.9km s-min=2.2km az=148.0

NEIC 30 19:33:43.4±0.7, 53.63N±0.2, 165.9W±0.2, h50km, 33km, ML2.5(AEIC), Error ellipse: s-maj=28.4km s-min=2.6km az=147.0, Fox Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like UNV, UNV, ZRO, AKGDA, etc.

KRNET 30 19:39:42.0±0.1, 40.92N±77.62E, h11km, mb2.3 SOME 30 19:39:41.8, 40.93N±77.62E, h10km

NNC 30 19:39:42.7±1.1, 40.95N±77.69E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=7.4km s-min=6.3km az=3.0

ISC 30 19:39:42.0±2.5, 40.93N±0.1, 77.59E±0.06, h38km, 14km, n18, r=1913/26, 6C-4D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KDJ, NRN, PRZ, TNSS, etc.

ISC 30 19:52:55.0±0.9, 7.79N±137.11E, h0km, mb3.8/9, mbmp3.9/10, ML4.1/1, MS3.2/23, Error ellipse: s-maj=48.3km s-min=17.1km az=76.0

NEIC 30 19:52:56.8±2.6, 7.8N±0.1, 137.0E±0.2, h10km, 1km, mb4.4/6, Error ellipse: s-maj=26.4km s-min=20.6km az=71.0

ISC 30 19:53:00.0±0.7, 7.8N±0.1, 137.2E±0.2, h35km, n42, r=0584/13, mb4.1/13, MS3.2/19, Western Caroline Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JAY, DAV, TTI, etc.

H11S1 WAKE ISLAND Hy 30.54 67 T T 20 31 01.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KSRS, AS31, ASAR, USRK, etc.

DMN 30 20:07:41.5±0.0, 29.27N±89.07E, h10km, M14.2/8, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ODAN, GUN, RAMN, etc.

DMN 30 20:10:20.8±0.0, 29.67N±85.41E, h10km, M14.1/6, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 30 20:10:23.6±1.2, 29.65N±85.66E, h0km, mb3.7/8, mbmp3.6/10, ML3.4/2, MS3.1/2, Error ellipse: s-maj=48.4km s-min=17.8km az=59.0

ISC 30 20:12:24.9±0.8, 29.58N±0.05, 85.62E±0.08, h10km, n23, r=111/25, mb3.8/8, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like GUN, KKN, GKN, etc.

0.4nm, 0.3s BVAR Borovoye Array 25.95 339 P P 20 15 57.8 +0.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KSRS, FINES, MA2, etc.

SNET 30 20:12:20.7±3.1, 13.50N±88.54W, h3km, ML2.9 CATAC 30 20:12:20.1±0.3, 14.1N±2.8W, h4km, 1km, M2.8/11, MLV2.8/11, Error ellipse: s-maj=5.3km s-min=2.3km az=20.4, confirmed

ISC 30 20:12:20.0±0.8, 13.50N±0.05, 88.42W±0.02, h11km, gkm, n33, r=0564/37, EI Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like TECA, PACA, PACA, etc.

SJA 30 20:18:35.4±0.7, 21.15S±68.99W, h129km, 3km, ML3.4, MW3.5

GUC 30 20:18:37.0±0.8, 21.14S±68.93W, h116km, 4km, ML3.5

ISC 30 20:18:36.9±1.5, 21.15S±0.03, 69.00W±0.09, h103km, gkm, n28, r=0544/47, 5C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PB01, PB01, PB01, etc.

30d 21h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like PB16, PB14, GO02, GO03, LPAZ.

KRSC 30.20:19:25.1±2.1, 49.10N; 157.44E, h40km, 28km, M4.0
IDC 30.20:19:28.8±4.6, 49.25N; 156.20E, h48km, 29km, mb3.4/4,
mbmp3.7/8, ML3.8/3, MS2.9/3, Error ellipse: s-maj=73.9km
s-min=26.7km, aza=131.0

ISC 30.20:19:23.5±1.3, 48.93N; 0.1±157.0E; 0.1, h35km, n34,
o197/32, mb3.7/4, Az of Kuril Islands

Main table for station 30d 21h, listing various stations like Severo-Kuril's, PAU, ASAK, etc. with their respective data.

IDC 30.20:35:11.0±0.6, 20.04S; 66.40E, h0km, mb4.0/17,
mbmp4.0/17, MS3.9/49, Error ellipse: s-maj=25.5km
s-min=15.2km, aza=82.0

GCMT 30.20:35:16.0±0.3, 19.92S; 0.03±66.08E; 0.02, h12km,
MW4.9/11, Moment Tensor Solution. s19.c22: s91.c119;
Duration: 0 Moment tensor: Scale 10^16Nm; Mr=1.76±.07;
Mw=0.28±.07; Mw1.48±.05; Mw1.41±.25; Mw0.4±2±.06;
Mr1.57±.23; Best double couple: Mw2.58600±.016
NP1±0.332, 0.0000±.627, 0.0000±.136, 0.0000±.
NP2: ±0.202, 0.0000±.872, 0.0000±.169, 0.0000±.
Principal axes:
T 2.1310, Plg24.0000±. Azm276.0000±. N 0.9100,
Plg19.0000±. Azm15.0000±. P -3.0420, Plg58.0000±.
Azm140.0000±. nst1 refers to body waves, cutoff=40s.
nst2 refers to surface waves, cutoff=50s. Surface-wave
inflation Triangular moment-rate function

ISC 30.20:35:12.8±0.6, 20.15S; 0.1±66.4E; 0.2, h10km, n60,
o58/18, mb4.1/17, MS4.0/18, Mauritius-Reunion region

Main table for station 30d 21h, listing various stations like Diego Garcia H, Ambichitrampo, CROZET ISLANDS, etc. with their respective data.

30 MAY

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like WRA, TGY, DAV, SNA, SNA.

WRA Warramunga Arr 63.40 103 P 20 45 42.8 -0.3
TGY Tagaytay City 63.47 62 LR 21 09 16.6
DAV Davao City (W) 64.13 71 LR 21 11 04.1

ISC 30.20:55:24.6±1.1, 11.79N; 85.60W, h0km, mb3.6/5,
mbmp3.6/5, Error ellipse: s-maj=93.8km s-min=11.6km
aza=65.0

Main table for station 30 MAY, listing various stations like Stephens Creek, Makanchi Array, South Pole Qui, etc. with their respective data.

1686

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like AMTN, MOMN, QUES, JTB.

NEIC 30.20:59:21.9±1.7, 7.05S; 0.1±129.40E; 0.09, h200km, 5km,
mb4.5/8, Error ellipse: s-maj=17.0km s-min=12.9km
aza=174.0

IDC 30.20:59:34.9±7.6, 7.78S; 128.32E, h273km, 78km, mb3.2/6,
mbmp4.0/8, Error ellipse: s-maj=80.9km s-min=19.5km
aza=57.0

ISC 30.20:59:25.4±0.7, 7.42S; 0.06±129.31E; 0.05, h200km, n44,
o36/150, mb3.6/8, Banda Sea

Main table for station 1686, listing various stations like Saumlaki, Saumlaki, Saumlaki, etc. with their respective data.

SNET 30.21:00:58.5±1.0, 13.50N; 88.44W, h4km, ML2.9
CATAC 30.21:00:58.0±3.0, 14.4N; 8.8W, h5km, 2km, M2.8/11,
MLV2.8/11, Error ellipse: s-maj=8.7km s-min=2.0km
aza=20.0, confirmed

ISC 30 21:00:58.70.9, 13.53N, 0.05:88.41W, 0.02, h12km, 6km,

n38, c060/45, El Salvador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TECA, PACA, RANC, etc.

ISC 30 21:03:59.4.0.7, 34.49N, 45.62E, h6km, 28km, ML3.2

TEC 30 21:04:00.1, 34.49N, 45.62E, h11km, 18km

ISC 30 21:04:01.6, 1.0, 34.46N, 0.03:45.64E, 0.04, h8km, 10km,

n23, c086/26, Iran, Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KGS1, GLG1, IDHR, etc.

GCG 30 21:17:22.9.1.1, 13.52N, 89.70W, h72km, 8km, MD4.0

CATAC 30 21:17:23.0.0.5, 13.52N, 89.70W, h39km, 3km, M3.7/19,

MLV3.7/19, Error ellipse: s-maj=9.7km s-min=3.4km

az=23.2, confirmed

ISC 30 21:17:25.4.1.4, 13.53N, 0.08:89.62W, 0.05, h66km, n50,

c125/53, El Salvador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JAYA, CEVE, LALI, etc.

DJA 30 21:20:30.1.0.2, 2.52S, 122.3E, h10km, M4.4/20, mB4.9/2,

mb4.5/6, MLV4.2/20, Mw(mB)4.2/2

ISC 30 21:20:32.2.1.6, 2.42S, 122.59E, h0km, mb3.5/3,

mbmp3.5/3, ML3.9/1, Error ellipse: s-maj=36.6km

s-min=26.3km az=62.0

ISC 30 21:20:29.8.2.1, 2.05S, 122.59E, 0.05, h7km, 14km,

n20, c1506/25, mb3.8/5, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like LUWI, AMPS, MRSI, etc.

ISC 30 21:43:44.3.0.7, 36.90N, 27.70E, h0km, mb3.9/14,

mbmp3.8/26, ML3.3/10, MS3.6/48, Error ellipse:

s-maj=13.2km s-min=10.0km az=161.0

HLW 30 21:43:44.0.0.2, 36.95N, 27.61E, h10km, MW4.5/32,

MED_RC 30 21:43:45.0.0.2, 36.95N, 27.61E, h10km, MW4.5/32,

Moment tensor Solution. Mantle waves: s32, c36;

Duration: 1s. Moment magnitude: Scale 1015Nm;

Mw=5.36; L1; Mw0.5=1.2; L1; Mw0.2=4.18; Mw3.1=2.75;

Mw=1.70; L1; Mw1.40=5.9; Best double couple;

M=6.480000*1015 NP1.0; 125.000000, 835.000000,

lambda=110.000000, NP2.0; 268.000000, 861.000000,

lambda=110.000000, Principal axes: T 2.6200, P1g13.0000,

Azm13.0000; N 0.4400, P1g18.0000, Azm78.0000;

P -6.6900, P1g68.0000, Azm138.0000; nstia1 refers to

KARZ (waves). nst2 refers to surface waves. cutoff=35s.

ISK 30 21:43:45.3, 36.98N, 27.65E, h7km, ML4.2/28

THE 30 21:43:46.0, 37.2N, 27.8E, h9km, 4km, M3.6/23,

MLh3.6/23

AFAD 30 21:43:45.0, 36.94N, 27.66E, h7km, 1km, MW4.2

MOS 30 21:43:45.1, 1.1, 36.92N, 27.61E, h13km, mb4.5/10, Error

ellipse: s-maj=6.7km s-min=5.1km az=81.4

ATH 30 21:43:46.7, 36.99N, 27.56E, h15km, 1km, ML3.6/8,

Manual Solution by F. Xalari's First location: 2019/05/30

14:55:08, This location: 2019/06/01 20:31:43 ML

Amplitudes are expressed in micrometers. All distances

are expressed in degrees Latitude uncertainty: 1 km;

Longitude uncertainty: 0 km

Gll 30 21:43:51.5, 0.0, 36.450N, 0.006:27.749E, 0.002, h20km,

Mw5.4, confirmed

ISC 30 21:43:46.5.0.6, 36.94N, 0.02:27.65E, 0.02, h13km, 4km,

n274, c1941/284, mb4.0/21, MS3.6/37, 20C-8D,

Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like DATC, BDRM, BDRM, etc.

Table with columns: NAZL, Nazilli-Aydin, FETY, Fethiye, IZMR, Izmir, etc. Lists stations and their coordinates.

30d 22h

Table with columns: SHBL, CHEBBA, 7.54 116 eP, Pn, 21 45 35.3 -0.9, etc. Lists various stations and their coordinates.

2019 MAY

Table with columns: OBN, Obninsk, 19.17 16 LR, LR, 21 56 26.5, etc. Lists stations in the Obninsk region.

1688

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Lists stations in the Athens region.

UPP 30 22:09:21.1±0.1, 67:19N;20:71E, h0km, ML2.6, Unknown HEL 30 22:09:21.4±0.3, 67:17N;20:62E, h0km, ML1.3, Suspected

ISC 30 22:09:20.7±0.9, 67:20N;0:02±0.20:78E;0:03, h0km, n24, c=062/35, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Lists stations in the Dunrobert region.

WEL 30 22:14:45.1±1.8, 34°S;34°17'8W;4°0, h300km, M3.9/7, mB4.3/7, ML4.6/6, MLV4.5/4, Mw(mB)3.4/7, Error ellipse: s-maj=65.8km s-min=18.0km az=129.0, confirmed, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Lists stations in the Pakhiroo region.

JMA 30 22:30:03.6±0.1, 41.3N;0:7±142.6E;0:7, h46km, MV1.5/16, E OFF AOMORI PREF, Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Lists stations in the Erimo region.

IDC 30 22:33:10.9±0.6, 36:72N;141:75E, h0km, mb4.1/20, mbmp4.0/26, ML3.6/5, MS3.5/16, Error ellipse: s-maj=16.6km s-min=13.9km az=87.0

NEIC 30 22:33:10.9±0.6, 36:72N;141:75E, h0km, mb4.1/20, mbmp4.0/26, ML3.6/5, MS3.5/16, Error ellipse: s-maj=16.6km s-min=13.9km az=87.0

JMA 30 22:33:11.2±0.3, 36:33N;141:54E, h38km, MD4.3/38, MV4.0/38, FAR E OFF IBARAKI PREF

ISC 30 22:33:09.5±2.4, 36:24N;0:05±141:88E;0:05, h8km±14, n126, e125/107, mb4.4/40, MS3.6/14.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, etc. Lists stations in the Hitachinakayama region.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, I, S, C, Time, Res. Includes stations like ONAJ, JSMT, JYT, JFJ, JSB, BSO1, TOK, JOTO, BSO3, JMM, JMM, JAG, JFY, JKT, JKT, JRY, JOD2, JOFO, MJAR, MJAR, MAJO, MAJO, MJB9, JSJ, JHJ2, JHJ2, JHJ, JHJ, JGJ, JGJ, JTM, ERM, ERM, JEM, JEM, JMN, JMN, JKA, ASAJ, ASAJ, ASAJ, ASAJ, MA2, MA2, HHC, HHC, HHC, HHC, YAK, XAN, XAN, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, SONM, SONM, SONM, PZH, PZH, PZH, TIXI, TIXI, SPIA, WMQ, ZAAO, ZALV, ZALV, ZALV, C16K, NRK, MKAR, MKAR, MKAR, EVN, EVN, ILAR, D25K, D25K, BOOM, BOOM, K2AK.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, I, S, C, Time, Res. Includes stations like K2AK, RIDG, RIDG, C27K, C27K, BMRM, BMRM, SCRK, BVAR, BVAR, BRVK, HMT, E27K, I28M, KNRA, E29M, H29M, G29M, G29M, L29M, L29M, G31M, G31M, INK, H31M, H31M, WBR, WBR, WBR, CHGR, AB31, ABKAR, ABKAR, ASAR, YKA, ARCES, ARCES, STKA, FINES, FINES, HFS, HFS, NB2, NOA, AKASG, AKASG, PDAR, BRTR, BRTR, MLR, CLL, VRAC, MMAI, GERES, EKA, TXAR, VAE, LPAZ, SNET, CATAC, MLE, GCG, NEIC, IDC, ISC, Code, Station Name, Azimuth, Elevation, Phase, I, S, C, Time, Res.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, I, S, C, Time, Res. Includes stations like COEG, COEG, SNJE, TECO, TECO, PAVA, PAVA, UESV, UESV, NUBE, NUBE, NUBE, UNIC, UNIC, ALJI, ALJI, SCLA, SCLA, SCLA, LOAL, LOAL, LOAL, SLOZ, SLOZ, SLOSS, SLOSS, PACA, PACA, RANC, RANC, MTO3, MTO3, CNRM, CNRM, CNRM, ESQUI, ESQUI, ESQUI, ESQUI, LOND, LOND, LOND, F616, F616, CNCH, CNCH, CNCH, EESS, EESS, CSGN, CSGN, POTN, POTN, STG8, STG8, CHOH, CHOH, TGUH, TGUH, TGUH, CRIN, CRIN, CRIN, SOKI, SOKI, SOKI, RTAL, RTAL, RTAL, HERN, HERN, HERN, HOYN, HOYN, POLN, POLN, POLN, YUSH, YUSH, YUSH, CNGA, CNGA, CNGA, CNGN, CNGN, CNGN, MOMM, MOMM, COPN, COPN, LIMN, LIMN, MGAN, MGAN, BOAB, BOAB, PETF, PETF, CCGI, CCGI, CCGI, ACON, ACON, ESNP, ESNP, JTS, JTS, JTS, JTS, SOCE, SOCE, CMIG, CMIG, CMIG, BRDY, BRDY, BRDY, SAND, SAND, Y45A, Y45A, TX31, TX31, TXAR, TXAR, TXAR, Y49A, Y49A, GOGA, GOGA, BAUV, BAUV, ALPN, ALPN, MIAAR, MIAAR, W50A, W50A, APMT, APMT, APMT, SN07, SN07, SN07, PECS, PECS, CPCT, CPCT, POST, POST, POST, X34A, X34A, X34A, LCAR, LCAR, DKN5, DKN5, DKN5.

30d 23h

Table with columns: SJG, San Juan, 23.01 74, LR, LR, 22 50 49.6, etc. Lists various stations and their associated data.

30d 22:55:30.1 to 1.5, 30.78S x 178.08W, h0km, mb3.8/3, mbtmp3.9/4, ML3.4/1, Error ellipse: s-maj=41.7km

30d 22:55:35.2 to 1.3, 30.85S x 178.20W, h3, h46km, n9, $\pm 0.2$0.8, mb3.9, Kermadec Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Lists station codes and names.

FINES FINESSE Array B 145.50 340 PKPbc PKPab 23 15 07.7 -0.3

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Lists station codes and names.

30d 22:56:03.5 to 2.3, 10.41S x 108.26E, h0km, mb3.8/4, mbtmp3.8/4, MS2.8/1, Error ellipse: s-maj=138.9km

s-min=31.6km az=45.0, South of Jawa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Lists station codes and names.

30d 22:58:50.1 to 1.7, 52.07N x 31.92W, h0km, mb3.6/9, mbtmp3.6/10, ML4.0/1, MS3.1/7, Error ellipse: s-maj=53.0km s-min=18.9km az=9.0

30d 22:58:51.6 to 1.4, 52.11N x 31.91W, h1, h10km, n15, $\pm 0.44$1.0, mb3.7/8, MS3.1/6, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Lists station codes and names.

30d 23:09:10.7 to 1.3, 29.04N x 56.29E, h19km, mb4.3/15, Error ellipse: s-maj=8.8km s-min=6.2km az=87.5

30d 23:09:12.2 to 2.5, 29.20N x 56.30E, h10km, mb4.2/1, NEIC 30-23:09:12.2 to 2.5, 29.20N x 56.30E, h10km, mb4.2/1, mbtmp3.9/19, ML3.8/5, MS3.0/6, Error ellipse: s-maj=16.6km s-min=13.6km az=98.0

30d 23:09:17.0 to 1.0, 28.92N x 56.31E, h10km, mb4.6/17, mh4.2/14, Error ellipse: s-maj=1.9km s-min=1.1km az=40.0

30d 23:09:19.2 to 1.4, 29.39N x 56.14E, h30km, mb4.2/1, DSN 30-23:09:19.2 to 1.4, 29.39N x 56.14E, h30km, mb4.2/1, ML3.8/18, Error ellipse: s-maj=26.0km s-min=9.7km az=73.0

30d 23:09:12.1 to 0.4, 29.17N x 56.41E, h0.04, h10km, n206, ± 1.91/223, mb4.1/29, MS3.0/6, Phase ID

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Lists station codes and names.

1690 MDH Madha SNR=14 3.86 182 P Pn 23 10 13.3 +1.7

Table with columns: MDH, Madha, SNR=14, 3.86 182 P Pn, 23 10 13.3 +1.7. Lists station codes and names.

2019 MAY

Table with columns: Call sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like 1691 Batken, Karamyk, KOPF ASF, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like FINES FINES Array B, PZH PanZhiHua, HFS Hagfors, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like LPAZ Pontes e Lacer, AQBQ Aqoidauna, VILV Vilhena, etc.

31d 0h

NEIC 31 00:03:21.7z, 0.16, 29282N, 0:006:155:498W, 0:006, h11km, 2km, Error ellipse: s-maj=0.9km s-min=0.7km az=208.0

HVO 31 00:03:21.0z, 0.17, 19276N, 0:006:155:498W, 0:009, h8km, 3km, ML2.5/34, ML2.5/39(NEIC), Error ellipse: s-maj=1.3km s-min=0.8km az=113.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AIN Ainhau, HTO Hot Caves, KHU Kahuku, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CRIN, AMTN, APOZ, ABCN, ALLN, USIM, TSN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DQRL, HNTI, HNTI, BHL, QRWL, MMYC, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CVS, GWRM, GGUM, QRDG, MCCC, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDC, DAV, CMAR, WRA, ASAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NEIC, GDXM, GDXM, GGPM, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SNET, TECA, TECA, PACA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SCLA, TECO, UESV, etc.

IDC 31 00:31:07.8,1.4,29.98S,178.88W,h0km,mb3.7/3, mbmp3.7/3,Error ellipse: s-maj=49.8km s-min=43.6km az=28.0

WEL 31 00:32:04.2,1.0,32.2S,17.17W,2.8,h467km,35km, M4.3/8,ML4.6/8,ML4.9/9,MLV4.8/8,Mw(mb)3.8/8,Error ellipse: s-maj=39.5km s-min=16.1km az=116.4,confirmed

ISC 31 00:32:03.5,1.3,32.0S,0.1x179.0W,0.4,h500km,n30, a=132/38,mb3.3/3,Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WMGZ, HAZ, PKGZ, etc.

IDC 31 00:36:41.4,0.8,34.24N,82.93E,h0km,mb4.1/19, mbmp4.1/23,ML3.2/4,MS3.3/23,Error ellipse: s-maj=18.5km s-min=15.5km az=38.0

MOS 31 00:36:42.7,0.3,34.45N,82.98E,h12km,mb4.3/15,Error ellipse: s-maj=9.3km s-min=4.5km az=120.4

NDI 31 00:36:44.7,0.9,34.50N,83.00E,h10km,ML4.1,MW4.1 NEIC 31 00:36:44.6,1.9,34.48N,0.07,82.98E,0.08,h10km,mb4.3/31,Error ellipse: s-maj=12.2km s-min=10.7km az=188.0

ISC 31 00:36:44.3,0.4,34.38N,0.05,82.90E,0.04,h10km,n154, a=171/160,mb4.2/42,MS3.3/25,C7,Xizang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JOSI, KLP, DDI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KUDL, TARG, TARX, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ARLS, OHQ, WHH, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MAKZ, MAK3, KK31, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ZAAO, ZALV, BVAR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BRVK, BRVY, CHTO, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BELG, KIV, KIRV, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KIRS, MOS, OBN, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BRTR, BRTR, BRTR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KIEV, KIEV, KIEV, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MNSK, MNSK, MNSK, etc.

31d 1h

Code	Station Name	Δ ^z	AZ ^z	Phase ID	Time Res	ISC
FUORN	comp=Z,6.8nm,1.5s				00 46 43.2	
SENNIN	Lac Senin/Sane	56.77	307	P	00 46 29.3 +0.6	
SENNIN	comp=Z,9.6nm,1.4s				00 46 30.2	
MBAR	Mbarara	59.90	246	P	00 46 51.1 +0.1	
MBAR	Mbarara	59.90	246	P	00 46 51.1 +0.1	
MBAR	comp=Z,6.0nm,1.0s				00 46 53.3 -0.4	
EKA	comp=Z,4.3nm,0.9s				00 46 53.3 -0.4	
ESDC	Sonsecsa Array	66.89	303	P	00 47 35.5 -1.4	
B22K	Teshkhpuk Lake	68.06	18	P	00 47 44.4 +0.8	
TOLK	Toolik Lake	70.22	18	P	00 47 55.9 -1.2	
TOLK	comp=Z,2.7nm,0.8s				00 48 00.1	
F25K	Christian Rive	71.99	18	P	00 48 07.7 -0.2	
F25K	comp=Z,3.8nm,1.4s				00 48 22.5	
CAST	Castle Rocks	73.23	23	P	00 48 16.8 +1.5	
CAST	comp=Z,8.2nm,1.5s				00 48 42.1	
ILAR	Eielson Array	73.80	20	P	00 48 16.6 -2.0	
ILAR	comp=Z,0.8nm,1.2s,baz=325,slow=5.5,SNR=6.6				00 51 01.4 -1.1	
C36M	Paukutok	74.22	30	P	00 48 22.8 -0.9	
C36M	comp=Z,2.4nm,0.8s				00 48 24.0	
TORD	Torodi Ar. Bea	75.50	276	P	00 48 27.6 -1.6	
TORD	comp=Z,5.8nm,0.3s,baz=54,slow=4.7,SNR=1.7				00 48 31.6 -0.5	
I30M	Mount Demps	76.12	16	P	00 48 36.3	
I30M	comp=Z,4.0nm,1.4s				00 48 45.4 +1.2	
POGA	Pongola	78.22	225	P	00 49 04.5 +1.2	
YKAW3	Yellowknife Wh	82.37	8	P	00 49 04.5 -1.7	
YKAW3	comp=Z,1.8nm,0.9s				00 49 05.6	
YKA	Yellowknife Ar	82.44	8	P	00 49 05.3 -1.2	
YKA	comp=Z,1.0nm,0.9s				00 49 07.1 +0.6	
YKA	Yellowknife Ar	82.44	8	P	00 49 07.1 +0.6	
BOSA	Boshof	82.88	28	P	00 49 07.5 -2.6	
BOSA	comp=Z,3.7nm,0.8s,baz=42,slow=1.2,SNR=8.0				00 49 07.5 -2.6	
DBIC	Dimbokro	84.43	274	LR	01 33 24.7	
DBIC	comp=Z,6.0nm,2.0s,baz=168,slow=4.0					

CATAC 31 00:59:28.9-0.6, 13°N,3'-8'9W, h₂₅km, 3km, M3.8/17, MLV3.8/17, Error ellipse: s-maj=7.2km s-min=3.9km az=19.1, confirmed

SNET 31 00:59:30.0-0.6, 13°07'N,89°46'W, h₃₃km, 3km, M3.7, GC3 31 00:59:31.1-0.4, 13°15'N,89°49'W, h₄₈km, 11km, MD4.0, MW3.7

ISC 31 00:59:30.1±2.4, 13.03N:0.189:46W:0.07,h43km,n69,
e0607.0,18C-3D, El Salvador

Code	Station Name	Δ ^z	AZ ^z	Phase ID	Time Res	ISC
JAYA	Jayaque - finc	0.64	011P	Pn	00 59 42.4 -0.6	
JAYA	Jayaque - finc	0.64	011P	Op	00 59 51.3 -0.9	
JAYA	Jayaque - finc	0.64	011P	Op	00 59 42.3 -0.6	
JAYA	Jayaque - finc	0.64	011P	Op	00 59 42.4 -0.6	
PANCS	Alcaldia de Sa	0.66	24	Pn	00 59 42.7 -0.4	
PANCS	Alcaldia de Sa	0.66	24	Pn	00 59 42.5 -0.6	
PANCS	Alcaldia de Sa	0.66	24	Pn	00 59 52.2 -0.2	
ITCA	Escuela Especi	0.68	15	Pn	00 59 42.7 -0.8	
ITCA	Escuela Especi	0.68	15	Pn	00 59 43.2 -0.3	
ITCA	Escuela Especi	0.68	15	Pn	00 59 52.8 -0.3	
LOMA	Loma Larga	0.69	24	Pn	00 59 43.3 -0.5	
LOMA	Loma Larga	0.69	24	Pn	00 59 53.9 +0.6	
LOMA	Loma Larga	0.69	24	Pn	00 59 43.1 -0.5	
PMON	Piamonte	0.71	11	Pn	00 59 43.3 -0.5	
PMON	Piamonte	0.71	11	Pn	00 59 54.1 +0.3	
PMON	Piamonte	0.71	11	Pn	00 59 43.4 -0.5	
LFRES	El Faro	0.72	32	Pn	00 59 43.6 -0.3	
UEES	Universidad Ev	0.73	17	Pn	00 59 43.6 -0.5	
UEES	Universidad Ev	0.73	17	Pn	00 59 54.4 0.0	
UEES	Universidad Ev	0.73	17	Pn	00 59 43.7 -0.5	
BOGUER	Boqueron	0.74	12	Pn	00 59 44.4 -0.4	
IGN	Dirrecin Gen	0.76	22	Pn	00 59 52.2 -0.2	
IGN	Dirrecin Gen	0.76	22	Pn	00 59 55.4 +0.6	
PIC2	El Picacho	0.76	15	Pn	00 59 44.3 -0.3	
CEDA	San Andres	0.79	4	Pn	00 59 44.4 -0.4	
CEDA	San Andres	0.79	4	Pn	00 59 44.5 -0.4	
LA FUEN	La Fuente	0.81	35	Pn	00 59 45.7 -0.2	
COEG	Centro de Oper	0.83	42	Pn	00 59 44.9 -0.5	
COEG	Centro de Oper	0.83	42	Pn	00 59 56.3 -0.1	
COEG	Centro de Oper	0.83	42	Pn	00 59 44.9 -0.5	
LBR5	Las Brisas	0.83	29	Pn	00 59 45.4 0.0	
CEVE	Cerro Verde	0.83	349	Pn	00 59 45.1 -0.5	
CEVE	Cerro Verde	0.83	349	Pn	00 59 45.7 -0.2	
CEVE	Cerro Verde	0.83	349	Pn	00 59 45.3 -0.4	
TECO	Alcaldia de Te	0.84	51	Pn	00 59 45.1 -0.4	
TECO	Alcaldia de Te	0.84	51	Pn	00 59 45.0 -0.6	
TECO	Alcaldia de Te	0.84	51	Pn	00 59 56.4 -0.4	
SBL5	San Blas	0.84	348	Pn	00 59 45.2 -0.5	
PAVA	Las Pavas	0.86	36	Pn	00 59 57.7 -0.2	
PAVA	Las Pavas	0.86	36	Pn	00 59 57.8 +0.3	
PAVA	Las Pavas	0.86	36	Pn	00 59 45.7 -0.2	
SNJE	San Jose	0.87	350	Pn	00 59 45.5 -0.6	
UESV	Universidad de	0.90	46	Pn	00 59 58.0 -0.3	
UESV	Universidad de	0.90	46	Pn	00 59 58.4 +0.5	
NUBE	Las Nubes	0.94	340	Pn	00 59 46.3 -0.8	
NUBE	Las Nubes	0.94	340	Pn	00 59 46.3 -0.8	
NUBE	Las Nubes	0.94	340	Pn	00 59 58.8 -0.7	
NUBE	Las Nubes	0.94	340	Pn	00 59 46.3 -0.8	
UNIC	Universidad Ca	0.97	355	Pn	00 59 47.2 -0.7	
UNIC	Universidad Ca	0.97	355	Pn	00 59 47.5 0.0	
SCLA	Alcaldia de Sa	0.99	46	Pn	00 59 47.6 0.0	
SCLA	Alcaldia de Sa	0.99	46	Pn	00 59 47.6 0.0	
SCLA	Alcaldia de Sa	0.99	46	Pn	01 00 09.9 +0.5	
LOAL	Lomas de Alarc	1.03	342	Pn	01 00 03.4 +1.9	
SLOZ	Alcaldia de Sa	1.06	342	Pn	00 59 48.3 -0.3	
SLOZ	Alcaldia de Sa	1.06	342	Pn	01 00 11.9 +3.3	
SLOZ	Alcaldia de Sa	1.06	342	Pn	01 00 03.6 +1.4	
PACA	Pacayal	1.19	67	Pn	00 59 50.7 -0.3	
PACA	Pacayal	1.19	67	Pn	00 59 51.4 +1.0	
PACA	Pacayal	1.19	67	Pn	01 00 06.2 +0.6	
LCY	Lacayo	1.20	70	Pn	00 59 50.6 0.0	
RANC	El Ranchito	1.21	69	Pn	00 59 49.2 -1.5	
RANC	El Ranchito	1.21	69	Pn	01 00 05.3 -0.7	
BLLM	Bellamia	1.26	70	Pn	00 59 51.4 +0.1	
MTO3	Montecristo	1.39	4	Pn	00 59 53.0 -0.2	
MTO3	Montecristo	1.39	4	Pn	00 59 53.0 -0.2	
MTO3	Montecristo	1.39	4	Pn	01 00 11.3 +3.3	
MTO3	Montecristo	1.39	4	Pn	00 59 53.0 -0.2	
LCND	La Caada	1.55	79	Pn	00 59 55.4 +0.2	
CNCH	Conchagua	1.60	80	Pn	00 59 56.1 +0.1	
STG8	El Palmar, Qui	2.33	308	P	01 00 11.4 +5.2	

SNET 31 01:14:52.0-0.9, 13°49'N,88°44'W, h₈km, 4km, ML2.6
CATAC 31 01:14:55.1-0.3, 14°N,3'-8'9W, h₆km, 2km, ML2.5/10, MLV2.5/10, Error ellipse: s-maj=7.1km s-min=2.4km az=11.0, confirmed

ISC 31 01:14:56.0-0.8, 13°50'N:0.005:88:43W:0.02,h14km,n69,
n31,e0566/36,4C-1D, El Salvador

Code	Station Name	Δ ^z	AZ ^z	Phase ID	Time Res	ISC
TECA	Tecapa	0.08	269	Pg	01 14 57.5 +0.2	
TECA	Tecapa	0.08	269	Pg	01 14 57.5 +0.2	
TECA	Tecapa	0.08	269	Pg	01 14 57.5 +0.2	
PACA	Pacayal	0.10	105	Pg	01 14 58.2 +0.4	
PACA	Pacayal	0.10	105	Pg	01 15 00.3 +0.1	
PACA	Pacayal	0.10	105	Pg	01 14 58.3 +0.4	
LCY	Lacayo	0.15	120	Pg	01 15 01.7 +0.7	
RANC	El Ranchito	0.15	115	Pg	01 14 57.6 -0.9	
RANC	El Ranchito	0.15	115	Pg	01 15 00.4 -0.7	
RANC	El Ranchito	0.15	115	Pg	01 14 57.6 -0.9	
BLLM	Bellamia	0.15	106	Pg	01 14 57.9 +0.8	
ALJI	Alcaldia de J	0.22	20	Pg	01 15 01.8 +0.8	
ALJI	Alcaldia de J	0.22	20	Pg	01 15 01.5 +0.2	
CAHU	Calacuatique	0.34	37	Pg	01 15 02.2 -0.5	
TECO	Alcaldia de Te	0.35	277	Pb	01 15 02.3 -0.4	

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Code	Station Name	Δ ^z	AZ ^z	Phase ID	Time Res	ISC
TECO	Alcaldia de Te	0.35	277	S	01 15 07.6 -0.5	
TECO	Alcaldia de Te	0.35	277	S	01 15 02.4 -0.2	
SCLA	Alcaldia de Sa	0.36	305	i/P	01 15 02.6 -0.3	
SCLA	Alcaldia de Sa	0.36	305	i/P	01 15 02.8 -0.1	
UESV	Universidad de	0.38	292	eP	01 15 03.2 0.0	
UESV	Universidad de	0.38	292	eP	01 15 03.9 +0.1	
UESV	Universidad de	0.38	292	eP	01 15 09.1 +0.2	
COEG	Centro de Oper	0.46	286	S	01 15 04.8 +0.2	
PAVA	Las Pavas	0.54	293	eP	01 15 06.0 0.0	
PAVA	Las Pavas	0.54	293	eP	01 15 06.1 +0.1	
PAVA	Las Pavas	0.54	293	eP	01 15 14.2 +0.4	
LCND	La Caada	0.55	110	S	01 15 06.5 +0.4	
LCND	La Caada	0.55	110	S	01 15 13.4 -0.5	
LCND	La Caada	0.55	110	S	01 15 06.9 -1.2	
JAYA	Jayaque - finc	1.01	279	P	01 15 28.4 -0.2	
JAYA	Jayaque - finc	1.01	279	P	01 15 15.0 +0.4	
TGUH	Teguicgalpa,Un	1.25	63	S	01 15 18.4 +0.5	
TGUH	Teguicgalpa,Un	1.25	63	S	01 15 35.1 +0.5	
MTO3	Montecristo	1.28	315	S	01 15 35.6 +0.3	
MTO3	Montecristo	1.28	315	P	01 15 18.4 -0.3	
NUBE	Las Nubes	1.38	287	P	01 15 21.0 -0.1	

IDC 31 01:22:27.8±3.5, 15°84'S:177°41'W, h437km, 29km, mb3.2/3, mbmtp4,0/4, Error ellipse: s-maj=147.4km s-min=28.3km az=145.0

ISC 31 01:22:28.9±2.4, 15°78'S:08°17'6"W:0.6, h450km, n6,
e0537/p, mb3.4/3, Fiji Islands region

Code	Station Name	Δ ^z	AZ ^z	Phase ID	Time Res	ISC
MSVF	Nonsavu	4.63	243	Op	01 23 49.2 -0.7	
MSVF	25nm,0.4s,baz=36,slow=19,SNR=22				01 24 56.0 +0.2	
ASAR	Alice Springs	46.16	252	P	01 30 12.7 +0.7	
ASAR	2.6nm,0.4s,baz=90,slow=7.7,SNR=29					
ILAR	Eielson Array					

Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
SFJD	Kangerlussuaq	48.64	7 LR	LR		01 55 39.5	
NVAR	Minna Array Be	50.00	30.4	P		01 55 55.1 -0.8	
NVAR	Newport	51.07	37 LR	LR		01 57 17.8	
YKA	Yellowknife Arr	55.10	324 P	P		01 36 30.7 -2.2	
YKA	Yellowknife Ar	55.10	324 P	P		01 59 57.0	
ESDC	Sonsea Array	55.65	55 P	P		01 36 36.5 -0.9	
ESDC	Resolute Bay	57.85	351 LR	LR		02 01 03.5	
TORD	Torodi Arr Be	63.74	84 P	P		01 37 34.3 +0.9	
INK	Inuvik	64.51	337 LR	LR		02 04 27.9	
NOA	NORSAR Array B	66.93	31 LR	LR		02 03 41.7	
HFS	Hagfors	67.79	32 LR	LR		02 02 59.4	
ILAR	Eielson Array	69.49	30 LR	P		01 38 08.6 -0.6	
ILAR	VRANOV	70.09	43 LR	LR		02 05 37.6	
KDAK	Kodiak Island	72.86	326 LR	LR		02 12 10.1	
FINES	FINESS Array B	73.72	30 LR	LR		02 08 34.1	
MLR	Muntele Rosu	77.02	46 LR	LR		02 08 57.4	
BRTR	Keskin Array B	84.13	50 P	P		01 39 30.2 -2.3	
BELG	Belogornoye	87.81	35 LR	LR		02 15 36.9	
TIXI	Tiksi	88.93	30 LR	LR		02 22 16.7	
NRK	Nori'sk	89.50	10 LR	LR		02 19 14.7	
ARTI	Arti	90.88	28 LR	LR		02 16 52.4	
AKTO	Aktjubinsk	94.33	33 LR	LR		02 18 51.9	
ASAR	Alice Springs	162.11	252 PKPab	PKPab		01 47 50.8 +1.0	
MEX 31 01:32:33.0±0.7, 14°53N±92.0W, h83km±7km, MD4.0							
CGC 31 01:32:33.5±0.6, 14°35N±92.1W, h34km±5km, MD3.4							
ISC 31 01:32:26.0±2.2, 14°06N±0.09±2.36W±0.06, h24km±14km, n15, c29.09/2.9, Near coast of Chiapas							
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
RTAL	Retalhuleu	0.79	54	Op	Pn	01 32 44.5 +2.7	
RTAL	SMCA	0.84	19	eS	Sb	01 32 44.9 +1.5	
THIG	THIG	0.85	6	iS	Sb	01 32 52.5 -0.3	
THIG	STG8	1.05	68	iP	Pb	01 32 44.7 +2.2	
THIG	STG8	1.05	68	iP	Pb	01 32 46.5 +0.8	
PATR	PATR	1.06	6	eS	Sb	01 32 57.5 -1.6	
PAVE	PAVE	1.14	9	eS	Pb	01 32 47.1 +1.7	
PAVE	PAVE	1.14	9	eS	Pb	01 32 45.9 +0.3	
QUEO	QUEO	1.15	45	iP	Pb	01 32 59.0 -2.7	
QUEO	QUEO	1.15	45	iP	Pb	01 32 49.1 +1.7	
SOKI	SOKI	1.20	51	iP	Pb	01 33 01.7 -0.3	
ESSG	ESSG	1.52	78	iP	Pb	01 32 49.7 +1.4	
ESSG	ESSG	1.52	78	iP	Pb	01 33 03.0 -0.3	
FG16	FG16	1.80	83	iS	Sb	01 32 55.7 +2.7	
FG16	FG16	1.80	83	iS	Sb	01 33 11.6 -0.8	
PCIG	PCIG	1.83	333	eS	Pb	01 32 55.0 -0.9	
CCIG	CCIG	2.22	5	eS	Pb	01 33 18.3 +0.3	
CCIG	CCIG	2.22	5	eS	Pb	01 33 04.6 -1.0	
TGIG	TGIG	2.80	345	eP	Pb	01 33 26.2 -2.1	
TGIG	TGIG	2.80	345	eP	Pb	01 33 14.0 -1.5	
UXUV	UXUV	3.67	332	eP	Pb	01 33 41.5 -1.0	
UXUV	UXUV	3.67	332	eP	Pb	01 33 24.3 +3.0	
UXUV	UXUV	3.67	332	eP	Pb	01 34 02.7 -1.2	
IDC 31 01:48:41.8±1.3, 33°73N±81.04E, h0km, mb3.7/10, mbmp3.7/13, ML3.1/3, Error ellipse: s-maj=30.1km, s-min=23.7km, az=63.0							
ISC 31 01:48:46.1±1.0, 33°81N±0.1±81.3E±0.1, h35km, n17, c1959/18, mb3.9/10, Xizang							
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
AAK	Ala-Archa	10.34	331 Pn	Pn		01 51 48.4 -0.1	
MKAR	Makarachi Array	13.02	3 Pn	Pn		01 51 48.4 -0.1	
MKAR	MKAR	11.00	3.5, bazu=192, slow=14, SNR=4.8	Sn		01 54 13.3 +1.4	
KURB	Kurchatov Arra	16.95	354 Pn	Pn		01 52 39.9 -0.4	
ZALV	Zalesovo Beam	20.31	6 P	P		01 53 19.7 +0.9	
BVAR	Borovoye Array	20.76	341 P	P		01 53 23.5 -0.3	
CMAR	Chiang Mai Arr	21.93	130 P	P		01 53 38.9 +2.3	
AKTO	Aktjubinsk	23.84	321 P	P		01 53 54.8 -1.1	
BRTR	Keskin Array B	38.30	293 P	P		01 56 01.5 -1.9	
AKASG	Malin Array Be	41.19	310 P	P		01 56 25.6 -1.5	
MLR	Muntele Rosu	43.43	303 P	P		01 56 46.2 +0.6	
FINES	FINESS Array B	44.48	326 P	P		01 56 53.7 +0.1	
ARCES	ARCCESS Array B	46.95	337 P	P		01 57 14.0 +1.0	
NB2	NORSAR Subarra	51.58	324 P	P		01 57 49.1 +0.5	
NOA	NORSAR Array B	51.58	324 P	P		01 57 45.4 -3.2	
PETK	Petrovaylovsk	55.96	45 P	P		01 58 18.0 -2.6	
TORD	Torodi Arr Be	74.27	275 P	P		02 00 20.6 +0.5	
YKA	Yellowknife Ar	82.20	7 P	P		02 01 09.3 +0.9	
DJA 31 01:49:21.0±3.0, 2°N±2°12'7E±, h66km±7km, M4.0/10, mb5.4/2, mb4.7/2, MLV3.6/2, Phase ID 4.9/2, Halmager							
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
TNTI	Ternate	1.08	175 P	Pn		01 49 41.8 +1.3	
TNTI	TNTI	2.49	175 P	S		01 49 55.1 +0.2	
LBMI	Labuha	2.52	175 P	S		01 49 58.9 -0.5	
SGSI	Sanghe	2.52	316 P	S		01 49 59.1 -0.7	
SGSI	SGSI	2.52	316 P	S		01 50 29.5 +0.1	

Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
SANI	Sanana	4.09	198 P	Pn		01 50 20.1 -1.1	
LUWI	Luwuk	5.35	237 P	Pn		01 50 39.5 +1.1	
LUWI	LUWI	0.3nm±5m±1.0, 0.6s	S	Sn		01 51 39.1 +0.3	
MSAI	Masohi	5.43	162 P	Pn		01 50 39.2 -0.3	
JMA 31 02:04:47.8±0.2, 43°23N±10'8'14"7E±, h52km±2km, MV3.6/34, E OFF HOKKAIDO							
SKHL 31 02:04:48.0±0.5, 43°20N±14'7"10E, h55km±2km, mb6/6/4							
ISC 31 02:04:48.1±2.0, 43°25N±0.09±147.04E±0.09, h45km±35km, n19, c964/34, Kuril Islands							
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
SHO	Shikotan	0.64	346 iP	Pn		02 05 01.1 +0.3	
SHO	SHO	770nm, 0.3s	A	A		02 05 01.6	
SHO	SHO	770nm, 0.3s	iS	Sn		02 05 10.6 +0.6	
SHO	SHO	2µm, 0.3s	A	A		02 05 11.5	
NEM2	Nemuro 2	0.95	277 iP	Pn		02 05 04.7 -0.4	
NEM2	NEM2	2µm, 0.3s	eS	Sn		02 05 17.4 -0.1	
NMR	Nemuro-Hokkai	0.96	278 iP	Pn		02 05 04.7 -0.5	
NMR	NMR	2µm, 0.3s	iS	Sn		02 05 17.2 -0.5	
YUK	Yuzh-Kuril'sk	1.16	313 iP	Pn		02 05 07.5 -0.4	
YUK	YUK	490nm, 0.4s	AMB	AMB		02 05 08.3	
YUK	YUK	1µm, 0.3s	iS	Sn		02 05 22.1 -0.4	
YUK	YUK	980nm, 0.3s	A	A		02 05 25.7	
YUK	YUK	1µm, 0.3s	A	A		02 05 25.7	
GLVR	Golovinno	1.21	294 eP	Pn		02 05 08.3 -0.2	
GLVR	GLVR	340nm, 0.3s	AMB	AMB		02 05 08.6	
GLVR	GLVR	610nm, 0.3s	iS	Sn		02 05 24.2 +0.5	
GLVR	GLVR	1µm, 0.3s	A	A		02 05 27.2	
JKHN	Kushirohomanak	1.39	264 P	Pn		02 05 11.0 +0.1	
JKHN	JKHN	1µm, 0.3s	eS	Sn		02 05 27.8 -0.2	
JRA	Rausu	1.55	297 P	Pn		02 05 13.3 +0.1	
JRA	JRA	1µm, 0.3s	eS	Sn		02 05 32.3 +0.1	
JNSB	Nemuroshibetsu	1.57	290 eP	Pn		02 05 13.5 0.0	
JNSB	JNSB	1µm, 0.3s	eP	Pn		02 05 32.3 +0.6	
AKK	Akakeshi	1.62	263 eP	Pn		02 05 14.0 -0.2	
AKK	AKK	1µm, 0.3s	eS	Sn		02 05 33.2 -0.7	
JNK	Nakash	1.72	282 P	Pn		02 05 15.1 -0.5	
JNK	JNK	1µm, 0.3s	eS	Sn		02 05 35.5 -0.8	
JAK	Akakeshi	1.73	262 P	Pn		02 05 15.5 -0.2	
JAK	JAK	1µm, 0.3s	eP	Pn		02 05 30.9 +0.8	
KUR	Kuril'sk	2.07	16 eP	Pn		02 05 20.2 -0.1	
KUR	KUR	20nm, 0.4s	AMB	AMB		02 05 21.6	
KUR	KUR	90nm, 0.2s	iS	Sn		02 05 44.0 -0.9	
KUR	KUR	60nm, 0.2s	A	A		02 05 46.4	
JOB	JOB	0.25	263 eP	Pn		02 05 24.5 0.0	
JOB	JOB	1µm, 0.3s	eS	Sn		02 05 51.2 -1.1	
JTKR	Abashiri-Toko	2.39	289 eP	Pn		02 05 25.3 +0.7	
JTKR	JTKR	1µm, 0.3s	eS	Sn		02 05 53.4 +0.8	
JAR	Ashuroboto	2.39	272 P	Pn		02 05 24.9 +0.2	
JAR	JAR	1µm, 0.3s	eP	Pn		02 05 52.9 +0.1	
JCH	Churui	2.77	258 eP	Pn		02 05 30.9 +0.8	
JMP	Maruseppu	2.78	287 eP	Pn		02 05 30.8 +0.7	
JEM	Erumo	3.12	248 eP	Pn		02 05 36.3 +1.6	
JNBK	Urakawa-nobuka	3.30	254 P	Pn		02 05 37.4 +0.2	
BEO 31 02:09:10.4±0.2, 44°23N±17°39E, h6km±3km, ML2.3/17							
RHSSO 31 02:09:10.8±0.2, 44°16N±17°39E, h6km±3km, ML2.5/17							
NEIC 31 02:09:11.3±1.9, 44°17N±17°05E±17°39E±0.08, h12km±6km, ML2.6/24, Error ellipse: s-maj=9.3km, s-min=6.6km, az=57.0							
PDG 31 02:09:11.8±0.8, 44°21N±17°42E, h0km±11km, ML2.7/11, Error ellipse: s-maj=1.9km, s-min=2.6km, az=50.0							
ISC 31 02:09:10.2±1.1, 44°18N±0.01±17°41E±0.01, h5km±9km, n108, c080/185, 25C-6D, Northwestern Balkan Peninsula							
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ $^{\circ}$	Phase	ID	Time	Res
BLY	Banja Luka	0.59	344 Op	Op		02 09 47.9 +0.6	
BLY	BLY	0.59	344 eSg	Sg		02 09 30.3 +1.1	
BLY	Banja Luka	0.59	344 eP	Pb		02 09 22.4 -0.6	
BLY	BLY	0.59	344 eSg	Sg		02 09 30.9 -0.8	
SLAT	Slatina	0.65	353 iP	Pg		02 09 22.3 -0.4	
A050A	A050A	0.70	296 iP	Pg		02 09 24.2 +1.0	
A050A	A050A	0.70	296 iP	Pg		02 09 32.6 -0.1	
RICI	Ricice	0.72	19				

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Nonsavu, Mont Dzumac, Raoul Island, Honiara, Ureweta, Rarotonga, Port Moresby, Papeete, Stephens Creek, Jayapura, Warramunga Arr, Alice Springs, Fitzroy Crossi, Narrogin (SRO), Davao City (W), Kappang, Vanda, Hachijo jima 2, Tagayay City, Kungimi, Katsushiro Arr, Nakatsue, Lembang, Asahikawa, Shemais Ala, Korea Array, South Pole Qui, QSPA, PETK, USRUK, Kuldur, PSI, KDAA, MA2, PFG, LPO, NVAR, CMAR, BBB, PMSA, ELK, ILAR, YAK, NEW, ANMO, TXAR, SONM, SNA, PDAR, PDAR, CMIG, PLCA, TIXI, PALK, BRTR, GERES, TORD.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like San Pablo de B, NORC, El Rosal, PUERTO BERRIO, Guyana, Cruz Verde, Chingaza, La Rusia, Barichara.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Santa Ana, Ciudad Bolivar, Villavicencio, Zaragoza, Ortega, Prado, La Uribe, Meta, Pamplona, San Jos de Ur, Yotoco, Valle, Puerto Gaitan, Tame, Arauca, Garzon, Huila, Popayan, Capurgana, San Jacinto, Carrejon, Guaj, Uribia, Colomb.

NAO 31 02:53:15.3±1.9, 79°35'N; 2°52'E, ML4.0
IDC 31 02:53:17.8±0.9, 79°25'N; 2°18'E, h0km, mb3.4/8,
mbmp3.6/12, ML2.9/3, MS3.2/15, Error ellipse:
s-maj=25.9km s-min=14.4km az=39.0
BER 31 02:53:19.6±4.5, 79°30'N; 2°50'E, h26km±17km, mb(Pn)4.1,
ML4.0(N/AO), Confirmed Earthquake
KOLA 31 02:53:19.1, 79°45'N; 3°18'E, h0km, ML2.7, Error ellipse:
s-maj=39.5km s-min=19.2km az=30.0, Greenland
sea, Knipovich ridge, north
DNK 31 02:53:20.1±2.7, 79°25'N; 2°91'E, h36km±20km, ML2.5
FCIAR 31 02:53:21.0, 79°11'N; 3°63'E, h10km, station ZF12 has
station magnitude of 3.90 station OMEGA has station
magnitude of 3.80

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kingsbay, Barentsburg, Spitsbergen Ar, Hornsund, Danmarks Havn, Hopen, Daneborg, Zemlya Franca, Omega, North Greenlan, Scoresbysund, ARCES Array S, ARCES Array S, ARCES Array S.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARCES ARCESS Array B, SUMG Summit, SUMG Summit, NORARSAR Array B, Kangaroo, SFJD, LSH, FINES, HFS, HFS, RES, RES, NRIK, AKASO, MODS, YKA, BVAR, ILAR, KURBB, BRTR, MKAR, ULM, SONM, NEW, PDAR, ANMO, TXAR, TORD, LPIG, CMAR, SDV, ATAH.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NEIC 31 03:06:04.3±0.3, 37°35'N; 0°02'±98°13'W, KAN12, KAN08, KAN05, KAN05, KAN01, KAN14, KAN17, KAN09, GC02, KAN13, KAN13, CROK, CROK, NOKA, NOKA, OK038, R32A, R32A, R32A, T35A, CBKS, DEBOK, WMOK, RLO, SMWD, U38A, HHAR, P38A, DKNS, MIAR, MGMO, SN07, T25A.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Includes stations like KSP Ksiaz, CHVC Chvalec, OSTC Oostas, UPJC Ujpec, DPC D Bruska-Polom, PIVO Bartovisce, PVCC Panska Ves, BRG Bergjissel, KRLC Kraliky, RYBC Ceska Rybna, PRA Prague, GOPC GO Pecny, PRU Pruhoonice, STEB Steborice, HSKC Hora Svate Katy, CLL Colim, MORC Moravsky Berou, MORC Moravsky Berou, MORC Moravsky Berou, OKC Ostrava-Krasne, VRAC Vranov, ZVC Zvikov, KRUC Moravsky, NKC Novy Kostel, OJC Ojcow, JAVC Velka Javorina, KHC Kasperske Hory, CKRC Cesky Krumlov, LANS Liptovska Anna, MODS Modra-Piesok, NIE Niedzica, VYHS Vyhne, CONA Conrad Observa, CONA Conrad Observa, RONA Rosalia, MOA Molin, LESA Schwarzeleal, KOLS Kolonicke sedl, KBA Koelnbreinsper, SOKA Soboth, OBKA Obir.

IDC 31 03:54:05.2.6.5, 19.433S;176.89W, h316km, 4.7km, mb3.0/5, mbmp3.7/6, Error ellipse: s-maj=124.9km s-min=23.2km az=151.0

ISC 31 03:54:09.0.1.7, 18.9S;0.5=177.2W;0.2, h350km, n7, a152.7, mb3.1/5, Fiji Islands region

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsava, WRA Warramunga Arr, ASAR Alice Springs, NVAR Mina Array Bea, TXAR Lajitas Array, ILAR Eielson Array, BRTR Keskin Array B.

IDC 31 03:57:54.0.14.0, 18.10S;167.22E, h0km, mb3.8/3, mbmp3.9/4, ML3.8/1, Error ellipse: s-maj=237.2km s-min=39.4km az=70.0

NOU 31 03:57:57.9, 18.37S;168.106E, h36km, ML4.5/1.1, Vanuatu Islands

ISC 31 03:57:51.4.1.4, 18.68S;0.06, 168.11E;0.2, h10km, n13, a131.1/4, mb3.9/3, Vanuatu Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Includes stations like DVP Devils Point, VLAKA Lakatoro, SANVU Sarautou, YATNC Marnie plateau, YATNC Marnie plateau, DZM Mont Dzumac, ONTNC Ouen Toro, ONTNC Ouen Toro, PINNC Pines Island, PINNC Pines Island, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs.

IDC 31 04:08:49.5.0.8, 23.38N;142.40E, h132km, 7km, mb3.8/17, mbmp4.2/21, Error ellipse: s-maj=18.0km s-min=10.4km az=83.0

NEIC 31 04:08:53.7.1.6, 23.55N;10.142.3E;0.2, h150km, 8km, mb4.5/31, Error ellipse: s-maj=23.2km s-min=14.1km az=95.0

ISC 31 04:08:52.5.0.6, 23.56N;0.07, 142.3E;0.1, h150km, n65, a195.1/61, mb4.3/34, Volcano Islands region

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Includes stations like JCJ Chichijima, JCJ Chichijima, JCJ Chichijima, JHJ Mitsune, JHJ Hachijo jima 2, JHJ Hachijo jima 2, JHJ Hachijo jima 2, JGF Kuroka, MJAR Matsushiro Arr, JMM Marumori, TJN Taron, KSRS Korea Array, USRK Utsunivsk Arr, H1N1 WAKE ISLAND Hy, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, SONM Songo Array, CMAR Chiang Mai Arr, WB0 Warramunga Arr, WB0 Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, BILL Bilibino, ASAR Alice Springs, ASAR Alice Springs, P08K Saito George I, EVN Everest, ZAAO Zalesovo Array, ZAAO Zalesovo Array, ZALV Zalesovo Beam, MKAR Makanchi Array, MAKZ Makanchi, KURK Kurchatov, KURK Kurchatov, KURB Kurchatov Arr, NRIK Noril'sk, NRIK Noril'sk, NRIK Noril'sk, OHAK Old Harbor, ILSW Iliamna South, BOOM Boomskeusch, RED Redoubt Volcan, J20K Nowinta River, MORW Morawa, CAST Castle Rocks, NIL Nilore, NIL Nilore, H24K Noodor Dome, BVAR Borovoye Array, BRVK Borovoye, ILAR Eielson Array, KK31 Karatay Array, KK31 Karatay Array, KKAR Karatay Array, KKAR Karatay Array, SCRK Sand Creek, J26L Joseph Creek, SIMJ Simigan, G31M Satah River, G31M Satah River, AB31 Akkutak array.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Includes stations like ABKAR Akbulak array, YKA Yellowknife Arr, ARCES ARCES Array B, KBZ Khabaz, FIA1 FINESS Array S, FINES FINESS Array B, ILON Igloolik, NUNA Mina Array Bea, SUMG Summit, AKASO Malin Array Be, HFS Hagfors, PLCA Paso Flores, LPAZ La Paz.

IDC 31 04:14:54.4.1.0, 23.54S; 179.56E, h52km, 8.1km, mb3.3/6, mbmp4.3/7, Error ellipse: s-maj=113.5km

ISC 31 04:14:57.2.0.2, 23.8S;0.2, 179.4E;0.3, h550km, n7, a120.8/3, mb3.7/6, South of Fiji Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, ASAR Alice Springs, WRA Warramunga Arr, VNSA Vanda, QSPA South Pole Qui, MAW Masawa, SNAA Snares.

IDC 31 04:15:58.6.1.0, 27.62N;56.46E, h0km, mb3.8/13, mbmp3.8/13, ML2.4/1, Error ellipse: s-maj=24.3km s-min=20.1km az=61.0

DSN 31 04:16:01.0.0.9, 27.67N;56.62E, h0km, ML3.5/10, Error ellipse: s-maj=14.9km s-min=7.4km az=94.0

TEH 31 04:16:01.1, 27.55N;56.58E, h20km, mb4.6/6, OMAN 31 04:16:01.4, 1.5, 27.55N;56.78E, h10km, mb4.6/6, mb3.6/17, Error ellipse: s-maj=12.1km s-min=8.3km az=28.0

ISC 31 04:16:01.0.1.1, 27.62N;0.03, 56.64E;0.04, h16km, 7km, n83, a190/101, mb3.6/13, Southern Iran

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, ISC. Includes stations like IBND Bandar-abbas, BNDS Bandar-Abbas, KHJN Khanjoo, SHME Shamm, SHME Shamm, SHME Banah, BANOM Banah, BANOM Banah, BANOM LAR, NGRK Negar Kerman, KBAM BAM, MASF Masafi, MASF Esma-Masafi, MDH Madha, MDH Madha, KRBR Kerman, CHM Cheshme madani, UOSS Minazif, UOSS Minazif, UOSS Minazif, KHGB Koh Gabri, HATD Hatta, KRMI Kerman Provinc, ASHO Ashiyah, ASHO Ashiyah, ASHO Ashiyah, FAQ Al Faqa, Dubai, FAQ Al Faqa, Dubai, ASUD Al Ashush, Dub, ASUD Al Ashush, Dub, ZRDN Zarand Kerman, SOHO SOHO, ALNE Al Ain, ALNE Al Ain, CHBR Chabahar, HQO Hoqain, HQO Hoqain, HQO Hoqain, HQO Zahedan, IMEH Mehriz, ARAQ Araqi, BIDO Bidbid, BIDO Bidbid, JRN JRN, JRN JRN, NGCH Negor - Chabah, SMDO Samad, SMDO Samad, WSAR Wadi Sarin, WSAR Wadi Sarin, WSAR Wadi Sarin, WSAR Wadi Sarin, WSAR Wadi Sarin, DSBU Dashti - Bushe, BSRN Basiran, BSY Bisya, ICHK Chekchek.

31d 5h

2019 MAY

1698

Table of station data for 31d 5h, listing stations like SRVN Saravan, IKOO Kooshah, SHMA Al-Shehemia, etc., with columns for station name, time, and other parameters.

Table of station data for 2019 MAY, listing stations like GCPR Guaynabo City, PCRV Puerto La Cruz, PCRV Puerto La Cruz, etc., with columns for station name, time, and other parameters.

Table of station data for 1698, listing stations like GCPR Guaynabo City, PDRR Patillas Dam, PDRR comp=E,30nm,0.5s, etc., with columns for station name, time, and other parameters.

ADC 31 04:24:47.2,2.6, 15:07N,60:27W, h37km, 23km, mb3.6/8, m1btp4.013, ML3.5/5, MS3.0/8, Error ellipse: s-maj=24.7km s-min=13.3km az=90.0

ISC 31 04:24:48.0,1.1, 15:06N,03:30:40W,0.06, h44km±10km, n91, r1931/111, mb4.1/12, MS3.1/5, 3D, Leeward Islands

ADC 31 04:25:13.8,0.8, 13°N,4°8'9"W, h22km, 5km, M2.9/11, m1v2.9/11, Error ellipse: s-maj=8.8km s-min=5.2km

GC 31 04:25:15.0,3.3, 13°09N,89°53W, h56km, 11km, MD3.5, ISC 31 04:25:14.3,2.7, 13°09N,01:49:47W,0.08, h43km, n30, 0.67/31, Off coast of central America

CATAC 31 05:03:55.1,0.7, 13°N,4°9'0"W, h27km, 5km, M3.3/10, mb4.1/1, mb5.2/1, MLV2.9/10, Mw(mb)4.6/1, Error ellipse: s-maj=9.6km s-min=6.7km az=34.1, confirmed, El Salvador

Table of station data for CATAC 31 05:03:55.1,0.7, 13°N,4°9'0"W, listing stations like JAYA Jayaque - f, PMON Piamonte, etc., with columns for station name, time, and other parameters.

JMA 31 05:04:36.6,0.3, 46°N,2°14'3"E, h331km, 2km, MV3.2/23, NE OFF HOKKAIDO

ISC 31 05:04:37.3,0.6, 45°37'N, 143°15'E, h326km, 7km, mb3.0/11, m1btp3.7/16, Error ellipse: s-maj=14.6km s-min=12.2km az=125.0

SKHL 31 05:04:37.9,0.4, 45°70'N, 143°50'E, h321km, 1km, mb4.7/5, msha5.4/3

ISC 31 05:04:36.9,0.6, 45°74'N, 0°07'143.36E, h327km, 6km, n31, r121/42, mb3.2/11, Hokkaido region

Table of station data for SKHL 31 05:04:37.9,0.4, 45°70'N, 143°50'E, listing stations like JSE Soyeha, JWK2 Koihoku, etc., with columns for station name, time, and other parameters.

Table of station data for 31d 5h, listing stations like ILAM Ilet Lapin Mar, MPOF Morne Pois Mar, HOSS1 Guadeloupe/Mar, etc., with columns for station name, time, and other parameters.

Table of station data for 2019 MAY, listing stations like LCO Las Campanas, CO03 El Pedregal, etc., with columns for station name, time, and other parameters.

ADC 31 04:25:13.8,0.8, 13°N,4°8'9"W, h22km, 5km, M2.9/11, m1v2.9/11, Error ellipse: s-maj=8.8km s-min=5.2km

GC 31 04:25:15.0,3.3, 13°09N,89°53W, h56km, 11km, MD3.5, ISC 31 04:25:14.3,2.7, 13°09N,01:49:47W,0.08, h43km, n30, 0.67/31, Off coast of central America

Table of station data for GC 31 04:25:15.0,3.3, 13°09N,89°53W, listing stations like JAYA Jayaque - f, JAYA Jayaque - f, etc., with columns for station name, time, and other parameters.

RSPR 31 04:40:19.3, 19°23N,64°42W, h82km, 21km, MD3.5/12, NEIC 31 04:40:19.2,1.4, 19°23N,01:46:41W,0.08, h35km, 2km, ML2.5/18, Md3.5/12(RSPR), 12C, Error ellipse: s-maj=27.6km s-min=3.1km az=151.0, Virgin Islands

Table of station data for RSPR 31 04:40:19.3, 19°23N,64°42W, listing stations like HUMP Col San Antoni, HUMP Col San Antoni, etc., with columns for station name, time, and other parameters.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PDAR Piedonale Array, TXAR Lajitas Array, and various other observatory sites.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like FAME Alcaidia de Sa, SCLA Alcaidia de Sa, and various other sites.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like YSS comp=N,200nm,13.0s, YSS Yuzhno-Sakhalin, and various other sites.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GCG 31 05:13:17.1-0.5, SNET 31 05:13:17.6-0.8, and various other sites.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MOS 31 05:27:06.2-1.3, SKHL 31 05:27:08.5-0.2, and various other sites.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like N15K Kwethluk River, H17K Granite Moutai, and various other sites.

31D 6h

Table with columns: HTD, Haines Junction, 47.80, 40, P, P, 05 35 43.0 +1.3, 05 35 44.1, 05 35 51.2 +1.4, 05 35 51.2 -1.2, 05 36 04.8 +0.1, 05 36 27.2 -0.6, 05 36 43.4 +0.3, 05 36 43.4 -0.3, 05 36 47.6 -0.4, 05 36 47.6 -0.4, 05 36 51.2 -0.1, 06 03 46.1, 05 37 07.8 -0.6, 05 37 15.4 -1.0, 05 37 28.5 -1.0, 05 37 31.3, 05 37 43.5 +0.1, 05 38 03.6, 05 37 43.5 +0.1, 05 37 44.9 -0.2, 05 37 44.3 -0.7, 05 37 54.3 -0.1, 05 37 54.3 -0.1, 05 37 59.3 -0.1, 05 37 59.3 -0.1, 05 38 11.5 +1.1, 05 38 14.2 -0.4, 05 38 15.1 -0.7, 05 38 15.3 -0.5, 06 14 16.0, 05 38 15.6 -0.5, 05 38 24.8 -0.8, 05 38 28.2 -1.0, 06 17 11.7, 05 39 06.2 +0.2, 06 17 40.8, 05 39 36.0 +0.5, 06 12 56.7, 08 27 38.9, 08 27 43.0, 08 27 43.8

SNET 31 05:46:04.0, 6.0, 8.13°05N:89°40'W, h47km, ML4.3, ML4.5
CATIC 31 05:46:04.2, 0.5, 13°N:3°8'9W, h27km,3km, M4,6/25,
ML4.6/25, Error ellipse: s-maj=6.3km s-min=3.4km
az=26.3, confirmed

GCG 31 05:46:05.0, 0.6, 13°16'N:89°46'W, h49km, 12km, MD4.3,
ML3.6, MW3.6
IDC 31 05:46:05.1, 2.2, 13°63'N:88°9'W, h41km, 29km, mb3.6/7,
mbmp3.8/9, ML3.7/2, MS3.1/3, Error ellipse: s-maj=39.1km
s-min=12.0km az=41.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PANCS Alcala de, JAYA Jayaque - finc, UTEC Universidad Te, etc.

2019 MAY

Table with columns: ALJI Alcala de J, SCLA Alcala de Sa, NUBE Las Nubes, UNIC Universidad Ca, TECSA Tecapa, etc. Includes stations like ALJI Alcala de J, SCLA Alcala de Sa, NUBE Las Nubes, UNIC Universidad Ca, TECSA Tecapa, etc.

CATIC 31 06:19:18.4, 0.5, 13°N:3°8'9W, h26km,3km, M3.4/21,
MLV3.4/21, Error ellipse: s-maj=4.6km s-min=3.0km
az=38.6, confirmed

SNET 31 06:19:19.3, 0.8, 13°06'N:89°49'W, h39km,30km, ML3.4
GCG 31 06:19:20.1, 0.6, 13°14'N:89°55'W, h50km, 11km, MD4.0
ISC 31 06:19:31.1, 6.1, 13°06'N:0°06:89.44'W, h25km, 13km,
n84, +076/90, 10C-3D, El Salvador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JAYA Jayaque - finc, PANCS Alcala de, UTEC Universidad Te, etc.

1700

Table with columns: UNIC Universidad Ca, SCLA Alcala de Sa, TECA Tecapa, etc. Includes stations like UNIC Universidad Ca, SCLA Alcala de Sa, TECA Tecapa, etc.

GCG 31 06:26:55.9, 0.3, 13°13'N:89°52'W, h62km, 7km, MD3.5
CATIC 31 06:26:55.1, 0.6, 13°N:3°8'9W, h25km,3km, M3.0/15,
MLV3.0/15, Error ellipse: s-maj=7.4km s-min=4.5km
az=27.6, confirmed

SNET 31 06:26:56.0, 0.8, 13°14'N:89°40'W, h55km, 12km, ML2.9
ISC 31 06:26:56.0, 0.3, 13°02'N:1°18'45'W, h34km, 3km, n65,
+052/69, 2C, El Salvador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JAYA Jayaque - finc, PANCS Alcala de, UTEC Universidad Te, etc.

BER 31 06:31:31.4, 3.8, 82°11'N:5°07'W, h22km, 35km, mb(Pn)3/7,
ML2.0(DNK), Confirmed Earthquake
DNK 31 06:31:31.8, 2.4, 82°11'N:5°07'W, h36km, 21km, ML2.0
ISC 31 06:31:24.0, 0.9, 82°14'N:0°07:47'W, h10km, n16,
+350/29, North of Svabard

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NOR Nord, KBS Kingsbay, etc.

31d 6h

Table with columns for location, coordinates, and various status indicators (P, S, Pmax, etc.). Includes entries like PTSP Port Pirie, TATO Taipei, HTT Hallett, etc.

2019 MAY

Table with columns for location, coordinates, and various status indicators. Includes entries like HYB Everest, EVN Dalian, DL2 Dalian, etc.

1702

Table with columns for location, coordinates, and various status indicators. Includes entries like MSVF Nonsavu, MSVF Kashi, KSH Kashi, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like JMDO, SMDO, BIDO, KK31, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MA2, TRNA, BVAR, BVAR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like ELIB, KIROV, NIKH, etc.

31d 6h

Table with columns for station ID, name, elevation, and various data points. Includes stations like CHNA Chernabura Isl, C16K Lisburne Hills, and AK10 Malin Array Si.

2019 MAY

Table with columns for station ID, name, elevation, and various data points. Includes stations like CFR Carcaliu, GCSA Galena City Sc, and AKASG comp=Z, 2.8nm, 0.7s.

1704

Table with columns for station ID, name, elevation, and various data points. Includes stations like H22K Ishtalitna Cre, BRSE Bradley Lake S, and AKASG comp=Z, 2.8nm, 0.7s.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like L27K, M27K, E28K, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MCD, ESY, HPK, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like CMIG, TXAR, JTS, etc.

31d 7h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various meteorological stations and their data points.

VAO 31 07:24:55.0±0.6, 18.85S:69.60W, h10km, mb4.8
SJA 31 07:25:07.3±0.7, 18.71S:69.42W, h138km, 4km, ML4.4,
MW4.3

NEIC 31 07:25:09.8±1.2, 18.68S:0.04:69.35W±0.07, h120km, 5km,
mb4.8/59, ML4.3(GUC), Error ellipse: s-maj=9.7km

GUC 31 07:25:10.7±0.8, 18.72S:69.37W, h116km, 5km, ML4.3
IDC 31 07:25:10.8±0.6, 18.62S:69.11W, h128km, 5km, mb4.1/11,
mbmp4.5/13, Error ellipse: s-maj=17.2km s-min=9.5km

ISC 31 07:25:09.2±0.4, 18.70S:0.03:69.26W±0.05, h123km, 4km,
h124km, pP-N, n178, e143/192, mb4.7/36, 2C, 2D, North

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various meteorological stations and their data points.

2019 MAY

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various meteorological stations and their data points.

1706

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various meteorological stations and their data points.

Table with columns: UNIC, NUBE, LCV, RANC, LOAL, LOAL, BLM, SLOZ, SLOZ, CNRM, CAHU, MTO3, MTO3, LCND, LCND, CNCH, CNCH, ESQI, ESQI, CSGN, CG16, CG16, POTN, POTN, STGB, ILCN, CNGA, CNGN, CNGN

IDC 31 07:36:46.1±0.8, 15:25N-105:42W, h0km, mb4.2/13, mbtmp4.2/15, ML3.6/2, MS4.6/56, Error ellipse: s-maj=31.4km s-min=13.8km az=59.0

Code Station Name Az° AZ° Op Phase ID ISC h m s ISC Time Res

Table with columns: Code, Station Name, Az°, AZ°, Op, Phase ID, ISC, h, m, s, ISC, Time, Res

Table with columns: BRDY, BRDY, Jarrell, Jarrell, HKT, HKT, ODSA, ODSA, CLNB, CLNB, CLN7, CLN7, TUCSON, TUCSON, SN05, SN05, ABTX, ABTX, POST, POST, WHTX, WHTX, WHTX, WHTX, SN07, SN07, FW13, FW13, PLPT, PLPT, FW07, FW07, 237A, 237A, DKSNS, DKSNS, MSTX, MSTX, SBM, SBM, FW03, FW03, Y22D, Y22D, BNM, BNM, FW06, FW06, NATX, NATX, 113A, 113A, Z35A, Z35A, WTF5, WTF5, ANMO, ANMO, ANMO, ANMO, ANMO, ANMO, X18A, X18A, AMTX, AMTX, X16A, X16A, Y14A, Y14A, WMOK, WMOK, JTS, JTS, JTS, JTS, X34A, X34A, BLYC, BLYC, WUAZ, WUAZ, WUAZ, WUAZ, PFO, PFO, PFO, PFO, CSTR, CSTR, WLAR, WLAR, ELIS, ELIS, 143A, 143A, W13A, W13A, MIAR, MIAR, OK038, OK038, NOKA, NOKA, SDCO, SDCO, UALR, UALR, PV16, PV16, PV21, PV21, PV21, PV21, O20A, O20A, O20A, O20A, X48A, X48A, CCM, CCM, CCM, CCM, JULU, JULU, JULU, JULU, NVAR, NVAR, NVAR, NVAR, 154A, 154A, SIUC, SIUC, SIUC, SIUC, WAKR, WAKR, BGRU, BGRU, GOGA, GOGA, GOGA, GOGA, T47A, T47A, T47A, T47A, ELK, ELK, N38A, N38A, SIUC, SIUC, PDAR, PDAR, TKL, TKL, HLID, HLID, Y15E, Y15E, O48B, O48B, O48B, O48B, OTAV, OTAV, OTAV, OTAV

Table with columns: ROSC, ROSC, AAM, AAM, SDV, SDV, SDV, SDV, NEW, NEW, ATAH, ATAH, ULM, ULM, ULM, ULM, SADO, SADO, BAUV, BAUV, SADO, SADO, NNA, NNA, CZSB, CZSB, CZSB, CZSB, PCRV, PCRV, TBGT, TBGT, BBB, BBB, TAOE, TAOE, V35K, V35K, CRAG, CRAG, T35M, T35M, TADM, TADM, WRAK, WRAK, U33K, U33K, S34M, S34M, KOTAM, KOTAM, DLBC, DLBC, DLBC, DLBC, BEAVL, BEAVL, SIT, SIT, YKA, YKA, YKA, YKA, S32K, S32K, R33M, R33M, S2ML, S2ML, S2ML, S2ML, LPAZ, LPAZ, LPAZ, LPAZ, R32K, R32K, RKT, RKT, RKT, RKT, S31K, S31K, P32M, P32M, TGNT, TGNT, P33M, P33M, SCHO, SCHO, SKAG, SKAG, WRGLY, WRGLY, PLBC, PLBC, N32M, N32M, WHY, WHY, P29M, P29M, P30M, P30M, O30N, O30N, MPMY, MPMY, PNL, PNL, FARO, FARO, N31M, N31M, O29M, O29M, HYT, HYT, M31M, M31M, N30M, N30M, YUK6, YUK6, PINM, PINM, O28M, O28M, MESA, MESA, YUK8, YUK8, MDP, MDP, CTG, CTG, M29M, M29M, YUK3, YUK3, KAIM, KAIM, CRGE, CRGE, L29M, L29M, BVCY, BVCY, MCARA, MCARA, K19M, K19M, SIVN, SIVN, M27K, M27K, BMRM, BMRM, EYAK, EYAK, M26K, M26K, N25K, N25K

31d 7h

Table with columns: Station Name, Elevation, Azimuth, Azimuth Error, Azimuth Rate, Station Name, Elevation, Azimuth, Azimuth Error, Azimuth Rate. Includes stations like DAWY Dawson, H31M Peel River, L27K Beaver Creek, etc.

2019 MAY

Table with columns: Station Name, Elevation, Azimuth, Azimuth Error, Azimuth Rate, Station Name, Elevation, Azimuth, Azimuth Error, Azimuth Rate. Includes stations like N18K Kilae Creek, TBI Tubuai, L20K Farewell, etc.

1708

Table with columns: Station Name, Elevation, Azimuth, Azimuth Error, Azimuth Rate, Station Name, Elevation, Azimuth, Azimuth Error, Azimuth Rate. Includes stations like J14K Nanvaranak Lak, B22K Teshapuk Lake, F18K Selawik, etc.

CATAC 31 07:40:03.5±1.3, 13°N 7°8'9W±, h24km, 10km, M2,7/12, MLV2,7/12, Error ellipse: s-maj=15.7km s-min=9.1km az=11.6, confirmed
GCG 31 07:40:05.0±0.3, 13°16'N 89°54'W, h54km, 6km, MD3.6
ISC 31 07:40:09.8±3.0, 13°01'N 0°89'52W, 0.09, h43km, n21, -0.852/2.0, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JAYA, PANCS, ITCA, LOMA, UUES, etc.

TEH 31 07:54:10.0, 33.66N:45.73E, h8km, 21km
ISN 31 07:54:11.9, 0.4, 33.76N:45.88E, h17km, 2km, ML 3.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ILBA, GLGI, IBDR, etc.

STR 31 08:00:06.3, 0.7, 46.14N:4.4W, h0km, MLv1.76, Error ellipse: s-maj=0.0km s-min=0.0km az=23.3, preliminary, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OGMV, GRN, SSB, etc.

IDC 31 08:06:33.1, 1.0, 18.68S:176.27E, h0km, mb3.76, mbmp3.76, MS3.62, Error ellipse: s-maj=37.0km s-min=27.5km az=151.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, MJAR, etc.

GERES GERES Array B 146.75 339 PKPbc PKPdf 08 26 16.1 +0.6
0.3nm, 0.9s, baz=258, slow=4.6, SNR=4.0

IDC 31 08:27:06.6, 3.1, 53.40N:87.69E, h0km, mbmp2.5/2, ML2.1/2, Error ellipse: s-maj=29.2km s-min=18.3km az=57.0

ASRS 31 08:27:01.0, 1.4, 53.59N:87.96E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021., Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H46RU, ZALV, ZALV, etc.

IDC 31 08:45:14.6, 3.8, 54.31N:87.35E, h0km, mbmp2.7/2, ML2.6/2, Error ellipse: s-maj=34.4km s-min=21.7km az=44.0

ASRS 31 08:45:13.0, 1.2, 54.24N:87.13E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021., Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H46RU, ZALV, ZALV, etc.

IDC 31 08:54:29.9, 2.9, 53.69N:87.12E, h0km, mbmp2.8/2, ML2.4/2, Error ellipse: s-maj=27.9km s-min=17.0km az=71.0

ASRS 31 08:54:31.0, 1.9, 53.68N:86.88E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021., Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H46RU, ZALV, ZALV, etc.

RSNC 31 08:55:10.8, 1.0, 3.5'S:6.7'W, h0km, M3.0, mb5.3, mb4.0, ML3.0, Mw(mb)4.8

IGQ 31 08:55:17.0, 0.3, 3.3'S:6.7'W, h10km, MLv3.5/3.1

ISC 31 08:55:14.9, 1.3, 3.12S:0.04W:77.97W:0.04, h7km, 1.0km, n70, c187/83, 9C-18D, Peru-Ecuador border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOSQ, BOBO, TAIS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PAC1, BV15, GCUF, etc.

IDC 31 08:58:38.6, 3.5, 55.54N:86.26E, h0km, mbmp2.8/2, ML2.6/2, Error ellipse: s-maj=30.6km s-min=27.3km az=38.0

ASRS 31 08:58:34.0, 0.9, 55.66N:86.05E, h0km, M2.9, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021., Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H46RU, ZALV, ZALV, etc.

HEL 31 09:00:34.0, 0.1, 67.72N:26.96E, h0km, ML 1.8, Suspected explosion

IDC 31 09:00:34.3, 3.1, 67.72N:26.95E, h0km, mbmp3.9/2, ML2.3/2, Error ellipse: s-maj=34.3km s-min=10.0km az=86.0

BER 31 09:00:35.9, 0.9, 67.65N:26.90E, h0km, ML 1.5, Suspected explosion

ISC 31 09:00:32.7, 0.7, 67.71N:0.02-27.00E:0.03, h0km, n33, c195/56, Finland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAUF, RAUF, RAUF, etc.

ISC 31 09:00:32.7, 0.7, 67.71N:0.02-27.00E:0.03, h0km, n33, c195/56, Finland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KLF, HEF, HEF, etc.

ISC 31 09:00:32.7, 0.7, 67.71N:0.02-27.00E:0.03, h0km, n33, c195/56, Finland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KTK1, KTK1, ARAO, etc.

ISC 31 09:00:32.7, 0.7, 67.71N:0.02-27.00E:0.03, h0km, n33, c195/56, Finland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARAO, ARAO, ARAO, etc.

ISC 31 09:00:32.7, 0.7, 67.71N:0.02-27.00E:0.03, h0km, n33, c195/56, Finland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KEV, KEV, KEV, etc.

ISC 31 09:00:32.7, 0.7, 67.71N:0.02-27.00E:0.03, h0km, n33, c195/56, Finland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KEV, KEV, KEV, etc.

OSPL 31 09:10:08.8, 2.8, 18.15N:71.35W, h44km, 24km, ML 2.1

31d 9h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAS, ICS. Includes stations like Puerto Escondido, Comitan, Arroyo Zacate, and Bahía de las A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAS, ICS. Includes stations like JAYA, BOQUERON, SAN BLAS, and UNIVERSIDAD EV.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAS, ICS. Includes stations like WARRANGUA ARR, ALICE SPRINGS, and HUATULCO.

2019 MAY

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAS, ICS. Includes stations like LA PAZ, SAN IGNACIO, and MONTAÑAS DE.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAS, ICS. Includes stations like ODAÑE, RAMITE, GUMBA, and KAKANI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAS, ICS. Includes stations like WARRANGUA ARR, ALICE SPRINGS, and HUATULCO.

1710

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAS, ICS. Includes stations like CERRO VERDE, SAN BLAS, and CALDEA DE TE.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAS, ICS. Includes stations like WARRANGUA ARR, ALICE SPRINGS, and SOUTH POLE QUI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, IAS, ICS. Includes stations like ISLANOTSKI LAZA, SHISHALDIN SOU, and ISLANOTSKI NORT.

Table listing station names (LVA, UNV, MAPS, etc.), coordinates, and seismic parameters for stations 1-10.

CATAC 31 09:46:07.8±1.2, 11°16'±8.5"W, h183km, Mw2.8/6, ML2.8/6, Error ellipse: s-maj=43.9km s-min=13.6km az=43.1, confirmed, Nicaragua

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like CARN, CONN, JAPN, etc.

SOME 31 09:47:31.5, 41°16'N, 84°45'E, h10km, NNC 31 09:47:42.5±3.1, 41°31'N, 84°01'E, h9km, mb3.9, mpv3.7, Error ellipse: s-maj=31.0km s-min=21.0km az=11.0

ISC 31 09:47:27.2±4.1, 51N±0.1, 84.6E±0.1, h10km, n20, c=179±23, 2C-4D, Southern Xinjiang

Main table of station data for stations 11-40, including station names like KTMS, SHLS, PDGK, etc., and their respective coordinates and seismic parameters.

ISC 31 09:50:23.8±3.3, 54°15'N, 87°19'E, h0km, mbmp2.8/2, ML2.1/1, Error ellipse: s-maj=29.9km s-min=19.1km az=56.0

ASRS 31 09:50:24.0±1.9, 54°16'N, 87°25'E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p - CD-ROM, 2021, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like H46RU, ZALV, KURBB, etc.

MOS 31 10:12:26.2±1.0, 6°35'N, 126°40E, h53km, mb6.4/7.7, MS5.4/33, Error ellipse: s-maj=6.4km s-min=3.5km az=116.6

BUI 31 10:12:29.6±2.4, 6°24'N, 126°62E, h80km, mb6.1/65, mb5.8/89, MS5.7/90, MS7.5/89

IDC 31 10:12:30.9±0.9, 6°34'N, 126°40E, h81km, 7km, mb5.6/49, mbmp5.9/52, MS5.2/70, Error ellipse: s-maj=11.0km s-min=7.5km az=79.0

MAN 31 10:12:30.6±6.1, 19N, 126°64E, h78km, mb6.4, ML5.5, MS6.2 MAN INTENSITY I - MATI CITY, GOVERNOR GENERAL ROSARIO DAVAO ORIENTAL - INTENSITY IV, DAVAO CITY

GENERAL SANTOS CITY; ALABEL GLAN KROMANDAL MALUNGON SARANGANI; INTENSITY III - KORONAD CITY; TUPI SUDOT COTABATO; MAITUM SARANGANI; SANTA CRUZ DAVAO DEL SUR; INTENSITY II - KIDAPAWAN CITY; MAKALALA COTABATO; TACURONG CITY SULTAN KUDARAT; BISLIG CITY SURIGAO DEL SUR; KADINGILAN KALLANGAN AND KIBAWÉ BUKIDNON; INTENSITY I - CAGAYAN DE ORO CITY; DAMULOG BUKIDNON

NEIC 31 10:12:31.6±3.3, 6°30'N, 126°48E, h83km, IGP 31 10:12:32.0±0.2, 6°26'N, 126°55E, h79km, Mw6.2, Fault plane solution: NP1:φs=150.0000°, λ31.0000°, λ116.0000°, NP2:φs=342.0000°, λ62.0000°, λ75.00000°

GCMT 31 10:12:32.9±0.1, 6°22'N, 126°54E, h88km, Mw6.2/180, Moment Tensor Solution. s180,c436; s180,c619; Duration: 2s9 Moment tensor: Scale 1018Nm; Mrr:1.37±0.01; Mθθ:0.40±0.01; Mφφ:1.77±0.01; Mθφ:0.65±0.01; Mφθ:0.17±0.01; Mθr:1.17±0.01; Best double couple: Mz2:0.89000x1018 NP1:φs197.00000°, λ30.00000°, λ125.00000°. NP2:φs338.00000°, λ66.00000°, λ72.00000°

Principal axes: T 1.9680, Plg64.0000°, Azm177.0000°; N 0.2430, Plg17.0000°, Azm345.0000°, P -2.2100, Plg19.0000°, Azm81.0000°. nsta1 refers to body waves, nsta2 refers to surface waves to surficial mantle waves, cutoff=50s. Triangular moment-rate function

NEIC 31 10:12:32.9±6.2, 8N, 126°48E, h90km, NEIC 31 10:12:32.9±1.5, 6°28'N, 126°48E, h90km, mb6.1/467, Mw6.1/63, Mw6.6/141, Error ellipse: s-maj=9.1km s-min=7.3km az=172.0, Moment Tensor Solution. Moment tensor: Scale 1018Nm; Mrr:1.84; Mθθ:0.20; Mφφ:1.64; Mθφ:0.58; Mφθ:0.90; Fault plane solution: Mz2:0.70000x1018 NP1:φs338.92000°, λ60.53000°, λ80.24000°. NP2:φs178.19000°, λ30.90000°, λ106.70000°. Principal axes: T 1.2173, Plg73.0000°, Azm225.0000°; N 0.2144, Plg8.0000°, Azm344.0000°; P -1.9569, Plg15.0000°, Azm76.0000°

NEIC 31 10:12:32.9±6.1, 18N, 126°68E, h90km, Moment Tensor Solution. Duration: 5s4 Moment tensor: Scale 1018Nm; Mrr:1.49; Mθθ:0.44; Mφφ:1.93; Mθφ:0.33; Mφθ:0.30; Mrr:1.07; Fault plane solution: Mz2:1.00000x1018 NP1:φs182.38000°, λ29.31000°, λ104.57000°. NP2:φs345.78000°, λ61.72000°, λ81.97000°. Principal axes: T 1.8367, Plg72.0000°, Azm237.0000°; N 0.4537, Plg7.0000°, Azm350.0000°; P -2.2905, Plg16.0000°, Azm82.0000°

DJA 31 10:12:33.6±0.2, 6°N, 127°7E, h107km, 2km, M6.2/73, mb6.5/73, mb6.2/73, ML6.6/912, Mw6.1/73, Mw(mB)6.3/73, S-GSI MwMwp6.1/68, Mwp6.1/68

BGR 31 10:12:50.7, 10°8'N, 123°34E, h33km, mb6.5, mB_BB6.8, MS5.5

ISC 31 10:12:31.7±0.2, 6°26'N, 126°54E, h93km, 1km, h94km: pP-P, n2131, c1s45±2652, mb6.1/446, 190C-75D, Mindanao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like DAV, DAVO, DAVC, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like DAV, DAVO, DAVC, etc.

MYLDM Lahad Datu 0.07 263 P Pn 10 14 29.2 +3.0

MYLDM Lahad Datu 8.07 263 P Pn 10 14 27.3 +1.1

MYLDM Lahad Datu 8.17 208 P Pn 10 14 27.2 +3.0

LWUI Luwuk 8.17 208 P Pn 10 14 27.7 +2.2

LWUI Luwuk 8.17 208 P Pn 10 14 28.7 +1.2

LWUI Luwuk 8.17 208 P Pn 10 15 58.9 +0.6

LWUI Luwuk 8.17 208 P Pn 10 14 27.8 +0.3

LWUI Luwuk 8.17 208 P Pn 10 14 29.9 +2.2

LWUI Luwuk 8.17 208 P Pn 10 14 27.7 +2.2

SANI Sanana 8.27 184 P Pn 10 14 23.2 -5.8

SANI Sanana 8.27 184 P Pn 10 14 26.6 -2.4

SANI Sanana 8.27 184 P Pn 10 14 25.8 -3.2

SWI Sorong 8.50 146 P Pn 10 14 32.8 +0.7

APSI Ampang 8.63 215 P Pn 10 14 34.8 +0.9

NLAI Mapaga 8.86 229 P Pn 10 14 35.8 -1.2

MLSI Namia 9.45 177 P Pn 10 14 43.7 -1.3

TGY Tagaytay City 9.54 325 P Pn 10 14 49.7 +3.4

PCI Palu 9.77 223 P Pn 10 14 51.2 +1.9

AAI Ambo 10.02 170 P Pn 10 14 52.8 0.0

BKB Balikpapan 12.18 232 P Pn 10 15 24.9 +2.8

BKB Balikpapan 12.18 232 P Pn 10 15 20.2 -1.8

BKB Balikpapan 12.18 232 P Pn 10 17 34.2 -1.9

BKB Balikpapan 12.18 232 P Pn 10 15 21.8 -0.2

BKB Balikpapan 12.18 232 P Pn 10 15 22.1 +0.1

SPSI Sidrap Palu 12.20 214 P Pn 10 15 23.1 +0.9

BBSI Bau Bau 12.32 199 P Pn 10 15 23.0 -0.9

BNSI Bone 12.38 211 P Pn 10 15 25.4 +0.7

SRPI Serui, Papua 12.61 130 P Pn 10 15 29.7 +1.9

KAPI Kappang 13.09 211 P Pn 10 15 34.2 +0.1

KAPI Kappang 13.09 211 P Pn 10 15 33.6 -0.5

KAPI Kappang 13.09 211 P Pn 10 21 24.4

KAPI Kappang 13.09 211 P Pn 10 24 24.8 +0.5

KAPI Kappang 13.09 211 P Pn 10 15 34.6 +0.5

KAPI Kappang 13.09 211 P Pn 10 15 34.6 +0.5

KAPI Kappang 13.09 211 P Pn 10 15 33.8 -0.3

KAPI Kappang 13.09 211 P Pn 10 15 33.8 -0.3

KAPI Kappang 13.09 211 P Pn 10 15 59.2 +1.2

KAPI Kappang 13.09 211 P Pn 10 15 34.1 -0.0

KAPI Kappang 13.09 211 P Pn 10 15 33.0 -1.0

BSSI Bau Bau, Buton 13.72 206 P Pn 10 15 42.3 0.0

SMPI Samri 14.66 124 P Pn 10 15 55.0 +0.5

SBUM Sibuluan 14.77 256 P Pn 10 15 58.1 -1.2

SBUM Sibuluan 14.77 256 P Pn 10 15 57.5 +1.6

SBUM Sibuluan 14.77 256 P Pn 10 15 58.2 -1.2

SAUI Saumlaki 14.92 161 P Pn 10 15 56.5 -1.4

SAUI Saumlaki 14.92 161 P Pn 10 15 57.4 +0.5

SAUI Saumlaki 14.92 161 P Pn 10 15 57.8 -0.1

SAUI Saumlaki 14.92 161 P Pn 10 15 59.7 -1.5

MMRI Maumere 15.40 196 P Pn 10 16 03.0 -1.0

MMRI Maumere 15.40 196 P Pn 10 16 04.9 +0.5

MMRI Maumere 15.40 196 P Pn 10 16 04.3 +0.3

SAUI Saumlaki 14.92 161 P Pn 10 15 59.7 -1.5

MMRI Maumere 15.40 196 P Pn 10 16 02.7 -1.3

EDFI Ende, Flores 15.67 198 P Pn 10 16 06.7 -0.7

SOEI Soe 16.07 188 P Pn 10 16 13.2 -0.8

SOEI Soe 16.07 188 P Pn 10 16 10.8 -1.6

SOEI Soe 16.07 188 P Pn 10 19 10.2 -0.2

SOEI Soe 16.07 188 P Pn 10 16 13.0 +0.6

SOEI Soe 16.07 188 P Pn 10 16 14.0 -0.0

SOEI Soe 16.07 188 P Pn 10 16 17.1 +0.7

GENI Genyem 16.20 122 P Pn 10 16 16.0 +0.6

GENI Genyem 16.20 122 P Pn 10 16 14.2 +0.2

GENI Genyem 16.20 122 P Pn 10 16 14.0 0.0

STKI Sintang 16.24 248 P Pn 10 16 15.1 +0.7

BATI Batulena 16.24 190 P Pn 10 16 20.3 +0.4

JAY Jayapura 16.62 121 P Pn 10 16 19.9 0.0

JAY Jayapura 16.62 121 P Pn 10 22 16.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like BKB, BNSI, SRPI, etc.

31d 10h

Table with columns: JOW, ScP, ScP, 10 24 39.4 +0.5. Rows include stations like Kunigami, Qiongzong, Semarang, etc.

2019 MAY

Table with columns: JUNU, LR, LR, 10 27 31.6. Rows include stations like Nakatsue, Warramunga Arr, etc.

1712

Table with columns: JSG, Sagara, 30.25 19 P P, 10 18 34.6 +0.8. Rows include stations like Alice Springs, Warramunga Arr, etc.

31d 10h

HEH	comp=Z,2um,7.2s										
HEH	comp=Z,3um,17.8s	LR	LR								
HEH	comp=Z,6um,16.2s	LR	LR								
HEH	comp=Z,5um,18.4s	LR	LR								
JHSG	JHARSUGUGA	44.08 295	eP	P	10 20 30.7 -0.1						
JHSG	comp=Z,9.1nm,0.9s	IAMB	IAMB		10 20 33.5						
UGL	Uglegorsk	44.65 15	eS	P	10 20 31.6 -3.3						
UGL			eSS	S	10 26 58.8 -5.4						
UGL	comp=Z,120nm,0.8s		pmax	pmax	10 30 13.0 -10						
UGL	comp=Z,1um,5.3s										
UGL	comp=E,4um,6.2s		smax	smax							
UGL	comp=N,5um,8.6s		smax	smax							
ULN	Ulaanbaatar	44.67 341	P	P	10 20 36.6 +1.3						
ULN	comp=Z,416nm,1.1s	IAMB	IAMB		10 20 38.4						
ULN	Ulaanbaatar	44.67 341	PcP	PcP	10 22 16.9 +0.5						
ULN			P	P	10 20 36.3 +1.0						
ULN			S	S	10 20 36.3 +1.0						
ULN			P	P	10 20 37.5 +0.7						
ULN	Ulaanbaatar	44.67 341	P	P	10 20 36.6 +1.3						
ULN	comp=Z,777nm,1.8s		pmax	pmax	10 20 35.9 +0.5						
ULN	Ulaanbaatar	44.67 341	PcP	PcP	10 20 36.6 +1.3						
ULN			ScP	ScP	10 22 17.7 +1.3						
ULN	Ulaanbaatar	44.67 341	P	P	10 20 36.4 +1.0						
SONM	Songino Array	44.86 341	PcP	P	10 20 37.5 +0.7						
SONM			P	P	10 22 18.4 +1.4						
SONM	Songino Array	44.86 341	PcP	PcP	10 20 37.5 +0.7						
SONM	comp=Z,112nm,0.7s,baz=158,slow=8.7,SNR=365		PcP	PcP	10 22 17.7 +0.6						
SONM	comp=Z,92nm,0.9s,baz=163,slow=3.7,SNR=8=2		ScP	ScP	10 20 36.3 +1.1						
SONM	comp=Z,10nm,0.8s,baz=154,slow=4.5,SNR=3.8		ScS	ScS	10 30 26.3 +1.3						
SONM	comp=Z,6.5nm,1.1s,baz=169,slow=1.5,SNR=4.6		LR	LR	10 40 30.0						
SONM	comp=Z,4um,20.1s,baz=163,slow=38		LR	LR	10 40 30.0						
SONM	comp=Z,112nm,0.7s		LR	LR	10 40 30.0						
GRNR	Gornyy	45.12 9	P	P	10 20 38.9 +0.2						
GRNR	comp=N,10.0nm,0.9s		pmax	pmax							
GRNR	comp=Z,20nm,0.8s		MLR	MLR							
GRNR	comp=N,1um,16.0s		MLR	MLR							
GRNR	comp=Z,2um,18.0s		MLR	MLR							
ARPS	Mount Arapiles	45.14 163	P	P	10 20 40.3 +1.3						
PALK	Pallekele	45.51 274	P	P	10 20 42.2 -0.2						
PALK			PcP	PcP	10 22 20.5 +0.6						
PALK	comp=Z,345nm,1.6s		IAMB	IAMB	10 22 23.0						
PALK	Pallekele	45.51 274	LR	LR	10 39 59.6						
PALK	comp=Z,3um,22.0s,baz=90,slow=36		LR	LR	10 39 59.6						
PALK	Pallekele	45.51 274	P	P	10 20 41.1 -1.3						
PALK			S	S	10 20 41.1 -1.3						
PALK			P	P	10 27 14.3 -3.5						
PALK			S	S	10 27 14.3 -3.5						
PALK	Pallekele	45.51 274	P	P	10 20 42.2 -0.2						
PALK			S	S	10 20 42.0 -0.4						
PALK	Pallekele	45.51 274	P	P	10 27 14.8 -3.0						
PALK			S	S	10 27 14.8 -3.0						
BLSP	Bilaspur	45.65 295	eP	P	10 20 42.8 -0.5						
BLSP	comp=Z,91nm,1.2s		IAMB	IAMB	10 20 46.5						
MALK	Mahakanadarawa	45.65 276	P	P	10 20 42.1 -1.3						
MALK	Mahakanadarawa	45.65 276	P	P	10 20 43.4 0.0						
MGCD	Mangrove Creek	45.66 151	P	P	10 20 45.1 +1.9						
KOUNC	Koumang, New Ca	45.67 127	P	P	10 20 45.7 +2.3						
KOUNC	Koumang, New Ca	45.67 127	P	P	10 20 44.8 +1.2						
MGBR	Mount Gambier	45.67 164	P	P	10 20 44.8 +1.6						
VAR	Varanasi	45.69 299	P	P	10 20 43.5 0.0						
VAR	comp=Z,80nm,0.7s		IAMB	IAMB	10 20 49.3						
SANVU	Saraoutou	45.69 119	P	P	10 20 44.7 +1.0						
SANVU	comp=Z,262nm,1.0s		IAMB	IAMB	10 21 13.2						
SANVU	Saraoutou	45.69 119	P	P	10 20 45.7 +2.0						
SANVU	Saraoutou	45.69 119	P	P	10 20 44.6 +1.0						
NTHL	Newcastle Hard	45.70 150	P	P	10 20 44.9 +1.4						
SYDH	Sydney Hard Ro	45.94 152	P	P	10 20 46.8 +1.5						
VJD	Vijayawada	46.02 287	eP	P	10 20 46.2 -0.1						
VJD	comp=Z,75nm,0.8s		IAMB	IAMB	10 20 48.5						
VLAKA	Lakatoro	46.16 119	P	P	10 20 49.2 +1.8						
RIV	Riverview	46.19 151	P	P	10 20 49.0 +1.7						
RIV	Riverview	46.19 151	P	P	10 20 49.5 +2.3						
TYV	Tymovskoe	46.45 14	eS	S	10 20 50.6 +1.5						
TYV			eS	S	10 27 32.7 +2.7						
TYV	comp=Z,27nm,1.4s		pmax	pmax							
TYV	comp=Z,600nm,7.4s		pmax	pmax							
TYV	comp=E,37nm,1.8s		smax	smax							
TYV	comp=N,4um,10.0s		smax	smax							
CAN	Canberra	46.45 154	P	P	10 20 51.0 +1.6						
CAN	Canberra	46.45 154	P	P	10 20 50.9 +1.5						
CAN	Canberra	46.45 154	P	P	10 20 51.0 +1.6						
CAN	comp=Z,734nm,1.4s		pmax	pmax							
CAN	Canberra	46.45 154	P	P	10 20 51.3 +1.9						
CAN			ScP	ScP	10 26 09.7 +1.8						
CAN	Canberra	46.45 154	P	P	10 20 51.1 +1.7						
WOLH	Wollongong Har	46.53 152	P	P	10 20 51.1 +1.2						
CNB	Canberra Magne	46.61 154	P	P	10 20 52.3 +1.7						
ALBI	Allahabad	46.74 299	eP	P	10 20 51.8 0.0						
ALBI	comp=Z,156nm,0.8s		IAMB	IAMB	10 20 57.4						
CIT	Chita	46.86 349	eP	P	10 20 52.8 +0.4						
CIT			e	e	10 21 06.2						
CIT			e	e	10 21 18.0						
CIT			e	e	10 22 25.0						
CIT			e	e	10 22 46.0						
CIT			e	e	10 23 28.0						
TOO	Toolangi	47.05 159	P	P	10 20 56.4 +2.4						
TOO	Toolangi	47.05 159	P	P	10 20 56.4 +2.4						
TOO	comp=Z,254nm,1.5s		pmax	pmax							
TOO	Toolangi	47.05 159	P	P	10 20 56.0 +2.0						
MLBS	Spotswood, Mel	47.08 160	P	P	10 20 56.2 +2.0						
GEXS	Deakin Univer	47.22 161	eP	P	10 20 56.4 +1.2						
ZEA	Zey	47.34 1	eP	P	10 20 55.5 +0.5						
ZEA			e	e	10 21 14.9 -2.7						
ZEA			e	e	10 22 26.8						
ZEA			e	e	10 22 48.7						
ZEA			e	e	10 27 41.3 -1.3						
ZEA	comp=N,10.0nm,1.0s		pmax	pmax							
ZEA	comp=Z,20nm,0.9s		pmax	pmax							
ZEA	comp=N,300nm,6.5s		pmax	pmax							
ZEA	comp=Z,500nm,7.0s		pmax	pmax							
ZEA	comp=N,400nm,9.1s		pmax	pmax							
ZEA	comp=Z,700nm,10.5s		pmax	pmax							
ZEA	comp=E,800nm,11.5s		smax	smax							
ZEA	comp=E,1um,18.0s		MLR	MLR							
ZEA			MLR	MLR							
BNDA	BANDA	48.07 299	eP	P	10 21 02.1 -0.1						

2019 MAY

BNDA	comp=Z,137nm,0.5s	IAMB	IAMB		10 21 06.1						
ZAK	Zakamensk	48.09 340	eP	P	10 21 02.1 +0.1						
ZAK			e	e	10 22 29.2						
ZAK	comp=Z,144nm,1.6s		pmax	pmax							
HYB	Hyderabad	48.13 288	eP	P	10 21 01.9 -0.8						
HYB	comp=Z,4um,3.4s		IAMB	IAMB	10 21 03.2						
HYB			eP	P	10 21 26.1 +1.4						
HYB			eS	S	10 21 37.4 +2.7						
HYB			ePcP	PcP	10 22 28.7 -0.4						
HYB			ePP	PP	10 22 56.2 +0.5						
HYB			eScP	ScP	10 26 14.6 -0.8						
HYB			ePcS	PcS	10 26 24.5 -0.7						
HYB			eS	S	10 27 53.5 -1.5						
HYB			eScS	ScS	10 30 45.3 -2.0						
HYB	comp=Z,2um,37.4s		IAMS_BB	IAMS_BB	10 36 58.2						
NKL	Nikolayevsk	48.16 11	eP	P	10 21 00.1 -2.2						
NKL			eS	S	10 22 00.6 +6.4						
NKL	comp=E,108nm,0.8s		pmax	pmax							
NKL	comp=N,123nm,0.9s		pmax	pmax							
NKL	comp=Z,488nm,0.9s		smax	smax							
NKL	comp=E,857nm,3.0s		smax	smax							
NKL	comp=N,502nm,2.9s		MLR	MLR							
NKL	comp=E,13um,20.0s		MLR	MLR							
NKL	comp=N,10um,21.0s		MLR	MLR							
DZM	Mont Dzumac	48.17 127	P	P	10 21 03.0 0.0						
DZM	comp=Z,419nm,1.5s		IAMB	IAMB	10 21 06.3						
DZM	Mont Dzumac	48.17 127	eP	P	10 21 03.6 +0.6						
DZM	comp=Z,413nm,1.1s		ePP	PP	10 22 51.3 -4.9						
DZM	comp=Z,728nm,28.0s		eS	S	10 27 47.1 -8.4						
DZM	comp=Z,2um,2.8s		eSS	SS	10 31 24.8 -1.3						
DZM	comp=Z,5um,28.4s		eLQ	LQ	10 32 50.1						
DZM	comp=Z,8um,35.4s		eLR	LR	10 34 52.6						
DZM	comp=Z,22um,35.0s		LR	LR	10 40 58.1						
DZM	Mont Dzumac	48.17 127	LR	LR	10 40 58.1						
DZM	comp=Z,2um,										

1715

Table containing astronomical data for objects 1715, including names like YAK, TARG, SATY, and various parameters such as magnitude, position, and spectral type.

2019 MAY

Main table containing astronomical data for objects in May 2019, including names like AAK, YAK, TARG, SATY, and various parameters such as magnitude, position, and spectral type.

31d 10h

Table containing astronomical data for objects in 31 days and 10 hours, including names like ADK, BKV, and various parameters such as magnitude, position, and spectral type.

31d 10h

Table with columns: RBK, Raklut, SNR, 71.32 286, P, P, 10 23 42.0 0.0, etc. Rows include Chatham Island, Doka, Unalaska Valle, etc.

2019 MAY

Table with columns: S14K, Fog Glacier, 75.90 34, P, P, 10 24 08.6 +0.4, etc. Rows include Ungalak Mouta, Wolf Creek Mou, Kasigluk River, etc.

1716

Table with columns: MAK, Makhachkala, 77.74 312, eP, P, 10 24 17.8 -0.8, etc. Rows include King Salmon, Nushagak Hills, Kivach River, etc.

1717

Table with columns for station ID, name, coordinates, and status. Includes entries like J19K Poorman, NAX Nakhchivan, L19K White Mountain, etc.

2019 MAY

Table with columns for station ID, name, coordinates, and status. Includes entries like A22K Sinclair Lake, F21K Altna River, H21K Melozitna River, etc.

31d 10h

Table with columns for station ID, name, coordinates, and status. Includes entries like G23K Bananza Creek, C23K Hkilk River, BWN Browne, etc.

31d 10h

Table with columns for station ID, name, elevation, coordinates, and various data points. Includes stations like VOI, HDA, IL31, ILAR, etc.

2019 MAY

Table with columns for station ID, name, elevation, coordinates, and various data points. Includes stations like L26K, ARPR, BGGLC, etc.

1718

Table with columns for station ID, name, elevation, coordinates, and various data points. Includes stations like PPT2, PAE, PPTF, etc.

31d 10h

Table with columns for station name, frequency, power, and signal strength. Includes stations like ONER Baraj Valea Uz, LOF Lofoten, PHSR Pinarhisar, etc.

2019 MAY

Table with columns for station name, frequency, power, and signal strength. Includes stations like STHS Stebnicka Huta, GZR Gura Zlata, PUNG Pungma, etc.

1720

Table with columns for station name, frequency, power, and signal strength. Includes stations like JNE comp=Z,2j,2.1s, JNE comp=Z,2j,2.0s, JNW Jan Mayen West, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like DBIC, MG03, U56A, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like PCRV, TIJ01, CAM01, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like TPB03, TPB04, TPB01, etc.

ASRS 31 10:20:24.0;0.8,53.76N;0.01x157.20W;0.04,h6km,2.1km Error ellipse: s-maj=2.7km s-min=1.9km az=93.0

NEIC 31 10:36:01.8;1.3,66.30N;0.01x157.20W;0.04,h6km,2.1km Error ellipse: s-maj=2.7km s-min=1.9km az=93.0

AEIC 31 10:36:01.8;1.4,66.30N;0.01x157.16W;0.03,h3km,2.1km s-min=1.0km az=130.0 Northern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like G19K, F19K, etc.

TXNET 31 10:14:16.3;31.5N;0.6,-103.7W;0.8,h5km,1km,ML1.8/13, Error ellipse: s-maj=1.2km s-min=0.9km az=69.3, final, Western Texas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TPB07, TPB07, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Telida, Anvik River, Bear Paw Mtn, etc.

Code Station Name Δ° AZ° Phase ID Time Res
KSR5 Korea Array 22.56 59 P Op ISC h m s ISC

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like MKAR, WRA, ASAR, etc.

BER 31 10:53:22.6.3.1, 75°50N; 74E, h10km, mb(Ph)3.6, Confirmed Earthquake
KOLA 31 10:53:24.6, 75°8'N; 75°52E, h0km, ML2.2, Error ellipse: s-maj=60.1km s-min=28.4km az=130.0, Greenland sea, Knipovich ridge, south
FCIAR 31 10:53:25.0, 75°30N; 84°5E, h10km
ISC 31 10:53:26.4, 2.9, 75.78N; 0.10; 9.1E; 0.1, h10km, n15,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Hornsund (broa), Barentsburg A, etc.

CATAC 31 10:57:01.5; 1.2, 13°N; 7°9'OW; h22km, 7km, M3.3/13, MLV3.3/13, Error ellipse: s-maj=15.4km s-min=8.2km az=21.7, confirmed

SNET 31 10:57:02.7; 0.9, 13°14N; 89°48W, h49km, 16km, ML3.3
CGG 31 10:57:03.4; 0.5, 13°19N; 89°55W, h49km, 11km, MD3.7
ISC 31 10:57:03.3; 1.8, 13°12N; 0°09; 89°44W; 0.05, h27km, ±13km, n52, c091/60, 6C, El Salvador

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like JAYA, BOORG, etc.

ISC 31 11:04:29.5; 1.4, 0°69S; 129°53E, h0km, mb3.8/5, mbtmp3.8/7, ML3.5/2, Error ellipse: s-maj=88.8km s-min=19.0km az=71.0

DJA 31 11:04:32.9; 1.0, 1°1'S; 2°13'0E; h25km, 8km, M4.1/9, mb5.0/1, MLV3.7/9

ISC 31 11:04:34.1; 0.9, 0°59S; 0°08; 129°71E; 0°05, h35km, n13, c097/176, mb4.0/5, Halmahera

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like SWI, TINTI, etc.

SOME 31 11:19:41.2, 43°67N; 69°55E
NNC 31 11:19:42.1; 2.0, 43°73N; 69°65E, h0km, mb3.7, mpv3.1, Error ellipse: s-maj=11.8km s-min=5.7km az=133.0, Suspected Mining explosion.

KRNET 31 11:19:44.9; 0.1, 43°42N; 69°61E, mb3.0
ISC 31 11:19:47.1; 2.2, 43°55N; 0°08; 69°80E; 0.09, h0km, n12, c152/19, 10C-5D, Central Kazakhstan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like BRLS, KK31, etc.

ISC 31 11:46:19.2; 1.2, 60°97N; 28°08W, h0km, mb3.5/6, mbtmp3.6/7, ML3.5/1, MS3.8/1, Error ellipse: s-maj=30.1km s-min=21.3km az=1.0

NEIC 31 11:46:19.3; 1.7, 60°94N; 0°08; 27°9W; 0.3, h10km, 2km, mb4.2/1, Error ellipse: s-maj=20.6km s-min=14.2km az=89.0

ISC 31 11:46:19.9; 1.0, 61°0N; 0°1; 28°01W; 0.09, h10km, n23, c1916/23, mb4.0/10, Reykjan Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like BORG, SFUD, etc.

ISC 31 11:56:01.0; 0.6, 25°44S; 69°89E, h0km, mb4.2/15, mbtmp4.2/15, MS5.3/2, Error ellipse: s-maj=23.4km s-min=15.4km az=90.0

NEIC 31 11:56:02.9; 1.9, 25°45S; 0°1; 70°0E; 0.1, h10km, 1km, mb4.6/19, Error ellipse: s-maj=22.3km s-min=19.6km az=130.0

ISC 31 11:56:04.1; 0.5, 25°45S; 0°1; 70°0E; 0.1, h21km, n52, c099/37, mb4.3/23, MS5.3/3, Mid-Indian Ridge

31d 11h

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like QNGWA, PSAO, CM31, CMAR, TOLIZ, ASAR, AS31, WRAB, SNAAS, QSPA, VANDA, SBA, MKAR, ARG, BRTR, AB31, KURBB, TORD, BVAR, SONM, ZAAO, ULN, KRSR, AKASG, DZM, FINES, etc.

DJA 31 11:56:21.6:0.6,3.5:4.13*8E, h174km,6km, M3,77, mb3.7/2,MLV3.6/7
IDC 31 11:56:24.9:1.6,3.14S:137.83E,h0km,mb3.8/2, mbtmp3.9/5,ML3.5/3,Error ellipse: s-maj=26.9,km s-min=18.6km az=109.0

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like SMP1, SRPI, GENY, BAKI, JAY, JAY, FAKI, SFAI, WRA, FITZ, ASAR, ASAR, CMAR, etc.

IDC 31 11:57:20.9:0.6,18.58N:107.34W,h0km,mb4.7/26, mbmp4.8/31,ML4.8/5,MS5.1/54,Error ellipse: s-maj=23.1km s-min=10.9km az=57.0
MOS 31 11:57:23.5:1.0,18.73N:107.11W,h19km,mb5.5/51, MS5.1/32,Error ellipse: s-maj=7.8km s-min=4.7km az=93.3
NEIC 31 11:57:24.7:1.5,18.76N:107.07W,15W:0.08,h10km,1km, mb5.3/749,Ms 20.5/2789,Mwb5.8/23,Mwv5.8/84, Mds.8/17(MEX),Error ellipse: s-maj=13.4km s-min=11.5km az=221.0,Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mr=0.72; Mw=3.23; Mw=3.96; Ms=0.37; Mw=4.30; Mw=1.03; Fault plane solution: Ms3.75000*10^17 NP1=10.05000; 878.56000; -1.177.90000; NP2=19.63000; 877.95000; -1.1450000; Principal axes: T 6.0589,Plg7.0000; Azm65.0000; N -0.6830,Plg78.0000; Azm190.0000; P -5.3759,Plg10.0000; Azm334.0000;
NEIC 31 11:57:25.3,18.79N:107.09W,h22km
NEIC 31 11:57:25.3,18.29N:107.09W,h22km,Moment Tensor Solution. Duration: 4s1 Moment tensor: Scale 10^17Nm; Mr=0.22; Mw=3.76; Mw=3.98; Ms=0.98; Mw=5.59; Mw=2.47; Fault plane solution: Ms7.24000*10^17 NP1: 285.79000; 875.24000; 1.168.71000; NP2: 18.17000; 879.09000; 1.15.04000; Principal axes: T 7.785,Plg18.0000; Azm243.0000; N -1.0772,Plg71.0000; Azm54.0000; P -6.6995,Plg3.0000; Azm152.0000;
NEIC 31 11:57:25.3,18.80N:107.10W,h10km
GCMT 31 11:57:26.0:1.1,18.77N:107.06W,h23km,MW5.8/169, Moment Tensor Solution. s144,c262; s169,c519;

2019 MAY

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like CCG, CCIG, BRDY, VTX, HKT, SN05, SBM, HUEH, Y22D, GUVV, ESJX, ESJX, ESJX, MSTX, CCX, CCX, DNKS, X18A, YUH, CBX, CBX, CBX, Y14A, FW13, X16A, ANMO, ANMO, ANMO, ANMO, TKX, FW07, FW07, FW14, BLYC, BLYC, FW03, FW03, FW03, TJX, TJX, TJX, PTF6, PTF6, PTF6, AMFO, AMFO, PFO, PFO, PFO, PFO, TREL, TREL, NATX, WUAZ, WUAZ, ESQI, ESQI, MTO3, ELS, ELS, TEIG, X34A, RTBA, Z38A, U15A, V12A, CSTR, MVCO, MVCO, ELIS, ELIS, GSC, GSC, GSC, LCMT, LCMT, CCAC, CCAC, OK029, SHPR, OK038, NOKA, Z41A, GW05, GW05, HMU, PV13, WLAR, OK052, PV02, TGUH, TGUH, BCW, PV03, PV03, PV17, PV17, PV16, PV16, PV15, PV20, etc.

1724

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like CCG, CCIG, BRDY, VTX, HKT, SN05, SBM, HUEH, Y22D, GUVV, ESJX, ESJX, ESJX, MSTX, CCX, CCX, DNKS, X18A, YUH, CBX, CBX, CBX, Y14A, FW13, X16A, ANMO, ANMO, ANMO, ANMO, TKX, FW07, FW07, FW14, BLYC, BLYC, FW03, FW03, FW03, TJX, TJX, TJX, PTF6, PTF6, PTF6, AMFO, AMFO, PFO, PFO, PFO, PFO, TREL, TREL, NATX, WUAZ, WUAZ, ESQI, ESQI, MTO3, ELS, ELS, TEIG, X34A, RTBA, Z38A, U15A, V12A, CSTR, MVCO, MVCO, ELIS, ELIS, GSC, GSC, GSC, LCMT, LCMT, CCAC, CCAC, OK029, SHPR, OK038, NOKA, Z41A, GW05, GW05, HMU, PV13, WLAR, OK052, PV02, TGUH, TGUH, BCW, PV03, PV03, PV17, PV17, PV16, PV16, PV15, PV20, etc.

Table with columns for station ID, name, frequency, power, and signal strength. Includes entries like QUOK Quay, PV04 Paradox Valley, PV07 Paradox Valley, etc.

Table with columns for station ID, name, frequency, power, and signal strength. Includes entries like DUG Dugway, DUG Dugway, DUG Dugway, etc.

Table with columns for station ID, name, frequency, power, and signal strength. Includes entries like V48A Smith Brothers, TIGA Triton, FPAL Fort Payne, etc.

31d 11h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BLO, BOZ, KSBX, L02F, J05D, TAZT, R49A, R49A, V53A, GMAL, PLID, LRM, BMO, BMO, BMO, L42A, J04A, J04A, PAULI, KBO, PINE, PINE, JSC, JSC, JSC, I37A, K02D, K02D, R50A, M44A, S51A, P48A, P48A, P48A, MTDJ, JFW5, JFW5, JFW5, KMSC, KMSC, I04A, BPMT, HRY, I05D, J01E, HQIL, HQIL, E28A, E28A, E28A, G08A, I03D, I03D, I03D, BIRD, V55A, L44A, O48B, O48B, MSO, LNOR, H40A, H40A, BUCK, N47A, N47A, K43A, K43A, K43A, G06A, H04A, Q51A, H04D, CHIV, I02E, O49A, W57A, F07A, COR, COR, COR, HOOD, HOOD, HOOD, L46A, L46A.

2019 MAY

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like P51A, P51A, P51A, U56A, EGMT, EGMT, G04A, G04A, I42A, E08A, S54A, S54A, HAWA, Q52A, Q52A, Q52A, G03D, E07A, MDND, BLA, BLA, BLA, DGMT, DGMT, DGMT, HEB0, HEB0, HEB0, MXC, MXC, MXC, D08A, D08A, V58A, P52A, G40A, GTBY, W59A, W59A, NMD0, F04D, F04D, H43A, H43A, P53A, P53A, Q54A, Q54A, Q54A, C09A, T57A, T57A, T57A, O52A, O52A, CAPC, CAPC, R55A, R55A, R55A, M50A, LTY, LTY, NEW, NEW, NEW, NEW, NEW, N51A, N51A, I45A, J47A, E03A, E03A, O53A, O53A, D05A, S57A, COWI, COWI, B08A, B08A, B08A, F42A, F42A, LCBC, O54A, MCWV, MCWV, N53A, N53A, N53A, O56A, O56A, T59A, T59A, K50A, K50A, NLWA, V61A, V61A, R58B, SJJC, GLMI, CBN, CBN, I49A, I49A.

1726

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ALLY, UREC, UREC, P57A, P57A, PGC, PGC, EPLO, EPLO, ULM, ULM, ULM, ULM, ERPA, ERPA, CB0C, CB0C, CLRS, CLRS, TBO, TBO, ZARC, ZARC, SSPA, SSPA, SSPA, S61A, S61A, YOTO, YOTO, E46A, E46A, OTAV, OTAV, OTAV, OTAV, OTAV, OTAV, OTAV, OTAV, OTAV, OTAV, BBAC, BBAC, GUYC, GUYC, POPC, POPC, WVNY, WVNY, WVNY, WVNY, GRTK, GRTK, SDDR, SDDR, SDDR, SDDR, R61A, R61A, CRJC, CRJC, GCUF, GCUF, MVL, MVL, PTBC, PTBC, LLLB, LLLB, N58A, N58A, N58A, L56A, L56A, MEDO, MEDO, MEDO, MEDO, ORTC, ORTC, PIAT, PIAT, WUPA, WUPA, MMNY, MMNY, COHC, COHC, CBB, CBB, CBB, CBB, J55A, J55A, J55A, ROSC, ROSC, P61A, P61A, LUPA, LUPA, SADO, SADO, BARC, BARC, KSPA, KSPA, BUKO, BUKO, BUKO, PAMC, PAMC, K57A, K57A, K57A, K57A, BINY, BINY, BRNJ, BRNJ, BRNJ, BRNJ, DELO, DELO, PECO, PECO, PECO, L59A, L59A, L59A, TRNY, TRNY, J57A, J57A, J57A, J57A, PAL, PAL, FFC, FFC, FFC, FFC, N62A, N62A, TAMC, TAMC, MACC, MACC, SDV, SDV, SDV, SDV, SDV.

1727

Table with columns: Call Sign, Name, Frequency, Power, Mode, Status, and other technical details. Includes stations like W59A Piesco, WBO Williamsburg, WBB Bella Bella, etc.

2019 MAY

Table with columns: Call Sign, Name, Frequency, Power, Mode, Status, and other technical details. Includes stations like DLBC Dease Lake, DLBC Dease Lake, DLBC Dease Lake, etc.

31d 11h

Table with columns: Call Sign, Name, Frequency, Power, Mode, Status, and other technical details. Includes stations like O29M Mount Kennedy, O29M Mount Kennedy, O29M Mount Kennedy, etc.

31d 11h

2019 MAY

1728

Table with columns: EYAK, IAMS_20, IAMS_20, 12 30 22.4, DOT, IAMB, IAMB, 12 06 33.8, CAPN, CAPTAIN, COOK, N, 52.32 334, P, P, 12 06 34.7 -0.3. Includes entries like Cordova Ski Ar, Nabesna, AK, Chitina, Valde, etc.

Table with columns: DOT, IAMB, IAMB, 12 06 33.8, CAPN, CAPTAIN, COOK, N, 52.32 334, P, P, 12 06 34.7 -0.3. Includes entries like PAX PAX, PAX PAX, PAX PAX, etc.

Table with columns: CAPN, CAPTAIN, COOK, N, 52.32 334, P, P, 12 06 34.7 -0.3. Includes entries like I26K, I26K, I26K, etc.

1729

Table with columns: ID, Name, Value, Unit, Status, Date, Change. Includes entries like 018K Koktuh Hills, 018K Koktuh Hills, 018K Koktuh Hills, etc.

2019 MAY

Table with columns: ID, Name, Value, Unit, Status, Date, Change. Includes entries like G24K Hadweenciv Riv, G24K Hadweenciv Riv, G24K Hadweenciv Riv, etc.

31d 11h

Table with columns: ID, Name, Value, Unit, Status, Date, Change. Includes entries like E24K Your Creek, E24K Your Creek, E24K Your Creek, etc.

31d 11h

2019 MAY

1730

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Rate, Elevation Rate, and other parameters. Includes stations like J16K, G19K, F20K, M13K, L14K, D22K, C23K, E21K, I17K, G18K, H17K, BBS0, AC06, F19K, F19K, PDRB, PTLB, E19K, AC02, H03N2, H03N1, H03N3, NIKH, G17K, J14K, B21K, B21K, F18K, B22K, D20K, D20K, K13K, K13K, H16K, H16K, TBI, TBI.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Rate, Elevation Rate, and other parameters. Includes stations like TBI, M11K, D19K, G16K, G16K, F17K, F17K, E18K, E18K, A22K, A22K, B20K, B20K, B20K, G15K, G15K, P08K, E17K, E17K, C19K, C19K, ANM, ANM, F15K, F15K, F15K, SP1A, C18K, C18K, C18K, C18K, A21K, CO01, D17K, D17K, RDOG, RDOG, RDOG, CO03, B18K, B18K, F14K, F14K, F14K, C17K, C17K, A19K, A19K, SALV, SALV, TNA, TNA, TNA, C16K, C16K, C16K, PRPB, PRPB, ZON, ZON, VA05, VA05, EUNU, GAMB, GAMB, GAMB, CFA, CFA, MT01, MT09, MT03, MT13.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Rate, Elevation Rate, and other parameters. Includes stations like SNDB, BO01, BO01, LMEL, LMEL, BO02, BO02, AQDB, AQDB, ML02, ML02, ARAG, ARAG, B102, B102, ICESG, ICESG, SMTB, SMTB, RAR, RAR, RPRD, RPRD, CPUP, CPUP, CPUP, CPUP, CPUP, CPUP, SJPY, SJPY, SMC, SMC, SMC, SMC, SMC, SMC, BDFB, BDFB, BDFB, BDFB, ITRB, ITRB, SOEG, SOEG, PLCA, PLCA, PLCA, PLCA, PLCA, PLCA, IPMB, IPMB, ITQB, ITQB, ITQB, ITQB, LDASE, LDASE, LL02, LL02, BB19B, BB19B, PMNB, PMNB, JANB, JANB, TRQA, TRQA, TRQA, TRQA, DBG, DBG, DBG, DBG, BILL, BILL, DAG, DAG, DAG, DAG, SPB, SPB, DIAM, DIAM, AY03, AY03, BSCB, BSCB, RCBR, RCBR, PET, PET, PET, PET, SEY, SEY, SPITS, SPITS, PEAOB, PEAOB, PEAOB, PEAOB, PETK, PETK, PETK, PETK, MA2, MA2, MA2, MA2, IDGL, IDGL, USHA, USHA.

31Z 13h

Table with columns: QID, Qiongzong, IAMS_20, IAMS_20, 13 24 39.8, etc. Includes stations like Qiongzong, LSA, RAYN, MAW, DDI, KKR, SRGN, etc.

13Z 12:00:20.8:0.6, 25.49S:70.23E, h0km, mb4.0/1.0, mbtmp4.0/10, Error ellipse: s-maj=28.7km s-min=21.7km az=100.0

NEIC 31 12:00:22.5:2.0, 25.4S:0.1:70.20E:0.07, h1km, mb4.3/1.0, Error ellipse: s-maj=24.6km s-min=9.3km az=345.0

ISC 31 12:00:24.0:0.6, 25.5S:0.1:70.2E:0.1, h21km, n28, -080Z22, mb4.0/1.4, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like H08S1, H08S2, H08S3, H04N2, etc.

13Z 12:05:32.1:2.2, 6.39S:129.53E, h0km, mb3.9/1, mbtmp3.7/4, ML3.8/3, Error ellipse: s-maj=91.2km s-min=27.8km az=76.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like FITZ, FITZ, WRA, WRA, ASAR, ASAR, MKAR, etc.

2019 MAY

GUC 31 12:22:19.5:0.6, 47.58S:75.58W, h11km, 7km, ML4.6
IDC 31 12:22:21.0:1.5, 47.65S:74.73W, h0km, mb4.0/5, mbtmp4.0/7, ML3.7/2, MS4.2/2, Error ellipse: s-maj=97.6km s-min=16.7km az=109.0

NEIC 31 12:22:22.0:1.6, 47.53S:0.06:75.5W:0.2, h10km, 1km, mb4.4/35, Mwr4.6(GUC), Error ellipse: s-maj=17.2km s-min=10.1km az=271.0

ISC 31 12:22:20.4:3.0, 47.53S:0.04:75.50W:0.07, h3km, 18km, n94, -019Z95, mb4.3/1.6, 1C-1D, Southern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like COCHRANE, COCHRANE, GOOH, HUDSON, PUERTO CHACABU, etc.

PLCA comp=E, 0.3nm, 0.3s, baz=21.1, slow=17, SNR=3.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like LR05, LR04, USHA, MG01, etc.

ZON comp=Z, 5.2nm, 1.4s

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like CO03, CO06, GO04, GO01, etc.

PLAZ comp=Z, 4.3nm, 1.3s

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BELA, BELA, BDBF, SAML, etc.

173Z

Table with columns: COHC, OTAV, OTAV, ELBA, VNSA, VNSA, VNSA, VNSA, RUSC, RUSC, BAUV, TSUM, TXAR, TX31, etc.

IDC 31 12:48:41.7:1.7, 10.73S:119.34E, h0km, mb3.3/2, mbtmp3.4/6, ML3.4/4, Error ellipse: s-maj=66.0km

ISC 31 12:48:46.3:1.6, 10.8S:0.1:119.5E:0.3, h35km, n6, -0150Z, Sumba Regon

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KAPI, KAPI, FITZ, FITZ, WRA, WRA, ASAR, ASAR, MKAR, MKAR, KURBS, KURBS, etc.

CATAC 31 12:49:18.8:0.7, 13.1N:5.8W, h27km, 4km, M3.9/21, MLV3.9/21, Error ellipse: s-maj=11.4km s-min=4.9km az=30.4, confirmed

SNET 31 12:49:19.0:1.2, 13.10N:89.51W, h36km, ML4.0, GCG 31 12:49:20.1:0.7, 13.18N:89.60W, h48km, 12km, MD4.1

ISC 31 12:49:19.5:1.5, 13.09N:0.07:89.46W:0.04, h30km, 11km, n68, -0659Z73, El Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JAYA, JAYA, JAYA, JAYA, PANCA, PANCA, etc.

NOU 31 13:27:19.2, 14.32S:173.90E, h623km, mb4.6/11, Fiji Islands Region

IDC 31 13:27:20.7:3.3, 14.34S:173.78E, h634km, 43km, mb3.3/11, mbtmp4.3/12, Error ellipse: s-maj=26.6km s-min=20.6km az=147.0

NEIC 31 13:27:20.9:1.5, 14.4S:0.1:173.9E:0.1, h626km, 8km, mb3.3/11, mbtmp4.3/12, Error ellipse: s-maj=26.6km s-min=20.6km az=147.0

mb4.2/77, Error ellipse: s-maj=23.0km s-min=17.2km az=138.0

ISC 31 13:27:18.8±0.5, 14:29S, 0110:173.83E±0.08, h600km, n110, s1900/110, mb4.2/49, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YSA Yasawairara, MSVF Nonsavu, DGTI Dogotuki, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like M27K Edge Creek, R11B Troy Canyon, IL31 comp=2.3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JMA Felt III, JIAM Iburiatsuma, JBT2 Biratori, etc.

SKHL 31 13:48:54.7±0.3, 42°6'N, 141°9'E, h53km±2km, mb4.9/4 JMA 31 13:48:55.0±1.1, 42°8'N, 142°0'E±0.4, h36km±1km, MD4.1/40, MV3.9/40, ISHIKARI DEPRESSION

mb4.5/50,Mwr4.6/12, Error ellipse: s-maj=11.7km s-min=9.1km az=46.0, Moment Tensor Solution, Moment tensor: Scale 10^19Nm; Mr=2.91; Mw=5.24; Mo=1.53; M0=0.27; Mw=5.15; Fault plane solution: Mo=8.95000x10^15 Np1.05,1.31000,0.856.580000, lambda=156.190000, Np2.03,307.60000,0.870.300000, lambda=35.80000. Principal axes: T 8.3696, Plg9.0000, Azm2.0000; N 1.0574, Plg50.0000; Azm103.0000; P 9.4270, Plg39.0000; Azm265.0000;

NEIC 31 14:06:38.4, 1.17N:97.19E, h30km
ISC 31 14:06:36.5-0.5, 1.08N:0.05:97.13E:0.05, h25km, m129, az=19.18, mb4.4/4.5, 1.03N:0.715, Northern Sumatera

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists various stations like Gunungsitoli, Rantau Prapat, Banda Aceh, etc.

Table with columns: HHC, HHC, HHC, WBO, WBO, WRA, WRA, WRAB, WRB, WRB, KSH, KSH, WUS, WUS, AS31, ASAR, ASAR, ASAR, ASAR, TARG, CHGR, BOOM, SIMJ, BTK, BTK, ARSB, KSAR, KSAR, KSAR, KS19, KS19, SONM, SONM, SONM, SONM, MKAR, MKAR, ULN, ULN, KK31, KK31, KKAR, JHJ, KURBB, U0A0B, U0A0B, U0A0B, USRK, USRK, STKA, STKA, ZAA0, ZAA0, ZALV, ZALV, ZALV, ZALV, BVAR, BVAR, AB31, AB31, ABKAR, ABKAR, EIDS, AKTO, H04N2, H04N1, H04N3, H04S1, H04S3, H04S2, KBZ, ASF, BELG, KIRV, NRIR, BRTR, MA2, TIXI, TIXI, SEY, SEY, BUNAR, BUNAR, ARCES, ARCES, D19K, D20K, E19K, F20K, F20K, TOLK, TOLK, K20K, TXAR. Lists various stations and arrays.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like Jazzarot, Chagan-Ulta, Chibit, Ulagan, Elanda, Teeli, Ust-Kan, Yailiyu, Artybash, Gorno-Altaysk, Tashtagol, Makanchi Array, etc.

31d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IKRK Kiruk, IKRH Kafar-mosalman, IKRM Baghdad, etc.

DJA 31 14:34:41.8,0.2,3'S,2.12'12.6E,,h10km,M4,0/18,mb4.7/1, mb4.0/8,MLV3.9/18,Mw(mb)3.9/1
IDC 31 14:34:42.6,2.1,3.0ZS,127.38E,h0km,mb3.6/2, mbmp3.9/4,ML4.0/2,Error ellipse: s-maj=110.6km

s-min=27.0km az=69.0
ISC 31 14:34:39.0,0.8,0.8ZS,0.05:126.18E:0.05,h10km,n29, n25:23/30,Ceram Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SANI Sanana, SANI Sanana, SANI Sanana, etc.

IDC 31 14:37:45.9,33.0,16.52S:175.43W,h0km,mb4.2/1, mbmp4.2/4,Error ellipse: s-maj=635.7km

s-min=150.3km az=84.0,Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 31 14:39:03.5,0.7,15.52S:173.11W,h0km,mb4.1/9, mbmp4.1/9,MS3.3/6,Error ellipse: s-maj=39.2km

s-min=18.1km az=121.0
NEIC 31 14:39:07.0,1.1,15.59S:0.07:172.7W:1.1,h10km,1km, mb4.5/82,Error ellipse: s-maj=21.4km s-min=12.0km az=274.0

ISC 31 14:39:09.7,0.5,15.61S:0.06:172.58W:0.08,h35km, n125,e1908/102,mb4.4/5,MS3.3/6,1D,Samoa Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, NIUE Niue, NIUE Niue, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, TOZ Tahuroa Road, RAGZ Rawiri, etc.

H1S2 WAKE ISLAND HY 39.55 328 T T 15 28 28.1

H1S3 WAKE ISLAND HY 39.56 328 T T 15 28 29.6

H1S1 WAKE ISLAND HY 39.57 328 T T 15 28 34.2

STKA Stephens Creek 44.62 240 LR L 15 04 02.7

WR8 Warramunga Arr 50.41 257 P P 14 48 03.7 -0.4

WRA Warramunga Arr 50.57 257 P P 14 48 03.8 -1.5

AS31 Alice Springs 50.80 252 P P 14 48 06.1 -1.1

ASAR Alice Springs 50.80 252 P P 14 48 06.5 -0.5

ASAR Alice Springs 50.80 252 P P 14 48 01.9 -5.1

ASAR comp=2.54nm,22.0s,baz=88,slow=34 1.9nm,0.6s

2019 MAY

Table with columns: SAUI Saumlaki, SBA Scott Base, VNSA Vanda, etc.

KAPI Kappang 67.17 271 LR LR comp=Z,17nm,18.2s,baz=87,slow=37

YBH Yreka Blue Hor 73.29 37 P P comp=Z,8.0nm,1.5s

DSP Deep Springs 73.56 43 P P comp=Z,4.1nm,1.1s

LHV Little Huntoon 73.72 42 P P comp=Z,2.7nm,0.7s

GRW Greenwater Val 73.75 44 P P comp=Z,2.7nm,0.7s

RYN Ryan 73.93 41 P P comp=Z,2.7nm,0.7s

NVAR Mina Array Bea 73.95 42 P P comp=Z,2.7nm,0.7s

NVAR Mina Array Bea 73.95 42 P P comp=Z,2.7nm,0.7s

GMN Gold Mountain 73.98 43 P P comp=Z,3.6nm,0.8s

PAHR Pah Rah Range 74.03 40 P P comp=Z,4.5nm,1.1s

PAHR Pah Rah Range 74.03 40 P P comp=Z,4.5nm,1.1s

NV11 Mina Array Sit 74.05 42 P P comp=Z,5.3nm,1.1s

NV11 Mina Array Sit 74.05 42 P P comp=Z,5.3nm,1.1s

MZP Montezuma Peak 74.13 43 P P comp=Z,1.3nm,0.8s

QSPA South Pole Qui 74.44 180 P P comp=Z,1.3nm,0.8s

TPH Tonopah 74.45 42 P P comp=Z,2.4nm,1.0s

TPNV Topopah Spring 74.46 44 P P comp=Z,2.4nm,1.0s

J05D Fort Rock, OR 75.11 36 P P comp=Z,2.4nm,1.0s

H04A Detroit Lake 75.47 35 P P comp=Z,2.4nm,1.0s

PRR Pahroc Range 75.51 44 P P comp=Z,2.4nm,1.0s

PRR Pahroc Range 75.51 44 P P comp=Z,2.4nm,1.0s

PINE Pine Mountain 75.60 36 P P comp=Z,2.4nm,1.0s

WVOR Wild Horse Val 76.10 38 P P comp=Z,2.4nm,1.0s

X16A Little Creek M 76.46 48 P P comp=Z,2.4nm,1.0s

LCMT Little Creek M 76.46 48 P P comp=Z,2.4nm,1.0s

I07A Izeze 76.59 36 P P comp=Z,2.4nm,1.0s

J08A Circle Bar Ran 76.75 37 P P comp=Z,2.4nm,1.0s

J08A Circle Bar Ran 76.75 37 P P comp=Z,2.4nm,1.0s

KNB Kanab 76.81 45 P P comp=Z,2.4nm,1.0s

KNB Kanab 76.81 45 P P comp=Z,2.4nm,1.0s

SPR3 Spring Creek 76.85 43 P P comp=Z,2.4nm,1.0s

U15A North Rim 76.87 46 P P comp=Z,2.4nm,1.0s

U15A North Rim 76.87 46 P P comp=Z,2.4nm,1.0s

PSUT Pine Spring 76.91 43 P P comp=Z,2.4nm,1.0s

PSUT Pine Spring 76.91 43 P P comp=Z,2.4nm,1.0s

PSUT Pine Spring 76.91 43 P P comp=Z,2.4nm,1.0s

WUJAZ Wupatki 77.06 47 P P comp=Z,2.4nm,1.0s

ELK Elk 77.22 41 P P comp=Z,2.4nm,1.0s

G08A Pilot Rock 77.64 36 P P comp=Z,2.4nm,1.0s

G08A Pilot Rock 77.64 36 P P comp=Z,2.4nm,1.0s

MVU Marysvale 77.99 44 P P comp=Z,2.4nm,1.0s

MVU Marysvale 77.99 44 P P comp=Z,2.4nm,1.0s

USA0B USSuriyisk Arra 78.02 323 P P comp=Z,2.4nm,1.0s

BMO Blue Mountains 78.31 37 P P comp=Z,2.4nm,1.0s

BMO Blue Mountains 78.31 37 P P comp=Z,2.4nm,1.0s

MFID Camas Ranch 78.35 38 P P comp=Z,2.4nm,1.0s

MFID Camas Ranch 78.35 38 P P comp=Z,2.4nm,1.0s

DUG Dugway, Tooele 78.47 42 P P comp=Z,2.4nm,1.0s

DUG Dugway, Tooele 78.47 42 P P comp=Z,2.4nm,1.0s

HMU Henry Mountain 78.70 45 P P comp=Z,2.4nm,1.0s

HMU Henry Mountain 78.70 45 P P comp=Z,2.4nm,1.0s

TMUT Trail Mountain 79.07 44 P P comp=Z,2.4nm,1.0s

TMUT Trail Mountain 79.07 44 P P comp=Z,2.4nm,1.0s

HLID Hailey 79.29 39 P P comp=Z,2.4nm,1.0s

HLID Hailey 79.29 39 P P comp=Z,2.4nm,1.0s

B08A Colville Reser 79.32 33 P P comp=Z,2.4nm,1.0s

B08A Colville Reser 79.32 33 P P comp=Z,2.4nm,1.0s

HVU Hansel Valley 79.34 41 P P comp=Z,2.4nm,1.0s

HVU Hansel Valley 79.34 41 P P comp=Z,2.4nm,1.0s

SRU San Rafael Sve 79.44 44 P P comp=Z,2.4nm,1.0s

SRU San Rafael Sve 79.44 44 P P comp=Z,2.4nm,1.0s

ML3.6/1, Error ellipse: s-maj=544.9km s-min=35.8km 1736

az=17.0, ISC 31 14:47:45.0:1.6,28.98S:0.05:66.65W:0.05,h12km,13km, n17,c1998/26,Catamarca Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ACLO CERRO LA CRUZ, CYA Choya, VCA Vincha, etc.

KRSC 31 14:56:57.2,1.48:26N:156.87E,h15km,46km,MI3.6, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, ASAK Asacha, RUS Russkaya, etc.

SNET 31 15:01:20.5:1.1,12.73N:89.65W,h20km,21km,ML3.6

GCG 31 15:01:25.9:0.6,13.07N:89.57W,h55km,12km,MD3.9

CATAC 31 15:01:25.9:0.7,13.14N:89.57W,h28km,4km,MS3.6/2, MLV3.6/12,Error ellipse: s-maj=9.5km s-min=5.4km az=21.5,confirmed

ISC 31 15:01:25.3:2.5,13.0N:0.1:89.44W:0.08,h43km,n41, o545/43,Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JAYA Jayaque - finc, JAYA Jayaque - finc, etc.

LBR5 Las Brisas 0.84 27 eP Pn 15 01 41.0 +0.2

TECO Alcala de Te 0.84 50 S Pn 15 01 40.4 -0.3

TECO Alcala de Te 0.84 50 S Pn 15 01 40.2 -0.9

CEVE Cerro Verde 0.85 348 eP Pn 15 01 55.5

PAVA Las Pavas 0.87 34 P Pn 15 01 41.2 0.0

PAVA Las Pavas 0.87 34 P Pn 15 01 42.5 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

NUBE Las Nubes 0.96 340 iP Pn 15 01 55.1 -0.1

SJA 31 14:47:42.9:0.7,28.86S:66.96W,h25km,4km,ML3.8, MW3.8

IDC 31 14:47:43.2:7.0,28.85S:66.62W,h0km,mbmp3.2/1,

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like HUEH Huehuetenango, FG8 Yopocapa, CG16 Alotenango, etc.

IDC 31 15:12:23.9±.1, 51°00N:175°74W, h0km, mb3.2/3, mbtmp3.5/4, ML3.8/1, Error ellipse: s-maj=157.1km s-min=63.5km az=99.0

NEIC 31 15:12:28.1±0.5, 51°4N:1°176°10W:0.05, h31km, 18km, ML2.8(AEIC), Error ellipse: s-maj=16.6km s-min=1.6km az=163.0

AEIC 31 15:12:28.9±1.2, 51°53N:0°09:176°14W:0.04, h50km, 9km, Error ellipse: s-maj=13.3km s-min=1.6km az=164.0

ISC 31 15:12:27.9±0.2, 51°4N:0°1:176°08W:0.05, h31km, 14km, n20, o564/21, Andros of Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like ADK Adak, GSKC Great Sitkin T, GSMY Great Sitkin C, etc.

SOME 31 15:29:45.8, 41°33N:83°75E, h20km NNC 31 15:29:50.3±2.8, 41°45N:83°61E, h6km, 14km, mb4.1, mpv3.8, Error ellipse: s-maj=20.8km s-min=16.6km az=173.0

ISC 31 15:29:52.7±2.3, 41°16N:0°1:83°43E:0.08, h10km, n30, o2561/37, 6C-4D, Southern Xinjiang

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like KTMS Ketmen, SHLS Shalkode, SHLS Shalkode, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like TNSS Tian-Shan, TNSS Zhenyuan, IZV Izvestkoviy, etc.

IDC 31 15:34:55.2±19.0, 17°19'S:178°06W, h467km, 187km, mb2.4, mbtmp4.1/4, Error ellipse: s-maj=103.9km s-min=41.1km az=57.0

ISC 31 15:34:56.2±1.7, 17°16'S:0°3:178°17W:0.3, h500km, n6, o123/7, mb3.6/4, Fiji Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 31 15:53:15.3±0.6, 22°87N:120°76E, h0km, mb3.9/21, mbtmp4.0/25, ML3.7/4, MS3.8/40, Error ellipse: s-maj=17.0km s-min=12.8km az=57.0

NIED 31 15:53:16.1, 22°89N:120°42E, h9km, MW4.9, Moment Tensor Solution. s3 Moment tensor: Scale 10^16Nm; Mn=0.88; Mw=1.72; Mw=0.84; Mw=0.82; Mw=1.75; Mw=0.52; Fault plane solution: N2, 300000±10^16 NP1: o290.00000°, o74.00000°, o5.00000°. NP2: o198.00000°, o65.00000°, o1.64.00000°

JMA 31 15:53:16.1±0.3, 22°9N:0°8:120°4E:1.0, h9km, MD4.7/17, Mw5.0/17, TAIWAN REGION

NEIC 31 15:53:17.5±1.3, 22°88N:0°05:120°48E:0.05, h10km, 1km, mb4.6/51, Error ellipse: s-maj=11.6km s-min=2.9km az=138.0

BUI 31 15:53:18.4, 22°95N:120°50E, h11km, mb4.5/14, mb4.2/33, ML4.3/7, Ms4.3/37, Ms7.4/37

TAP 31 15:53:18.1, 22°92N:120°58E, h13km, ML4.8, B ASIES 31 15:53:18.1, 22°92N:120°58E, h13km, ML4.8, Mw4.5

Moment Tensor Solution. Moment tensor: Scale 10^22Nm; Mn=2.7; Mw=3.3; Mw=3.78; Mw=2.04; Mw=1.10; Mw=5.76; Fault plane solution: Mb8.06234x10^22 NP1: o322.07000°, o324.00000°, o1.65.01000°. NP2: o189.53000°, o70.53000°, o104.32000°. Principal axes: T P1g61.8360°, Azm121.2810°; N P1g13.4880°, Azm4.6660°; P P1g24.2270°, Azm268.4700°

ISC 31 15:53:18.6±0.6, 22°92N:0°01:120°58E:0.01, h17km, 3km, n333, o136/409, mb4.5/56, MS3.8/40, 34C-30D, Taiwan

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like SCST Cishan, SCST Cishan, SGST Jiashian, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC. Includes stations like TWG Pinlang, TWG Pinlang, ECL Taimali, etc.

31d 15h

Table with columns for location, time, and status. Includes entries like Chiawan, Sanyi, Xiulin Townshi, etc.

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Main table with columns for location, time, and status. Includes entries like Taifan, HongShan, Dalian, etc.

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Table with columns for location, time, and status. Includes entries like Namlea, Ulaanbaatar, Sonm, etc.

31d 17h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HEH, ZEY, FINESS, KLR, ARCES, MORC, VRAC, BRG, GERES, KHC, CLL, NCS, NOA, FLT, MOX, GRF, GTT, UBR, MJAR, EKA, BILL, ESDC, SUMG, SOEI, TORD, TOLK, INK, ILAR, LBTB, WRA, WRA, WRA, BOS, YKA, ASAR, and AUSTRALIAN TERRITORY.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ASAR, WRA, FITZ.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VANDA, GSPA, AKASG.

NOU 31 16:45:53.3, 30:79S; 174:62'W, h235km, mb4.3/6, Kermadec Islands Region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like URZ, OUZ, BKZ, BZ, SFZ, ASAR, WRA, GSPA, FINESS.

WEL 31 16:48:11.9, 0.8, 39'S, 177:45'E, h205km, 6km, M2.5/12, MLV2 5/12, Error ellipse: s-maj=8.9km s-min=6.1km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TLZ, HIZ, TWVZ, KRZV, WTVZ, NNZ, COVZ, FWVZ, PKVZ, TVUZ, VRZ, TRVZ, MRHZ, ALRZ, MRHZ, TOZ, MOVZ, RRRZ, BKZ, IGRZ, LRZ, KWHZ, MTHZ, OPRZ, NEZ, WAZ, NMHZ, KHEZ, KHZ, KRHZ, MCHZ, RAHZ, URZ, ARHZ, PNHZ, WHZ, TSZ, RAGZ, SNGZ, OHWZ, ETAZ, KAHZ, WPHZ, MWZ, DWHZ, POWZ, KNZ, RIGZ, TRKZ, PRWZ, HANZ, AWZ, MRZ, TIWZ, KHZ, CPWZ, DUWZ, WMGZ, CAW, MTW, WEL, TCW, MSWZ, PLWZ, NZW, TUWZ, TKNZ, QRZ, BSWZ, MRNZ.

GCG 31 17:10:18.0, 0.3, 13:14N; 89:52'W, h57km, 6km, MD3.7, ML2.1, El Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JAYA, NUBE, MTO3, MONTECRISTO, KOLA, and ISC.

UPP 31 17:00:37.5, 0.1, 67:06N; 20:98E, h0km, ML2.1, Unknown HEL 31 17:00:37.5, 0.1, 67:06N; 20:90E, h0km, ML2.1, Explosion

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DUNU.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ERTU, PAJU, HAKU, KUA, RATU, SALU, LANU, KLF, KALU, SJUU, TOF, HEF, HETTA, KIF, RNF, KTK1, I37NO, RANF, RANF, RANF, OUL, OBF4, OBF4, OBF0, ARCES, ARCES, RAJF, OUF, KU2, OLK, MSF, KEV, KURV, HUSU, VAF, NIF, RMF, FINESS, FINESS, NOA, NOA, HFS, HFS, HFS, SPITS, SPITS.

KOLA 31 17:15:51.8, 67:68N; 34:23E, h0km, ML2.2, Error ellipse: s-maj=3.3km s-min=1.2km az=120.0, Khibiny Massif

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JAYA, NUBE, MTO3, MONTECRISTO.

ISC 31 17:15:50.4, 1.0, 67:66N; 0:04; 23E; 0:05, h0km, n13, a100:22, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LVZ, APA, APAT, KVDA, TERB, PRVG, VADSO, KEV, ARCES, ARCES, ARCES, ARCES, FINESS, FINESS, FINESS, NEIC, UUSS.

Table with columns: Code, Station Name, ML2.6/14, ML2.8/146(NEIC), Error ellipse: s-maj=1.8km s-min=1.5km az=132.0, Utah, Phase ID, Time, Res, ISC, h m s, ISC. Lists various stations like PEUT, WCU, MVU, etc.

Table with columns: PDAR, Pinedale Array, 4.34 25 Pn, Pn, 17 28 45.2 -2.1, Lo Mia Camp, P, 4.46 173, IAML, Pn, 17 28 44.9 -4.0, etc. Lists stations like GWF, GRAC, X18A, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like I40PG, RABL, PMG, etc. Includes detailed event information for I40PG.

IDC 31 17:32:38.3-4.7, 47.61N-92.69W, h0km, mbtmp2.4/1, ML0.7/1, Error ellipse: s-maj=73.4km s-min=28.7km az=53.0, Minnesota

CATAC 31 17:32:41.0-0.5, 13.13'N x 89.9'W, h26km, M3.3/29, MLV0.3/29, Error ellipse: s-maj=5.5km s-min=2.9km az=25.7, confirmed El Salvador

Plg14.0000°, Azm359.0000°; N - 0.0553, Plg70.0000°, Azm132.0000°; P - 1.4794, Plg14.0000°, Azm265.0000°; IDC 31 17:50:29.2, 0.5, 4.91S, 151.43E, h0km, mb4.7/25, mbtmp4.8/29, ML3.9/4, MS4.9/53, Error ellipse: s-maj=18.1km s-min=11.1km az=89.0

NEIC 31 17:50:29.8, 4.94S; 151.26E, h12km, Moment Tensor Solution. Duration: 2.7 Moment tensor: Scale 10^17Nm; Mrr=0.30; Mss=1.74; Mss=1.45; Mss=0.24; Mss=0.69; Mss=0.40; Fault plane solution: M1: 82.0000x10^17 Np1: 0.302, 9.1000°, 87.4, 050000°, -4, 460000°. NP2: 36.34, 140000°, 385, 720000°, -1, 64, 000000°. Principal axes: T 1.9317, Plg8.0000°, Azm167.0000°; N - 0.2841, Plg73.0000°, Azm49.0000°; P - 1.6776, Plg140.0000°, Azm260.0000°; MOS 31 17:50:29.4, 1.5, 4.96S, 151.40E, h14km, mb5.3/38, MS5.1/4. Error ellipse: s-maj=8.5km s-min=5.5km az=111.6

NEIC 31 17:50:29.8, 4.94S; 151.46E, h12km, BJI 31 17:50:30.7, 4.55S; 151.76E, h11km, mb5.5/53, mb4.8/79, MS5.1/87, MS7.5/0/66

NEIC 31 17:50:31, 4.94S; 151.43E, h16km, GCMT 31 17:50:32.9, 0.1, 4.97S; 151.33E, h12km, MW5.5/161, Moment Tensor Solution. s134,c231; s161,c330; Duration: 1.3 Moment tensor: Scale 10^17Nm; Mrr=0.12, Mss=0.02, Mss=1.52, Mss=0.23; Mrr=0.59; 0.02; Mrr=0.28; 0.4; Best double couple: M2: 0.4000x10^17 Np1: 30.37, 000000°, 88.000000°, -1, 10, 000000°. NP2: 306.000000°, 887, 000000°, -1, 10, 000000°. Principal axes: T 2.0940, Plg5.0000°, Azm352.0000°; N - 0.0870, Plg79.0000°, Azm108.0000°; P - 2.0010, Plg10.0000°, Azm261.0000°; s1a1 refers to body waves, cutoff=40s. s1a2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 31 17:50:41.0, 0.6, 5 S; 4.15 E; 15.1 E; h69km, M5.3/42, mb5.3/42, mb5.8/34, MLV6.0/1, MW(mE)5.3/34, Mw(mE)5.2/18, Mw(mE)5.4/18

ISC 31 17:50:31.8, 0.4, 4.97S; 0.03, 151.50E; 0.03, h18km, 116km, pp-P, n415, z2517/426, mb5.2/140, MS5.0/94, h8C-NP New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like I40PG, RABL, PMG, etc. Includes detailed event information for I40PG.

31d 17h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like QLP, QUENC, PINNC, KNRA, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TPUB, MORW, RPZ, NWAQ, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like USA0B, USA0B, TIA, etc.

TYV	comp=Z,27nm,1.1s		pmax	pmax			
TYV	comp=Z,300nm,3.2s		smax	smax			
TYV	comp=N,400nm,5.3s		smax	smax			
TYV	comp=E,600nm,5.3s		MLR	MLR			
KLR	comp=Z,1µm,16.0s		P	P	18 00 13.9	-0.1	
KLR	comp=Z,10nm,1.0s,baz=143,slow=5.4,SNR=25		LR	LR	18 21 20.1		
KLR	comp=Z,1µm,21.8s,baz=172,slow=33		P	P	18 00 14.6	+0.6	
KLR	comp=Z,10nm,1.0s		pmax	pmax			
CMAR	comp=Z,64nm,2.5s		P	P	18 00 14.1	-1.4	
CMAR	comp=Z,10nm,1.0s,baz=111,slow=5.1,SNR=36		P	P	18 00 15.9	+0.4	
CMAR	comp=Z,1.5nm,0.9s,baz=286,slow=4.4,SNR=6.5		P	P	18 30 20.2	+1.0	
CMAR	comp=Z,10nm,1.0s		P	P	18 00 17.2	+1.7	
CHTO	comp=Z,19nm,0.9s		P	P	18 00 14.6	-1.7	
CHTO	comp=Z,71nm,1.3s		I/Amb	I/Amb	18 00 22.9		
CHTO	comp=Z,71nm,1.3s		P	P	18 00 14.6	-1.7	
GRNR	comp=Z,71nm,1.3s		i/P	i/P	18 00 16.7	+0.1	
GRNR	comp=Z,2.0nm,0.8s		P	P	18 00 21.3	+1.3	
PZH	comp=Z,10.0nm,1.3s		S	S	18 08 18.0	+1.4	
PZH	comp=Z,140nm,3.5s		pmax	pmax			
PZH	comp=Z,330nm,21.0s		LR	LR			
PZH	comp=Z,520nm,20.6s		LR	LR			
CD2	comp=Z,610nm,23.5s		LR	LR			
CD2	comp=Z,20nm,0.7s		pmax	pmax			
CD2	comp=Z,250nm,5.0s		LR	LR			
CD2	comp=Z,750nm,17.2s		LR	LR			
CD2	comp=Z,1µm,17.2s		LR	LR			
PET	comp=Z,10nm,1.0s		eP	eP	18 00 20.7	-3.3	
PET	comp=Z,10nm,1.0s		eS	eS	18 08 20.3	-3.8	
PET	comp=Z,10nm,1.0s		SS	SS	18 12 17.1	+1.2	
PET	comp=Z,100nm,13.3s		pmax	pmax			
PET	comp=Z,200nm,11.8s		pmax	pmax			
PETK	comp=Z,20nm,1.0s		P	P	18 00 24.2	+0.1	
PETK	comp=Z,9.2nm,1.0s,baz=151,slow=6.8,SNR=6.1		LR	LR	18 20 36.1		
XLT	comp=Z,837nm,20.4s,baz=188,slow=31		eP	eP	18 00 25.8	+0.9	
XLT	comp=Z,9.2nm,1.0s		sP	sP	18 00 33.5	+0.6	
XLT	comp=Z,14nm,1.1s		S	S	18 08 30.3	+4.6	
XLT	comp=Z,870nm,18.2s		LR	LR			
HHC	comp=Z,29nm,0.7s		eP	eP	18 00 30.0	+3.1	
HHC	comp=Z,270nm,4.5s		pP	pP	18 00 35.3	+0.4	
HHC	comp=Z,270nm,4.5s		S	S	18 08 30.3	+0.9	
HHC	comp=Z,270nm,4.5s		ScS	ScS	18 10 13.3	-2.8	
HHC	comp=Z,29nm,0.7s		SS	SS	18 12 23.5	+1.4	
HHC	comp=Z,270nm,4.5s		pmax	pmax			
HHC	comp=Z,270nm,4.5s		LR	LR			
HHC	comp=Z,720nm,20.2s		LR	LR			
HHC	comp=Z,1µm,19.2s		LR	LR			
HEH	comp=Z,2µm,19.6s		LR	LR			
HEH	comp=Z,11nm,0.9s		eP	eP	18 00 28.5	-0.6	
HEH	comp=Z,240nm,4.2s		sP	sP	18 00 38.5	+1.4	
HEH	comp=Z,870nm,20.0s		PP	PP	18 02 37.3	-2.1	
HEH	comp=Z,600nm,22.0s		S	S	18 08 36.0	+2.4	
HEH	comp=Z,1µm,20.2s		pmax	pmax			
PPT	comp=Z,1µm,20.2s		LR	LR			
PPT2	comp=Z,483nm,21.2s,baz=276,slow=32		LR	LR	18 21 24.9		
PPT2	comp=Z,72nm,22.0s		eP	eP	18 00 34.4	+3.8	
PPT2	comp=Z,321nm,24.0s		eS	eS	18 08 32.6	-3.6	
PPT2	comp=Z,2µm,26.5s		eLQ	eLQ	18 15 15.3		
PPT2	comp=Z,1µm,22.8s		eLR	eLR	18 17 42.5		
PPT2	comp=Z,970nm,23.8s		eLR	eLR	18 17 50.4		
BTO	comp=Z,32nm,1.4s		LR	LR			
BTO	comp=Z,200nm,14.0s		LR	LR			
BTO	comp=Z,300nm,13.0s		LR	LR			
BTO	comp=Z,1µm,20.9s		LR	LR			
BTO	comp=Z,4µm,22.5s		LR	LR			
TNCH	comp=Z,32nm,1.4s		LR	LR			
TNCH	comp=Z,200nm,14.0s		LR	LR			
TNCH	comp=Z,300nm,13.0s		LR	LR			
TNCH	comp=Z,820nm,17.5s		LR	LR			
TBI	comp=Z,351nm,23.5s		eP	eP	18 00 32.9	-2.7	
TBI	comp=Z,3µm,38.5s		eS	eS	18 08 46.8	+1.1	
TBI	comp=Z,604nm,24.5s		eSS	eSS	18 12 41.8	+0.1	
TBI	comp=Z,21µm,35.0s		eLQ	eLQ	18 15 38.8		
TBI	comp=Z,8µm,28.2s		eLR	eLR	18 18 02.4		
TBI	comp=Z,2µm,35.5s		eLR	eLR	18 18 11.2		
LZH	comp=Z,2µm,35.5s		eP	eP	18 00 43.8	+2.8	
LZH	comp=Z,10nm,1.0s		sP	sP	18 00 53.8	+4.8	

LZH	comp=Z,45nm,1.3s		S	S	18 08 57.5	+1.7	
LZH	comp=Z,280nm,4.4s		pmax	pmax			
LZH	comp=Z,650nm,15.1s		LR	LR			
LZH	comp=Z,750nm,15.5s		LR	LR			
LZH	comp=Z,970nm,15.8s		LR	LR	18 22 21.5		
SHEM	comp=Z,2µm,21.6s,baz=204,slow=32		LR	LR	18 00 52.8		
HIA	comp=Z,29nm,1.0s		I/Amb	I/Amb	18 00 51.2	+0.7	
ZEA	comp=Z,29nm,1.0s		eP	eP	18 00 51.2	+0.7	
ZEA	comp=N,100nm,3.5s		eS	eS	18 01 26.0		
ZEA	comp=Z,100nm,3.6s		pmax	pmax	18 09 16.1	+2.5	
ZEA	comp=N,10.0nm,0.8s		pmax	pmax			
ZEA	comp=Z,20nm,1.2s		pmax	pmax			
ZEA	comp=E,100nm,11.4s		smax	smax			
GTA	comp=Z,47nm,1.1s		P	P	18 01 14.0	+3.4	
GTA	comp=Z,29nm,1.0s		S	S	18 09 55.5	+3.9	
GTA	comp=Z,29nm,1.0s		SS	SS	18 14 06.3	+2.7	
GTA	comp=E,13nm,1.7s		pmax	pmax			
GTA	comp=E,220nm,6.4s		LR	LR			
GTA	comp=E,420nm,18.7s		LR	LR			
GTA	comp=E,480nm,18.7s		LR	LR			
CIT	comp=Z,670nm,24.3s		eP	eP	18 01 13.5	+0.7	
CIT	comp=Z,670nm,24.3s		e	e	18 01 37.7		
CIT	comp=Z,670nm,24.3s		e	e	18 03 34.6		
CIT	comp=Z,670nm,24.3s		e	e	18 05 18.0		
CIT	comp=Z,107nm,2.3s		pmax	pmax			
ULN	comp=Z,107nm,2.3s		P	P	18 01 12.3	-1.8	
ULN	comp=Z,107nm,2.3s		I/Amb	I/Amb	18 01 36.0		
ULN	comp=Z,67nm,1.8s		P	P	18 01 12.3	-1.8	
ULN	comp=Z,67nm,1.8s		pmax	pmax			
SOMN	comp=Z,67nm,1.8s		P	P	18 01 15.0	-1.1	
SOMN	comp=Z,45nm,1.6s		I/Amb	I/Amb	18 01 33.3		
SOMN	comp=Z,2.6nm,0.6s,baz=142,slow=6.5,SNR=20		P	P	18 01 17.1	+1.0	
SOMN	comp=Z,1µm,20.4s,baz=129,slow=36		LR	LR	18 29 44.3		
SOMN	comp=Z,0.2nm,0.3s,baz=321,slow=1.9,SNR=4.4		P	P	18 30 01.1	+8.1	
SOMN	comp=Z,2.6nm,0.6s		PKPKPK	PKPKPK			
SOMN	comp=Z,2.6nm,0.6s		P	P	18 01 15.0	-1.1	
SOMN	comp=Z,45nm,1.6s		pmax	pmax			
GOMU	comp=Z,45nm,1.6s		P	P	18 01 26.0	+2.0	
GOMU	comp=Z,12nm,1.6s		sP	sP	18 01 34.8	+2.8	
GOMU	comp=Z,12nm,1.6s		pmax	pmax	18 10 05.8	-1.1	
GOMU	comp=Z,790nm,18.3s		LR	LR			
GOMU	comp=Z,640nm,18.0s		LR	LR			
GOMU	comp=Z,960nm,16.5s		LR	LR			
SEY	comp=Z,24nm,2.5s		LR	LR	18 26 48.8		
SEY	comp=Z,861nm,21.8s,baz=183,slow=32		LR	LR	18 01 28.9	+1.0	
SEY	comp=Z,24nm,2.5s		pmax	pmax			
TAOE	comp=Z,278nm,28.3s		eS	eS	18 10 25.5	-3.0	
TAOE	comp=Z,278nm,28.3s		eLR	eLR	18 22 02.1		
TAOE	comp=Z,2µm,33.0s		eLR	eLR	18 01 34.8	-0.5	
YAK	comp=Z,714nm,21.5s,baz=151,slow=34		P	P	18 29 38.3		
YAK	comp=Z,714nm,21.5s,baz=151,slow=34		LR	LR			
YAK	comp=Z,714nm,21.5s,baz=151,slow=34		eP	eP	18 01 36.6	+1.3	
YAK	comp=Z,714nm,21.5s,baz=151,slow=34		ePP	ePP	18 01 47.0	+3.6	
YAK	comp=Z,714nm,21.5s,baz=151,slow=34		eS	eS	18 02 00.2		
YAK	comp=Z,714nm,21.5s,baz=151,slow=34		eS	eS	18 04 03.7		
YAK	comp=Z,714nm,21.5s,baz=151,slow=34		eS	eS	18 10 38.7	+0.3	
YAK	comp=Z,714nm,21.5s,baz=151,slow=34		eSS	eSS	18 11 32.4		
YAK	comp=Z,38nm,1.4s		pmax	pmax	18 15 04.4	+0.3	
YAK	comp=E,3.0nm,1.0s		pmax	pmax			
YAK	comp=N,11nm,1.3s		pmax	pmax			
YAK	comp=Z,207nm,4.1s		pmax	pmax			
YAK	comp=N,144nm,4.1s		pmax	pmax			
YAK	comp=E,56nm,3.7s		smax	smax			
YAK	comp=N,255nm,9.9s		smax	smax			
YAK	comp=E,200nm,12.6s		MLR	MLR			
YAK	comp=Z,956nm,19.0s		MLR	MLR			
YAK	comp=N,513nm,16.0s		MLR	MLR			
ZAK	comp=E,200nm,19.0s		MLR	MLR			
ZAK	comp=Z,28nm,1.2s		eP	eP	18 01 36.7	+0.5	
BOD	comp=Z,28nm,1.2s		eP	eP	18 01 40.0	+0.9	
BOD	comp=Z,21nm,1.8s		pmax	pmax			
IRK	comp=Z,50nm,2.3s		eP	eP	18 01 42.3	+2.2	
IRK	comp=Z,50nm,2.3s		pmax	pmax			
MOY	comp=Z,50nm,2.3s		eP	eP	18 01 50.0	+2.0	
MOY	comp=Z,77nm,2.6s		pmax	pmax			
VNDA	comp=Z,4.8nm,1.0s,baz=325,slow=6.1,SNR=12		P	P	18 01 59.5	+1.1	
VNDA	comp=Z,536nm,20.0s,baz=358,slow=32		LR	LR	18 29 44.2		
VNDA	comp=Z,4.8nm,1.0s		LR	LR			
RKT	comp=Z,853nm,25.0s		eS	eS	18 16 27.7	+0.9	
RKT	comp=Z,548nm,34.2s		eSS	eSS	18 11 04.9	-2.6	
RKT	comp=Z,8µm,35.0s		eLQ	eLQ	18 21 12.6		
RKT	comp=Z,7µm,30.2s		eLR	eLR	18 24 15.8		
BILL	comp=Z,7µm,30.2s		P	P	18 02 02.9	-0.7	
BILL	comp=Z,7µm,30.2s		6eP	6eP	18 02 04.6	+1.0	
BILL	comp=Z,8.0nm,1.3s		pmax	pmax			
WMQ	comp=Z,480nm,19.3s		eP	eP	18 02 12.5	0.0	
WMQ	comp=Z,480nm,19.3s		LR	LR			
WMQ	comp=Z,400nm,18.1s		LR	LR			
WMQ	comp=Z,480nm,19.3s		LR	LR			
HYB	comp=Z,480nm,22.7s		eP	eP	18 02 13.0	-1.9	
HYB	comp=Z,480nm,22.7s		eS	eS	18 11 54.1	-0.1	
K15K	comp=Z,40nm,1.4s		P	P	18 02 16.9	-0.9	
K15K	comp=Z,40nm,1.4s		I/Amb	I/Amb	18 02 53.7		
N18K	comp=Z,240nm,1.4s		P	P	18 02 23.6	-0.6	
N18K	comp=Z,240nm,1.4s		I/Amb	I/Amb	18 02 49.5		
K17K	comp=Z,61nm,1.9s		P	P	18 02 26.5	+0.7	
K17K	comp=Z,61nm,1.9s		I/Amb	I/Amb	18 03 01.8		
V17K	comp=Z,36nm,1.4s		P	P	18 02 25.7	-1.0	

L18K	comp=Z,43nm,1.6s		77.72	22	I/Amb	I/Amb	18 03 02.8
TIXI	comp=Z,351nm,19.8s		77.90	353	P	P	18 02 26.9
TIXI	comp=Z,351nm,19.8s		77.90	353	LR	LR	18 36 47.6
TIXI	comp=Z,10.0nm,0.9s		77.90	353	i/P	i/P	18 02 30.2
TIXI	comp=Z,10.0nm,0.9s				pmax	pmax	+2.0
ZSN	comp=Z,16nm,1.3s</						

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Table with columns: J05D, Fort Rock, OR, 91.38, 47, P, Iamb, 18 03 35.5 -1.7, 18 03 42.7, 18 03 43.6 -0.7, 18 03 48.0 -4.6, 18 03 43.1 -2.8, 18 03 46.1 +0.2, 18 40 56.3, 18 39 19.3, 18 42 15.3, 18 03 50.3 -2.6, 18 04 05.9, 18 03 50.3 -2.6, 18 03 54.9 -2.0, 18 03 55.9 -1.3, 18 04 04.2, 18 03 55.9 -1.3, 18 47 23.1, 18 03 59.3 +2.1, 18 07 50.7, 18 14 33.9 +1.3, 18 21 43.6 -0.6, 18 47 55.4, 18 03 58.6 0.0, 18 43 34.6, 18 04 03.4 +4.0, 18 04 08.7, 18 04 03.6 -3.9, 18 04 17.2, 18 04 09.5 -3.5, 18 04 20.6, 18 44 16.7, 18 04 15.7 -0.5, 18 04 27.5 +4.2, 18 04 24.1 +0.9, 18 04 29.5 +0.7, 18 04 28.4 -3.9, 18 08 45.7, 18 15 03.0, 18 17 52.2 -7.0, 18 23 29.3 -4.2, 18 27 20.8, 18 04 34.6 -3.1, 18 08 56.4, 18 04 45.5 +5.0, 18 09 02.5 +0.3, 18 09 15.6 +3.1, 18 09 20.4 +4.8, 18 10 03.7 +0.7, 18 10 12.1 +4.4, 19 03 00.0, 19 01 30.0, 19 01 30.0, 19 02 00.0, 19 02 10.0, 18 09 33.5 +8.1, 18 09 33.5 +8.1, 18 09 32.0, 18 09 29.9 +4.0, 18 09 33.1, 18 20 54.0 -1.2, 18 27 45.0 +6.7, 19 02 10.0, 18 09 28.1 +0.6, 19 02 20.0, 19 01 30.0, 19 03 00.0, 18 09 29.8 +1.3, 18 09 28.4 -0.1, 18 09 27.1 -1.4, 18 09 31.2 +1.4, 18 09 30.0 -1.3, 18 09 33.4 +0.8, 18 09 34.6 +1.5, 18 09 34.4 +1.0, 18 09 34.4 +1.4, 18 09 33.7 -0.1, 18 09 54.0 -0.3, 18 09 58.4 -0.4, 18 12 52.5 +3.3, 18 10 11.0 -3.3, 18 14 28.7 -3.1, 18 10 16.8 -3.7, 18 10 28.9 +1.6

2019 MAY

Table with columns: BDFB, Brasilia, 151.84, 137, PKKf, PKPdf, 18 10 16.8 -3.7, 18 03 43.6 -0.7, 18 03 48.0 -4.6, 18 03 43.1 -2.8, 18 03 46.1 +0.2, 18 40 56.3, 18 39 19.3, 18 42 15.3, 18 03 50.3 -2.6, 18 04 05.9, 18 03 50.3 -2.6, 18 03 54.9 -2.0, 18 03 55.9 -1.3, 18 04 04.2, 18 03 55.9 -1.3, 18 47 23.1, 18 03 59.3 +2.1, 18 07 50.7, 18 14 33.9 +1.3, 18 21 43.6 -0.6, 18 47 55.4, 18 03 58.6 0.0, 18 43 34.6, 18 04 03.4 +4.0, 18 04 08.7, 18 04 03.6 -3.9, 18 04 17.2, 18 04 09.5 -3.5, 18 04 20.6, 18 44 16.7, 18 04 15.7 -0.5, 18 04 27.5 +4.2, 18 04 24.1 +0.9, 18 04 29.5 +0.7, 18 04 28.4 -3.9, 18 08 45.7, 18 15 03.0, 18 17 52.2 -7.0, 18 23 29.3 -4.2, 18 27 20.8, 18 04 34.6 -3.1, 18 08 56.4, 18 04 45.5 +5.0, 18 09 02.5 +0.3, 18 09 15.6 +3.1, 18 09 20.4 +4.8, 18 10 03.7 +0.7, 18 10 12.1 +4.4, 19 03 00.0, 19 01 30.0, 19 01 30.0, 19 02 00.0, 19 02 10.0, 18 09 33.5 +8.1, 18 09 33.5 +8.1, 18 09 32.0, 18 09 29.9 +4.0, 18 09 33.1, 18 20 54.0 -1.2, 18 27 45.0 +6.7, 19 02 10.0, 18 09 28.1 +0.6, 19 02 20.0, 19 01 30.0, 19 03 00.0, 18 09 29.8 +1.3, 18 09 28.4 -0.1, 18 09 27.1 -1.4, 18 09 31.2 +1.4, 18 09 30.0 -1.3, 18 09 33.4 +0.8, 18 09 34.6 +1.5, 18 09 34.4 +1.0, 18 09 34.4 +1.4, 18 09 33.7 -0.1, 18 09 54.0 -0.3, 18 09 58.4 -0.4, 18 12 52.5 +3.3, 18 10 11.0 -3.3, 18 14 28.7 -3.1, 18 10 16.8 -3.7, 18 10 28.9 +1.6

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Table with columns: H04N3, CROZET ISLANDS, 25.07, 212, T, T, 18 53 58.3, 18 10 02.2, 19 10 01.0, 19 10 02.7, 18 29 57.0 -0.4, 18 31 29.8 -1.8, 18 32 07.4 0.0, 18 33 50.9 -1.3, 18 34 12.0 +0.5, 18 34 33.9 +2.0, 18 34 34.5 +1.2, 18 31 16.8 +0.2, 18 31 18.8 +0.2, 18 31 19.0 -0.3, 18 31 20.4 +0.8, 18 31 20.0 +0.6, 18 31 28.5 +0.3, 18 31 22.9 +0.0, 18 31 22.7 -0.1, 18 31 25.1 -1.1, 18 31 26.1 -0.1, 18 31 27.1 -0.4, 18 31 27.0 -0.9, 18 31 28.5 -1.2, 18 31 29.0 -0.1, 18 31 29.4 0.0, 18 31 29.7 0.0, 18 31 29.6 -0.5, 18 31 30.3 -0.2, 18 31 30.4 -0.1, 18 31 32.4 -0.8, 18 31 35.6 +0.2, 18 31 36.3 +0.5, 18 31 36.7 -0.6, 18 31 37.9 -0.2, 18 31 40.0 -2.7, 18 31 48.9 -0.1, 18 12 16.6 +0.1, 18 12 17.9 -0.2, 18 12 24.6 +0.4, 18 12 31.9 +1.0, 18 12 24.6 +0.3, 18 12 19.1 +0.6, 18 12 26.5 +0.1, 18 12 34.6 +0.3, 18 12 26.9 0.0, 18 12 29.5 -0.4, 18 12 27.0 +0.1, 18 12 35.6 0.0, 18 12 27.5 0.0, 18 12 36.6 -0.1, 18 12 29.5 -0.5, 18 12 35.2 -0.3, 18 12 37.5 +0.7, 18 12 52.1 -0.8, 18 13 20.1 +0.6, 18 13 05.1 -0.7, 18 19 08.9 +0.6, 18 19 23.7 +0.1, 18 19 06.4 -3.3, 18 19 10.2, 18 19 34.9 +0.4, 18 19 11.1 +0.3, 18 19 28.4 -8.2, 18 19 33.9, 18 19 13.0 +0.5, 18 19 39.9 +0.1, 18 19 40.0, 18 19 18.8 +0.7, 18 19 48.7 -0.8, 18 19 23.2 +1.2, 18 19 57.1 +0.5, 18 19 57.4, 18 19 58.5, 18 19 25.6 +0.9, 18 19 57.9 -3.5, 18 20 03.5, 18 19 27.1 +1.0, 18 19 27.9, 18 19 27.4 +1.1, 18 20 04.4 +0.1, 18 20 05.7, 18 19 28.4 +1.7, 18 19 54.9 -1.0, 18 19 27.1 +0.6, 18 19 31.0 -1.0, 18 20 02.8, 18 19 27.1 -0.1, 18 19 27.9, 18 20 05.5 -0.4, 18 19 27.9 +0.4, 18 20 06.3 -0.5, 18 20 07.1, 18 19 30.5 +1.5, 18 20 06.4 -2.8, 18 19 12.3, 18 19 34.7 +5.6, 18 19 34.9, 18 19 33.1 +2.7, 18 19 34.0 -3.8, 18 19 13.6 -3.5, 18 20 18.6, 18 19 36.7 +0.3, 18 19 38.2 +1.0, 18 19 26.4 +2.5, 18 20 30.2

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like CFA, CFA, CFA, El Pedregal, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like MPOM, Morne Pois Mar, MPOM, FUNV, FUNVIS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like PINNC, Pines Island, DZM, Mont Dzumac, etc.

AEIC 31 19:26:52.8;0.7;54.48N;0.07;163.49W;0.10, h80km, 5km, Error ellipse: s-maj=11.6km s-min=4.8km az=1.0

NEIC 31 19:26:53.7;0.6;54.53N;0.1;163.5W;0.1, h82km, 6.8km, M.L3.0/16, M.L2.7(AEIC), Error ellipse: s-maj=18.1km s-min=1.6km az=149.0, Unimak Island region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like ISLZ, Isanotski Laza, ISLZ, Shishaldin Sou, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like TDBA, Terre de Bas, MAGL, Barre de l'ile, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like RAR, Rarotonga, CTAO, Charters Tower, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like PSIA, Pavlof South-1, AHB, Akutan Harbor, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like ABD, La Joyeuse, An Macapo, MAPY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like STKA, Stephens Creek, STKA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like AKMO, Akutan Morgan, UNV, Unalaska Valle, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like SDV, Santo Domingo, SDV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like AS31, Alice Springs, ASAR, etc.

TRN 31 19:29:07.2, 10:63N;62.48W, h30km, MD3.7, Paria Peninsula

FUNV 31 19:29:07.9, 10:51N;62.33W, h44km, MW4.3

NEIC 31 19:29:08.0, 1.3, 10:69N;0.09;62.53W;0.09, h68km, 7km, mb4.6/8, Error ellipse: s-maj=16.0km s-min=9.4km az=138.0

IDC 31 19:29:08.9, 1.3, 10:77N;62.59W, h80km, 1.1km, mb3.6/16, mbmp3.9/18, Error ellipse: s-maj=17.3km s-min=8.2km az=135.0

ISC 31 19:29:09.0, 8.1055N;0.04;62.54W;0.04, h65km, 8km, n102, r156/143, mb4.0/20, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like RUSC, La Rusia, SDDR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like GUC, San Pedro de A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like PSMG, Mucurapo Girls, PSMG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like YKA, Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like G002, Mina Guanaco, G002, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like PCRV, Puerto La Cruz, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like YHL, Hebgren Lake, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like G002, Mina Guanaco, G002, etc.

31d 19h

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, ISC. Rows include PB08 IPOC Station P, TA01 Diego Aracena, G003 Copiapo, PB11 IPOC Station P.

IDC 31 19:56:12.6;7.4, 181.70N;145.35E, h478km, 73km, mb2, 8/5, mbmp3,87, Error ellipse: s-maj=58.9km s-min=34.2km az=175.0

ISC 31 19:56:11.8;2.1, 19.0N;0.4;145.4E;0.2, h450km, n8, o586/8, mb3.1/5, Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, ISC. Rows include JOW Kunigami, MJAR Matsushiro Arr, MKAR Makachi Array, KURBS Kurchatov Arr, ILAR Eielson Array, YKA Yellowknife Ar, NVAR Mina Array Bea, LPAZ La Paz.

UCR 31 19:57:48.3;1.1, 9.27N;82.72W, h1km, 3km, MW3.5
UPA 31 19:57:48.4;1.4, 9.25N;82.74W, h8km, 8km, MW3.0
ISC 31 19:57:49.2;1.0, 9.23N;0.02;82.75W;0.02, h13km, gkm, n59, o58177, 4C, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, ISC. Rows include ALCO Alturas Coton, LPLA Las Palmas La, RGM0 Gandoca, BRIBI Bribri, BCP3 Paso Ancho, BRU2 Volcan, BRU2 Volcan, BRU2 Volcan, BRU2 Volcan, CEUA Cerro Uatsi, L, MLIR3 Monte Lirio, C, TBS2 Oeate 158, Vol, ED2P Potrero Grande, DRKO Durika, DRKO Durika, CLLR4 Cordillera, BOTLY Boquete Panama, BOSF3 Alto Boquete, SCZRO Santa Cruz, Re, BUIRE Buenos Aires, PTAR3 Potrerillos Ar, PBNVO Puelo Nuevo, FIMO Fila Muro, MCANO Manzanana, Boque, RBALA Bur, PSOM3 Paja de Sombre, PSOM3, EDAD Golfito, SAJE San Jernim, EDPE Peibayate, VERJ Veraguera Rainfo, GUAL3 Gualaca, Chiri, DVD David, GUAyabal, Coch, CSSTB De las Acacias, LOCO3 Loma Colorada, LOCO3, PEDE3 Pedregal, Chir, PEDE3, KKNTU Kakint, RESJ San Isidro, TVCV VTCV, Calle Va, CVTV Tajo, PIEC Cerro El Cedra, CVTG Turrialba Volc, TRT2 Tortuguero, CVTR Volcan Turrial, VTLA Turrialba Volc, LCR2 La Lucha 2, ABE2 San Pablo, PDCAN Manzanana, Fuen, ISECA Islas Secas, PICV PH, Pirris, ACOS Acosta, PAR1A Puntarenas Pro, VBV1 V. Barva, TRT2 Tortuguero, VPTA V. Platanar, GMAL Guarumal, Vera, ARE1 Arenal 1, VARE2 V. Arenal, AZU Azuero.

IDC 31 19:58:07.4;2.0, 21.16S;179.09W, h599km, 22km, mb3/7/21, mbmp4/6/23, Error ellipse: s-maj=16.7km s-min=10.3km az=73.0

NEIC 31 19:58:07.1;4.1, 21.17S;0.09;179.0W;0.1, h603km, gkm, mb4.5/11.3, Error ellipse: s-maj=15.6km s-min=13.0km az=102.0

ISC 31 19:58:08.5;0.3, 21.21S;0.06;179.11W;0.07, h619km, n223, o995/223, mb4.5/77, 12C-12D, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, ISC. Rows include MSVF Nonavsu, FUTU Fugatoga, RAO Raoul Island, NIUE Niue, PINNC Pines Island, DZM Mont Dzumac, TOZ Tahuroa Row, URZ Urewera.

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Main table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, ISC. Rows include RTZ Ruatahunu, BKZ Black Stump Fm, BKZ, NREL Nelson, MRNZ Matariki Terra, LTZ Lake Taylor, ARMA Mavora Lakes, ARMA Armidale, CTAO Charters Tower, CTAO, PMG Port Moresby, TOO Toolangi, STKA Stephens Creek, STKA Stephens Creek, BBOO Buckleboo, BBOO, JAY Jayatuli, WRR Warramunga Arr, WRR, AS31 Alice Springs, ASAR Alice Springs, WBO Warramunga Arr, WBO, WRA Warramunga Arr, WRA, DHH Diamond Head, KNR Kaimurua, FAH Fak Fak, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, TNTI Ternate, MBWA Marble Bar, MBWA, SBA Scott Base, SBA, VANDA Vanda, VANDA, MMRI Maumere, MORW Morawa, GIRL Girilgama, GIRL, TOLJ Tolitoli, CASY Casey, JHUJ Mitsune, JPSA South Pole Qui, GSPA South Pole Qui, UGM Wanagama, KKM Kota Kinabalu, JGF Kuroka, MAJO Matushiro, MAJO, MJBJ Matsu-Tunnel, MJBJ, JMN Monobe, JMT Nemabayashi, JNU Nakatsue, JNU, KSM Kuching, KIWB Kinaga Island, ADK Adak, TWG Pinlang, YULB Yu-li, ATKA Atka Island, NACB Nanganchiao, TPUB Ta-pu, SSSL Suanglung, YHNB Yeheng, JKA Kamikawa-asahi, JKA, SHEM Shemya Is, Ala, SMJ Shemya, ASAY Asahikawa, PEAOB Petropavlovsk, PETK Petropavlovsk, PETK, KSRS Korea Array, KS19 Wonju Array S, CNBA Chernabura Isl, SDPT Sand Point, SMAI San Martin Arr, USRK Ussuriysk Arr, BELA Belgrado, CHIR Chirikof Island, MAW Maxwell, OHAK Old Harbor, OHAK, O14K Tigiykaiuvt M, O14K, O16K Kokovok River B, N15K Kwethluk River, KLR Kul'dur, M14K Bethel.

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Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, ISC. Rows include O18K Koktuh Hills, O18K, P19K Oil Pt, P19K, MG05 Puerto Natales, MG05, M16K Timber Creek, M16K, CNPM China Pot, CNPM, N18K Kilauea River, N18K, L16K Ohwah River, L16K, N19K Bonanza Creek, N19K, GSI Jayatuli, GSI, K15K Wolf Creek Mou, K15K, L18K Granite Mounta, L18K, M19K Big River Lodg, M19K, L19K White Mountain, L19K, HEH Heihe, HEH, J16K Anvik River, J16K, SUA Sutilina One, SUA, PWL Port Wells, PWL, GLI Glacier Island, GLI, TTA Talatina, TTA, HAWA Hanford, HAWA, GHO Glory Hole Cre, GHO, J18K Innoko River, J18K, SML Sawmill, SML, BMRM Bremner River, BMRM, K20K Telida, K20K, SCM Sheep Creek Mo, SCM, YAH Yahtse, YAH, SEY Seymchan, SEY, J19K Poorman, J19K, CAST Castle Rocks, CAST, HMU Henry Mountain, HMU, N25K Chitina, Valde, N25K, GRNC Granite Creek, GRNC, M24K Tolosna, Glenn, M24K, N20K Tolosna River, N20K, SNA4 Sanae, SNA4, SNA5 Sanae, SNA5, SNA6 Sanae, SNA6, KTH Kantishina Hill, KTH, TRF Thorofore Array, TRF, CTGM Chitina Glacie, CTGM, VNA3 Neumayer-Stat, VNA3, O28M Mount Upton, O28M, H18K Hothorn River, H18K, RND Reindeer, RND, DNY Denali Highway, DNY, G18K Tagagawik, G18K, TXAR Lajitas Array, TXAR, TXAR Lajitas Array, TXAR, M27K Edge Creek, M27K, WRH Wood River Hill, WRH, H21K Melozitna Rive, H21K, HDA Harding Lake, HDA, DOT Dot Lake, DOT, CCB Clear Creek Bu, CCB, ILAR Eielson Array, ILAR, CMAR Chiang Mai Arr, CMAR, CMAR Chiang Mai Arr, CMAR, PLCA Paso Flores, PLCA, K27K Chicken, K27K, J26L Joseph Creek, J26L, TIXI Tikisi, TIXI, BVAR Borovoye Array, BVAR, ARCES ARCES Array B, ARCES, BELG Belogoroye, BELG, FINES FINES Array B, FINES, HFS Hagfors, HFS, BORS Borovoye, BORS, ONAU Onaun, ONAU, AKASG Malin Array Be, AKASG, AKASG Malin Array B, AKASG, AKBS Malin Array S, AKBS.

31d 20h

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Table with columns: ICAO, Name, Elevation, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance. Includes stations like KKAR, I17K, O18K, G16K, N19K, K17K, K17K, J17K, J17K, J17K, Q19K, KDAK, KDAK, L18K, M18K, H17K, H17K, G17K, N19K, P19K, C16K, F17K, J18K, QSPA, QSPA, QSPA, TTA, D17K, E17K, L19K, O20K, M19K, RDOG, HOM, C17K, G18K, F18K, GCSA, L20K, J19K, E18K, M20K, N20K, SPCR, BRSE, K20K, K20K, H19K, H19K, G19K, G19K, C18K, F19K, J20K, J20K, SKT, B18K, NRIK, NRIK, PPLA, SUA, SEW, H20K, BVAR, CAST, CAST, E19K, BRVK, R18K, CHUM, C19K, M22K, D19K, F20K, CUT, P37L, P20K, H21K, H21K, BPAW, KNK.

Table with columns: ICAO, Name, Elevation, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance. Includes stations like THORFARE MOUN, ARCTIC VILLAGE, NIGU RIVER, TANANA, ALLAKAKET, ETIVLUK RIVER, SAWMILL, MICHONSON ISLA, GLACIER ISLAND, ALATNA RIVER, SUSITNA WATANA, REINDEER, MEADE RIVER, ISHATITINA CRE, SHEEP CREEK MO, MCKINLEY, SUSITNA WATANA, KILLIK RIVER, KILLIK RIVER, KNIFEBLAD RID, COOWA SKI AREA, NENANA, BETTLES, JOHN RIVER, MILTO, YUKON-K, DENALI HIGHWAY, KLUTINA, IKPIKPUK RIVER, YUKON RIVER, TOLONA, GLENN, WOOD RIVER HILL, KAYAK ISLAND, ANAKTUVUK PASS, ANAKTUVUK PASS, BANANA CREEK, AYIKYAK RIVER, CLEAR CREEK BU, COLDFOOT, BREMER RIVER, HARDING LAKE, CHITNA, VALDE, POKER PLAT RES, HAARP, PAXSON, TESHEPKUK LAKE, NODDOR DOME, EIELSON ARRAY, EIELSON ARRAY, DONNELLY DOME, CHANDALAR, CHANDALAR, NANUSHUK RIVER, CIRQUE, HADWEEZIC RIVER, TOOLIK LAKE RE, RIDG, RIDG, RIDG, MCARNEY VSAT, SALCHA RIVER, IKILIK RIVER, IKILIK RIVER, YOUR CREEK, SQUAW LAKE, SQUAW LAKE, MESA, DOT, PORCUPINE DOME, S-YOWA BASE, NABESNA, SAND CREEK, HAPPY VALLEY, HAPPY VALLEY, BIRCH CREEK, BEARMAN LAKE, FRANKLIN BLUFF, CHITNA GLACIER, JOSEPH CREEK, JOSEPH CREEK, EDGE CREEK, AK, M27K, M27K, CHRISTIAN RIVER, PINNACLE, BEAVER CREEK, BEAVER CREEK.

Table with columns: ICAO, Name, Elevation, Azimuth, Distance, Azimuth, Distance, Azimuth, Distance. Includes stations like BEAVER CREEK A, ARCTIC VILLAGE, COAL CREEK MIN, MOUNT UPTON, CHICKEN, BURNT MOUNTAIN, KAVIK RIVER, PENINSULA, BEAVER CREEK, MOOSE CREEK, PORCUPINE RIVER, SHEENJEK RIVER, STEELE GLACIER, MOUNT KENNEDY, KANDIK RIVER, CAMDEN BAY, TALLOTT ARM, STEAMBOAT MOUNT, STEAMBOAT MOUNT, OUTPOST MOUNTA, WINDY CRAGGY, DOYON STRIP, JAGO RIVER, DAWY DAWSON, DAWY DAWSON, SOMME CREEK, HAINES JUNCTIO, MINER CREEK, COLEEN RIVER, MILLION DOLLAR, L29M, L29M, PLEASANT CAMP, AISHIKIK LAKE, SITKA, MALCOLM RIVER, BARLOW DOME, OGILVIE CAMP, OGILVIE CAMP, MENDENHALL, WHITESTONE, KILLISNOO, BABBAJE RIVER, BRAUN, YUKO, PINE CREEK, WHITELHORSE, CRAIG, WHALE PASS, MOUNT DEMPSTER, BLOW RIVER, EAGLE PLAINS, ATLIN, DRURY CREEK, Y, TAOH ZRAII NJII, ARTI, WRANGELL ISLAND, BARRIER RIVER, KETCHIKAN, NAKIN RIVER, PEEL RIVER, SATAH RIVER, TELEGRAPH CREEK, JENNINGS RIVER, INUVIK, INUVIK, BOB QUINN, SHELDON LAKE, DLBC, BELLA BELLA, KIROV, SNAEA, LA RUSIA, DOMINGO, DIMBOKRO, DIMBOKRO.

AFAD 31 20:07:07.6, 34:67N-28:25E, h7km, 2km, MW3.8
IDC 31 20:07:18.9, 1.4, 35:48N-28:55E, h0km, mb3.5/4,
mbmp3.4/8, ML3.0/4, Error ellipse: s-maj=30.4km
s-min=20.0km az=14.0
Gll 31 20:07:20.5, 0.0, 35:22N-28:55E, h8km, Mws2.8,
confirmed
NIC 31 20:07:21.4, 35:36N-28:62E, h8km, 1km, Ml2.8/6
ISK 31 20:07:22.7, 35:51N-28:55E, h75km, ML2.7/21
ISC 31 20:07:21.1, 1.2, 35:31N-03:28:52E, 0.03, h19km, 4km,
n82, r1920/94, mb3.3/4, Eastern Mediterranean Sea
Code Station Name Azimuth Distance Phase ID Time Res
ARG Arkhangelos 0.96 341 Op ISC
ARG Pb 20 07 39.3 0.0
ARG Arkhangelos 0.96 341 S Pb 20 07 51.7 0.0
ARG Arkhangelos 0.96 341 S Pn 20 07 37.8 -2.1
ARG Arkhangelos 0.96 341 S Sg 20 07 53.6 +0.6
ARG AML 20 07 58.0

Table with columns: ARG, 1.3nm,0.8s, AML, AML, 20 08 05.2, KARP Karpathos, 1.14 283, IZZE Mula-Seydiye, 1.27 27, AKAS Kas, 1.28 43, AKAS Kas, 1.28 43, FETV Fethiye, 1.40 19, FETV Fethiye, 1.40 19, TURUN Turunc, 1.48 35, TURUN Turunc, 1.48 35, DALY Dalyan (Mula), 1.51 4, SABU Mula-Dalaman, 1.56 13, DAI Dacia, 1.61 332, CAME Camel-Denizli, 1.75 21, KNIK Mula-Seydiye, 1.76 29, ELL Elmali, 1.83 38, ZKR Zakros, 1.90 265, ZKR Zakros, 1.90 265, ZKR Zakros, 1.90 265, ZKR Zakros, 1.90 265, 0.3nm,1.0s, AML, AML, 20 08 49.4, BOD Bodrum, 2.01 331, DNZT Denizli-Tavas-DNZT, 2.01 12, MLAS Milas, 2.08 343, GOL Golhisar, 2.10 23, DENIZL Denizli-Tavas, 2.18 8, TAVA Tava, 2.25 41, KORT Korkueli, 2.25 41, APMY Acipayam-Deniz, 2.25 16, DNIZ Denizli-Tavas-DNZT, 2.35 10, INCE Denizli-Bozkur, 2.55 19, IDI Anoyia, 2.97 271, IDI Anoyia, 2.97 271, APE Apeiranthos, 2.99 307, AKMS Akamas, 3.14 94, AKMS Akamas, 3.14 94, GAZI Gazipasa, 3.22 72, SEVD Seydisehir-KON, 3.40 51, TROD Troodos, 3.58 94, TROD Troodos, 3.58 94, HDMB Hadim, 3.61 62, IMMV Iera Moni Meti, 3.71 274, TEKE Tekeli-Mersin, 3.83 76, CSS Mathiatis, 3.96 94, CSS Mathiatis, 3.96 94, MVOU Mavrovouni, 4.20 92, HNTI Hanita, 5.94 110, HNTI Hanita, 5.94 110, OFRI Ofer, 6.00 115, MAA0B Mount Meron ar, 6.14 110, MAA0B Mount Meron ar, 6.14 110, GEM Giv'at Ha'Em, 6.27 107, GEM Giv'at Ha'Em, 6.27 107, NATI Neve Ativ, 6.31 107, MMLI Mount Malkishu, 6.41 115, MMLI Mount Malkishu, 6.41 115, HMDT Nahal Hemdat, 6.58 116, HMDT Nahal Hemdat, 6.58 116, KZIT Kziot, 6.60 130, YTR Yattir, 6.78 124, YTR Yattir, 6.78 124, DSI Dead Sea, 6.84 121, MSBI Mazada, 6.97 123, MSBI Mazada, 6.97 123, ZFRI Zifri, 7.33 128, KRMI Paran Flat, 7.35 133, KRMI Paran Flat, 7.35 133, PRNI Paran, 7.36 130, PRNI Paran, 7.36 130, HRFI Mount Harif, 7.60 132, HRFI Mount Harif, 7.60 132, MBRI Mt Berech, 7.70 134, MBRI Mt Berech, 7.70 134, EIL Elat, 7.81 134, EIL Elat, 7.81 134, GERES GERES Array B, 17.39 326, ESDC Sonseca Array, 26.06 289, FINES FINESS Array B, 26.20 357, NOA NORSAR Array B, 28.04 342, MKAR Maknachi Array, 41.39 57, ROM 31 20:15:26.6, 0.1, 43.455N, 0.004, 12.439E, 0.005, 16km, MLO 4.6, Error ellipse: s-maj=5.0km s-min=0.2km az=306.0, Central Italy

Table with columns: NEIC 31 20:24:15.1, 2.0, 25.0S, 0.1, 179.9E, 0.2, h490km, 8km, mb4.3/1.5, Error ellipse: s-maj=20.2km s-min=16.1km az=90.0, IDC 31 20:24:17.4, 3.8, 24.67S, 179.66E, h520km, 39km, mb3.0/0.5, mbtmp4.1/7, Error ellipse: s-maj=29.7km s-min=21.4km az=45.0, ISC 31 20:24:15.8, 0.5, 24.79S, 0.06, 179.8E, 0.1, h500km, n61, s196/59, mb4.2/1.3, South of Fiji Islands, Code Station Name, A° AZ° Phase ID, Time Res, h m s ISC, RAO Raoul Island, 4.92 158, PINNC Pines Island, 11.70 278, DZM Mont Dzumac, 12.73 279, DZM Mont Dzumac, 12.73 279, URZ Urewera, 13.77 190, URZ Urewera, 13.77 190, WRA Warramunga Arr, 42.37 267, WBO Warramunga Arr, 42.37 267, WRA Warramunga Arr, 42.37 267, KNRA Kunurra, 48.70 270, KNRA South Pole Qui, 65.42 180, GSPA South Pole Qui, 65.42 180, BELA Belgrano 2, 75.52 173, PEAOB Petropavlovsk-Base Esperanza, 81.47 158, SLBS Sierra La Lagu, 83.39 60, SNAAS Sanae, 83.79 179, SNAAS Sanae, 83.79 179, TMUT Trail Mountain, 90.57 46, TXAR Lajitas Array, 91.04 58, BSUT Blindstream Ca, 91.52 46, SSWD Satorwood, 96.23 54, INK Inuvik, 98.12 16, BVAR Borovoye Array, 120.99 318, ARCER ARCES Array B, 132.71 348, FINES FINESS Array B, 139.23 341, NB2 NORSAR Subarray, 142.93 351, HFS Hagfors, 143.38 348, AKASO Malin Array B, 145.62 327, ILGA ligaz, 147.49 306, MMAI Mount Meron Ar, 147.90 293, BRTR Keskin Array B, 147.97 306, EKA Eskdalemuir Ar, 149.41 3, IDC 31 20:31:19.2, 5.6, 24.47S, 179.99E, h479km, 55km, mb2.8/3, mbtmp4.0/5, Error ellipse: s-maj=47.9km s-min=26.1km az=48.0, NEIC 31 20:31:21.7, 2.3, 24.9S, 0.2, 179.9E, 0.2, h501km, 12km, mb4.2/9, Error ellipse: s-maj=40.8km s-min=16.7km az=215.0, ISC 31 20:31:20.7, 1.0, 24.7S, 0.1, 180.0W, 0.1, h500km, n26, s113/26, mb3.7/7, South of Fiji Islands, Code Station Name, A° AZ° Phase ID, Time Res, h m s ISC, RAO Raoul Island, 4.92 158, PINNC Pines Island, 11.70 278, DZM Mont Dzumac, 12.73 279, DZM Mont Dzumac, 12.73 279, URZ Urewera, 13.77 190, URZ Urewera, 13.77 190, WRA Warramunga Arr, 42.37 267, WBO Warramunga Arr, 42.37 267, WRA Warramunga Arr, 42.37 267, KNRA Kunurra, 48.70 270, KNRA South Pole Qui, 65.42 180, GSPA South Pole Qui, 65.42 180, BELA Belgrano 2, 75.52 173, PEAOB Petropavlovsk-Base Esperanza, 81.47 158, SLBS Sierra La Lagu, 83.39 60, SNAAS Sanae, 83.79 179, SNAAS Sanae, 83.79 179, TMUT Trail Mountain, 90.57 46, TXAR Lajitas Array, 91.04 58, BSUT Blindstream Ca, 91.52 46, SSWD Satorwood, 96.23 54, INK Inuvik, 98.12 16, BVAR Borovoye Array, 120.99 318, ARCER ARCES Array B, 132.71 348, FINES FINESS Array B, 139.23 341, NB2 NORSAR Subarray, 142.93 351, HFS Hagfors, 143.38 348, AKASO Malin Array B, 145.62 327, ILGA ligaz, 147.49 306, MMAI Mount Meron Ar, 147.90 293, BRTR Keskin Array B, 147.97 306, EKA Eskdalemuir Ar, 149.41 3, ROM 31 20:15:26.6, 0.1, 43.455N, 0.004, 12.439E, 0.005, 16km, MLO 4.6, Error ellipse: s-maj=5.0km s-min=0.2km az=306.0, Central Italy

Table with columns: comp=2.0, 7nm, 0.7s, baz=245, slow=1.5, SNR=6.4, BELA Belgrano 2, 75.52 173, ARCES ARCES Array B, 132.64 348, FINES FINESS Array B, 139.17 341, HFS Hagfors, 143.30 349, AKASO Malin Array B, 145.62 327, MMAI Mount Meron Ar, 148.02 293, BRTR Keskin Array B, 148.04 306, EKA Eskdalemuir Ar, 149.28 4, IDC 31 20:43:19.7, 61.0, 17.45S, 174.28W, h0km, mb3.7/3, mbtmp3.7/3, Error ellipse: s-maj=115.0km s-min=191.2km az=80.0, Tonga Islands, Code Station Name, A° AZ° Phase ID, Time Res, h m s ISC, STKA Stephens Creek, 42.30 242, WRA Warramunga Arr, 48.58 259, ASAR Alice Springs, 48.70 254, CATAC 31 20:54:43.8, 0.5, 13°N, 3°8'9"W, h13km, 2km, M3.3/22, MLV3.3/22, Error ellipse: s-maj=6.5km s-min=3.3km az=25.2, confirmed, GCG 31 20:54:46.8, 0.4, 13.18N, 89.58W, h50km, 8km, MD3.8, ISC 31 20:54:47.2, 1.5, 13.13N, 0.07, 89.42W, 0.04, h43km, n45, s1926/49, El Salvador, Code Station Name, A° AZ° Phase ID, Time Res, h m s ISC, JAYA Jayaque - finc, 0.53 357, JAYA Jayaque - finc, 0.53 357, PANCS Alcala de, 0.54 26, PANCS Alcala de, 0.54 26, LOMA Loma Larga, 0.57 25, PMON Piamonte, 0.59 10, PMON Piamonte, 0.59 10, UUES Universidad Ev, 0.61 17, UUES Universidad Ev, 0.61 17, COEG Centro de Oper, 0.72 47, CEVE Cerro Verde, 0.72 344, CEVE Cerro Verde, 0.72 344, TECE Alcala de Te, 0.74 57, PAVA Las Pavas, 0.75 39, UUES Universidad de, 0.80 51, NUBE Las Nubes, 0.85 336, NUBE Las Nubes, 0.85 336, ALJI Alcala de J, 0.85 76, SCLA Alcala de Sa, 0.86 50, SCLA Alcala de Sa, 0.86 50, SLOZ Alcala de Sa, 0.96 339, SLOZ Alcala de Sa, 0.96 339, PACA Pacayal, 1.12 72, PACA Pacayal, 1.12 72, RANC Rancho, 1.14 74, MTOG Montecristo, 1.27 3, MTO3 Montecristo, 1.27 3, MTO3 Montecristo, 1.27 3, LOND La Caada, 1.50 83, CNGN Conchagua, 1.55 84, CNGN Conchagua, 1.55 84, CSOS Cosiguina Volc, 1.82 95, CSOS Cosiguina Volc, 1.82 95, POTN Potosi Cosigui, 1.87 94, CHOHN Orocuina, 2.23 81, CHOHN Orocuina, 2.23 81, TGUH Teguingalpa, Un, 2.28 66, TGUH Teguingalpa, Un, 2.28 66, CRIN San Cristobal, 2.35 100, HERN Volcan Telica, 2.58 101, HERN Volcan Telica, 2.58 101, RTAL Retalhuleu, 2.61 302, RTAL Retalhuleu, 2.61 302, YUSH Yuscaran, 2.64 72, YUSH Yuscaran, 2.64 72, CNGN Cerro Negro, 2.73 103, CNGN Cerro Negro, 2.73 103, NEIC 31 20:58:01.5, 1.6, 4.91S, 0.10, 151.43E, 0.09, h10km, 1km, mb4.5/9, Error ellipse: s-maj=21.4km s-min=7.0km az=138.0, IDC 31 20:58:04.8, 1.3, 5.06S, 151.19E, h0km, mb3.7/8, mbtmp3.8/9, ML2.3/1, MS3.3/13, Error ellipse: s-maj=41.3km s-min=20.8km az=103.0, ISC 31 20:58:01.7, 0.7, 4.87S, 0.08, 151.49E, 0.09, h10km, n32, s249/23, mb4.0/11, MS3.3/11, New Britain region, Code Station Name, A° AZ° Phase ID, Time Res, h m s ISC, RABL Rabaul, 0.95 45, MANU Manus Island, 4.98 304, PMG Port Moresby, 6.22 223, PMG Port Moresby, 6.22 223, PMG Port Moresby, 6.22 223, PMG Port Moresby, 6.22 223, HNR Honiara, 9.54 119, COEN Coen, 12.19 222, CTAO Charters Tower, 19.56 198, WBO Warramunga Arr, 22.28 227, WBO Warramunga Arr, 22.28 227, WRA Warramunga Arr, 22.32 226, WRA Warramunga Arr, 22.32 226, KNRA Kunurra, 24.77 243, AS31 Alice Springs, 25.23 221, ASAR Alice Springs, 25.23 221, ASAR Alice Springs, 25.23 221, STKA Stephens Creek, 28.42 198, STKA Stephens Creek, 28.42 198, DAV Davao City (W), 28.45 294, FITZ Fitzroy Crossi, 28.48 240, BBOO Buclebooo, 31.31 206, JCJ Chichijima, 33.03 345, MBWA Marbuia, 34.80 239, URZ Urewera, 40.60 148, RPZ Rata Peaks, 42.36 159, MJAR Matushiro Arr, 43.03 344, KSRS Korea Array, 47.49 334

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations 1751-3212.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations 3212-4712.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations 4712-5212.

31d 22h

Table with columns: TIXI, Tiksi, values, LR, P, dates, and descriptions. Includes stations like TIXI, SMPI, FAKI, SPIA, NIKH, CMAR, GAMB, WMQ, UNV, SMKI, ZAAO, ZALV, ZSN, ZSN, TNA, K13K, F14K, ANM, M13K, J14K, L14K, F15K, G15K, M14K, N14K, MK31, MKAR, O14K, NRIK, NRIK, NRIK, NRIK, MAKZ, MAKZ, SDPT, C16K, L15K, K15K, K15K, H16K, M15K, G16K, CHNA, N15K, O14K, D17K, J16K, I17K, RDOG, C17K, E17K, L16K, F17K, G17K, EVN, M16K, N16K, H17K, J17K, O16K, P16K, E18K.

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Table with columns: B18K, L17K, C18K, C18K, K17K, K17K, F18K, KURK, KURK, KURB, KURB, M17K, M17K, M17K, H18K, H18K, G18K, G18K, N17K, O17K, C19K, C19K, P17K, SHLS, SHLS, SHLS, L18K, L18K, J18K, J18K, F19K, Q17K, EDIF, G19K, N18K, N18K, N18K, UZB, UZB, D19K, D19K, D19K, M18K, TDK, TDK, TTA, TTA, CHIR, E19K, E19K, H19K, H19K, KPKS, KPKS, ACHA, ACHA, P18K, O18K, O18K, J19K, Q18K, ZHN, ZHN, SATY, SATY, L19K, PRZ, PRZ, D20K, D20K, ARXS, BATI, F20K, B20K, B20K, E20K, N19K, N19K, R18K, M19K, H20K, HNR, SII, I20K, K20K.

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Table with columns: K20K, K20K, J20K, J20K, L20K, Q19K, Q19K, TARG, TARG, BWJI, P19K, C21K, OHAK, M20K, M20K, MTN, MDOK, MDOK, B21K, B21K, G21K, AAA, AAA, TNS, TNS, E21K, E21K, RED, F21K, F21K, O20K, H21K, H21K, KDAK, KDAK, KDAK, KDAK, KUU, KUU, Q20K, N20K, PPLA, PPLA, PPLA, CAST, CAST, B22K, B22K, I21K, I21K, D22K, D22K, F22K, HOM, SKT, SKT, ULHL, E22K, E22K, H22K, BPAW, BPAW, KTH, BRK, TKM2, SUA, SUA, BRSE, TRF, D23K, COLD, G23K, G23K, C23K, BRZS, RC01, RC01, KBK, H23K, H23K, H23K, SGDS, CHMS, BTL, BTL, E23K, E23K, E23K, I23K, I23K, I23K, I23K, I23K, TOLK.

TOLK	comp-Z,16nm,1.2s	I Amb	I Amb	23 07 06.9	
TOLK	Toolik Lake Re baz=266	50.41 27	P	P	23 07 03.2 -0.5
USP	Ospenovka SNR=24	50.45 300	P	P	23 07 04.2 -0.2
SEW	Seward baz=274	50.46 38	P	P	23 07 02.9 -1.1
SEW	Seward baz=274	50.46 38	P	P	23 07 03.1 -0.9
NEA2	Nenana	50.49 32	P	P	23 07 05.4 +1.1
NEA2	Nenana	50.49 32	P	P	23 07 05.3 -0.7
PMR	Palmer baz=273	50.53 36	P	P	23 07 03.7 -0.9
MCK	McKinley	50.56 33	P		23 07 04.4 -0.4
MCK	McKinley	50.56 33	P		23 07 04.4 -0.4
MCK	McKinley	50.56 33	P		23 07 03.9 -0.9
RND	Reindeer	50.60 33	P		23 07 05.5 +0.3
RND	Reindeer	50.60 33	P		23 07 05.5 +0.3
RND	Reindeer	50.60 33	P		23 07 05.5 +0.3
AAK	Ala-Archa SNR=11	50.62 299	P		23 07 05.7 -0.1
AAK	Ala-Archa	50.62 299	P		23 07 05.1 -0.7
AAK	Ala-Archa	50.62 299	P		23 07 05.7 -0.1
AAK	Ala-Archa	50.62 299	P		23 07 05.7 -0.1
GHO	Glory Hole Cre	50.62 35	P		23 07 06.6 +1.2
D24K	Happy Valley	50.72 26	P		23 07 05.1 -0.8
WAT1	Susitna Watana baz=272	50.76 34	P		23 07 05.3 -1.0
E24K	Your Creek	50.79 27	P		23 07 07.7 +1.2
E24K	Your Creek	50.79 27	P		23 07 07.0
E24K	Your Creek	50.79 27	P		23 07 05.8 -0.8
KNK	Knik Glacier	50.87 36	P		23 07 06.5 -0.6
SML	Sawmill	50.90 35	P		23 07 08.0 +0.5
SML	Sawmill	50.90 35	P		23 07 11.0
SML	Sawmill	50.90 35	P		23 07 06.4 -1.0
WRH	Wood River Hill	50.91 32	P		23 07 06.4 -1.0
PWL	Port Wells	50.96 37	P		23 07 08.7 +0.8
PWL	Port Wells	50.96 37	P		23 07 11.4
PWL	Port Wells	50.96 37	P		23 07 07.3 -0.6
H24K	Noodor Dome	50.99 30	P		23 07 09.7 +1.6
H24K	Noodor Dome	50.99 30	P		23 07 12.4
H24K	Noodor Dome	50.99 30	P		23 07 07.5 -0.6
F24K	Squaw Lake	51.00 28	P		23 07 07.8 -0.4
CCB	Clear Creek Bu	51.03 32	P		23 07 10.0 +1.7
EKS2	Erkin-Say SNR=8.1	51.12 300	P		23 07 09.6 +0.1
WAT6	Susitna Watana	51.14 34	P		23 07 08.7 -0.7
G24K	Hadwenzic Riv	51.15 29	P		23 07 11.1 +1.9
G24K	Hadwenzic Riv	51.15 29	P		23 07 13.7
G24K	Hadwenzic Riv	51.15 29	P		23 07 09.4 +0.2
BVAR	Borovyoye Array	51.16 313	P		23 07 09.3 -0.2
BVAR	Borovyoye Array	51.16 313	P		23 08 24.9 +0.3
BVAR	Borovyoye Array	51.16 313	P		23 06.46,slow=4.3,SNR=5.4
POKR	Poker Plat Res	51.18 31	P		23 07 10.9 +1.4
POKR	Poker Plat Res	51.18 31	P		23 07 09.3 -0.2
BRVK	Borovyoye	51.22 313	P		23 07 09.2 -0.7
BRVK	Borovyoye	51.22 313	P		23 07 23.0
BRVK	Borovyoye	51.22 313	P		23 07 09.6 -0.3
DHY	Denali Highway	51.28 34	P		23 07 10.4 0.0
DHY	Denali Highway	51.28 34	P		23 07 21.0
DHY	Denali Highway	51.28 34	P		23 07 09.8 -0.6
AML	Almayashu SNR=43	51.32 299	P		23 07 11.7 +0.4
SCM	Sheep Creek Mo	51.38 35	P		23 07 12.2 +1.1
SCM	Sheep Creek Mo	51.38 35	P		23 07 14.7
SCM	Sheep Creek Mo	51.38 35	P		23 07 12.2 +1.1
SCM	Sheep Creek Mo	51.38 35	P		23 07 11.3 +0.3
HDA	Harding Lake	51.41 32	P		23 07 11.6 +0.4
HDA	Harding Lake	51.41 32	P		23 07 13.9
HDA	Harding Lake	51.41 32	P		23 07 11.0 -0.2
IL31	Il31	51.42 32	P		23 07 11.5 +0.2
ILAR	Eielson Array	51.42 32	P		23 07 11.5 +0.2
ILAR	Eielson Array	51.42 32	P		23 07 12.2 +0.9
P23K	Montage Islan	51.49 38	P		23 07 11.4 -0.4
GLI	Glacier Island	51.56 37	P		23 07 11.8 -0.6
D25K	Kavik River	51.59 26	P		23 07 11.1 -1.5
D25K	Kavik River	51.59 26	P		23 07 15.6
D25K	Kavik River	51.59 26	P		23 07 12.2 -0.3
G25K	Bearman Lake	51.70 29	P		23 07 12.4 -0.8
H25L	Birch Creek	51.82 30	P		23 07 13.7 -0.5
KNRA	Kumunura	51.85 194	P		23 07 14.8 -0.2
F25K	Christian River	51.86 28	P		23 07 14.2 -0.4
FID	Port Fidalgo	51.88 37	P		23 07 15.2 +0.5
E25K	Arctic Village	51.88 27	P		23 07 15.2 +0.4
E25K	Arctic Village	51.88 27	P		23 07 19.1
E25K	Arctic Village	51.88 27	P		23 07 14.5 -0.2
HIN	Hinchinbrook I	51.90 37	P		23 07 14.3 -0.7
M24K	Tolsona, Glenn	51.90 35	P		23 07 14.4 -0.6
K24K	Donnelly Dome	51.96 33	P		23 07 12.0 -3.3
K24K	Donnelly Dome	51.96 33	P		23 07 28.6
K24K	Donnelly Dome	51.96 33	P		23 07 14.7 -0.6
PRP	Porcupine Dome	51.97 31	P		23 07 16.8 +1.3
PRP	Porcupine Dome	51.97 31	P		23 07 15.6 0.0
KLU	Klutina	52.07 36	P		23 07 16.5 +0.3
KLU	Klutina	52.07 36	P		23 07 20.0
KLU	Klutina	52.07 36	P		23 07 15.4 -0.9
J25K	Salcha River,	52.08 32	P		23 07 15.5 -0.8
C26K	Camden Bay	52.12 25	P		23 07 15.6 -0.8
PAX	Paxson	52.16 34	P		23 07 16.7 -0.2
PAX	Paxson	52.16 34	P		23 07 16.7 -0.2
PAX	Paxson	52.16 34	P		23 07 16.7 -0.2
PAX	Paxson	52.16 34	P		23 07 15.9 -0.9
DIV	Divide	52.18 36	P		23 07 16.6 -0.5

EYAK	Cordova Ski Ar baz=276	52.25 37	P	P	23 07 17.0 -0.5
BMAR	Burnt Mountain	52.27 28	P	P	23 07 17.5 -0.2
HARP	HAARP	52.35 35	P	P	23 07 18.2 -0.1
RIDG	Independent Ri	52.37 33	P		23 07 17.8 -0.6
RIDG	Independent Ri	52.37 33	P		23 07 31.2
RIDG	Independent Ri	52.37 33	P		23 07 18.2 -0.3
F26K	Sheenjek River	52.43 28	P		23 07 18.0 -0.8
F26K	Sheenjek River	52.43 28	P		23 07 23.5
F26K	Sheenjek River	52.43 28	P		23 07 18.4 -0.3
C27K	Jago River	52.53 25	P		23 07 19.2 -0.3
G26K	Porcupine Rive	52.60 29	P		23 07 20.0 0.0
G26K	Porcupine Rive	52.60 29	P		23 07 24.6
G26K	Porcupine Rive	52.60 29	P		23 07 20.1 0.0
N25K	Chitina, Valde	52.69 35	P		23 07 19.7 -1.2
N25K	Chitina, Valde	52.69 35	P		23 07 21.0 -0.7
DOT	Dot Lake	52.73 33	P		23 07 21.9 +0.8
SCRK	Sand Creek	52.73 32	P		23 07 21.4 +0.2
SCRK	Sand Creek	52.73 32	P		23 07 24.4
SCRK	Sand Creek	52.73 32	P		23 07 20.8 -0.4
BMRM	Bremner River	52.76 36	P		23 07 22.4 +1.1
BMRM	Bremner River	52.76 36	P		23 07 21.0 -0.4
J26L	Joseph Creek	52.87 32	P		23 07 22.7 +0.5
J26L	Joseph Creek	52.87 32	P		23 07 22.5 +0.3
MENT	Mentasta	52.95 34	P		23 07 21.4 -1.3
MENT	Mentasta	52.95 34	P		23 07 27.0
I26K	Coal Creek Min	52.97 31	P		23 07 22.9 +0.1
KAIM	Kayak Island	52.99 38	P		23 07 23.3 +0.3
L26K	Log Cabin Wild	53.11 34	P		23 07 24.5 +0.6
L26K	Log Cabin Wild	53.11 34	P		23 07 28.1
L26K	Log Cabin Wild	53.11 34	P		23 07 24.0 +0.2
BERG	Berg Lake	53.28 37	P		23 07 25.5 +0.3
KK31	Karatay Array	53.31 301	P		23 07 24.9 -0.7
KK31	Karatay Array	53.31 301	P		23 07 26.4
KK31	Karatay Array	53.31 301	P		23 07 24.9 -0.7
KK31	Karatay Array	53.31 301	P		23 07 25.1 -0.5
KKAR	Karatay Array	53.31 301	P		23 07 24.7 -0.9
KKAR	Karatay Array	53.31 301	P		23 07 26.4
KKAR	Karatay Array	53.31 301	P		23 07 24.7 -0.9
KKAR	Karatay Array	53.31 301	P		23 07 24.7 -0.9
M26K	Nabesna, AK	53.35 34	P		23 07 26.0 +0.3
M26K	Nabesna, AK	53.35 34	P		23 07 44.4
M26K	Nabesna, AK	53.35 34	P		23 07 25.5 -0.1
E27K	Coleen River	53.37 27	P		23 07 25.9 +0.2
G27K	Doyon Strip	53.45 29	P		23 07 27.2 +0.9
G27K	Doyon Strip	53.45 29	P		23 07 26.7 +0.3
MCARA	McCarthy VSAT	53.47 36	P		23 07 28.3 +1.8
MCARA	McCarthy VSAT	53.47 36	P		23 07 26.5 0.0
CRQM	Cirque	53.50 36	P		23 07 27.3 +0.3
D27M	Malcolm River	53.52 26	P		23 07 26.9 +0.1
CRQE	Cirque	53.53 36	P		23 07 27.4 +0.3
H27K	Steamboat Moun	53.56 30	I Amb	I Amb	23 07 28.7 +1.6
H27K	Steamboat Moun	53.56 30	I Amb	I Amb	23 07 31.1
H27K	Steamboat Moun	53.56 30	I Amb	I Amb	23 07 27.9 +0.7
K27K	Chicken	53.56 32	P		23 07 27.8 +0.7
K27K	Chicken	53.56 32	P		23 07 31.1
K27K	Chicken	53.56 32	P		23 07 27.7 +0.5
I27K	Kandik River	53.59 30	P		23 07 27.1 -0.3
L27K	Beaver Creek,	53.80 33	P		23 07 30.0 +1.1
L27K	Beaver Creek,	53.80 33	P		23 07 33.1
L27K	Beaver Creek,	53.80 33	P		23 07 30.0 +1.1
BRLS	Borolday	53.80 301	eP		23 07 30.0 +0.8
BRLS	Borolday	53.80 301	eP		23 07 30.1 +0.8
B2AR	Borolday	53.82 33	P		23 07 30.8 +1.8
M27K	Edge Creek, AK	53.87 34	P		23 07 30.5 +0.9
M27K	Edge Creek, AK	53.87 34	P		23 07 33.7
M27K	Edge Creek, AK	53.87 34	P		23 07 29.4 -0.2
E28M	Babbage River	54.09 27	P		23 07 31.3 +0.4
MESA	MESA	54.17 37	P		23 07 32.1 +0.2
GRNC	Granite Creek	54.18 36	P		23 07 30.8 -1.1
GRNC	Granite Creek	54.18 36	P		23 07 35.6
I28M	Miner Creek	54.30 30	P		23 07 33.4 +0.8
I28M	Miner Creek	54.30 30	P		23 07 36.6
I28M	Miner Creek	54.30 30	P		23 07 32.2 +0.5
BVCY	Beaver Creek	54.33 34	P		23 07 33.2 +0.3
CTG	Chitna Glacier	54.34 36	P		23 07 33.9 +0.9
NIL	Nilore	54.40 289	P		23 07 32.9 -0.8
NIL	Nilore	54.40 289	P		23 07 32.9 -0.8
NIL	Nilore	54.40 289	P		23 07 35.6 +0.5
E29M	Blow River	54.71 27	P		23 07 34.0 -1.4
E29M	Blow River	54.71 27	P		23 07 39.3
E29M	Blow River	54.71 27	P		23 07 35.4 -0.1
GAR	Garm	54.72 296	P		23 07 35.5 -0.6
DAWY	Dawson	54.73 32	P		23

31d 22h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like HRA Herat, NOR Nord, MSVF Nonsavu, RES Resolute Bay, BELG Belgomorye, etc.

2019 MAY

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GNI Gani, GNI Gani, PINE Pine Mountain, SUMG Summit, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ELK Elko, YHH Holme Hill, GCMT Greycliff, etc.

31d 23h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, DZM Mt Dzacac, MKAR Makanchi Array, KURBB Kurchatov Arr.

ICD 31 23:20:14.3, 9.4, 15.50S, -174.26W, h0km, mb4.4/2, mbtmp4.4/2, Error ellipse: s-maj=461.2km s-min=47.4km az=142.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, BRTR Keskin Array B, GERES GERES Array B.

NEIC 31 23:32:25.0, 1.8, 33.45N, 0.02-94.13W, 0.02, h6km, 4km, Error ellipse: s-maj=3.4km s-min=2.2km az=142.0 TXNET 31 23:32:25.0, 33.45N, 9.4W, h6km, 3km, ML2, 8/3, Error ellipse: s-maj=3.3km s-min=1.2km az=156.1, final

NEIC 31 23:32:25.0, 2.0, 33.42N, 0.04-94.14W, 0.04, h5km, 2km, mb_Lg1.9/4, ML2.2/3, ML2.5/8, Error ellipse: s-maj=8.2km s-min=3.0km az=315.0

ISC 31 23:32:24.9, 1.1, 33.42N, 0.03-94.11W, 0.03, h8km, 11km, n25, c0577/32, Arkansas-Oklahoma border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Z38A Mt. Pleasant, WLAR White Oak Lake, Z41A Richland Creek, CRHG Carthage, MIAR Mount Ida, X40A Basin Creek Fa, NATX Nacogdoches, TREL Terrell, SNAG San Augustine, UALR University of, CCAR Cane Creek, 237A Washetta, Mont, 143A Soos Landing, RLO Rose Lookout, HHAR Hobbs, FCAR Ozark Folk Cen, U38A Gravette, MGMO Mountain Grove, WMOK Wichita Mounta.

ICD 31 23:44:49.5, 0.8, 39.30N, 99.57W, h0km, mb3.7/2, mbtmp3.9/7, ML4.6/3, MS2.6/2, Error ellipse: s-maj=13.6km s-min=8.7km az=105.0

NEIC 31 23:44:49.6, 1.8, 39.22N, 0.03-99.43W, 0.05, h5km, 2km, mb_Lg3.6/152, Mw3.5/15, Error ellipse: s-maj=6.7km s-min=4.2km az=100.0, Moment Tensor Solution. Moment tensor: Scale 10^14Nm; Mrr-1.14; Mtt2.23; Mss-1.10; Mss-0.90; Mss-0.53; Mrr1.05; Fault plane solution: Mo2.44000x10^14 NP1: 131.57000, 871.38000, lambda-49.35000, NP2: 241.98000, 844.03000, lambda-152.65000. Principal axes: T 2.6273, P1g16.0000, Azm193.0000; N -0.4395, P1g38.0000, Azm296.0000; P -2.1877, P1g47.0000, Azm84.0000;

NEIC 31 23:44:49.3, 39.25N, 99.42W, h5km ICD 31 23:44:48.8, 0.6, 39.33N, 0.03-99.48W, 0.04, h10km, n104, c251/54, mb3.4/3, Kansas

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CBKS Cedar Bluff, R32A Long Quarter, KSU1 Kansas State U, BGNE Belgrade, KAN12 Harper NE Sta, KAN08 Anthony NE Sta, KSC0 Kaye Shedlock, OGN6 Ogallala, CGNE Bluff City Nor, KAN01 Argonia South, KAN09 Caldwell North, KAN09 Manchester OK, NOKA Waynoka, GC02 Grant County #, KAN13 South Haven SW, DRZT Darrouzett, CROK Carrieville, ELIS Ellis County, ELIS Taber, N35A Basset, T35A Sooner Cattle, OK051 E0350 and S346, L34A Svendsen Farm, CSTR Hydro, Custer, QUOK Quay, RTBA Rita Blanca, OK029 Liberty Lake.

2019 MAY

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like OK052 Battle Ridge R, DEOK Depew, SMWD Samnorwood, SMWD Samnorwood, Q24A Divide, P38A Dawn, RLO Rose Lookout, ISCO Idaho Springs, EROS Data Cent, U38A Gravette, SDCO Great Sand Dun, S39A Bolivar, S9S Miller, HHAR Hobbs, SCIA State Center, P40A Paris, DKNS Dickens, RSSD Black Hills, MSTX Muleshoe, MGMO Mountain Grove, Z35A Perchaven, San, K22A Casper, SN07 Snyder 07, FW03 Perrin-Whitt E, POST Post, FW06 Azle, SN05 Snyder 5, CCM Cathedral Cave, MIAR Mount Ida, F33A 5 Mile Ranch, T42A Van Buren, ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, TREL Terrell, X40A Basin Creek Fa, FVM Fresh Village, E28A Huff, PV02 Paradox Valley, LCAR Lake Charles, PV13 Radium Mtn., PV03 Paradox Valley, PV11 David Mesa, Pa, PV20 West Nyswonger, PV23 Carpenter Ridg, PV10 Paradox Valley, SGCV Sterling City, PBMO Poplar Bluff, SPMN Marine on St, JFW5 Jewell Farm, C37A Washetta, Mont, 237A Cape Girardeau, BRDY Brady, Z41A Richland Creek, CCAR Cane Creek, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, MDND Maddock, NATX Nacogdoches, LAO LASA Array, MNTX Cornudas Mount, 143A Soe Landing, E38A The Farm, Brul, AGMM Agassiz Nation, Y45A Yeager Farm, C, DGMT Dagmar, 441A DeRidder, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, ULM Lac du Bonnet, ULM Soe Landing, ULM Yeager Farm, C, ELK Elko, TKL Tuckaleechee C, TKL Tuckaleechee C, PS2A Corning, V53A Saluda, BG3 Lake Jocassee, N53A Lisbon, YKA Yellowknife Ar.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ILAR Eielson Array, ARCES ARCES Array B, DJA 31 23:55:26.0, 0.3, 4.2S, 2.12E, h10km, M3.8/13, mb4.1/2, ML3.6/13, Sulawesi, BNSI Bone, BBSI Bau Bau, BBSI Sidrap Palu, Tana Toraja, TTSI Bau Bau, Buton, AP5I Ampana, EDFI Ende, Flores, MP5I Mapaga, PLAI Plampang.

ISC Computed Locations for May 2019

