

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

March to April

2019

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STATIONS USED

The stations listed below are those operated by the Instituto D. Luiz, Faculty of Science, University of Lisbon (FCUL).
Former Instituto Geofisico Infante D.Luiz.

Lisboa (IGIDL)
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Marmelete (Picos)
MORF

Latitude	37.3043N
Longitude	8.6527W
Height	560m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

March 1 2019 Hour: 0:13 27.6 Lat: 28.25S Lon: 63.20W Depth:559F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

SANTIAGO DEL ESTERO, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9219	41	EP		024	53.98	-.040							1.0
MORF	BZ	9219	41	I Amb		024	54.35			53	1.3				
MESJ	BZ	9288	41	EP		024	57.070	.040							1.0
MESJ	BZ	9288	41	I Amb		024	59.07			121	1.4				

March 1 2019 Hour: 8: 6 51.9 Lat: 36.57N Lon: 9.57W Depth: 19F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	45	EP		8 7	9.95	0.09							1.0
MORF	HN	115	45	ES		8 7	22.95	-0.04							1.0
MORF	HE	115	45	I AML		8 7	26.05			52	0.4				
MESJ	HZ	185	40	EP		8 7	18.42	-0.05							1.0
MESJ	HE	185	40	ES		8 7	37.88	-0.00							1.0
MESJ	HN	185	40	I AML		8 7	40.59			9	0.1				

March 1 2019 Hour: 8:50 43.8 Lat: 14.68S Lon: 70.13W Depth:272F Agency: IGL Distant
Magnitudes: 6.3Mb IGL Rms: 0.2 secs

SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8625	46	EP		9 2	9.64	-.090							1.0
MORF	BZ	8625	46	I Amb		9 2	16.32			954	1.0				
MORF	BZ	8625	46	EpP		9 3	12.88	-.120							1.0
MORF	BN	8625	46	ES		911	38.380	.080							1.0
GGNV	BZ	8665	44	EP		9 2	11.740	.130							1.0
GGNV	BZ	8665	44	I Amb		9 2	16.94			483	1.1				
GGNV	BZ	8665	44	EpP		9 3	15.350	.400							0.8
GGNV	BE	8665	44	ES		911	41.94	-.030							1.0
MESJ	BZ	8687	46	EP		9 2	12.73	-.030							1.0
MESJ	BZ	8687	46	I Amb		9 2	18.89			482	0.8				
MESJ	BZ	8687	46	EpP		9 3	15.60	-.530							0.7
MESJ	BN	8687	46	ES		911	44.220	.040							1.0

March 1 2019 Hour: 20:47 37.5 Lat: 33.33N Lon: 6.41W Depth: 18F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	486	336	EP		2048	41.460	.070							1.0
MESJ	HZ	527	342	EP		2048	46.24	-.070							1.0
MESJ	HN	527	342	ES		2049	36.50	-.000							1.0
MESJ	HN	527	342	I AML		2049	38.63			3	0.1				

March 1 2019 Hour: 23:31 29.6 Lat: 37.02N Lon: 5.28W Depth: 3F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	275	290	EP		2332	9.020	.040							1.0
MORF	HZ	301	277	EP		2332	12.240	.050							1.0
MORF	HN	301	277	ES		2332	43.16	-.090							1.0
MORF	HN	301	277	I AML		2332	47.38			26	0.2				

March 1 2019 Hour: 23:57 23.8 Lat: 37.04N Lon: 5.30W Depth: 7F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	273	290	EP		2358	2.490	.030							1.0

March 2 2019 Hour: 2:17 24.9 Lat: 6.99S Lon: 155.76E Depth: 69F Agency: IGL Distant
Rms: 0.1 secs

BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16207	339	EPKP			236	54.44	-.150							1.0
MESJ	BZ16255	337	EPKP			236	55.390	.060							1.0
MORF	BZ16325	337	EPKP			236	56.530	.080							1.0

March 2 2019 Hour: 6:0 6.7 Lat: 46.44N Lon: 27.38W Depth: 10F Agency: IGL Distant
Magnitudes: 4.4Mb IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 1842	114	EP			6 3	59.310	.050							1.0
MESJ	BZ 1842	114	IAmb			6 4	1.00			15	0.8				
MORF	BZ 1849	117	EP			6 4	0.02	-.050							1.0
MORF	BZ 1849	117	IAmb			6 4	4.81			84	1.5				

March 2 2019 Hour: 6:31 27.5 Lat: 38.35N Lon: 7.98W Depth: 16F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

NE VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	60	200	EP		631	37.430	.010							1.0
MESJ	HN	60	200	ES		631	44.62	-.010							1.0
MESJ	HE	60	200	IAML		631	45.03			2	0.1				

March 2 2019 Hour: 17:13 0.2 Lat: 35.04N Lon: 5.83W Depth: 16F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	357	316	EP		1713	48.36	-.110							1.0
MESJ	HZ	377	326	EP		1713	51.050	.110							1.0
MESJ	HE	377	326	ES		1714	27.970	.000							1.0
MESJ	HN	377	326	IAML		1714	31.31			6	0.2				

March 2 2019 Hour: 20:26 22.4 Lat: 37.97N Lon: 8.67W Depth: 1F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

SE SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	42	110	EP		2026	29.330	.110							1.0
MESJ	HE	42	110	ES		2026	34.220	.040							1.0
MESJ	HN	42	110	IAML		2026	35.77			22	0.1				
MORF	HZ	74	179	EP		2026	34.24	-.100							1.0
MORF	HN	74	179	ES		2026	42.98	-.060							1.0
MORF	HN	74	179	IAML		2026	43.10			18	0.3				

March 2 2019 Hour: 22:12 29.5 Lat: 37.30N Lon: 8.57W Depth: 8F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.2 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	274	EP		2212	31.07	-0.26							1.0
MORF	HE	7	274	ES		2212	32.73	0.08							1.0
MORF	HN	7	274	IAML		2212	33.20			79	0.1				
MESJ	HZ	67	27	EP		2212	40.65	0.19							1.0

March 3 2019 Hour: 15:25 55.5 Lat: 18.59N Lon: 101.27W Depth: 66F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

MICHOACAN, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ 9012	54	EP			1538	3.28	-.030							1.0
MORF	BZ 9012	54	IAmb			1538	7.10			26	1.1				
MESJ	BZ 9032	53	EP			1538	4.220	.030							1.0
MESJ	BZ 9032	53	IAmb			1538	5.24			18	0.9				

March 4 2019 Hour: 2:57 49.5 Lat: 36.54N Lon: 7.31W Depth: 26F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	147	306	ES		258	26.550	.190							1.0
MORF	HN	147	306	IAML		258	28.26			2	0.1				
MESJ	HZ	165	331	EP		258	13.05	-.030							1.0
MESJ	HN	165	331	ES		258	30.16	-.160							1.0
MESJ	HN	165	331	IAML		258	32.50			1.00	0.2				

March 4 2019 Hour: 3:17 12.9 Lat: 37.20N Lon: 9.36W Depth: 4F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	64	79	EP		317	23.10	-.100							1.0
MORF	HN	64	79	ES		317	30.870	.140							1.0
MORF	HE	64	79	IAML		317	33.47			7	0.2				
MESJ	HZ	123	55	EP		317	32.46	-.210							1.0
MESJ	HE	123	55	ES		317	47.290	.170							1.0
MESJ	HN	123	55	IAML		317	48.31			4	0.3				

March 4 2019 Hour: 6:21 20.0 Lat: 36.55N Lon: 12.22W Depth: 25F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	329	74	EP		622	3.95	-.010							1.0
MORF	HN	329	74	ES		622	36.100	.010							1.0
MORF	HE	329	74	IAML		622	37.93			4	0.2				

March 4 2019 Hour: 10:6 1.1 Lat: 5.23S Lon: 146.19E Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 secs

EASTERN NEW GUINEA REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15589	328	EPP			1028	26.58	-.000							1.0
MESJ	BZ15589	328	IAMs_20			1134	42.44			1889	20.8				
MORF	BZ15658	328	EPP			1028	30.480	.000							1.0
MORF	BZ15658	328	IAMs_20			1134	35.53			1496	16.7				

March 4 2019 Hour: 11:32 7.9 Lat: 39.23N Lon: 9.35W Depth: 1 Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

W LOURINHA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	183	147	EP		1132	35.910	.010							1.0
MESJ	HN	183	147	ES		1132	56.37	-.010							1.0
MESJ	HE	183	147	IAML		1132	59.56			2	0.1				

March 4 2019 Hour: 15:59 15.6 Lat: 36.70N Lon: 9.81W Depth: 12F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	123	57	EP		1559	34.960	.010							1.0
MESJ	HZ	189	48	EP		1559	43.470	.070							1.0
MESJ	HN	189	48	ES		16	0	3.58	-.080						1.0
MESJ	HN	189	48	IAML		16	0	5.67			3	0.1			

March 4 2019 Hour: 18:16 27.0 Lat: 37.30N Lon: 8.57W Depth: 12F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

SW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	274	EP		1816	29.19	-.170							1.0
MORF	HE	7	274	ES		1816	31.200	.130							1.0
MORF	HE	7	274	IAML		1816	31.72			31	0.1				
MESJ	HZ	67	27	EP		1816	37.950	.050							1.0

MESJ HN 67 27 ES 1816 45.83-.020 1.0
 MESJ HN 67 27 IAML 1816 48.32 3 0.3

**March 4 2019 Hour: 23:15 9.7 Lat: 38.34N Lon: 8.04W Depth: 0 Agency: IGL Regional
 Magnitudes: 0.5ML IGL Rms: 0.1 secs**

NW VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	58	196	EP		2315	19.130	.120							1.0
MESJ	HN	58	196	ES		2315	25.70-	.120							1.0
MESJ	HE	58	196	IAML		2315	26.35			2	0.1				

**March 5 2019 Hour: 5:33 2.5 Lat: 36.64N Lon: 9.68W Depth: 24F Agency: IGL Regional
 Magnitudes: 3.1ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	51	EP		533	20.420	.040							1.0
MORF	HE	117	51	ES		533	33.610	.210							1.0
MORF	HN	117	51	IAML		533	34.53			376	0.3				
MESJ	HZ	186	44	EP		533	28.74-	.090							1.0
MESJ	HN	186	44	ES		533	48.080	.060							1.0
MESJ	HN	186	44	IAML		533	50.91			105	0.2				
GGNV	HN	235	11	ES		533	58.36-	.250							0.9
GGNV	HE	235	11	IAML		534	0.66			134	0.1				

**March 5 2019 Hour: 21:32 28.5 Lat: 38.91N Lon: 8.24W Depth: 1F Agency: IGL Regional
 Magnitudes: 1.8ML IGL Rms: 0.1 secs**

SW MORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	119	179	EP		2132	47.760	.070							1.0
MESJ	HE	119	179	ES		2133	1.45-	.230							1.0
MESJ	HE	119	179	IAML		2133	3.34			11	0.1				
MORF	HZ	182	192	EPg		2132	57.930	.080							1.0
MORF	HE	182	192	ES		2133	17.020	.090							1.0
MORF	HN	182	192	IAML		2133	20.16			16	0.3				

**March 6 2019 Hour: 0:13 1.4 Lat: 8.53N Lon: 126.95E Depth: 18F Agency: IGL Distant
 Magnitudes: 5.9Ms IGL Rms: 0.0 secs**

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13105	321	EPP			032	59.480	.020							1.0
MESJ	BZ13105	321	IAMs_20			132	35.74			1952	16.6				
MORF	BZ13172	321	EPP			033	3.66-	.020							1.0
MORF	BZ13172	321	IAMs_20			133	1.59			2150	14.9				

**March 6 2019 Hour: 9:16 34.2 Lat: 36.69N Lon: 8.38W Depth: 13F Agency: IGL Regional
 Magnitudes: 2.5ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	72	340	EP		916	45.910	.020							1.0
MORF	HN	72	340	ES		916	54.470	.070							1.0
MORF	HE	72	340	IAML		916	56.63			304	0.2				
MESJ	HZ	128	6	EP		916	54.430	.110							1.0
MESJ	HN	128	6	ES		917	8.78-	.200							1.0
MESJ	HN	128	6	IAML		917	10.83			40	0.1				

**March 6 2019 Hour: 15:46 15.7 Lat: 32.03S Lon: 177.88W Depth: 29F Agency: IGL Distant
 Magnitudes: 6.9Ms IGL Rms: 0.1 secs**

SOUTH OF KERMADEC ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18756	51	EPKp \bar{d} f			16	6	19.270	.080						1.0
GGNV	BE18756	51	ESS			1632	10.560	.100							1.0
GGNV	BZ18756	51	IAMs_20			1721	10.37			12722	14.0				
MORF	BZ18872	56	EPKp \bar{d} f			16	6	19.91-	.030						1.0
MORF	BZ18872	56	EPP			1611	24.05-	.110							1.0

MORF	BN18872	56	ESS	1632	20.93	-.060													1.0
MORF	BZ18872	56	IAMs_20	1721	47.67				13394	18.7									
MESJ	BZ18876	53	EPKp \bar{f}	16	6	20.040	.130												1.0
MESJ	BZ18876	53	EPP	1611	24.18	-.110													1.0
MESJ	BE18876	53	ESS	1632	21.26	-.010													1.0
MESJ	BZ18876	53	IAMs_20	1721	38.41				12519	19.5									

March 6 2019 Hour: 21:18 20.4 Lat: 36.45N Lon: 6.87W Depth: 31F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	185	301	ES		2119	3.72	-.000							1.0
MORF	HE	185	301	IAML		2119	4.59			5	0.2				
MESJ	HZ	195	323	EP		2118	46.64	-.050							1.0
MESJ	HN	195	323	ES		2119	5.930	.050							1.0
MESJ	HE	195	323	IAML		2119	8.45			1	0.1				

March 7 2019 Hour: 0:0 3.0 Lat: 36.19N Lon: 8.78W Depth: 15F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	124	5	EP		0	0	22.550	.090						1.0
MORF	HN	124	5	ES		0	0	36.50	-.140						1.0
MORF	HN	124	5	IAML		0	0	40.81		30	0.2				
MESJ	HZ	190	15	EP		0	0	30.620	.050						1.0

March 7 2019 Hour: 0:34 34.8 Lat: 37.22N Lon: 1.51W Depth: 9F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	596	279	EP		035	52.980	.040							1.0

March 7 2019 Hour: 2:37 22.2 Lat: 36.57N Lon: 10.66W Depth: 31F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	197	65	EP		237	48.660	.010							1.0
MORF	HN	197	65	ES		238	8.040	.070							1.0
MORF	HN	197	65	IAML		238	10.81			51	0.3				
MESJ	HZ	258	56	EP		237	56.13	-.180							1.0
MESJ	HE	258	56	ES		238	21.310	.100							1.0
MESJ	HN	258	56	IAML		238	22.24			12	0.2				

March 7 2019 Hour: 5:21 42.4 Lat: 36.48N Lon: 7.97W Depth: 5F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	110	327	EP		522	0.140	.040							1.0
MORF	HN	110	327	ES		522	13.120	.080							1.0
MORF	HE	110	327	IAML		522	14.59			11	0.1				
MESJ	HZ	153	352	EP		522	6.24	-.020							1.0
MESJ	HE	153	352	ES		522	23.60	-.110							1.0
MESJ	HE	153	352	IAML		522	26.36			2	0.1				

March 7 2019 Hour: 5:50 37.2 Lat: 18.83S Lon: 69.40W Depth: 111F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8891	45	EP		6	2	34.010	.050						1.0
MORF	BZ	8891	45	IAMB		6	2	38.34		22	0.7				
MESJ	BZ	8955	45	EP		6	2	36.96	-.050						1.0
MESJ	BZ	8955	45	IAMB		6	2	38.34		100	1.8				

March 7 2019 Hour: 19: 7 36.7 Lat: 33.29N Lon: 6.36W Depth: 31F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	492	336	EP		19 8	39.36	-.090							1.0
MORF	HN	492	336	ES		19 9	25.350	.080							1.0
MORF	HE	492	336	IAML		19 9	28.19			37	0.3				
MESJ	HZ	532	342	EP		19 8	44.25	-.070							1.0
MESJ	HN	532	342	ES		19 9	33.760	.070							1.0
MESJ	HE	532	342	IAML		19 9	38.30			13	0.2				

March 7 2019 Hour: 22:42 13.6 Lat: 37.30N Lon: 8.56W Depth: 17F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	273	EP		2242	16.46	-.200							1.0
MORF	HN	8	273	ES		2242	18.980	.070							1.0
MORF	HN	8	273	IAML		2242	19.20			86	0.2				
MESJ	HZ	67	27	EP		2242	24.690	.220							1.0
MESJ	HN	67	27	ES		2242	32.33	-.080							1.0
MESJ	HN	67	27	IAML		2242	33.37			10	0.1				

March 8 2019 Hour: 8:34 19.4 Lat: 35.53N Lon: 4.62W Depth: 81F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	411	310	EP		835	12.46	-.030							1.0
MESJ	HE	411	310	ES		835	51.370	.140							1.0
MESJ	HN	411	310	IAML		835	54.16			51	0.2				
MORF	HZ	412	300	EP		835	12.50	-.090							1.0
MORF	HN	412	300	ES		835	51.37	-.020							1.0
MORF	HN	412	300	IAML		835	53.57			68	0.1				

March 8 2019 Hour: 15: 6 16.1 Lat: 10.39N Lon: 126.08E Depth: 54F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.0 secs

PHILIPPINE ISLAND REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12885	321	EPP			1525	55.940	.040							1.0
MESJ	BZ12885	321	IAMs_20			16 7	37.74			2527	36.6				
GGNV	BZ12886	322	EPP			1525	55.91	-.060							1.0
GGNV	BZ12886	322	IAMs_20			1619	4.31			2894	20.7				
MORF	BZ12952	321	EPP			1526	0.200	.030							1.0
MORF	BE12952	321	IAMs_20			1618	16.21			2428	22.8				

March 9 2019 Hour: 0:34 29.5 Lat: 36.77N Lon: 7.13W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	148	294	EP		034	49.84	-.100							1.0
MORF	HN	148	294	ES		035	4.930	.090							1.0
MORF	HN	148	294	IAML		035	7.17			11	0.2				
MESJ	HZ	153	321	EP		034	50.560	.010							1.0

March 9 2019 Hour: 4:17 6.7 Lat: 36.71N Lon: 7.08W Depth: 32F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	155	296	EP		417	28.61	-.080							1.0
MORF	HN	155	296	ES		417	44.74	-.010							1.0
MORF	HE	155	296	IAML		417	46.51			9	0.3				
MESJ	HZ	161	321	EP		417	29.460	.020							1.0
MESJ	HE	161	321	ES		417	46.110	.060							1.0
MESJ	HN	161	321	IAML		417	47.76			2	0.1				

March 9 2019 Hour: 9: 8 56.4 Lat: 38.77N Lon: 7.96W Depth: 2F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

NE ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	106	192	EP		9	9	13.40	-.050						1.0
MESJ	HN	106	192	ES		9	9	26.040	.140						1.0
MESJ	HE	106	192	IAML		9	9	28.36		13	0.1				
MORF	HN	174	201	ES		9	9	42.76	-.100						1.0
MORF	HN	174	201	IAML		9	9	46.45		17	0.2				

March 9 2019 Hour: 16:55 39.2 Lat: 35.51N Lon: 3.82W Depth: 10F Agency: IGL Regional
Rms: 0.0 secs

STTRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	470	305	EP		1656	41.88	-.010							1.0

March 10 2019 Hour: 8: 8 23.6 Lat: 37.31N Lon: 8.56W Depth: 6F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	266	EP		8	8	25.17	-.170						1.0
MORF	HE	8	266	ES		8	8	26.720	.140						1.0
MORF	HN	8	266	IAML		8	8	27.22		340	0.2				
MESJ	HZ	66	27	EP		8	8	34.30	-.040						1.0
MESJ	HN	66	27	ES		8	8	42.220	.080						1.0
MESJ	HN	66	27	IAML		8	8	43.28		4	0.1				

March 10 2019 Hour: 8:12 25.7 Lat: 17.83S Lon: 178.66W Depth: 567F Agency: IGL Distant
Rms: 0.1 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17501	22	EPKPdf			831	16.490	.060							1.0
GGNV	BZ17501	22	EPKPab			831	51.860	.010							1.0
MESJ	BZ17625	21	EPKPdf			831	17.950	.140							1.0
MESJ	BZ17625	21	EPKPab			831	56.59	-.140							1.0
MESJ	BZ17625	21	EpPKPdf			833	30.670	.020							1.0
MORF	BZ17661	22	EPKPdf			831	18.300	.050							1.0
MORF	BZ17661	22	EPKPab			831	58.09	-.130							1.0
MORF	BZ17661	22	EpPKPdf			833	31.11	-.000							1.0

March 10 2019 Hour: 12:48 0.9 Lat: 10.14S Lon: 152.05E Depth: 10F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

D'ENTRECASTEUX ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16356	332	EPKPab			13	7	44.96	-.030						1.0
GGNV	BZ16356	332	IAMs_20			1414	36.63			3386	20.2				
MESJ	BZ16385	330	EPKPdf			13	7	41.580	.110						1.0
MESJ	BZ16385	330	EPKPab			13	7	45.96	-.120						1.0
MESJ	BN16385	330	ESS			1330	12.54	-.060							1.0
MESJ	BZ16385	330	IAMs_20			14	6	13.21		5636	33.9				
MORF	BZ16456	330	EPKPdf			13	7	42.650	.090						1.0
MORF	BZ16456	330	IAMs_20			1414	50.47			4848	19.9				

March 10 2019 Hour: 13: 5 54.8 Lat: 37.34N Lon: 8.53W Depth: 15F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	250	EP		13	5	57.880	.020						1.0
MORF	HN	12	250	ES		13	6	0.09	-.020						1.0
MORF	HE	12	250	IAML		13	6	0.68		38	0.1				

March 10 2019 Hour: 16:23 49.0 Lat: 58.45N Lon: 31.86W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Ms IGL Rms: 0.1 secs

REYKJANES RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2731	133	EP		1629	8.990	.030							1.0
GGNV	BZ	2731	133	IAMs_20		1636	13.91		2779	16.6					
MESJ	BZ	2855	133	EP		1629	19.300	.120							1.0
MESJ	BZ	2855	133	IAMs_20		1636	39.71		2915	22.6					
MORF	BZ	2889	134	EP		1629	21.83	-.150							1.0
MORF	BZ	2889	134	IAMs_20		1636	37.39		2460	20.2					

March 10 2019 Hour: 18: 4 59.8 Lat: 58.39N Lon: 32.02W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.0 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2733	133	EP		1810	19.990	.050							1.0
GGNV	BN	2733	133	IAMs_20		1816	49.33		22847	19.9					
MESJ	BZ	2858	133	EP		1810	30.11	-.050							1.0
MESJ	BN	2858	133	ES		1814	59.940	.010							1.0
MESJ	BZ	2858	133	IAMs_20		1817	51.26		27436	20.9					
MORF	BZ	2891	134	EP		1810	32.94	-.010							1.0
MORF	BZ	2891	134	IAMs_20		1817	48.24		24270	22.7					

March 11 2019 Hour: 16:25 52.0 Lat: 6.06S Lon: 149.00E Depth: 31F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15801	332	EP	KPdf		1645	20.280	.090							1.0
GGNV	BZ15801	332	IAMs_20			1752	55.52		3250	24.4					
MESJ	BZ15828	330	EP	KPdf		1645	20.770	.120							1.0
MESJ	BZ15828	330	EPP			1648	27.34	-.110							1.0
MESJ	BZ15828	330	IAMs_20			1745	44.88		2372	19.8					
MORF	BZ15898	330	EP	KPdf		1645	21.71	-.100							1.0
MORF	BE15898	330	IAMs_20			1751	5.38		1911	12.4					

March 11 2019 Hour: 16:52 36.4 Lat: 36.05N Lon: 10.39W Depth: 23F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	209	48	EP		1653	6.010	.090							1.0
MORF	HN	209	48	ES		1653	27.450	.020							1.0
MORF	HE	209	48	IAML		1653	29.13		8	0.1					
MESJ	HZ	277	44	EP		1653	14.420	.020							1.0
MESJ	HE	277	44	ES		1653	41.98	-.140							1.0
MESJ	HN	277	44	IAML		1653	44.35		3	0.2					

March 12 2019 Hour: 4:33 57.1 Lat: 37.15N Lon: 7.93W Depth: 18F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

W S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	66	285	EP		434	7.990	.030							1.0
MORF	HE	66	285	ES		434	15.80	-.060							1.0
MORF	HN	66	285	IAML		434	17.45		6	0.2					
MESJ	HZ	81	342	EP		434	10.160	.070							1.0
MESJ	HE	81	342	ES		434	19.51	-.040							1.0
MESJ	HN	81	342	IAML		434	22.31		2	0.2					

March 12 2019 Hour: 4:35 55.0 Lat: 37.03N Lon: 5.33W Depth: 5F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	271	290	EP		436	33.630	0.010							1.0
MORF	HN	297	277	ES		437	7.35-	0.010							1.0
MORF	HN	297	277	IAML		437	8.17			2	0.1				

March 12 2019 Hour: 5:38 45.4 Lat: 36.86N Lon: 10.53W Depth: 26F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	174	73	EP		539	10.13-	0.03							1.0
MORF	HN	174	73	ES		539	28.12-	0.10							1.0
MORF	HN	174	73	IAML		539	31.21			6	0.4				
MESJ	HZ	232	61	EP		539	17.33	0.03							1.0
MESJ	HN	232	61	ES		539	40.66	0.10							1.0
MESJ	HN	232	61	IAML		539	43.44			1	0.1				

March 12 2019 Hour: 6:44 26.5 Lat: 37.04N Lon: 5.30W Depth: 0 Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	273	290	EP		645	5.87-	0.060							1.0
MORF	HN	299	277	ES		645	40.420	0.070							1.0
MORF	HN	299	277	IAML		645	42.80			4	0.3				

March 12 2019 Hour: 11:19 32.4 Lat: 37.27N Lon: 8.52W Depth: 0 Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs
SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	288	EP		1119	34.28-	0.150							1.0
MORF	HE	12	288	ES		1119	35.910	0.020							1.0
MORF	HN	12	288	IAML		1119	36.42			130	0.1				
MESJ	HZ	69	23	EP		1119	43.660	0.170							1.0
MESJ	HE	69	23	ES		1119	51.54-	0.020							1.0
MESJ	HE	69	23	IAML		1119	52.02			2	0.1				

March 12 2019 Hour: 15:10 9.8 Lat: 36.57N Lon: 9.01W Depth: 12F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	88	21	EP		1510	23.70-	0.020							1.0
MORF	HE	88	21	ES		1510	34.010	0.110							1.0
MORF	HE	88	21	IAML		1510	37.09			26	0.1				
MESJ	HE	157	26	ES		1510	50.82-	0.090							1.0
MESJ	HE	157	26	IAML		1510	51.99			3	0.3				

March 12 2019 Hour: 18:17 1.0 Lat: 37.26N Lon: 7.76W Depth: 10F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
NE S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	76	328	EP		1817	13.16-	0.170							1.0
MESJ	HN	76	328	ES		1817	22.30-	0.020							1.0
MESJ	HN	76	328	IAML		1817	23.44			4	0.1				
MORF	HZ	79	274	EP		1817	13.930	0.090							1.0
MORF	HN	79	274	ES		1817	23.300	0.100							1.0
MORF	HN	79	274	IAML		1817	27.20			15	0.2				

**March 12 2019 Hour: 22:20 8.9 Lat: 36.66N Lon: 11.08W Depth: 32F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	228	71	ES		2221	2.660	.080							1.0
MORF	HN	228	71	IAML		2221	5.41			9	0.3				
MESJ	HZ	286	62	EP		2220	47.06	-.010							1.0
MESJ	HE	286	62	ES		2221	14.89	-.070							1.0
MESJ	HN	286	62	IAML		2221	16.60			4	0.3				

**March 13 2019 Hour: 0:34 52.9 Lat: 37.33N Lon: 8.58W Depth: 14F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs**

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	246	EP		034	55.27	-.190							1.0
MORF	HN	7	246	ES		034	57.470	.130							1.0
MORF	HN	7	246	IAML		034	57.86			87	0.2				
MESJ	HZ	65	29	EP		035	3.450	.060							1.0
MESJ	HN	65	29	ES		035	11.06	-.000							1.0
MESJ	HN	65	29	IAML		035	13.43			3	0.1				

**March 13 2019 Hour: 0:51 41.1 Lat: 37.04N Lon: 5.28W Depth: 1 Agency: IGL Regional
Rms: 0.0 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	275	290	EP		052	20.540	.010							1.0

**March 13 2019 Hour: 1: 3 58.7 Lat: 37.01N Lon: 5.30W Depth: 1F Agency: IGL Regional
Rms: 0.0 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	275	290	EP		1 4	38.180	.040							1.0

**March 13 2019 Hour: 1:35 50.2 Lat: 37.03N Lon: 5.27W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	276	290	EP		136	29.880	.010							1.0

**March 13 2019 Hour: 2:41 38.1 Lat: 37.00N Lon: 5.29W Depth: 0 Agency: IGL Regional
Magnitudes: 3.7ML IGL Rms: 0.1 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	276	291	EP		242	18.000	.140							1.0
MORF	HZ	301	278	EP		242	20.82	-.170							1.0
MORF	HN	301	278	ES		242	52.320	.030							1.0
MORF	HN	301	278	IAML		243	8.08			331	0.4				

**March 13 2019 Hour: 3: 8 52.6 Lat: 37.04N Lon: 5.29W Depth: 3F Agency: IGL Regional
Rms: 0.0 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	274	290	EP		3 9	31.860	.010							1.0

**March 13 2019 Hour: 3:19 33.0 Lat: 37.02N Lon: 5.30W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	274	290	EP		320	12.41	-.010							1.0

March 13 2019 Hour: 3:44 48.8 Lat: 37.01N Lon: 5.30W Depth: 1F Agency: IGL Regional
Rms: 0.0 secs
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 275 290 EP 345 28.310.030 1.0

March 13 2019 Hour: 3:47 56.5 Lat: 37.04N Lon: 5.28W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 275 290 EP 348 36.02-.000 1.0

March 13 2019 Hour: 4:10 23.0 Lat: 37.00N Lon: 5.32W Depth: 4F Agency: IGL Regional
Rms: 0.0 secs
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 273 291 EP 411 1.930.000 1.0

March 13 2019 Hour: 4:45 31.7 Lat: 37.04N Lon: 5.32W Depth: 3F Agency: IGL Regional
Rms: 0.0 secs
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 272 290 EP 446 10.640.010 1.0

March 13 2019 Hour: 5:16 32.3 Lat: 37.04N Lon: 5.29W Depth: 2F Agency: IGL Regional
Rms: 0.0 secs
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 274 290 EP 517 11.570.010 1.0

March 13 2019 Hour: 5:44 22.2 Lat: 37.02N Lon: 5.31W Depth: 8F Agency: IGL Regional
Rms: 0.0 secs
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 274 290 EP 545 0.84-.010 1.0

March 13 2019 Hour: 17:47 22.3 Lat: 37.02N Lon: 5.31W Depth: 6F Agency: IGL Regional
Magnitudes: 2.2ML IGL
Rms: 0.1 secs
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 273 290 EP 1748 1.220.090 1.0
 MESJ HN 273 290 ES 1748 29.31-.140 1.0
 MESJ HN 273 290 IAML 1748 30.15 6 0.2
 MORF HZ 299 277 EP 1748 4.23-.100 1.0
 MORF HN 299 277 ES 1748 35.140.150 1.0
 MORF HN 299 277 IAML 1748 38.00 25 0.2

March 13 2019 Hour: 17:50 58.8 Lat: 36.97N Lon: 5.24W Depth: 8F Agency: IGL Regional
Magnitudes: 2.5ML IGL
Rms: 0.1 secs
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 281 291 EP 1751 38.390.020 1.0
 MESJ HE 281 291 ES 1752 7.21-.020 1.0
 MESJ HN 281 291 IAML 1752 11.37 8 0.2
 MORF HZ 305 278 EP 1751 41.35-.080 1.0
 MORF HN 305 278 ES 1752 12.600.070 1.0
 MORF HE 305 278 IAML 1752 16.05 44 0.2

March 13 2019 Hour: 18:16 48.5 Lat: 36.99N Lon: 5.33W Depth: 4F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	273	291	EP		1817	27.38	-.090							1.0
MORF	HZ	297	278	EP		1817	30.580	.020							1.0
MORF	HN	297	278	ES		1818	1.310	.060							1.0
MORF	HN	297	278	IAML		1818	5.10			19	0.2				

March 13 2019 Hour: 20:34 15.8 Lat: 36.99N Lon: 5.31W Depth: 3F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	274	291	EP		2034	54.88	-.140							1.0
MORF	HZ	299	278	EP		2034	58.320	.180							1.0
MORF	HN	299	278	ES		2035	28.99	-.040							1.0
MORF	HN	299	278	IAML		2035	31.19			8	0.2				

March 13 2019 Hour: 21:12 7.7 Lat: 36.55N Lon: 14.53W Depth: 31F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	530	79	EP		2113	15.110	.020							1.0
MORF	HE	530	79	ES		2114	4.410	.100							1.0
MORF	HN	530	79	IAML		2114	6.28			12	0.3				
MESJ	HZ	578	74	EP		2113	20.80	-.060							1.0
MESJ	HN	578	74	ES		2114	14.23	-.060							1.0
MESJ	HN	578	74	IAML		2114	18.78			5	0.2				

March 14 2019 Hour: 1:34 21.4 Lat: 37.28N Lon: 8.58W Depth: 12F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs
SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	293	EP		134	23.760	.030							1.0
MORF	HE	7	293	ES		134	25.460	.030							1.0
MORF	HN	7	293	IAML		134	25.99			37	0.1				
MESJ	HN	70	27	ES		134	40.81	-.060							1.0
MESJ	HN	70	27	IAML		134	43.25			1	0.1				

March 15 2019 Hour: 2: 6 39.0 Lat: 36.63N Lon: 9.79W Depth: 13F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	53	EP		2 6	58.70	-.090							1.0
MORF	HE	126	53	ES		2 7	13.300	.070							1.0
MORF	HN	126	53	IAML		2 7	15.23			4	0.2				
MESJ	HN	193	46	ES		2 7	27.770	.010							1.0
MESJ	HN	193	46	IAML		2 7	28.87			2	0.2				

March 15 2019 Hour: 3: 5 16.7 Lat: 39.21N Lon: 9.31W Depth: 0 Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
SE LOURINHA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	179	148	EP		3 5	44.29	-.150							1.0
MESJ	HE	179	148	ES		3 6	4.830	.150							1.0
MESJ	HE	179	148	IAML		3 6	5.76			3	0.3				

March 15 2019 Hour: 4: 5 19.2 Lat: 36.60N Lon: 9.79W Depth: 13F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	128	52	EP		4 5	39.320	.030							1.0
MORF	HN	128	52	ES		4 5	53.960	.020							1.0
MORF	HE	128	52	IAML		4 5	55.35			23	0.1				
MESJ	HZ	196	45	EP		4 5	47.750	.060							1.0
MESJ	HE	196	45	ES		4 6	8.36-	.110							1.0
MESJ	HN	196	45	IAML		4 6	9.57			3	0.1				

March 15 2019 Hour: 5: 3 49.9 Lat: 17.86S Lon: 65.89W Depth:358F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

COCHABAMBA, BOLIVIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8555	44	EP		515	3.600	.030							1.0
MORF	BZ	8555	44	IAMB		515	6.61			194	0.8				
MORF	BN	8555	44	ES		524	21.55-	.130							1.0
GGNV	BZ	8609	42	EP		515	6.250	.090							1.0
GGNV	BZ	8609	42	IAMB		515	8.60			195	1.1				
GGNV	BE	8609	42	ES		524	26.760	.040							1.0
MESJ	BZ	8620	43	EP		515	6.780	.040							1.0
MESJ	BZ	8620	43	IAMB		515	10.19			125	0.9				
MESJ	BN	8620	43	ES		524	27.76-	.070							1.0

March 16 2019 Hour: 1:38 57.4 Lat: 35.71N Lon: 8.81W Depth: 39F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	177	5	EP		139	22.21-	.090							1.0
MORF	HE	177	5	ES		139	40.44-	.010							1.0
MORF	HN	177	5	IAML		139	42.24			3	0.1				
MESJ	HZ	242	12	EP		139	30.430	.140							1.0
MESJ	HE	242	12	ES		139	54.24-	.030							1.0
MESJ	HN	242	12	IAML		139	56.21			2	0.2				

March 16 2019 Hour: 2:46 18.9 Lat: 37.16N Lon: 7.60W Depth: 7F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

NE TAVIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	93	324	EP		246	33.92-	.060							1.0
MESJ	HE	93	324	ES		246	45.050	.060							1.0
MESJ	HN	93	324	IAML		246	47.89			3	0.1				
MORF	HZ	95	280	EP		246	34.22-	.010							1.0
MORF	HE	95	280	ES		246	45.440	.020							1.0
MORF	HN	95	280	IAML		246	49.02			6	0.2				

March 16 2019 Hour: 8:50 13.3 Lat: 34.21N Lon: 26.43E Depth: 20F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs

CRETE, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3132	287	EP		856	4.21-	.010							1.0
MESJ	BZ	3132	287	IAMB		856	9.31			40	1.8				

March 16 2019 Hour: 9: 9 42.2 Lat: 37.31N Lon: 8.57W Depth: 11F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	265	EP		9 9	44.21-	.180							1.0
MORF	HE	7	265	ES		9 9	46.010	.010							1.0
MORF	HN	7	265	IAML		9 9	46.42			146	0.1				
MESJ	HZ	66	28	EP		9 9	53.230	.260							1.0
MESJ	HN	66	28	ES		910	0.78-	.070							1.0

MESJ HE 66 28 IAML 910 2.68 10 0.1

**March 16 2019 Hour: 17:53 39.3 Lat: 36.49N Lon: 7.82W Depth: 1 Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	321	EP		1753	57.94	-.190							1.0
MORF	HN	117	321	ES		1754	12.170	.270							1.0
MORF	HE	117	321	IAML		1754	13.62			27	0.3				
MESJ	HZ	154	347	EP		1754	3.58	-.160							1.0
MESJ	HN	154	347	ES		1754	21.690	.080							1.0
MESJ	HE	154	347	IAML		1754	25.13			4	0.1				

**March 17 2019 Hour: 3:24 12.7 Lat: 36.68N Lon: 7.54W Depth: 14F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	305	EP		324	31.71	-.010							1.0
MESJ	HZ	142	335	EP		324	34.460	.040							1.0
MESJ	HN	142	335	ES		324	50.25	-.020							1.0
MESJ	HE	142	335	IAML		324	51.81			2	0.1				

**March 17 2019 Hour: 5:45 58.9 Lat: 42.91N Lon: 29.28W Depth: 10F Agency: IGL Distant
Magnitudes: 4.5Mb IGL Rms: 0.0 secs**

AZORES ISLANDS REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	1860	103	EP		549	53.41	-.040							1.0
MORF	BZ	1860	103	IAMB		549	58.77			50	1.5				
MESJ	BZ	1869	100	EP		549	54.520	.040							1.0
MESJ	BZ	1869	100	IAMB		549	59.20			79	1.6				

**March 18 2019 Hour: 1:11 36.0 Lat: 36.75N Lon: 9.07W Depth: 27F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	72	31	EP		111	47.890	.080							1.0
MORF	HN	72	31	ES		111	56.39	-.010							1.0
MORF	HN	72	31	IAML		111	56.87			503	0.2				
MESJ	HZ	142	32	EP		111	56.60	-.150							1.0
MESJ	HN	142	32	ES		112	11.950	.080							1.0
MESJ	HN	142	32	IAML		112	13.10			61	0.3				

**March 18 2019 Hour: 5:11 1.9 Lat: 36.73N Lon: 7.24W Depth: 14F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.2 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	141	297	EP		511	23.16	-.350							1.0
MORF	HN	141	297	ES		511	39.27	-.000							1.0
MORF	HN	141	297	IAML		511	43.52			50	0.2				
MESJ	HZ	151	325	EP		511	25.000	.310							1.0
MESJ	HN	151	325	ES		511	41.360	.040							1.0
MESJ	HE	151	325	IAML		511	43.95			5	0.2				

**March 19 2019 Hour: 5:45 24.9 Lat: 37.03N Lon: 5.32W Depth: 1F Agency: IGL Regional
Rms: 0.0 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	272	290	EP		546	4.040	.030							1.0

March 19 2019 Hour: 5:54 52.7 Lat: 37.02N Lon: 5.30W Depth: 0 Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	274	290	EP		555	32.18	-.100							1.0
MORF	HN	300	277	ES		556	6.740	.100							1.0
MORF	HN	300	277	IAML		556	8.35			4	0.2				

March 19 2019 Hour: 10: 6 31.6 Lat: 38.93N Lon: 10.25W Depth: 3F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs
NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	228	142	EP		10 7	5.11	-.020							1.0
MORF	HE	228	142	ES		10 7	29.650	.020							1.0
MORF	HN	228	142	IAML		10 7	31.10			3	0.3				

March 19 2019 Hour: 12:44 12.3 Lat: 37.07N Lon: 5.12W Depth: 7F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	287	288	EP		1244	52.71	-.020							1.0

March 19 2019 Hour: 19:22 35.5 Lat: 36.41N Lon: 11.39W Depth: 32F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	264	67	EP		1923	11.00	-.040							1.0
MORF	HN	264	67	ES		1923	37.070	.110							1.0
MORF	HE	264	67	IAML		1923	39.22			10	0.1				
MESJ	HZ	323	60	EP		1923	18.35	-.080							1.0
MESJ	HN	323	60	ES		1923	49.75	-.000							1.0
MESJ	HN	323	60	IAML		1923	51.61			3	0.2				

March 20 2019 Hour: 2:41 21.8 Lat: 36.98N Lon: 9.05W Depth: 29F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	50	44	EP		241	30.840	.150							1.0
MORF	HE	50	44	ES		241	37.14	-.080							1.0
MORF	HE	50	44	IAML		241	38.22			157	0.1				
MESJ	HZ	120	37	EP		241	39.42	-.180							1.0
MESJ	HN	120	37	ES		241	52.720	.100							1.0
MESJ	HN	120	37	IAML		241	54.49			15	0.1				

March 20 2019 Hour: 4:24 1.8 Lat: 37.32N Lon: 8.56W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs
NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	258	EP		424	4.05	-.160							1.0
MORF	HE	8	258	ES		424	5.96	-.030							1.0
MORF	HN	8	258	IAML		424	6.44			86	0.1				
MESJ	HZ	65	27	EP		424	12.490	.190							1.0
MESJ	HN	65	27	ES		424	19.98	-.000							1.0
MESJ	HN	65	27	IAML		424	22.58			3	0.1				

March 20 2019 Hour: 6:34 28.0 Lat: 37.43N Lon: 29.44E Depth: 11F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs
WESTERN TURKEY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3302	282	EP		640	33.87	-.150							1.0
MESJ	BZ	3302	282	IAMB		640	37.55			337	2.2				
MESJ	BE	3302	282	ES		645	30.810	.010							1.0
MORF	BZ	3351	282	EP		640	37.92	-.080							1.0

MORF	BZ	3351	282	IAmb	640	40.25			495	2.9								
MORF	BE	3351	282	ES	645	38.010.160												1.0
GGNV	BZ	3364	284	EP	640	39.010.060												1.0
GGNV	BZ	3364	284	IAmb	640	43.83			106	0.9								

March 20 2019 Hour: 15:23 58.8 Lat: 15.60S Lon: 167.65E Depth:119F Agency: IGL Distant Rms: 0.2 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17451	354	EPKPdf			1543	38.99-	.270							1.0
GGNV	BZ17451	354	EPKPab			1544	10.540.	400							0.9
GGNV	BZ17451	354	EPP			1547	48.73-	.070							1.0
MESJ	BZ17534	351	EPKPdf			1543	40.20-	.040							1.0
MESJ	BZ17534	351	EPKPab			1544	13.600.	180							1.0
MESJ	BZ17534	351	EPP			1547	52.72-	.220							1.0
MORF	BZ17599	352	EPKPdf			1543	40.94-	.080							1.0
MORF	BZ17599	352	EPKPab			1544	16.330.	310							0.9
MORF	BZ17599	352	EPP			1547	56.08-	.120							1.0

March 20 2019 Hour: 16:23 23.2 Lat: 2.79S Lon: 77.35W Depth: 40F Agency: IGL Distant Rms: 0.1 secs

PERU-ECUADOR BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8340	50	EP		1635	0.340.	070							1.0
MESJ	BZ	8393	50	EP		1635	2.87-	.070							1.0

March 20 2019 Hour: 19:13 3.2 Lat: 15.16N Lon: 44.90W Depth: 10F Agency: IGL Distant Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4334	49	EP		1920	29.410.	020							1.0
MORF	BZ	4334	49	IAmb		1920	30.44			43	1.1				
MESJ	BZ	4393	48	EP		1920	33.80-	.020							1.0
MESJ	BZ	4393	48	IAmb		1920	35.89			97	1.8				

March 21 2019 Hour: 23:59 41.3 Lat: 37.36N Lon: 15.68W Depth: 11F Agency: IGL Regional Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	623	88	EP		24	1	2.530.	120						1.0
MESJ	HZ	661	83	EP		24	1	6.95-	.040						1.0
MESJ	HN	661	83	ES		24	2	9.45-	.090						1.0
MESJ	HN	661	83	IAML		24	2	11.60			8	0.3			

March 22 2019 Hour: 2:42 41.3 Lat: 49.66N Lon: 28.63W Depth: 10F Agency: IGL Distant Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1965	121	EP		246	47.790.	080							1.0
GGNV	BZ	1965	121	IAMs_20		252	9.63			2493	21.5				
MESJ	BZ	2092	121	EP		247	1.03-	.000							1.0
MESJ	BN	2092	121	ES		250	33.10-	.210							1.0
MESJ	BZ	2092	121	IAMs_20		252	15.37			2007	20.4				
MORF	BZ	2108	123	EP		247	2.67-	.020							1.0
MORF	BN	2108	123	ES		250	37.080.	150							1.0
MORF	BZ	2108	123	IAMs_20		252	8.71			2008	20.5				

March 22 2019 Hour: 4:50 3.7 Lat: 36.20N Lon: 10.55W Depth: 30F Agency: IGL Regional Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	209	54	EP		450	32.570.	090							1.0
MORF	HE	209	54	ES		450	53.40-	.120							1.0
MORF	HN	209	54	IAML		450	53.88				5	0.4			

MESJ HZ	276	48	EP	450	40.780.040														1.0
MESJ HE	276	48	ES	451	7.80-.010														1.0
MESJ HN	276	48	IAML	451	9.23				3	0.3									

March 22 2019 Hour: 7:36 12.1 Lat: 38.49N Lon: 7.14W Depth: 8F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

NE MOURAO, PORTUGAL Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	119	233	EP		736	31.040.010								1.0
MESJ HN	119	233	ES		736	44.84-.010								1.0
MESJ HN	119	233	IAML		736	47.08			2	0.1				

March 22 2019 Hour: 14:52 59.4 Lat: 11.39S Lon: 162.50E Depth: 51F Agency: IGL Distant
Rms: 0.0 secs

SOLOMON ISLANDS Net: NEIC

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ16961	344	EPKP			1512	50.230.020								1.0
MORF BZ17030	344	EPKP			1512	51.69-.020								1.0

March 22 2019 Hour: 20:21 11.1 Lat: 36.69N Lon: 9.70W Depth: 1 Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	115	54	EP		2021	29.72-.040								1.0
MORF HE	115	54	ES		2021	43.400.040								1.0
MORF HN	115	54	IAML		2021	44.63			3	0.1				

March 22 2019 Hour: 23:21 50.0 Lat: 35.31N Lon: 11.55W Depth: 36F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	342	49	EP		2322	35.16-.090								1.0
MORF HE	342	49	ES		2323	8.410.150								1.0
MORF HN	342	49	IAML		2323	9.94			5	0.1				
MESJ HZ	409	46	EP		2322	43.27-.170								1.0
MESJ HN	409	46	ES		2323	22.530.110								1.0
MESJ HN	409	46	IAML		2323	25.60			2	0.3				

March 23 2019 Hour: 8:32 47.4 Lat: 36.05N Lon: 7.41W Depth: 35F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	178	322	EP		833	12.20-.150								1.0
MORF HN	178	322	ES		833	30.590.050								1.0
MORF HN	178	322	IAML		833	31.66			7	0.1				
MESJ HZ	211	340	EP		833	16.480.030								1.0
MESJ HN	211	340	ES		833	37.690.070								1.0
MESJ HE	211	340	IAML		833	40.17			4	0.2				

March 23 2019 Hour: 19:21 16.5 Lat: 4.56N Lon: 76.28W Depth: 113F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.1 secs

COLOMBIA Net: NEIC

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV BZ 7723	50	EP			1932	12.280.080								1.0
GGNV BZ 7723	50	IAMB			1932	14.39			267	0.8				
GGNV BE 7723	50	ES			1941	10.61-.160								1.0
MORF BZ 7737	52	EP			1932	13.03-.020								1.0
MORF BZ 7737	52	IAMB			1932	16.27			527	1.0				
MORF BZ 7737	52	EP			1932	41.060.110								1.0
MORF BN 7737	52	ES			1941	12.540.160								1.0
MESJ BZ 7785	51	EP			1932	15.62-.030								1.0
MESJ BZ 7785	51	IAMB			1932	18.61			229	1.2				
MESJ BZ 7785	51	EP			1932	43.690.110								1.0
MESJ BE 7785	51	ES			1941	17.10-.260								0.9

March 24 2019 Hour: 4:20 22.0 Lat: 36.63N Lon: 7.30W Depth: 31F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	142	302	EP		420	41.43	-.280							1.0
MORF	HN	142	302	ES		420	56.200	.140							1.0
MORF	HE	142	302	IAML		420	57.58			48	0.2				
MESJ	HZ	157	329	EP		420	43.730	.150							1.0
MESJ	HN	157	329	ES		420	59.28	-.010							1.0
MESJ	HN	157	329	IAML		421	0.36			9	0.2				

March 24 2019 Hour: 4:37 34.2 Lat: 1.71N Lon: 126.42E Depth: 37F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

MOLUCCA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13642	318	EP	KPdf		456	25.580	.100							1.0
MESJ	BZ13642	318	EPP			458	2.64	-.040							1.0
MESJ	BZ13642	318	IAMs_20			550	24.02			3120	29.4				
MORF	BZ13706	318	EPP			458	6.58	-.060							1.0
MORF	BZ13706	318	IAMs_20			550	56.28			3448	24.9				

March 24 2019 Hour: 9:30 2.1 Lat: 12.14N Lon: 86.68W Depth: 115F Agency: IGL Distant
Rms: 0.0 secs

NICARAGUA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8155	55	EP		941	21.210	.050							1.0
MESJ	BZ	8191	54	EP		941	22.93	-.050							1.0

March 24 2019 Hour: 16:16 9.0 Lat: 38.03N Lon: 0.47W Depth: 8F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	682	271	EP		1617	37.640	.060							1.0

March 24 2019 Hour: 18:36 14.3 Lat: 36.84N Lon: 4.00W Depth: 64F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	390	288	EP		1837	5.150	.080							1.0
MESJ	HN	390	288	ES		1837	41.97	-.130							1.0
MESJ	HN	390	288	IAML		1837	43.57			3	0.2				
MORF	HZ	417	278	EP		1837	8.450	.090							1.0
MORF	HN	417	278	ES		1837	47.74	-.050							1.0
MORF	HN	417	278	IAML		1837	51.93			17	0.3				

March 25 2019 Hour: 20:45 52.0 Lat: 39.17N Lon: 10.72W Depth: 54F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	263	123	EP		2046	27.410	.080							1.0
MESJ	HE	263	123	ES		2046	53.160	.050							1.0
MESJ	HN	263	123	IAML		2046	55.92			3	0.1				
MORF	HZ	275	138	EP		2046	28.64	-.130							1.0
MORF	HN	275	138	ES		2046	55.620	.010							1.0
MORF	HN	275	138	IAML		2046	57.12			3	0.1				

March 26 2019 Hour: 10:47 56.8 Lat: 36.46N Lon: 7.98W Depth: 21F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	111	328	EP		1048	13.97	-.140							1.0
MORF	HN	111	328	ES		1048	26.64	-.100							1.0
MORF	HN	111	328	IAML		1048	27.98			46	0.1				

MESJ HZ	155	352	EP	1048	19.630.170												1.0
MESJ HN	155	352	ES	1048	36.060.070												1.0
MESJ HN	155	352	IAML	1048	36.81				62	0.3							

March 26 2019 Hour: 12:147.1 Lat: 12.50N Lon: 89.23W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.1 secs

OFFSHORE EL SALVADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ	8358		54	EP		1213	29.620.040								1.0
MORF BE	8358		54	IAMs_20		1244	5.43		1991	23.3					
MESJ BZ	8392		54	EP		1213	31.16-.100								1.0
MESJ BE	8392		54	ES		1223	12.090.060								1.0
MESJ BZ	8392		54	IAMs_20		1243	36.26		1715	18.5					

March 28 2019 Hour: 15:533.8 Lat: 24.58S Lon: 70.05W Depth: 48F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.0 secs

ANTOFAGASTA, CHILE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ	9388		45	EP		1518	1.00-.020								1.0
MORF BZ	9388		45	IAMB		1518	1.96		108	1.2					
MESJ BZ	9454		44	EP		1518	3.970.020								1.0
MESJ BZ	9454		44	IAMB		1518	5.32		123	1.0					

March 28 2019 Hour: 21:5110.0 Lat: 37.32N Lon: 8.59W Depth: 12F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.2 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		6	253	EP		2151	11.99-.260								1.0
MORF HE		6	253	ES		2151	13.960.080								1.0
MORF HE		6	253	IAML		2151	14.53		34	0.1					
MESJ HZ		66	29	EP		2151	20.930.200								1.0
MESJ HN		66	29	ES		2151	28.54-.020								1.0
MESJ HN		66	29	IAML		2151	30.01		1	0.1					

March 28 2019 Hour: 22:649.7 Lat: 50.50N Lon: 159.96E Depth: 9F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.1 secs

EAST OF KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV BZ10071		351	EP			2219	51.960.010								1.0
GGNV BZ10071		351	EPP			2223	27.21-.180								1.0
GGNV BN10071		351	ESKSac			2230	23.960.120								1.0
GGNV BE10071		351	IAMs_20			23	3	18.91	8986	24.2					
MESJ BZ10157		351	EP			2219	55.700.100								1.0
MESJ BZ10157		351	EPP			2223	33.820.250								0.9
MESJ BN10157		351	ESKSac			2230	28.27-.100								1.0
MESJ BE10157		351	ESS			2237	2.59-.150								1.0
MESJ BZ10157		351	IAMs_20			2311	10.89		9287	13.2					
MORF BZ10221		351	EP			2219	58.330.020								1.0
MORF BZ10221		351	EPP			2223	38.230.080								1.0
MORF BN10221		351	ESKSac			2230	31.69-.040								1.0
MORF BE10221		351	ESS			2237	11.00-.090								1.0
MORF BZ10221		351	IAMs_20			2312	8.99		11133	16.3					

March 29 2019 Hour: 2:4848.3 Lat: 38.41N Lon: 7.87W Depth: 4F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NE VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		70	206	EP		248	59.770.130								1.0
MESJ HN		70	206	ES		249	7.79-.150								1.0
MESJ HN		70	206	IAML		249	8.60		5	0.1					
MORF HE		141	210	ES		249	27.140.020								1.0
MORF HN		141	210	IAML		249	29.37		14	0.3					

March 29 2019 Hour: 7:34 1.1 Lat: 36.51N Lon: 8.00W Depth: 24F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	106	327	EP		734	17.25	-.190							1.0
MORF	HN	106	327	ES		734	29.36	-.020							1.0
MORF	HN	106	327	IAML		734	30.55			10	0.1				
MESJ	HZ	149	353	EP		734	22.910	.130							1.0
MESJ	HN	149	353	ES		734	38.700	.080							1.0
MESJ	HN	149	353	IAML		734	39.77			5	0.2				

March 30 2019 Hour: 0:9 54.9 Lat: 36.26N Lon: 10.70W Depth: 27F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	216	57	EP		010	24.82	-0.02							1.0
MORF	HE	216	57	ES		010	46.70	0.02							1.0
MORF	HN	216	57	IAML		010	47.52			8	0.3				

March 30 2019 Hour: 6:27 23.6 Lat: 9.68S Lon: 66.50E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

MID-INDIAN RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9355	310	EP		639	54.60	-.100							1.0
MESJ	BE	9355	310	ESKSac		650	17.010	.110							1.0
MESJ	BZ	9355	310	IAMs_20		718	36.09			2153	13.9				
MORF	BZ	9375	309	EP		639	55.49	-.150							1.0
MORF	BE	9375	309	ESKSac		650	18.230	.100							1.0
MORF	BE	9375	309	IAMs_20		713	16.59			2602	18.4				
GGNV	BZ	9461	310	EP		639	59.45	-.020							1.0
GGNV	BN	9461	310	ESKSac		650	23.060	.050							1.0
GGNV	BZ	9461	310	IAMs_20		721	44.17			2358	12.7				

March 30 2019 Hour: 8:26 10.9 Lat: 37.05N Lon: 5.30W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	273	290	EP		826	50.250	.040							1.0
MORF	HZ	299	276	EP		826	53.38	-.110							1.0
MORF	HE	299	276	ES		827	24.660	.060							1.0
MORF	HN	299	276	IAML		827	27.95			23	0.2				

March 30 2019 Hour: 8:28 26.4 Lat: 37.06N Lon: 5.29W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	273	289	EP		829	5.720	.000							1.0

March 30 2019 Hour: 10:46 18.1 Lat: 38.32N Lon: 22.31E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.1 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2667	278	EP		1051	32.850	.020							1.0
MESJ	BZ	2667	278	IAMB		1051	33.94			94	1.3				
MESJ	BN	2667	278	ES		1055	50.68	-.120							1.0
MORF	BZ	2716	277	EP		1051	36.940	.030							1.0
MORF	BZ	2716	277	IAMB		1051	41.06			136	1.6				
GGNV	BZ	2731	281	EP		1051	38.060	.060							1.0
GGNV	BZ	2731	281	IAMB		1051	43.91			111	0.8				
GGNV	BN	2731	281	ES		1055	59.970	.010							1.0

March 30 2019 Hour: 11:20 41.1 Lat: 5.67S Lon: 151.09E Depth: 57F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	15868	334	EP	KP	1140	6.94	-.040							1.0
GGNV	BE	15868	334	IAMS	20	1246	45.50		6571	31.7					
MESJ	BZ	15902	332	EP	KP	1140	7.610	.070							1.0
MESJ	BZ	15902	332	EPP		1143	17.630	.140							1.0
MESJ	BZ	15902	332	IAMS	20	1245	21.52		5163	23.2					
MORF	BZ	15972	332	EP	KP	1140	8.710	.010							1.0
MORF	BZ	15972	332	EPP		1143	21.18	-.180							1.0
MORF	BZ	15972	332	IAMS	20	1244	16.77		4686	19.1					

March 30 2019 Hour: 20:35 59.0 Lat: 36.50N Lon: 7.70W Depth: 33F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	123	317	EP		2036	16.85	-.230							1.0
MORF	HE	123	317	ES		2036	30.380	.100							1.0
MORF	HN	123	317	IAML		2036	31.21		7	0.3					
MESJ	HZ	156	343	EP		2036	21.140	.060							1.0
MESJ	HN	156	343	ES		2036	37.260	.060							1.0
MESJ	HN	156	343	IAML		2036	38.22		3	0.2					

March 30 2019 Hour: 21: 3 38.1 Lat: 36.54N Lon: 7.69W Depth: 24F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	315	EP		21 3	56.17	-.140							1.0
MESJ	HZ	152	342	EP		21 4	0.170	.030							1.0
MESJ	HE	152	342	ES		21 4	16.360	.120							1.0
MESJ	HN	152	342	IAML		21 4	17.72		4	0.2					

March 30 2019 Hour: 21:13 28.0 Lat: 36.51N Lon: 7.67W Depth: 29F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	124	315	EP		2113	46.12	-.180							1.0
MORF	HN	124	315	ES		2113	59.69	-.000							1.0
MORF	HE	124	315	IAML		2114	1.04		4	0.1					
MESJ	HZ	155	342	EP		2113	50.260	.120							1.0
MESJ	HN	155	342	ES		2114	6.400	.070							1.0
MESJ	HE	155	342	IAML		2114	9.23		2	0.1					

March 30 2019 Hour: 21:16 38.9 Lat: 36.53N Lon: 7.70W Depth: 33F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	316	EP		2116	56.54	-.170							1.0
MESJ	HZ	152	343	EP		2117	0.720	.110							1.0
MESJ	HN	152	343	ES		2117	16.520	.070							1.0
MESJ	HN	152	343	IAML		2117	18.30		1	0.1					

March 31 2019 Hour: 7: 4 4.8 Lat: 1.99S Lon: 80.81W Depth: 19F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

NEAR COAST OF ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8574	50	EP		715	56.800	.070							1.0
GGNV	BN	8574	50	ES		725	45.130	.030							1.0
GGNV	BZ	8574	50	IAMS	20	747	21.69		8532	14.9					
MORF	BZ	8582	51	EP		715	57.06	-.130							1.0
MORF	BN	8582	51	ES		725	46.110	.130							1.0
MORF	BZ	8582	51	IAMS	20	756	45.98		6182	17.2					

MESJ BZ 8632 51 EP 715 59.750.090 1.0
 MESJ BN 8632 51 ES 725 50.57-.210 0.9
 MESJ BZ 8632 51 IAMS_20 750 37.35 7276 30.0

**March 31 2019 Hour: 7:28 49.0 Lat: 1.95S Lon: 80.71W Depth: 10F Agency: IGL Distant
 Magnitudes: 5.8Mb IGL Rms: 0.0 secs**

NEAR COAST OF ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8571	51	EP		740	42.310	.020							1.0
MORF	BZ	8571	51	IAMB		740	45.76		215	2.3					
MESJ	BZ	8621	51	EP		740	44.75-	.020							1.0
MESJ	BZ	8621	51	IAMB		740	48.06		249	2.9					

**March 31 2019 Hour: 14:50 47.4 Lat: 36.18N Lon: 8.01W Depth: 22F Agency: IGL Regional
 Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	137	335	EP		1451	7.900	.020							1.0

**March 31 2019 Hour: 15:27 58.2 Lat: 9.96S Lon: 79.33W Depth: 27F Agency: IGL Distant
 Magnitudes: 5.7Mb IGL Rms: 0.0 secs**

OFF COAST OF NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9017	50	EP		1540	10.870	.030							1.0
MORF	BZ	9017	50	IAMB		1540	12.88		199	1.1					
MESJ	BZ	9073	49	EP		1540	13.42-	.030							1.0
MESJ	BZ	9073	49	IAMB		1540	15.64		32	0.9					

**March 31 2019 Hour: 18: 2 52.2 Lat: 35.82N Lon: 10.48W Depth: 30F Agency: IGL Regional
 Magnitudes: 2.3ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	232	44	EP		18 3	23.78-	.080							1.0
MORF	HN	232	44	ES		18 3	46.92-	.070							1.0
MORF	HE	232	44	IAML		18 3	48.00		16	0.2					
MESJ	HZ	301	41	EP		18 3	32.36-	.080							1.0
MESJ	HN	301	41	ES		18 4	2.070	.240							1.0
MESJ	HN	301	41	IAML		18 4	4.66		17	0.1					

**April 1 2019 Hour: 18: 5 37.9 Lat: 36.56N Lon: 7.68W Depth: 18F Agency: IGL Regional
 Magnitudes: 1.5ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	120	314	EP		18 5	56.35-	.140							1.0
MESJ	HZ	150	342	EP		18 6	0.340	.140							1.0
MESJ	HN	150	342	ES		18 6	16.510	.010							1.0
MESJ	HN	150	342	IAML		18 6	19.72		7	0.1					

**April 1 2019 Hour: 18:39 6.5 Lat: 18.18S Lon: 65.37E Depth: 10F Agency: IGL Distant
 Magnitudes: 5.8Ms IGL Rms: 0.1 secs**

MAURITIUS-REUNION REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9867	311	EP		1852	0.04-	.060							1.0
MESJ	BE	9867	311	ESKSac		19 2	28.900	.200							1.0
MESJ	BZ	9867	311	IAMS_20		1928	56.06		4052	24.2					
MORF	BZ	9878	310	EP		1852	0.46-	.150							1.0
MORF	BZ	9878	310	IAMS_20		1928	29.46		3817	22.1					
GGNV	BZ	9981	311	EP		1852	4.870	.020							1.0
GGNV	BE	9981	311	IAMS_20		1935	55.48		5195	26.3					

April 2 2019 Hour: 0:31 58.8 Lat: 36.90N Lon: 9.30W Depth: 29F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	73	52	EP		032	10.780	.040							1.0
MORF	HE	73	52	ES		032	19.46	-.020							1.0
MORF	HN	73	52	IAML		032	20.61			3	0.2				
MESJ	HZ	142	42	EP		032	19.21	-.010							1.0

April 2 2019 Hour: 11:25 7.9 Lat: 37.22N Lon: 9.13W Depth: 19F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs
NW VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	77	EP		1125	15.480	.110							1.0
MORF	HE	43	77	ES		1125	20.81	-.030							1.0
MORF	HN	43	77	IAML		1125	21.55			109	0.2				
MESJ	HZ	106	49	EP		1125	24.49	-.100							1.0
MESJ	HN	106	49	ES		1125	36.800	.020							1.0
MESJ	HN	106	49	IAML		1125	38.40			23	0.2				

April 2 2019 Hour: 18:26 25.8 Lat: 36.16N Lon: 8.56W Depth: 33F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	127	356	EP		1826	44.20	-.190							1.0
MORF	HE	127	356	ES		1826	57.95	-.010							1.0
MORF	HN	127	356	IAML		1826	58.96			14	0.1				
MESJ	HZ	189	9	EP		1826	52.140	.140							1.0
MESJ	HE	189	9	ES		1827	11.200	.070							1.0
MESJ	HN	189	9	IAML		1827	12.68			5	0.1				

April 2 2019 Hour: 21:35 33.2 Lat: 52.21N Lon: 178.02E Depth: 19F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs
RAT ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9913	6	EP		2148	27.01	-.120							1.0
GGNV	BZ	9913	6	IAMs_20		2241	2.96			16384	18.2				
MESJ	BZ10016	5	EP		2148	31.600	.100								1.0
MESJ	BN10016	5	ESKSac		2159	1.720	.110								1.0
MESJ	BZ10016	5	IAMs_20		2236	17.42				14273	17.6				
MORF	BZ10072	5	EP		2148	33.85	-.080								1.0
MORF	BN10072	5	ESKSac		2159	4.67	-.000								1.0
MORF	BZ10072	5	IAMs_20		2239	8.40				14017	16.8				

April 2 2019 Hour: 23:40 11.2 Lat: 37.02N Lon: 5.29W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	275	290	EP		2340	50.79	-.020							1.0
MORF	HZ	300	277	EP		2340	54.020	.020							1.0

April 3 2019 Hour: 0:43 17.3 Lat: 37.31N Lon: 8.52W Depth: 17F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.2 secs
SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	267	EP		043	20.41	-.240							1.0
MORF	HN	12	267	ES		043	23.240	.140							1.0
MORF	HE	12	267	IAML		043	23.90			24	0.1				
MESJ	HZ	65	24	EP		043	28.020	.210							1.0
MESJ	HN	65	24	ES		043	35.37	-.100							1.0
MESJ	HN	65	24	IAML		043	37.52			5	0.2				

April 3 2019 Hour: 13:13 29.9 Lat: 35.83N Lon: 8.76W Depth: 26F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	164	3	EP		1313	53.15	-.210							1.0
MORF	HN	164	3	ES		1314	10.580	.090							1.0
MORF	HN	164	3	IAML		1314	14.22			12	0.1				
MESJ	HZ	228	12	EP		1314	1.380	.070							1.0
MESJ	HN	228	12	ES		1314	24.310	.060							1.0
MESJ	HN	228	12	IAML		1314	26.37			5	0.3				

April 4 2019 Hour: 19:35 52.5 Lat: 36.85N Lon: 10.95W Depth: 25F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	210	75	EP		1936	21.77	-.030							1.0
MORF	HN	210	75	ES		1936	43.380	.180							1.0
MORF	HE	210	75	IAML		1936	45.99			5	0.1				
MESJ	HZ	266	65	EP		1936	28.44	-.190							1.0
MESJ	HE	266	65	ES		1936	55.040	.030							1.0
MESJ	HN	266	65	IAML		1936	55.76			1	0.1				

April 5 2019 Hour: 16:14 18.4 Lat: 55.93S Lon: 27.85W Depth: 58F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.0 secs

SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10473	15	EP			1627	30.360	.020							1.0
MORF	BN10473	15	ESKSac			1638	1.110	.070							1.0
MORF	BZ10473	15	IAMs_20			1659	1.96			14575	30.6				
MESJ	BZ10539	15	EP			1627	32.91	-.050							1.0
MESJ	BN10539	15	ESKSac			1638	4.09	-.040							1.0
MESJ	BZ10539	15	IAMs_20			17 0	2.91			12020	29.8				

April 6 2019 Hour: 5:54 14.2 Lat: 36.57N Lon: 7.95W Depth: 30F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	103	323	EP		554	29.68	-.150							1.0
MESJ	HZ	143	350	EP		554	34.930	.150							1.0
MESJ	HE	143	350	ES		554	49.800	.000							1.0
MESJ	HN	143	350	IAML		554	50.70			4	0.2				

April 6 2019 Hour: 19: 7 3.5 Lat: 35.97N Lon: 7.30W Depth: 31F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	223	339	EP		19 7	33.240	.020							1.0
MESJ	HN	223	339	ES		19 7	54.91	-.020							1.0
MESJ	HE	223	339	IAML		19 7	55.93			2	0.3				

April 7 2019 Hour: 9: 3 17.8 Lat: 36.78N Lon: 9.46W Depth: 25F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	92	51	EP		9 3	32.43	-.040							1.0
MORF	HE	92	51	ES		9 3	43.230	.080							1.0
MORF	HE	92	51	IAML		9 3	44.24			62	0.1				
MESJ	HZ	161	43	EP		9 3	40.88	-.100							1.0
MESJ	HN	161	43	ES		9 3	57.920	.050							1.0
MESJ	HN	161	43	IAML		9 4	0.42			8	0.1				

April 7 2019 Hour: 9:48 26.1 Lat: 36.73N Lon: 9.65W Depth: 23F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	109	54	EP		948	43.07	-.120							1.0
MORF	HN	109	54	ES		948	55.82	0.170							1.0
MORF	HN	109	54	IAML		948	56.27			7	0.2				
MESJ	HZ	176	45	EP		948	51.48	-.060							1.0

April 7 2019 Hour: 10:52 42.3 Lat: 33.76S Lon: 72.52W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

OFFSHORE VALPARAISO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10271		46	EP		11 5	52.91	0.090							1.0
MORF	BZ10271		46	IAMs_20		1147	49.82			4284	16.6				
MESJ	BZ10339		46	EP		11 5	55.53	-.040							1.0
MESJ	BN10339		46	ESKSac		1116	29.33	-.040							1.0
MESJ	BZ10339		46	IAMs_20		1148	35.41			3319	22.1				

April 7 2019 Hour: 20:17 18.2 Lat: 37.32N Lon: 8.54W Depth: 15F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.2 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	260	EP		2017	20.87	-.290							1.0
MORF	HE	10	260	ES		2017	23.40	0.080							1.0
MORF	HE	10	260	IAML		2017	23.77			91	0.1				
MESJ	HZ	64	26	EP		2017	28.92	0.290							1.0
MESJ	HN	64	26	ES		2017	36.16	-.080							1.0
MESJ	HN	64	26	IAML		2017	37.18			13	0.2				

April 8 2019 Hour: 4:12 39.3 Lat: 26.32N Lon: 129.58E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.0 secs

RYUKYU ISLANDS, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11669		327	EPP		431	6.36	0.030							1.0
MESJ	BZ11669		327	IAMs_20		517	34.60			1000	18.4				
MORF	BZ11740		327	EPP		431	11.03	-.030							1.0
MORF	BZ11740		327	IAMs_20		517	18.93			1143	17.6				

April 8 2019 Hour: 12:38 50.1 Lat: 37.28N Lon: 8.57W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	290	EP		1238	52.39	-.200							1.0
MORF	HE	8	290	ES		1238	54.54	0.120							1.0
MORF	HE	8	290	IAML		1238	54.99			82	0.2				
MESJ	HZ	69	26	EP		1239	1.36	0.090							1.0
MESJ	HE	69	26	ES		1239	9.43	-.010							1.0
MESJ	HN	69	26	IAML		1239	10.38			2	0.1				

April 8 2019 Hour: 12:58 22.8 Lat: 37.30N Lon: 7.73W Depth: 10F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

NW TAVIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	74	324	EP		1258	34.77	0.010							1.0
MESJ	HN	74	324	ES		1258	43.50	-.010							1.0
MESJ	HN	74	324	IAML		1258	44.99			2	0.1				

April 8 2019 Hour: 20:35 37.2 Lat: 37.56N Lon: 8.42W Depth: 4F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

SW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	35	216	EP		2035	42.86	-.070							1.0
MORF	HE	35	216	ES		2035	47.01	-.080							1.0
MORF	HE	35	216	IAML		2035	48.08			15	0.1				
MESJ	HZ	36	30	EP		2035	43.04	0.020							1.0
MESJ	HE	36	30	ES		2035	47.39	0.140							1.0
MESJ	HE	36	30	IAML		2035	47.89			4	0.3				

April 9 2019 Hour: 6:33 22.2 Lat: 38.12N Lon: 1.66W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	577	269	EP		634	38.95	0.090							1.0
MORF	HZ	623	264	EP		634	44.37	-.090							1.0

April 9 2019 Hour: 8:38 14.1 Lat: 36.70N Lon: 9.66W Depth: 19F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	53	EP		838	31.78	0.080							1.0
MORF	HN	112	53	ES		838	44.44	-.080							1.0
MORF	HN	112	53	IAML		838	45.31			18	0.1				
MESJ	HZ	180	45	EP		838	40.05	-.040							1.0
MESJ	HE	180	45	ES		838	59.07	0.040							1.0
MESJ	HE	180	45	IAML		838	59.84			2	0.1				

April 9 2019 Hour: 17:54 0.2 Lat: 58.61S Lon: 25.36W Depth: 48F Agency: IGL Distant
Magnitudes: 6.7Ms IGL Rms: 0.1 secs

SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10724	13		EP		18 7	23.60	0.070							1.0
MORF	BZ10724	13		EPP		1811	19.08	-.140							1.0
MORF	BZ10724	13		IAMs_20		1840	39.56			32655	27.7				
MESJ	BZ10788	14		EP		18 7	26.03	-.050							1.0
MESJ	BZ10788	14		EPP		1811	23.82	0.180							1.0
MESJ	BZ10788	14		IAMs_20		1841	14.36			35485	31.7				
GGNV	BZ10872	13		EP		18 7	29.32	-.070							1.0
GGNV	BZ10872	13		EPP		1811	29.43	0.020							1.0
GGNV	BZ10872	13		IAMs_20		1845	25.25			24544	16.7				

April 10 2019 Hour: 11:18 35.6 Lat: 36.55N Lon: 5.82W Depth: 36F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	257	305	EP		1119	10.28	0.090							1.0
MESJ	HN	257	305	ES		1119	35.43	-.040							1.0
MESJ	HN	257	305	IAML		1119	37.56			11	0.1				
MORF	HN	266	289	ES		1119	37.45	-.050							1.0
MORF	HN	266	289	IAML		1119	38.92			12	0.1				

April 11 2019 Hour: 7: 5 55.2 Lat: 36.46N Lon: 2.55W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	527	289	EP		7 7	5.82	0.030							1.0
MORF	HZ	552	282	EP		7 7	8.89	-.030							1.0

April 11 2019 Hour: 7:15 10.6 Lat: 37.28N Lon: 8.57W Depth: 11F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

SW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	290	EP		715	12.77	-.090							1.0
MORF	HN	8	290	ES		715	14.590	.090							1.0
MORF	HE	8	290	IAML		715	15.20			30	0.1				

April 11 2019 Hour: 8:18 20.6 Lat: 40.42N Lon: 143.30E Depth: 12F Agency: IGL Distant
Magnitudes: 6.6Ms IGL Rms: 0.1 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10818	339	EPP			835	49.980	.100							1.0
GGNV	BN10818	339	ESKSac			842	30.00	-.300							0.9
GGNV	BE10818	339	IAMs_20			914	46.95			18775	24.5				
MESJ	BZ10879	338	EP			831	55.910	.220							0.9
MESJ	BZ10879	338	EPP			835	54.09	-.060							1.0
MESJ	BN10879	338	ESKSac			842	33.210	.030							1.0
MESJ	BN10879	338	ESS			850	4.600	.100							1.0
MESJ	BZ10879	338	IAMs_20			920	14.33			13734	15.1				
MORF	BZ10948	338	EPdif			831	58.55	-.140							1.0
MORF	BZ10948	338	EPP			835	58.93	-.050							1.0
MORF	BN10948	338	ESKSac			842	36.510	.070							1.0
MORF	BE10948	338	IAMs_20			915	29.01			19087	18.5				

April 11 2019 Hour: 15:51 35.9 Lat: 37.37N Lon: 9.11W Depth: 20F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	41	100	EP		1551	43.02	-.070							1.0
MORF	HN	41	100	ES		1551	48.450	.070							1.0
MORF	HN	41	100	IAML		1551	49.08			28	0.1				

April 11 2019 Hour: 16:14 5.2 Lat: 36.74N Lon: 8.54W Depth: 10F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	63	351	EP		1614	15.33	-.270							1.0
MORF	HE	63	351	ES		1614	23.360	.190							1.0
MORF	HE	63	351	IAML		1614	24.77			27	0.2				
MESJ	HE	125	13	ES		1614	39.510	.080							1.0
MESJ	HN	125	13	IAML		1614	41.80			4	0.1				

April 11 2019 Hour: 17:26 17.3 Lat: 36.46N Lon: 9.18W Depth: 1F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	105	26	EP		1726	34.360	.110							1.0
MORF	HE	105	26	ES		1726	46.680	.090							1.0
MORF	HN	105	26	IAML		1726	48.62			16	0.2				
MESJ	HZ	175	29	EP		1726	44.23	-.240							1.0
MESJ	HN	175	29	ES		1727	4.310	.030							1.0
MESJ	HN	175	29	IAML		1727	7.06			3	0.2				

April 11 2019 Hour: 21:31 48.4 Lat: 6.51S Lon: 148.66E Depth: 22F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15852	329	EPKp \bar{d} f			2151	18.58	-.220							1.0
MESJ	BZ15852	329	EPP			2154	26.500	.060							1.0
MESJ	BZ15852	329	IAMs_20			2258	2.26			1255	19.2				
MORF	BZ15922	329	EPKp \bar{d} f			2151	19.91	-.050							1.0
MORF	BZ15922	329	EPP			2154	30.520	.210							1.0

MORF BZ15922 329 IAMs_20 2258 32.80 1270 21.2

April 12 2019 Hour: 9:14 45.1 Lat: 37.01N Lon: 5.29W Depth: 9F Agency: IGL Regional Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	275	290	EP		915	23.860	.030							1.0
MORF	HZ	301	277	EP		915	26.99-	.030							1.0

April 12 2019 Hour: 9:29 39.1 Lat: 37.05N Lon: 5.32W Depth: 8F Agency: IGL Regional Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	271	290	EP		930	17.530	.040							1.0
MORF	HN	298	276	ES		930	51.12-	.050							1.0
MORF	HN	298	276	IAML		930	52.11			3	0.2				

April 12 2019 Hour: 11:44 46.2 Lat: 38.63N Lon: 9.15W Depth: 12F Agency: IGL Regional Rms: 0.1 secs

W SEIXAL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	10	1	EP		1144	48.44-	.280							1.0
GGNV	HN	10	1	ES		1144	50.570	.040							1.0
GGNV	HE	10	1	IAML		1144	51.17			207	0.2				
MESJ	HZ	120	137	EP		1145	5.180	.140							1.0
MESJ	HE	120	137	ES		1145	18.860	.080							1.0
MESJ	HE	120	137	IAML		1145	21.09			6	0.3				
MORF	HN	153	163	ES		1145	26.640	.050							0.9
MORF	HN	153	163	IAML		1145	30.18			13	0.2				

April 12 2019 Hour: 11:40 49.7 Lat: 1.85S Lon: 122.55E Depth: 18F Agency: IGL Distant Rms: 0.1 secs

SULAWESI, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13630	315	EPKPdf			1159	43.710	.100							1.0
MESJ	BZ13630	315	EPP			12	1	19.94-	.100						1.0
MESJ	BN13630	315	ESS			1218	1.31-	.150							1.0
MESJ	BN13630	315	IAMs_20			1244	39.73			43040	39.9				
GGNV	BZ13658	316	EPP			12	1	21.830	.080						1.0
GGNV	BN13658	316	IAMs_20			1239	30.12			55194	36.4				
MORF	BZ13690	314	EPKPdf			1159	44.69-	.010							1.0
MORF	BZ13690	314	EPP			12	1	23.860	.070						1.0
MORF	BE13690	314	IAMs_20			1256	21.46			31739	24.6				

April 12 2019 Hour: 12:23 3.9 Lat: 15.40S Lon: 172.72W Depth: 10F Agency: IGL Distant Rms: 0.1 secs

SAMOA ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17115	29	EPKPdf			1242	54.870	.190							1.0
MESJ	BZ17115	29	EPKPab			1243	16.11-	.060							1.0
MORF	BZ17140	30	EPKPdf			1242	55.110	.060							1.0
MORF	BZ17140	30	EPKPab			1243	17.00-	.190							1.0

April 13 2019 Hour: 4: 6 41.4 Lat: 36.60N Lon: 9.71W Depth: 18F Agency: IGL Regional Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	122	50	EP		4	7	0.36-	.030						1.0
MORF	HN	122	50	ES		4	7	14.330	.110						1.0
MORF	HE	122	50	IAML		4	7	16.04			9	0.2			
MESJ	HZ	191	43	EP		4	7	8.66-	.200						1.0
MESJ	HN	191	43	ES		4	7	28.970	.100						1.0
MESJ	HN	191	43	IAML		4	7	29.99			1	0.2			

April 13 2019 Hour: 6:37 47.9 Lat: 37.11N Lon: 5.55W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	249	290	EP		638	24.490	.100							1.0
MORF	HZ	276	276	EP		638	27.54	-.170							1.0
MORF	HN	276	276	ES		638	56.820	.080							1.0
MORF	HN	276	276	IAML		639	0.69			7	0.3				

April 13 2019 Hour: 7:10 42.6 Lat: 37.08N Lon: 5.55W Depth: 3F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	251	290	EP		711	18.980	.010							1.0

April 13 2019 Hour: 11:32 5.0 Lat: 37.25N Lon: 14.33W Depth: 9F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	503	88	EP		1133	11.920	.050							1.0
MORF	HE	503	88	ES		1134	0.49	-.170							1.0
MORF	HN	503	88	IAML		1134	4.40			20	0.5				
MESJ	HZ	544	81	EP		1133	16.63	-.100							1.0
MESJ	HE	544	81	ES		1134	9.290	.220							1.0
MESJ	HN	544	81	IAML		1134	13.01			12	0.3				

April 14 2019 Hour: 1:59 43.8 Lat: 36.53N Lon: 11.21W Depth: 24F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	244	69	EP		2 0	17.26	-.080							1.0
MORF	HN	244	69	ES		2 0	41.900	.110							1.0
MORF	HN	244	69	IAML		2 0	44.38			17	0.2				
MESJ	HZ	303	60	EP		2 0	24.58	-.070							1.0
MESJ	HN	303	60	ES		2 0	54.480	.040							1.0
MESJ	HN	303	60	IAML		2 1	0.95			5	0.1				

April 14 2019 Hour: 2:49 22.9 Lat: 36.26N Lon: 9.76W Depth: 32F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	153	40	EP		249	44.650	.010							1.0
MORF	HN	153	40	ES		250	0.41	-.090							1.0
MORF	HN	153	40	IAML		250	2.06			3	0.1				
MESJ	HZ	223	37	EP		249	53.30	-.020							1.0
MESJ	HN	223	37	ES		250	15.620	.100							1.0
MESJ	HN	223	37	IAML		250	16.53			2	0.2				

April 14 2019 Hour: 23:50 48.4 Lat: 37.27N Lon: 8.63W Depth: 9F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs
SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	4	332	EP		2350	50.07	-.060							1.0
MORF	HN	4	332	ES		2350	51.430	.060							1.0
MORF	HN	4	332	IAML		2350	51.87			14	0.2				

April 15 2019 Hour: 5:15 48.4 Lat: 33.74N Lon: 38.23W Depth: 10F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs
NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2739	72	EP		521	9.06	-.010							1.0
MESJ	BZ	2739	72	IAMB		521	10.63			31	1.7				

April 15 2019 Hour: 11:52 5.0 Lat: 37.03N Lon: 8.46W Depth: 17F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	35	331	EP		1152	11.260	.040							1.0
MORF	HE	35	331	ES		1152	15.780	.050							1.0
MORF	HE	35	331	IAML		1152	16.57		67	0.2					
MESJ	HZ	92	13	EP		1152	19.67	-.060							1.0
MESJ	HN	92	13	ES		1152	30.43	-.030							1.0
MESJ	HN	92	13	IAML		1152	32.36		29	0.2					

April 15 2019 Hour: 11:58 9.4 Lat: 36.52N Lon: 7.58W Depth: 32F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	313	EP		1158	28.13	-.140							1.0
MORF	HN	129	313	ES		1158	42.00	-.020							1.0
MORF	HN	129	313	IAML		1158	43.21		10	0.1					
MESJ	HZ	157	339	EP		1158	31.830	.140							1.0
MESJ	HN	157	339	ES		1158	47.960	.020							1.0
MESJ	HN	157	339	IAML		1158	48.38		2	0.1					

April 16 2019 Hour: 3:19 30.6 Lat: 8.10S Lon: 71.67W Depth:584F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

ACRE, BRAZIL Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8250	48	EP		330	8.470	.080							1.0
MORF	BZ	8250	48	IAMB		330	9.84		63	0.8					
GGNV	BZ	8273	46	EP		330	9.49	-.000							1.0
GGNV	BZ	8273	46	IAMB		330	10.13		37	0.6					
MESJ	BZ	8308	47	EP		330	11.22	-.080							1.0
MESJ	BZ	8308	47	IAMB		330	12.48		28	1.1					

April 16 2019 Hour: 12:59 47.9 Lat: 35.85N Lon: 1.13W Depth: 4F Agency: IGL Regional
Magnitudes: 0.0ML IGL Rms: 0.0 secs

NORTHERN ALGERIA Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	670	291	EP		13	1	15.400	.010						1.0

April 16 2019 Hour: 17:1 0.6 Lat: 28.26S Lon: 63.14W Depth:598F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs

SANTIAGO DEL ESTERO, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9285	41	EP		1712	26.450	.010							1.0
MESJ	BZ	9285	41	IAMB		1712	27.38		26	0.7					

April 17 2019 Hour: 3:10 7.1 Lat: 37.29N Lon: 7.97W Depth: 3F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NE LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	61	272	EP		310	16.78	-.150							1.0
MORF	HN	61	272	ES		310	24.05	-.020							1.0
MORF	HN	61	272	IAML		310	25.92		8	0.2					
MESJ	HZ	65	340	EP		310	17.700	.080							1.0
MESJ	HN	65	340	ES		310	25.350	.080							1.0
MESJ	HN	65	340	IAML		310	29.45		3	0.2					

April 17 2019 Hour: 3:11 49.0 Lat: 37.28N Lon: 7.98W Depth: 3F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NE LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	60	273	EP		311	58.62	-.000							1.0
MORF	HN	60	273	ES		312	5.790	.120							1.0
MORF	HN	60	273	IAML		312	8.87			12	0.2				
MESJ	HZ	66	341	EP		311	59.700	.130							1.0
MESJ	HE	66	341	ES		312	7.06	-.250							1.0
MESJ	HE	66	341	IAML		312	8.66			3	0.2				

April 17 2019 Hour: 13:53 14.5 Lat: 36.59N Lon: 7.20W Depth: 17F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	152	302	EP		1353	37.190	.030							1.0
MORF	HE	152	302	ES		1353	53.61	-.100							1.0
MORF	HN	152	302	IAML		1353	54.88			17	0.2				
MESJ	HZ	166	327	EP		1353	38.83	-.020							1.0
MESJ	HN	166	327	ES		1353	56.730	.090							1.0
MESJ	HN	166	327	IAML		1353	58.54			8	0.1				

April 18 2019 Hour: 5:1 6.9 Lat: 23.99N Lon: 121.69E Depth: 20F Agency: IGL Distant
Magnitudes: 6.9Ms IGL Rms: 0.1 secs

TAIWAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11402	323	EPdif			515	1.430	.110							1.0
GGNV	BZ11402	323	EPP			519	14.260	.020							1.0
GGNV	BZ11402	323	IAMs_20			6 7	56.15			32204	16.1				
MESJ	BZ11412	322	EPdif			515	1.790	.040							1.0
MESJ	BZ11412	322	EPP			519	14.84	-.110							1.0
MESJ	BE11412	322	ESS			533	54.500	.170							1.0
MESJ	BZ11412	322	IAMs_20			6 8	14.89			43580	18.4				
MORF	BZ11481	321	EPdif			515	4.40	-.150							1.0
MORF	BZ11481	321	EPP			519	19.57	-.070							1.0
MORF	BZ11481	321	IAMs_20			6 8	43.63			28374	18.3				

April 18 2019 Hour: 14:46 2.1 Lat: 51.06S Lon: 139.49E Depth: 10F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.1 secs

WESTERN INDIAN-ANTARTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ17061	251	EPKPdf			15 5	52.57	-.090							1.0
MORF	BZ17061	251	IAMs_20			1559	48.66			8935	46.9				
MESJ	BZ17071	252	EPKPdf			15 5	52.870	.140							1.0
MESJ	BN17071	252	ESS			1529	25.50	-.140							1.0
MESJ	BZ17071	252	IAMs_20			16 0	22.17			14058	48.7				
GGNV	BZ17196	253	EPKPdf			15 5	54.370	.090							1.0
GGNV	BZ17196	253	IAMs_20			16 0	23.54			13374	44.2				

April 18 2019 Hour: 17:41 10.1 Lat: 36.65N Lon: 9.73W Depth: 32F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	120	53	EP		1741	27.900	.040							1.0
MORF	HE	120	53	ES		1741	40.71	-.080							1.0
MORF	HN	120	53	IAML		1741	42.88			158	0.2				
MESJ	HZ	188	45	EP		1741	36.20	-.040							1.0
MESJ	HE	188	45	ES		1741	55.390	.090							1.0
MESJ	HN	188	45	IAML		1741	57.65			29	0.1				

April 18 2019 Hour: 17:59 7.8 Lat: 31.35N Lon: 7.44W Depth: 31F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	670	351	EP		18	0	31.95	-.110						1.0
MESJ	HZ	724	355	EP		18	0	38.460	.120						1.0

April 18 2019 Hour: 21:10 21.3 Lat: 36.32N Lon: 8.12W Depth: 31F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	119	337	EP		2110		38.12	-.070						1.0
MORF	HN	119	337	ES		2110		50.570	.080						1.0
MORF	HN	119	337	IAML		2110		53.55			48	0.2			
MESJ	HZ	169	357	EP		2110		44.32	-.020						1.0

April 19 2019 Hour: 1:20 26.1 Lat: 36.51N Lon: 7.69W Depth: 22F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	123	316	EP		120		44.64	-.110						1.0
MESJ	HZ	155	342	EP		120		48.680	.010						1.0
MESJ	HN	155	342	ES		121		5.280	.110						1.0
MESJ	HN	155	342	IAML		121		7.48			3	0.1			

April 20 2019 Hour: 1:4 10.0 Lat: 5.82S Lon: 154.41E Depth: 398F Agency: IGL Distant
Rms: 0.0 secs

BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16077	336		EPKP		122		58.910	.020						1.0

April 20 2019 Hour: 4:56 54.3 Lat: 36.88N Lon: 9.76W Depth: 12F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	109	64	EP		457		11.590	.070						1.0
MORF	HN	109	64	ES		457		24.02	-.070						1.0
MORF	HN	109	64	IAML		457		25.82			6	0.2			

April 21 2019 Hour: 16:31 42.1 Lat: 24.34S Lon: 67.03W Depth: 164F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs

SALTA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9223	43	EP		1643		48.38	-.010						1.0
MESJ	BZ	9223	43	IAMB		1643		53.35			14	1.0			

April 21 2019 Hour: 20:41 2.2 Lat: 36.73N Lon: 9.63W Depth: 21F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	108	53	EP		2041		19.02	-.020						1.0
MORF	HN	108	53	ES		2041		31.25	-.110						1.0
MORF	HN	108	53	IAML		2041		32.42			6	0.1			
MESJ	HZ	175	45	EP		2041		27.36	-.050						1.0
MESJ	HN	175	45	ES		2041		46.040	.190						1.0
MESJ	HE	175	45	IAML		2041		47.83			1	0.1			

April 21 2019 Hour: 21:48 2.1 Lat: 36.84N Lon: 9.63W Depth: 19F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	101	59	EP		2148	18.190	.080							1.0
MORF	HN	101	59	ES		2148	29.71	-.120							1.0
MORF	HN	101	59	IAML		2148	30.69			10	0.3				
MESJ	HZ	167	48	EP		2148	26.32	-.120							1.0
MESJ	HN	167	48	ES		2148	44.400	.170							1.0
MESJ	HN	167	48	IAML		2148	46.93			2	0.2				

April 21 2019 Hour: 22: 2 13.3 Lat: 37.69N Lon: 9.44W Depth: 30F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	82	121	EP		22 2	26.320	.010							1.0
MORF	HN	82	121	ES		22 2	35.73	-.060							1.0
MORF	HE	82	121	IAML		22 2	36.73			10	0.1				
MESJ	HZ	109	81	EP		22 2	29.750	.120							1.0
MESJ	HE	109	81	ES		22 2	41.48	-.070							1.0
MESJ	HN	109	81	IAML		22 2	42.84			3	0.1				

April 22 2019 Hour: 0: 7 39.9 Lat: 37.35N Lon: 8.79W Depth: 1 Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NE ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	113	EP		0 7	42.050	.030							1.0
MORF	HE	13	113	ES		0 7	43.670	.070							1.0
MORF	HN	13	113	IAML		0 7	44.49			60	0.1				
MESJ	HZ	74	43	EP		0 7	51.66	-.160							1.0
MESJ	HE	74	43	ES		0 8	0.600	.060							1.0
MESJ	HE	74	43	IAML		0 8	2.38			2	0.2				

April 22 2019 Hour: 0:58 35.2 Lat: 38.13N Lon: 9.05W Depth: 13F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

NW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	80	114	EP		058	47.75	-.190							1.0
MESJ	HE	80	114	ES		058	57.310	.060							1.0
MESJ	HN	80	114	IAML		059	0.08			23	0.1				
MORF	HZ	98	159	EP		058	50.790	.050							1.0
MORF	HN	98	159	ES		059	2.170	.070							1.0
MORF	HE	98	159	IAML		059	4.36			34	0.2				

April 22 2019 Hour: 8:31 20.6 Lat: 37.31N Lon: 8.63W Depth: 11F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	2	253	EP		831	22.37	-.130							1.0
MORF	HN	2	253	ES		831	24.030	.140							1.0
MORF	HN	2	253	IAML		831	24.62			165	0.2				
MESJ	HZ	69	32	EP		831	31.930	.130							1.0
MESJ	HN	69	32	ES		831	39.83	-.140							1.0
MESJ	HN	69	32	IAML		831	42.85			4	0.2				

April 22 2019 Hour: 9:11 11.4 Lat: 14.92N Lon: 120.50E Depth: 20F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.0 secs

LUZON, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12110	319	EPP			930	5.64	0.01							1.0
MESJ	BN12110	319	IAMs_20			1010	19.20			9445	15.9				
GGNV	BZ12115	320	EPP			930	5.95	0.03							1.0
GGNV	BE12115	320	IAMs_20			1011	42.17			23756	30.4				

MORF BZ12177 319 EPP 930 9.98-0.04 1.0
MORF BE12177 319 IAMS_20 1012 39.90 16744 20.2

April 22 2019 Hour: 14:16 26.0 Lat: 44.34N Lon: 8.85W Depth: 40F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	724	176	EP		1417	57.180	.050							1.0
MESJ	HE	724	176	ES		1419	3.49-	.160							1.0
MESJ	HN	724	176	IAML		1419	7.31		6	0.6					
MORF	HZ	782	179	EP		1418	4.100	.160							1.0
MORF	HE	782	179	ES		1419	15.39-	.040							1.0
MORF	HN	782	179	IAML		1419	22.33		11	0.2					

April 22 2019 Hour: 17:45 19.0 Lat: 40.64N Lon: 143.78E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.0 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10871	338	EPP			18 2	52.40-	.050							1.0
MESJ	BZ10871	338	IAMS_20			1845	29.21		2083	32.8					

April 22 2019 Hour: 20:15 26.5 Lat: 16.38N Lon: 98.38W Depth: 22F Agency: IGL Distant
Magnitudes: 5.0Ms IGL Rms: 0.1 secs

OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8909	54	EP		2027	34.67-	.070							1.0
MORF	BZ	8909	54	IAMS_20		2058	11.13		918	27.9					
MESJ	BZ	8933	53	EP		2027	35.80-	.040							1.0
MESJ	BN	8933	53	ES		2037	40.810	.120							1.0
MESJ	BZ	8933	53	IAMS_20		2058	47.57		574	18.0					

April 22 2019 Hour: 20:44 51.9 Lat: 37.17N Lon: 8.59W Depth: 8F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	340	EP		2044	54.890	.030							1.0
MORF	HE	16	340	ES		2044	56.95-	.030							1.0
MORF	HE	16	340	IAML		2044	57.61		10	0.1					

April 23 2019 Hour: 5:37 51.6 Lat: 11.85N Lon: 125.19E Depth: 54F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.0 secs

SAMAR, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12698	321	EPKp \bar{d} f			556	24.56-	.020							1.0
MESJ	BZ12698	321	EPP			557	19.630	.070							1.0
MESJ	BZ12698	321	IAMS_20			638	57.24		7305	30.6					
GGNV	BZ12699	322	EPP			557	19.55-	.050							1.0
GGNV	BE12699	322	IAMS_20			640	25.85		11903	20.6					
MORF	BZ12765	321	EPKp \bar{d} f			556	25.79-	.000							1.0
MORF	BZ12765	321	EPP			557	23.880	.000							1.0
MORF	BE12765	321	IAMS_20			641	23.27		11155	36.8					

April 23 2019 Hour: 20:15 50.6 Lat: 28.43N Lon: 94.60E Depth: 14F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.2 secs

ARUNACHAL PRADESH, INDIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9151	309	EP		2028	11.77-	.000							1.0
MESJ	BZ	9151	309	EPP		2031	19.930	.150							1.0
MESJ	BN	9151	309	ES		2038	27.36-	.230							1.0
MESJ	BZ	9151	309	IAMS_20		2111	6.17		5390	12.9					
GGNV	BZ	9172	310	EP		2028	12.780	.050							1.0
GGNV	BZ	9172	310	EPP		2031	21.550	.220							1.0
GGNV	BN	9172	310	ES		2038	29.19-	.290							1.0
GGNV	BN	9172	310	IAMS_20		2115	43.35		6952	24.4					

MORF BZ 9214 309 EP	2028 14.70-.080	1.0
MORF BZ 9214 309 EPP	2031 24.620.150	1.0
MORF BN 9214 309 ES	2038 33.480.020	1.0
MORF BZ 9214 309 IAMS_20	21 8 44.59	7018 22.3

April 24 2019 Hour: 4:17 35.6 Lat: 36.69N Lon: 2.66W Depth: 1 Agency: IGL Regional Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT	
MESJ HZ 510 286 EP 418 43.99-.000	1.0

April 24 2019 Hour: 18:57 31.5 Lat: 21.51S Lon: 68.52W Depth:150F Agency: IGL Distant Magnitudes: 5.1Mb IGL Rms: 0.0 secs

ANTOFAGASTA, CHILE Net: NEIC

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT	
MESJ BZ 9102 44 EP 19 9 33.750.010	1.0
MESJ BZ 9102 44 IAMB 19 9 38.03	35 0.9

April 25 2019 Hour: 1:36 5.0 Lat: 34.94N Lon: 11.91W Depth: 27F Agency: IGL Regional Magnitudes: 2.1ML IGL Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT	
MORF HZ 393 47 EP 136 57.070.120	1.0
MORF HE 393 47 ES 137 34.80-.050	1.0
MORF HN 393 47 IAML 137 35.92	8 0.3
MESJ HE 462 45 ES 137 49.00-.090	1.0
MESJ HE 462 45 IAML 137 52.11	2 0.4

April 26 2019 Hour: 6:22 32.8 Lat: 25.91S Lon: 71.13W Depth: 17F Agency: IGL Distant Magnitudes: 6.1Mb IGL Rms: 0.1 secs

OFFSHORE ANTOFAGASTA, CHILE Net: NEIC

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT	
MORF BZ 9568 45 EP 635 12.41-.020	1.0
MORF BZ 9568 45 IAMB 635 13.56	213 1.8
GGNV BZ 9628 44 EP 635 15.090.130	1.0
GGNV BZ 9628 44 IAMB 635 17.69	267 1.4
MESJ BZ 9634 45 EP 635 15.19-.110	1.0
MESJ BZ 9634 45 IAMB 635 17.17	199 1.6

April 26 2019 Hour: 16:13 27.7 Lat: 37.31N Lon: 8.58W Depth: 14F Agency: IGL Regional Magnitudes: 0.7ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT	
MORF HZ 6 264 EP 1613 29.99-.220	1.0
MORF HE 6 264 ES 1613 32.140.070	1.0
MORF HE 6 264 IAML 1613 32.89	32 0.1
MESJ HZ 67 28 EP 1613 38.640.160	1.0
MESJ HE 67 28 ES 1613 46.370.000	1.0
MESJ HE 67 28 IAML 1613 47.28	3 0.1

April 26 2019 Hour: 18:36 2.9 Lat: 36.40N Lon: 7.82W Depth: 18F Agency: IGL Regional Magnitudes: 2.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT	
MORF HZ 125 324 EP 1836 22.00-.190	1.0
MESJ HZ 164 348 EP 1836 27.180.200	1.0
MESJ HE 164 348 ES 1836 44.540.010	1.0
MESJ HN 164 348 IAML 1836 47.08	15 0.2

April 27 2019 Hour: 6:52 53.5 Lat: 37.32N Lon: 8.60W Depth: 13F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	250	EP		652	55.61	-.200							1.0
MORF	HN	5	250	ES		652	57.56	0.060							1.0
MORF	HN	5	250	IAML		652	58.23			189	0.2				
MESJ	HZ	67	30	EP		653	4.47	0.190							1.0
MESJ	HE	67	30	ES		653	12.11	-.040							1.0
MESJ	HN	67	30	IAML		653	15.31			5	0.3				

April 27 2019 Hour: 9:41 27.1 Lat: 36.83N Lon: 10.37W Depth: 19F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	162	70	EP		941	50.91	0.090							1.0
MORF	HE	162	70	ES		942	8.07	-.070							1.0
MORF	HE	162	70	IAML		942	10.74			27	0.2				
MESJ	HZ	221	59	EP		941	58.18	0.000							1.0
MESJ	HN	221	59	ES		942	20.84	-.030							1.0
MESJ	HN	221	59	IAML		942	24.43			6	0.3				

April 27 2019 Hour: 15:45 26.5 Lat: 36.81N Lon: 10.91W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	208	74	EP		1545	54.46	0.070							1.0
MORF	HN	208	74	ES		1546	14.72	-.040							1.0
MORF	HE	208	74	IAML		1546	17.71			12	0.2				
MESJ	HZ	264	64	EP		1546	1.20	-.140							1.0
MESJ	HN	264	64	ES		1546	26.90	0.110							1.0
MESJ	HN	264	64	IAML		1546	29.13			3	0.1				

April 28 2019 Hour: 2: 7 26.2 Lat: 36.03N Lon: 10.27W Depth: 25F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	202	45	EP		2 7	54.51	0.050							1.0
MORF	HN	202	45	ES		2 8	15.10	-.020							1.0
MORF	HN	202	45	IAML		2 8	17.32			14	0.1				
MESJ	HZ	271	42	EP		2 8	3.04	0.020							1.0
MESJ	HN	271	42	ES		2 8	29.87	-.060							1.0
MESJ	HN	271	42	IAML		2 8	32.75			6	0.3				

April 28 2019 Hour: 16:30 41.7 Lat: 14.61S Lon: 167.30E Depth: 151F Agency: IGL Distant
Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17421	351	EPKP			1650	48.29	0.100							1.0
MORF	BZ17486	352	EPKP			1650	50.69	-.100							1.0

April 28 2019 Hour: 17: 2 39.7 Lat: 35.94N Lon: 10.31W Depth: 23F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	212	44	EP		17 3	9.67	0.040							1.0
MORF	HE	212	44	ES		17 3	31.53	0.080							1.0
MORF	HE	212	44	IAML		17 3	34.08			30	0.2				
MESJ	HZ	281	41	EP		17 3	18.17	-.050							1.0
MESJ	HN	281	41	ES		17 3	46.25	-.070							1.0
MESJ	HN	281	41	IAML		17 3	49.47			6	0.1				

April 28 2019 Hour: 20:48 5.5 Lat: 36.61N Lon: 7.95W Depth: 26F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	99	321	EP		2048	20.88	-.080							1.0
MESJ	HN	139	350	ES		2048	40.690	.080							1.0
MESJ	HN	139	350	IAML		2048	41.62			2	0.1				

April 29 2019 Hour: 0:41 16.0 Lat: 36.62N Lon: 9.81W Depth: 11F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	128	53	ES		041	51.000	.110							1.0
MORF	HN	128	53	IAML		041	52.53			8	0.2				
MESJ	HZ	196	46	EP		041	44.48	-.170							1.0
MESJ	HN	196	46	ES		042	5.600	.050							1.0
MESJ	HE	196	46	IAML		042	7.07			1	0.2				

April 29 2019 Hour: 2:48 49.0 Lat: 43.07N Lon: 29.20W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1753	99	EP		252	31.140	.030							1.0
GGNV	BZ	1753	99	IAMB		252	33.61			485	1.5				
MORF	BZ	1857	103	EP		252	43.420	.190							1.0
MORF	BZ	1857	103	IAMB		252	50.08			155	1.0				
MESJ	BZ	1866	101	EP		252	44.15	-.030							1.0
MESJ	BZ	1866	101	IAMB		252	51.71			318	1.5				
MESJ	BE	1866	101	ES		255	51.55	-.190							1.0

April 29 2019 Hour: 3:47 33.2 Lat: 37.29N Lon: 7.96W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NW S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	61	272	EP		347	43.23	-.020							1.0
MORF	HN	61	272	ES		347	50.580	.020							1.0
MORF	HN	61	272	IAML		347	51.65			7	0.3				
MESJ	HZ	65	339	EP		347	43.920	.120							1.0
MESJ	HE	65	339	ES		347	51.39	-.120							1.0
MESJ	HE	65	339	IAML		347	56.38			3	0.1				

April 29 2019 Hour: 4:43 13.8 Lat: 35.22N Lon: 27.79E Depth: 10F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.0 secs

DODECANESE ISLANDS, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3219	286	EP		449	13.310	.000							1.0
MESJ	BZ	3219	286	IAMB		449	14.58			11	0.9				

April 29 2019 Hour: 5:1 5.2 Lat: 38.69N Lon: 2.80W Depth: 9F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	483	260	EP		5 2	9.650	.030							1.0
MESJ	HN	483	260	ES		5 2	56.56	-.070							1.0
MESJ	HN	483	260	IAML		5 2	59.30			2	0.2				
MORF	HZ	536	255	EP		5 2	16.110	.040							1.0

April 29 2019 Hour: 9: 6 17.2 Lat: 36.05N Lon: 10.29W Depth: 15F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	202	46	EP		9 6	46.400	.070							1.0
MORF	HN	202	46	ES		9 7	7.42	-.150							1.0
MORF	HE	202	46	IAML		9 7	9.51		22	0.1					
MESJ	HZ	271	42	EP		9 6	54.910	.040							1.0
MESJ	HN	271	42	ES		9 7	22.400	.050							1.0
MESJ	HE	271	42	IAML		9 7	24.29		4	0.2					

April 29 2019 Hour: 13:22 48.9 Lat: 44.88N Lon: 28.12W Depth: 10F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	1832	111	EP		1326	40.390	.100							1.0
MORF	BZ	1832	111	IAMB		1326	56.59		180	1.8					
MESJ	BZ	1833	108	EP		1326	40.15	-.140							1.0
MESJ	BZ	1833	108	IAMB		1326	52.38		55	1.1					
MESJ	BN	1833	108	ES		1329	44.470	.040							1.0

April 29 2019 Hour: 14:19 52.6 Lat: 10.88N Lon: 57.24E Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

CARLSBERG RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7130	307	EP		1430	26.77	-.020							1.0
MESJ	BN	7130	307	ES		1439	4.330	.100							1.0
MESJ	BN	7130	307	IAMS_20		1448	6.21		21147	61.5					
MORF	BZ	7161	306	EP		1430	28.57	-.140							1.0
MORF	BN	7161	306	ES		1439	8.030	.190							1.0
MORF	BE	7161	306	IAMS_20		1455	34.94		6195	21.8					
GGNV	BZ	7221	308	EP		1430	32.14	-.010							1.0
GGNV	BN	7221	308	ES		1439	14.23	-.120							1.0
GGNV	BN	7221	308	IAMS_20		1454	12.57		10970	24.3					

April 29 2019 Hour: 16:35 9.1 Lat: 28.15S Lon: 67.39W Depth:130F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

CATAMARCA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9554	43	EP		1647	34.370	.030							1.0
MESJ	BZ	9554	43	IAMB		1647	35.92		37	1.1					

April 30 2019 Hour: 8:46 28.7 Lat: 36.83N Lon: 11.40W Depth: 29F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	250	77	EP		847	2.52	-.100							1.0
MORF	HE	250	77	ES		847	27.29	-.120							1.0
MORF	HN	250	77	IAML		847	29.23		14	0.5					
MESJ	HZ	303	67	EP		847	9.350	.140							1.0
MESJ	HN	303	67	ES		847	38.890	.080							1.0
MESJ	HN	303	67	IAML		847	40.68		3	0.2					

April 30 2019 Hour: 14:59 40.7 Lat: 36.84N Lon: 8.00W Depth: 29F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	78	312	EP		1459	53.23	-.050							1.0
MORF	HN	78	312	ES		15 0	2.550	.100							1.0
MORF	HE	78	312	IAML		15 0	4.40		5	0.2					
MESJ	HE	113	350	ES		15 0	9.86	-.050							1.0
MESJ	HE	113	350	IAML		15 0	10.87		1	0.1					

April 30 2019 Hour: 20:52 22.2 Lat: 15.33N Lon: 46.42W Depth: 10F Agency: IGL Distant
 Magnitudes: 5.4Mb IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4445	50	EP		2059	56.74	0.060							1.0
MORF	BZ	4445	50	IAmb		21 0	2.18			229	2.2				
MORF	BE	4445	50	ES		21 6	2.78	-.070							1.0
GGNV	BZ	4469	47	EP		2059	58.51	0.130							1.0
GGNV	BZ	4469	47	IAmb		2059	59.55			128	1.2				
MESJ	BZ	4503	49	EP		21 0	0.99	0.010							1.0
MESJ	BZ	4503	49	IAmb		21 0	3.83			123	2.0				
MESJ	BE	4503	49	ES		21 6	10.48	-.130							1.0