

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

November to December

2020

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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

November 1 2020 Hour: 2:52 1.2 Lat: 37.57N Lon: 6.72W Depth: 0 Agency: IGL Regional
Magnitudes: 1.5ML 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	136	283	EP		252	22.93	-.120							1.0
MESJ	HE	136	283	ES		252	39.130	.120							1.0
MESJ	HN	136	283	IAML		252	41.85			7	0.2				

November 1 2020 Hour: 2:55 26.8 Lat: 37.00N Lon: 4.10W Depth: 65F Agency: IGL Regional
Magnitudes: 1.6ML 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	376	286	EP		256	15.72	-.130							1.0
MESJ	HN	376	286	ES		256	51.800	.130							1.0
MESJ	HN	376	286	IAML		256	54.02			2	0.2				

November 1 2020 Hour: 3:42 4.5 Lat: 37.35N Lon: 4.04W Depth: 27F 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	373	280	EP		342	53.74	-.120							1.0
MORF	HE	409	271	ES		343	37.670	.120							1.0
MORF	HN	409	271	IAML		343	40.06			5	0.3				

November 1 2020 Hour: 3:43 20.4 Lat: 7.06S Lon: 129.25E Depth:181FAgency: IGL Distant
Rms: 0.0 secs

KEPULAUAN BABAR, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14562	315	EPK	Pdf		4	2	9.710	.020						1.0
MESJ	BZ14562	315	EPX			4	5	16.11							
GGNV	BZ14587	316	EPX			4	5	16.92							
MORF	BZ14624	315	EPK	Pdf		4	2	10.76	-.020						1.0
MORF	BZ14624	315	EPX			4	5	18.17							

November 1 2020 Hour: 5:1 9.2 Lat: 10.05N Lon: 84.06W Depth: 72F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

COSTA RICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8058	54	EP		512	27.84	-.040							1.0
MORF	BZ	8058	54	I Amb		512	28.37			63	1.6				
MESJ	BZ	8097	54	EP		512	29.950	.040							1.0
MESJ	BZ	8097	54	I Amb		512	30.83			8	0.9				

November 1 2020 Hour: 7:33 7.8 Lat: 37.81N Lon: 26.87E Depth: 10F Agency: IGL Distant
Magnitudes: 4.4Mb 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	3071	281	EP		738	55.41	-.010							1.0
MESJ	BZ	3071	281	I Amb		738	56.99			6	0.8				

November 1 2020 Hour: 8:5 21.8 Lat: 37.31N Lon: 8.57W Depth: 10F Agency: IGL Regional
Magnitudes: 0.7ML 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	265	EP		8	5	23.86	-.010						1.0
MORF	HN	7	265	ES		8	5	25.400	.010						1.0
MORF	HN	7	265	IAML		8	5	25.98			38	0.2			

November 1 2020 Hour: 10:51 6.2 Lat: 36.61N Lon: 7.59W Depth: 20F 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	122	309	EP		1051	24.74	-.180							1.0
MORF	HN	122	309	ES		1051	38.680	.090							1.0
MORF	HN	122	309	IAML		1051	40.34		6	0.1					
MESJ	HZ	147	338	EP		1051	28.080	.030							1.0
MESJ	HN	147	338	ES		1051	44.060	.060							1.0
MESJ	HN	147	338	IAML		1051	45.70		3	0.2					

November 1 2020 Hour: 12:50 18.9 Lat: 36.67N Lon: 7.25W 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	143	300	EP		1250	38.63	-.150							1.0
MORF	HN	143	300	ES		1250	53.350	.080							1.0
MORF	HN	143	300	IAML		1250	55.09		18	0.1					
MESJ	HZ	156	327	EP		1250	40.28	-.000							1.0
MESJ	HN	156	327	ES		1250	55.950	.070							1.0
MESJ	HN	156	327	IAML		1250	56.81		8	0.1					

November 1 2020 Hour: 23:9 33.7 Lat: 38.88N Lon: 21.57E Depth: 11F Agency: IGL Distant
 Magnitudes: 4.6Mb IGL Rms: 0.0 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2595	277	EP		2314	42.01	-.070							1.0
MESJ	BZ	2595	277	IAMB		2314	44.25		33	1.9					

November 2 2020 Hour: 2:34 2.2 Lat: 36.68N Lon: 11.05W Depth: 17F 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	224	71	EP		234	34.050	.140							1.0
MORF	HN	224	71	ES		234	57.02	-.030							1.0
MORF	HE	224	71	IAML		234	59.52		13	0.1					
MESJ	HZ	282	62	EP		234	40.93	-.120							1.0
MESJ	HN	282	62	ES		235	9.410	.010							1.0
MESJ	HE	282	62	IAML		235	11.05		2	0.1					

November 2 2020 Hour: 6:53 3.0 Lat: 37.19N Lon: 8.04W Depth: 21F Agency: IGL Regional
 Magnitudes: 0.3ML IGL Rms: 0.1 secs

NW LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	74	348	EP		653	15.110	.060							1.0
MESJ	HN	74	348	ES		653	23.75	-.060							1.0
MESJ	HE	74	348	IAML		653	24.51		1	0.2					

November 2 2020 Hour: 13:15 47.2 Lat: 37.19N Lon: 8.05W Depth: 21F Agency: IGL Regional
 Magnitudes: 1.0ML IGL Rms: 0.1 secs

NW LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	55	284	EP		1315	56.29	-.110							1.0
MORF	HE	55	284	ES		1316	3.14	-.020							1.0
MORF	HE	55	284	IAML		1316	4.60		12	0.1					
MESJ	HZ	74	348	EP		1315	59.230	.100							1.0
MESJ	HN	74	348	ES		1316	7.900	.030							1.0
MESJ	HN	74	348	IAML		1316	9.52		4	0.1					

**November 2 2020 Hour: 16:31 26.0 Lat: 37.34N Lon: 8.57W Depth: 13F Agency: IGL Regional
Magnitudes: 0.6ML 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	8	242	EP		1631	28.30	-.260							1.0
MORF	HN	8	242	ES		1631	30.470	.050							1.0
MORF	HN	8	242	IAML		1631	31.14		56	0.2					
MESJ	HZ	64	29	EP		1631	36.470	.170							1.0
MESJ	HN	64	29	ES		1631	43.860	.040							1.0
MESJ	HE	64	29	IAML		1631	44.69		1	0.1					

**November 3 2020 Hour: 0:3 10.0 Lat: 37.04N Lon: 8.61W Depth: 17F Agency: IGL Regional
Magnitudes: 0.6ML 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	30	353	EP		0 3	15.39	-.070							1.0
MORF	HE	30	353	ES		0 3	19.480	.040							1.0
MORF	HE	30	353	IAML		0 3	19.78		7	0.2					
MESJ	HE	95	21	ES		0 3	36.230	.030							1.0
MESJ	HN	95	21	IAML		0 3	37.17		2	0.2					

**November 4 2020 Hour: 3:14 16.0 Lat: 38.18N Lon: 7.54W Depth: 0 Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs**

NW MOURA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	71	238	EP		314	27.440	.080							1.0
MESJ	HE	71	238	ES		314	35.61	-.080							1.0
MESJ	HE	71	238	IAML		314	36.51		2	0.1					

**November 4 2020 Hour: 8:11 6.7 Lat: 36.64N Lon: 7.58W Depth: 30F Agency: IGL Regional
Magnitudes: 3.1ML 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	121	308	EP		811	24.33	-.230							1.0
MORF	HN	121	308	ES		811	37.720	.140							1.0
MORF	HN	121	308	IAML		811	42.95		498	0.3					
MESJ	HZ	145	337	EP		811	27.570	.050							1.0
MESJ	HN	145	337	ES		811	42.730	.040							1.0
MESJ	HN	145	337	IAML		811	44.26		182	0.3					

**November 4 2020 Hour: 14:38 44.7 Lat: 35.14N Lon: 4.90W Depth: 25F Agency: IGL Regional
Magnitudes: 2.7ML 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	414	307	EP		1439	39.290	.000							1.0
MORF	HN	414	307	ES		1440	19.250	.130							1.0
MORF	HN	414	307	IAML		1440	23.93		29	0.2					
MESJ	HZ	422	316	EP		1439	40.240	.010							1.0
MESJ	HN	422	316	ES		1440	20.60	-.150							1.0
MESJ	HN	422	316	IAML		1440	25.04		11	0.2					

**November 5 2020 Hour: 0:20 45.9 Lat: 36.78N Lon: 7.92W Depth: 30F 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	87	312	EP		020	59.58	-.020							1.0
MORF	HN	87	312	ES		021	9.47	-.130							1.0
MORF	HE	87	312	IAML		021	11.35		8	0.1					
MESJ	HZ	121	347	EP		021	3.830	.140							1.0
MESJ	HN	121	347	ES		021	16.680	.010							1.0
MESJ	HE	121	347	IAML		021	18.79		3	0.1					

November 5 2020 Hour: 9:26 4.5 Lat: 36.79N Lon: 8.03W Depth: 22F Agency: IGL Regional
Magnitudes: 1.6ML 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	80	316	EP		926	17.37	-.020							1.0
MORF	HE	80	316	ES		926	26.83	0.050							1.0
MORF	HE	80	316	IAML		926	27.39		26	0.2					
MESJ	HZ	118	352	EP		926	22.49	-.020							1.0
MESJ	HN	118	352	ES		926	35.62	-.020							1.0
MESJ	HN	118	352	IAML		926	36.71		7	0.1					

November 6 2020 Hour: 5:8 16.0 Lat: 38.31N Lon: 7.87W Depth: 2F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs

E VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	61	211	EP		5 8	25.87	0.060							1.0
MESJ	HE	61	211	ES		5 8	32.88	-.060							1.0
MESJ	HN	61	211	IAML		5 8	33.26		0.90	0.1					

November 6 2020 Hour: 6:17 17.7 Lat: 37.33N Lon: 8.55W Depth: 10F Agency: IGL Regional
Magnitudes: 0.3ML 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	HN	10	253	ES		617	21.81	0.130							1.0
MORF	HN	10	253	IAML		617	23.04		17	0.1					
MESJ	HZ	64	27	EP		617	28.06	-.040							1.0
MESJ	HN	64	27	ES		617	35.60	-.090							1.0
MESJ	HE	64	27	IAML		617	37.08		1	0.1					

November 6 2020 Hour: 9:12 29.4 Lat: 36.22N Lon: 8.59W Depth: 12F 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	120	357	EP		912	48.43	0.110							1.0
MORF	HN	120	357	ES		913	2.04	-.110							1.0
MORF	HE	120	357	IAML		913	4.72		30	0.1					

November 6 2020 Hour: 9:15 55.5 Lat: 39.25N Lon: 10.60W Depth: 1 Agency: IGL Regional
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
MESJ	HZ	260	126	EP		916	33.11	0.040							1.0
MORF	HZ	275	141	EP		916	34.94	-.040							1.0

November 6 2020 Hour: 17:16 3.9 Lat: 38.17N Lon: 8.90W Depth: 4F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

W MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	70	121	EP		1716	15.33	0.110							1.0
MESJ	HN	70	121	ES		1716	23.47	-.020							1.0
MESJ	HE	70	121	IAML		1716	26.00		1	0.2					
MORF	HN	99	167	ES		1716	31.32	-.090							1.0
MORF	HE	99	167	IAML		1716	33.24		6	0.1					

November 7 2020 Hour: 0:51 51.4 Lat: 36.02N Lon: 10.53W Depth: 40F 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	220	49	EP		052	21.48	-.110							1.0
MORF	HN	220	49	ES		052	43.83	0.230							1.0
MORF	HE	220	49	IAML		052	44.81		18	0.1					
MESJ	HZ	288	45	EP		052	29.89	-.120							1.0
MESJ	HN	288	45	ES		052	58.16	-.010							1.0

MESJ HE 288 45 IAML 052 59.61 0.90 0.1

November 7 2020 Hour: 5:35 44.4 Lat: 38.52N Lon: 7.85W Depth: 9F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

SE EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	82	203	EP		535	57.800	.050							1.0
MESJ	HN	82	203	ES		536	7.40	-.050							1.0
MESJ	HN	82	203	IAML		536	8.73			0.90	0.1				

November 7 2020 Hour: 9:27 5.2 Lat: 15.27S Lon: 173.56W Depth: 29F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17018	27	EP	KPdf		946	51.59	-.020							1.0
GGNV	BZ17018	27	EPP			950	43.940	.090							1.0
GGNV	BZ17018	27	IAMs	20	1048	30.90			12421	18.7					
MESJ	BZ17144	27	EP	KPdf		946	53.26	-.010							1.0
MESJ	BZ17144	27	IAMs	20	1049	35.40			3167	18.8					
MORF	BZ17172	29	EP	KPdf		946	53.62	-.050							1.0
MORF	BZ17172	29	IAMs	20	1047	8.44			13804	24.6					

November 7 2020 Hour: 14:23 12.0 Lat: 37.32N Lon: 8.53W Depth: 9F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	261	EP		1423	14.28	-.030							1.0
MORF	HN	11	261	ES		1423	16.00	-.030							1.0
MORF	HN	11	261	IAML		1423	16.40		14	0.1					
MESJ	HZ	64	25	EP		1423	22.430	.070							1.0

November 7 2020 Hour: 19:46 45.6 Lat: 36.37N Lon: 11.20W Depth: 20F 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	250	65	EP		1947	20.03	-.120							1.0
MORF	HE	250	65	ES		1947	45.470	.070							1.0
MORF	HE	250	65	IAML		1947	47.77		6	0.2					
MESJ	HN	311	57	ES		1947	58.570	.050							1.0
MESJ	HN	311	57	IAML		1948	1.13		0.40	0.1					

November 8 2020 Hour: 6:31 14.3 Lat: 0.95N Lon: 28.21W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

CENTRAL MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4500	24	EP		638	53.070	.090							1.0
MORF	BZ	4500	24	IAMB		638	53.46		36	1.0					
MESJ	BN	4571	24	ES		645	11.81	-.090							1.0

November 8 2020 Hour: 7:4 14.5 Lat: 36.78N Lon: 9.39W Depth: 27F Agency: IGL Regional
Magnitudes: 1.0ML 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	88	48	EP		7 4	28.510	.080							1.0
MORF	HN	88	48	ES		7 4	38.51	-.090							1.0
MORF	HE	88	48	IAML		7 4	39.97		16	0.1					
MESJ	HZ	157	41	EP		7 4	36.92	-.060							1.0
MESJ	HE	157	41	ES		7 4	53.470	.070							1.0
MESJ	HE	157	41	IAML		7 4	54.13		0.50	0.1					

November 8 2020 Hour: 15:16 7.7 Lat: 36.72N Lon: 10.41W Depth: 0 Agency: IGL Regional
Magnitudes: 1.5ML 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	169	67	EP		1516	34.200	.020							1.0
MORF	HE	169	67	ES		1516	53.610	.070							1.0
MORF	HN	169	67	IAML		1516	55.05			14	0.1				
MESJ	HZ	231	57	EP		1516	41.72	-.040							1.0
MESJ	HE	231	57	ES		1517	6.59	-.060							1.0
MESJ	HN	231	57	IAML		1517	10.22			0.90	0.2				

November 9 2020 Hour: 0:46 19.8 Lat: 37.97N Lon: 1.86W Depth: 4F Agency: IGL Regional
Magnitudes: 2.4ML 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	559	270	EP		047	33.870	.010							1.0
MESJ	HN	559	270	ES		048	27.89	-.060							1.0
MESJ	HN	559	270	IAML		048	37.55			5	0.5				
MORF	HZ	604	265	EP		047	39.340	.050							1.0

November 9 2020 Hour: 16:55 29.2 Lat: 35.20N Lon: 6.42W Depth: 31F 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
MESJ	HZ	334	332	EP		1656	12.750	.010							1.0
MESJ	HE	334	332	ES		1656	44.53	-.010							1.0
MESJ	HE	334	332	IAML		1656	47.42			1	0.1				

November 9 2020 Hour: 19:52 42.3 Lat: 36.70N Lon: 9.71W Depth: 32F 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	116	54	EP		1952	59.490	.020							1.0
MORF	HE	116	54	ES		1953	11.96	-.010							1.0
MORF	HE	116	54	IAML		1953	12.89			9	0.1				
MESJ	HZ	183	46	EP		1953	7.74	-.060							1.0
MESJ	HE	183	46	ES		1953	26.440	.050							1.0
MESJ	HE	183	46	IAML		1953	28.18			0.50	0.1				

November 10 2020 Hour: 2:59 11.0 Lat: 36.69N Lon: 9.69W Depth: 20F 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	53	EP		259	28.78	-.010							1.0
MORF	HE	115	53	ES		259	41.820	.010							1.0
MORF	HN	115	53	IAML		259	42.55			3	0.1				

November 10 2020 Hour: 11:37 32.9 Lat: 36.82N Lon: 11.01W Depth: 28F Agency: IGL Regional
Magnitudes: 2.4ML 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	75	EP		1138	2.780	.040							1.0
MORF	HE	216	75	ES		1138	24.51	-.040							1.0
MORF	HE	216	75	IAML		1138	26.45			25	0.1				

November 10 2020 Hour: 11:59 23.2 Lat: 37.28N Lon: 8.57W Depth: 13F 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	8	290	EP		1159	25.59	-.150							1.0
MORF	HE	8	290	ES		1159	27.630	.060							1.0
MORF	HN	8	290	IAML		1159	28.12			79	0.1				
MESJ	HZ	69	26	EP		1159	34.520	.100							1.0

MESJ HE 69 26 ES 1159 42.58-.010 1.0
 MESJ HN 69 26 IAML 1159 45.54 1 0.3

**November 10 2020 Hour: 14:37 41.7 Lat: 38.91N Lon: 70.49E Depth: 30F Agency: IGL Distant
 Magnitudes: 4.8Mb IGL Rms: 0.0 secs**

TAJIKISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6648	296	EP		1447	44.14	-.010							1.0
MESJ	BZ	6648	296	IAMB		1447	45.86			13	1.6				

**November 10 2020 Hour: 21:55 18.5 Lat: 35.49N Lon: 9.72W Depth: 28F Agency: IGL Regional
 Magnitudes: 1.3ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	223	25	EP		2155	49.250	.050							1.0
MORF	HN	223	25	ES		2156	11.54	-.050							1.0
MORF	HN	223	25	IAML		2156	11.88			2	0.2				

**November 10 2020 Hour: 23:26 20.1 Lat: 37.35N Lon: 8.32W Depth: 21F Agency: IGL Regional
 Magnitudes: 0.5ML IGL Rms: 0.1 secs**

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	30	260	EP		2326	25.75	-.160							1.0
MORF	HE	30	260	ES		2326	30.230	.090							1.0
MORF	HN	30	260	IAML		2326	31.26			5	0.1				
MESJ	HE	55	9	ES		2326	36.180	.070							1.0

**November 11 2020 Hour: 0:48 43.7 Lat: 19.74S Lon: 177.55W Depth: 417F 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	BZ17647	26	EP	KPab		1 8	29.83	-.050							1.0
GGNV	BZ17647	26	EPP			112	11.950	.020							1.0
MESJ	BZ17773	25	EP	KPdf		1 7	52.87	-.000							1.0
MESJ	BZ17773	25	EP	KPab		1 8	34.81	-.040							1.0
MESJ	BZ17773	25	EPP			112	18.160	.150							1.0
MORF	BZ17804	27	EP	KPdf		1 7	53.21	-.030							1.0
MORF	BZ17804	27	EP	KPab		1 8	36.08	-.060							1.0
MORF	BZ17804	27	EPP			112	19.570	.020							1.0

**November 11 2020 Hour: 3:54 14.4 Lat: 41.63N Lon: 20.82E Depth: 10F Agency: IGL Distant
 Magnitudes: 4.4Mb IGL Rms: 0.1 secs**

REPUBLIC OF NORTH MACEDONIA Net: CSEN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2512	270	EP		359	14.97	-.080							1.0
MESJ	BZ	2512	270	IAMB		359	21.23			28	1.8				
MESJ	BN	2512	270	ES		4 3	24.250	.080							1.0

**November 11 2020 Hour: 14:25 14.0 Lat: 41.68N Lon: 20.74E Depth: 10F Agency: IGL Distant
 Magnitudes: 4.0Mb IGL Rms: 0.0 secs**

REPUBLIC OF NORTH MACEDONIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2506	270	EP		1430	14.01	-.010							1.0
MESJ	BZ	2506	270	IAMB		1430	23.04			6	1.0				

**November 11 2020 Hour: 20: 3 52.9 Lat: 37.33N Lon: 8.54W Depth: 9F Agency: IGL Regional
 Magnitudes: 0.8ML 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	10	254	EP		20 3	55.14	-.050							1.0
MORF	HE	10	254	ES		20 3	56.910	.050							1.0
MORF	HN	10	254	IAML		20 3	57.46			46	0.1				

November 12 2020 Hour: 19:42 2.1 Lat: 36.63N Lon: 7.60W Depth: 22F Agency: IGL Regional
Magnitudes: 1.2ML 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	120	309	ES		1942	33.74	0.020							1.0
MORF	HN	120	309	IAML		1942	35.15			9	0.2				
MESJ	HZ	145	338	EP		1942	23.38	-.070							1.0
MESJ	HE	145	338	ES		1942	39.11	0.050							1.0
MESJ	HN	145	338	IAML		1942	43.53			1	0.1				

November 12 2020 Hour: 22:54 6.1 Lat: 37.30N Lon: 8.55W Depth: 7F Agency: IGL Regional
Magnitudes: 1.5ML 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	9	273	EP		2254	7.76	-.240							1.0
MORF	HN	9	273	ES		2254	9.56	0.160							1.0
MORF	HE	9	273	IAML		2254	10.61			657	0.1				
MESJ	HZ	67	26	EP		2254	16.94	0.040							1.0
MESJ	HN	67	26	ES		2254	24.83	0.040							1.0
MESJ	HN	67	26	IAML		2254	28.10			8	0.3				

November 12 2020 Hour: 23:11 25.9 Lat: 38.56N Lon: 8.06W Depth: 7F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

W EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	81	190	EP		2311	39.07	0.060							1.0
MESJ	HN	81	190	ES		2311	48.55	-.060							1.0
MESJ	HE	81	190	IAML		2311	51.06			1	0.2				

November 13 2020 Hour: 22:55 45.6 Lat: 36.95N Lon: 8.64W Depth: 13F Agency: IGL Regional
Magnitudes: 0.3ML 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
MORF	HZ	39	358	EP		2255	52.25	-.020							1.0
MORF	HN	39	358	ES		2255	57.14	0.000							1.0
MORF	HE	39	358	IAML		2255	58.46			5	0.1				
MESJ	HE	105	21	ES		2256	14.44	0.010							1.0
MESJ	HE	105	21	IAML		2256	15.11			0.40	0.3				

November 14 2020 Hour: 2:56 55.4 Lat: 30.36N Lon: 67.46E Depth: 12F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

PAKISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6845	299	EP		3 7	12.44	-.000							1.0
MESJ	BZ	6845	299	IAMB		3 7	18.92			14	1.3				

November 14 2020 Hour: 3:58 59.3 Lat: 36.69N Lon: 9.66W Depth: 16F Agency: IGL Regional
Magnitudes: 1.0ML 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	113	52	EP		359	17.03	-.050							1.0
MORF	HN	113	52	ES		359	30.06	0.000							1.0
MORF	HN	113	52	IAML		359	31.42			7	0.2				
MESJ	HZ	181	45	EP		359	25.43	-.180							1.0
MESJ	HN	181	45	ES		359	45.05	0.230							1.0
MESJ	HE	181	45	IAML		359	45.47			0.50	0.2				

November 14 2020 Hour: 4:44 26.1 Lat: 36.50N Lon: 7.25W Depth: 30F 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	154	306	EP		444	48.070	.070							1.0
MORF	HN	154	306	ES		445	3.93-	-.070							1.0
MORF	HN	154	306	IAML		445	8.09			4	0.1				
MESJ	HZ	172	330	EP		444	50.330	.100							1.0
MESJ	HN	172	330	ES		445	7.76-	-.100							1.0
MESJ	HN	172	330	IAML		445	9.01			0.50	0.2				

November 14 2020 Hour: 6:42 33.8 Lat: 19.59S Lon: 168.76E Depth: 41F 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	BZ17986	352	EP	KPab		7 3	15.240	.060							1.0
MORF	BZ18050	353	EP	KPab		7 3	17.72-	-.060							1.0

November 14 2020 Hour: 8:6 21.5 Lat: 34.83N Lon: 5.54W Depth: 7F Agency: IGL Regional
 Magnitudes: 2.4ML 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	392	315	EP		8 7	14.950	.020							1.0
MORF	HN	392	315	ES		8 7	53.85-	-.100							1.0
MORF	HN	392	315	IAML		8 7	55.56			19	0.2				
MESJ	HZ	411	325	EP		8 7	17.27-	-.000							1.0
MESJ	HN	411	325	ES		8 7	58.090	.080							1.0
MESJ	HN	411	325	IAML		8 8	0.27			6	0.3				

November 14 2020 Hour: 10:13 10.5 Lat: 36.54N Lon: 5.44W Depth: 28F Agency: IGL Regional
 Magnitudes: 1.7ML IGL Rms: 0.1 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	286	301	EP		1013	49.040	.040							1.0
MESJ	HN	286	301	ES		1014	17.03-	-.040							1.0
MESJ	HN	286	301	IAML		1014	19.47			2	0.2				
MORF	HZ	299	287	EP		1013	50.41-	-.200							1.0
MORF	HN	299	287	ES		1014	20.050	.200							1.0
MORF	HN	299	287	IAML		1014	23.05			8	0.2				

November 14 2020 Hour: 20:30 14.9 Lat: 35.13N Lon: 9.30W Depth: 41F Agency: IGL Regional
 Magnitudes: 4.0ML 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	248	13	EP		2030	48.49-	-.090							1.0
MORF	HN	248	13	ES		2031	13.180	.040							1.0
MORF	HN	248	13	IAML		2031	13.95			1146	0.3				
MESJ	HZ	316	18	EP		2030	56.81-	-.060							1.0
MESJ	HN	316	18	ES		2031	27.40-	-.070							1.0
MESJ	HE	316	18	IAML		2031	30.02			129	0.2				
GGNV	HZ	398	2	EP		2031	6.920	.080							0.9
GGNV	HN	398	2	ES		2031	44.830	.110							0.9
GGNV	HN	398	2	IAML		2031	47.82			1718	0.4				

November 14 2020 Hour: 20:50 43.0 Lat: 36.55N Lon: 9.73W Depth: 12F 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	127	49	EP		2051	2.88-	-.100							1.0
MORF	HN	127	49	ES		2051	17.620	.040							1.0
MORF	HN	127	49	IAML		2051	19.79			3	0.2				
MESJ	HZ	196	43	EP		2051	11.650	.070							1.0

November 14 2020 Hour: 21:38 44.1 Lat: 37.33N Lon: 8.59W Depth: 8F Agency: IGL Regional
Magnitudes: 1.0ML 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	243	EP		2138	45.63	-.210							1.0
MORF	HE	6	243	ES		2138	47.170	.080							1.0
MORF	HE	6	243	IAML		2138	47.83		406	0.1					
MESJ	HZ	65	30	EP		2138	54.990	.240							1.0
MESJ	HN	65	30	ES		2139	2.41	-.090							1.0
MESJ	HN	65	30	IAML		2139	3.53		2	0.1					

November 14 2020 Hour: 22:48 25.0 Lat: 36.91N Lon: 8.91W Depth: 30F 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	49	28	EP		2248	33.71	-.130							1.0
MORF	HN	49	28	ES		2248	40.430	.130							1.0
MORF	HN	49	28	IAML		2248	41.07		6	0.1					

November 15 2020 Hour: 3:17 53.4 Lat: 36.99N Lon: 8.82W Depth: 20F Agency: IGL Regional
Magnitudes: 0.6ML 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	38	23	EP		318	0.230	.070							1.0
MORF	HE	38	23	ES		318	5.00	-.120							1.0
MORF	HN	38	23	IAML		318	5.94		11	0.1					
MESJ	HN	108	29	ES		318	22.810	.050							1.0
MESJ	HE	108	29	IAML		318	23.90		0.70	0.1					

November 15 2020 Hour: 3:40 24.7 Lat: 37.26N Lon: 9.13W Depth: 29F Agency: IGL Regional
Magnitudes: 0.9ML 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	83	EP		340	32.660	.030							1.0
MORF	HN	43	83	ES		340	38.540	.110							1.0
MORF	HN	43	83	IAML		340	39.48		8	0.1					
MESJ	HZ	103	51	EP		340	40.21	-.150							1.0

November 15 2020 Hour: 9:16 2.8 Lat: 36.15N Lon: 8.30W Depth: 31F Agency: IGL Regional
Magnitudes: 0.8ML 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	132	346	EP		916	21.08	-.170							1.0
MESJ	HZ	188	2	EP		916	28.190	.060							1.0
MESJ	HN	188	2	ES		916	46.740	.120							1.0
MESJ	HN	188	2	IAML		916	48.15		0.80	0.1					

November 15 2020 Hour: 12:28 45.9 Lat: 36.58N Lon: 9.76W Depth: 14F 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	127	50	EP		1229	5.73	-.050							1.0
MORF	HE	127	50	ES		1229	20.24	-.070							1.0
MORF	HN	127	50	IAML		1229	22.13		5	0.1					
MESJ	HZ	196	44	EP		1229	14.280	.050							1.0
MESJ	HE	196	44	ES		1229	35.000	.080							1.0
MESJ	HN	196	44	IAML		1229	35.87		0.40	0.1					

November 15 2020 Hour: 12:33 15.2 Lat: 24.16S Lon: 67.56W Depth:143F Agency: IGL Distant
Magnitudes: 4.8Mb 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	9245	43	EP		1245	24.990	.000							1.0
MESJ	BZ	9245	43	IAMB		1245	26.92			22	1.4				

November 15 2020 Hour: 16:21 28.0 Lat: 37.81N Lon: 9.31W Depth: 0 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	81	134	EP		1621	40.92	-.100							1.0
MORF	HN	81	134	ES		1621	50.50	-.030							1.0
MORF	HN	81	134	IAML		1621	52.66			23	0.2				
MESJ	HZ	96	88	EP		1621	43.540	.060							1.0
MESJ	HE	96	88	ES		1621	54.860	.070							1.0
MESJ	HN	96	88	IAML		1621	56.61			2	0.2				

November 16 2020 Hour: 1:47 5.5 Lat: 37.17N Lon: 8.98W Depth: 28F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 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	33	63	EP		147	12.10	-.040							1.0
MORF	HN	33	63	ES		147	17.040	.040							1.0
MORF	HE	33	63	IAML		147	17.52			11	0.1				

November 16 2020 Hour: 5:3 52.7 Lat: 37.34N Lon: 8.77W Depth: 1F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.0 secs

NE ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	111	EP		5	3	54.580	.030						1.0
MORF	HE	11	111	ES		5	3	55.84	-.030						1.0
MORF	HE	11	111	IAML		5	3	56.32		11	0.3				

November 16 2020 Hour: 12:12 43.9 Lat: 36.72N Lon: 9.76W Depth: 16F 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	118	56	EP		1213	2.21	-.210							1.0
MORF	HE	118	56	ES		1213	16.080	.100							1.0
MORF	HN	118	56	IAML		1213	19.06			5	0.1				
MESJ	HZ	185	47	EP		1213	10.790	.120							1.0

November 16 2020 Hour: 17:4 48.3 Lat: 35.93N Lon: 10.08W Depth: 6F 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	199	40	EP		17	5	17.83	-.080						1.0
MORF	HE	199	40	ES		17	5	39.690	.180						1.0
MORF	HE	199	40	IAML		17	5	42.91		20	0.1				
MESJ	HZ	269	37	EP		17	5	26.50	-.100						1.0

November 16 2020 Hour: 22:45 27.9 Lat: 7.09S Lon: 155.73E Depth: 70F 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	BZ16216	339	EPKP			23	4	57.730	.100						1.0
MESJ	BZ16263	337	EPKP			23	4	58.35	-.020						1.0
MORF	BZ16334	337	EPKP			23	4	59.40	-.080						1.0

November 17 2020 Hour: 13:41 10.2 Lat: 36.58N Lon: 12.71W Depth: 11F 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	370	76	EP		1341	56.22	-.190							1.0
MORF	HE	370	76	ES		1342	30.51	0.340							1.0
MORF	HN	370	76	IAML		1342	32.72			33	0.2				
MESJ	HZ	422	69	EP		1342	2.55	-.200							1.0
MESJ	HN	422	69	ES		1342	41.19	0.040							1.0
MESJ	HN	422	69	IAML		1342	44.04			4	0.2				

November 18 2020 Hour: 0:44 15.6 Lat: 36.51N Lon: 8.05W Depth: 32F 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	103	329	EP		044	31.17	-.080							1.0
MORF	HN	103	329	ES		044	42.62	-.020							1.0
MORF	HE	103	329	IAML		044	44.12			52	0.2				
MESJ	HZ	148	354	EP		044	36.88	0.060							1.0
MESJ	HN	148	354	ES		044	52.31	0.040							1.0
MESJ	HE	148	354	IAML		044	53.31			9	0.1				

November 18 2020 Hour: 13:50 19.8 Lat: 37.09N Lon: 14.20W Depth: 36F 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	493	86	EP		1351	21.42	0.180							1.0
MORF	HE	493	86	ES		1352	5.88	-.180							1.0
MORF	HN	493	86	IAML		1352	10.80			6	0.3				

November 18 2020 Hour: 19:57 5.5 Lat: 36.42N Lon: 4.60W Depth: 74F Agency: IGL Regional
Magnitudes: 2.0ML 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	358	297	EP		1957	52.33	-.090							1.0
MESJ	HN	358	297	ES		1958	26.66	-.020							1.0
MESJ	HN	358	297	IAML		1958	28.68			2	0.2				
MORF	HZ	374	286	EP		1957	54.25	-.140							1.0
MORF	HN	374	286	ES		1958	30.35	0.250							1.0
MORF	HN	374	286	IAML		1958	33.50			14	0.2				

November 19 2020 Hour: 3:31 57.9 Lat: 37.73N Lon: 8.34W Depth: 15F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	16	41	EP		332	1.38	-.080							1.0
MESJ	HE	16	41	ES		332	4.12	0.080							1.0
MORF	HZ	55	210	EP		332	6.97	0.030							1.0
MORF	HN	55	210	ES		332	13.50	-.030							1.0
MORF	HE	55	210	IAML		332	14.20			5	0.2				

November 19 2020 Hour: 4:25 44.9 Lat: 37.49N Lon: 7.66W Depth: 17F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

S MERTOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	63	308	EP		425	55.01	-.110							1.0
MESJ	HE	63	308	ES		426	2.64	0.030							1.0
MESJ	HN	63	308	IAML		426	4.29			2	0.1				
MORF	HZ	90	257	EP		425	59.36	0.090							1.0
MORF	HE	90	257	ES		426	9.79	-.000							1.0
MORF	HE	90	257	IAML		426	11.81			10	0.2				

November 19 2020 Hour: 12:48 17.4 Lat: 36.15N Lon: 8.11W Depth: 23F 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	137	339	EP		1248	37.88	-0.12							1.0
MORF	HE	137	339	ES		1248	52.88	-0.15							1.0
MORF	HN	137	339	IAML		1248	55.20			120	0.3				
MESJ	HZ	188	357	EP		1248	44.46	0.18							1.0
MESJ	HE	188	357	ES		1249	3.99	0.10							1.0
MESJ	HE	188	357	IAML		1249	4.61			26	0.1				

November 19 2020 Hour: 13:40 3.7 Lat: 36.72N Lon: 7.02W Depth: 30F Agency: IGL Regional
Magnitudes: 1.9ML 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	159	295	ES		1340	42.70	-.100							1.0
MORF	HN	159	295	IAML		1340	43.74			5	0.2				
MESJ	HZ	164	320	EP		1340	26.78	-.040							1.0
MESJ	HN	164	320	ES		1340	43.84	0.140							1.0
MESJ	HN	164	320	IAML		1340	45.13			30	0.1				

November 19 2020 Hour: 17:10 12.8 Lat: 35.37N Lon: 3.61W Depth: 17F Agency: IGL Regional
Magnitudes: 2.2ML 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	496	305	EP		1711	18.03	0.100							1.0
MESJ	HN	496	305	ES		1712	5.42	-.050							1.0
MESJ	HE	496	305	IAML		1712	11.87			4	0.4				
MORF	HZ	501	297	EP		1711	18.62	-.050							1.0

November 19 2020 Hour: 17:51 42.0 Lat: 35.32N Lon: 3.61W Depth: 12F Agency: IGL Regional
Magnitudes: 3.3ML 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	498	305	EP		1752	47.81	0.010							1.0
MESJ	HN	498	305	ES		1753	35.90	0.040							1.0
MESJ	HN	498	305	IAML		1753	38.76			25	0.6				
MORF	HZ	503	297	EP		1752	48.50	0.040							1.0
MORF	HE	503	297	ES		1753	36.91	-.090							1.0
MORF	HE	503	297	IAML		1753	42.22			118	0.4				

November 20 2020 Hour: 3:25 18.4 Lat: 35.45N Lon: 3.81W Depth: 3F Agency: IGL Regional
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
MESJ	HZ	475	305	EP		326	22.45	0.010							1.0

November 20 2020 Hour: 6:42 17.3 Lat: 38.73N Lon: 9.02W Depth: 17F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NW MONTIJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	121	144	EP		642	36.22	0.070							1.0
MESJ	HN	121	144	ES		642	49.84	-.070							1.0
MESJ	HE	121	144	IAML		642	50.72			0.90	0.3				

November 20 2020 Hour: 19:13 53.6 Lat: 36.77N Lon: 11.33W Depth: 43F Agency: IGL Regional
Magnitudes: 3.3ML 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	245	75	EP		1914	26.91	-.040							1.0
MORF	HE	245	75	ES		1914	51.16	-.110							1.0
MORF	HN	245	75	IAML		1914	53.07			369	0.3				
GGNV	HN	289	41	ES		1915	0.54	0.100							1.0

GGNV HN	289	41	IAML	1915	3.46		266	0.2											
MESJ HZ	300	66	EP	1914	33.55	-.050													1.0
MESJ HN	300	66	ES	1915	2.870	.090													1.0
MESJ HN	300	66	IAML	1915	6.88				23	0.2									

**November 20 2020 Hour: 19:23 51.4 Lat: 36.68N Lon: 7.28W Depth: 19F Agency: IGL Regional
Magnitudes: 0.5ML 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
MESJ HZ	153	327	EP			1924	14.040	.010							1.0
MESJ HE	153	327	ES			1924	30.58	-.010							1.0
MESJ HN	153	327	IAML			1924	31.74		0.60	0.3					

**November 20 2020 Hour: 20: 9 28.1 Lat: 36.65N Lon: 9.72W Depth: 18F 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	120	52	EP			20 9	46.790	.060							1.0
MORF HN	120	52	ES			2010	0.20	-.110							1.0
MORF HN	120	52	IAML			2010	1.92		28	0.1					
MESJ HZ	187	45	EP			20 9	55.03	-.100							1.0
MESJ HN	187	45	ES			2010	14.990	.150							1.0
MESJ HN	187	45	IAML			2010	17.64		3	0.1					

**November 20 2020 Hour: 23:26 45.2 Lat: 36.78N Lon: 11.26W Depth: 36F Agency: IGL Regional
Magnitudes: 1.6ML 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	239	75	EP			2327	17.71	-.020							1.0
MORF HN	239	75	ES			2327	41.42	-.030							1.0
MORF HN	239	75	IAML			2327	43.52		6	0.2					
MESJ HN	294	66	ES			2327	53.230	.050							1.0
MESJ HN	294	66	IAML			2327	55.41		2	0.5					

**November 21 2020 Hour: 1:48 49.3 Lat: 35.76N Lon: 4.68W Depth: 34F Agency: IGL Regional
Magnitudes: 3.4ML 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	391	307	EP			149	40.610	.100							1.0
MESJ HE	391	307	ES			150	18.080	.160							1.0
MESJ HN	391	307	IAML			150	20.29		45	0.2					
MORF HZ	395	297	EP			149	40.90	-.100							1.0
MORF HE	395	297	ES			150	18.60	-.170							1.0
MORF HN	395	297	IAML			150	20.91		228	0.3					

**November 21 2020 Hour: 2:11 48.0 Lat: 30.90S Lon: 71.50W Depth: 54F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs**

COQUIMBO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ	9981	45	EP			224	40.28	-.060							1.0
MORF BZ	9981	45	IAMB			224	43.43		154	1.8					
MESJ BZ10049	45	EP				224	43.170	.060							1.0
MESJ BZ10049	45	IAMB				224	45.05		16	1.6					

**November 21 2020 Hour: 4: 5 12.5 Lat: 39.37N Lon: 9.22W Depth: 29F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs**

NW OBIDOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV HZ	73	175	EP			4 5	24.24	-.140							1.0
GGNV HN	73	175	ES			4 5	33.260	.190							1.0
GGNV HN	73	175	IAML			4 5	34.90		167	0.2					
MESJ HZ	191	153	EP			4 5	38.94	-.130							0.9
MESJ HE	191	153	ES			4 5	58.610	.130							0.9
MESJ HE	191	153	IAML			4 6	8.25		2	0.2					

MORF HZ	235	168	EP		4	5	44.40	-.130									0.9
MORF HN	235	168	ES		4	6	7.990	.070									0.9
MORF HE	235	168	IAML		4	6	10.75			15	0.2						

November 21 2020 Hour: 8:25 42.9 Lat: 37.33N Lon: 8.51W Depth: 9F Agency: IGL Regional
Magnitudes: 1.2ML 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		13	257	EP		825	45.32	-.150							1.0
MORF HE		13	257	ES		825	47.450	.080							1.0
MORF HN		13	257	IAML		825	48.03			89	0.3				
MESJ HZ		62	24	EP		825	53.080	.080							1.0

November 21 2020 Hour: 15:23 55.6 Lat: 35.42N Lon: 9.62W Depth: 31F 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		226	22	EP		1524	25.64	-.090							1.0
MORF HN		226	22	ES		1524	47.770	.010							1.0
MORF HN		226	22	IAML		1524	49.27			9	0.1				
MESJ HZ		296	25	EP		1524	34.460	.080							1.0

November 21 2020 Hour: 22: 0 12.0 Lat: 36.79N Lon: 11.33W Depth: 32F 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		245	76	EP		22	0	45.12	-.080						1.0
MORF HE		245	76	ES		22	1	9.460	.030						1.0
MORF HE		245	76	IAML		22	1	11.72			80	0.2			
MESJ HZ		299	66	EP		22	0	51.86	-.060						1.0
MESJ HN		299	66	ES		22	1	21.170	.110						1.0
MESJ HN		299	66	IAML		22	1	25.08			5	0.3			

November 21 2020 Hour: 22:38 19.6 Lat: 38.08N Lon: 8.22W Depth: 3F Agency: IGL Regional
Rms: 0.0 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		27	180	EP		2238	23.930	.000							1.0
MESJ HN		27	180	ES		2238	27.09	-.000							1.0

November 22 2020 Hour: 0:54 57.1 Lat: 34.62S Lon: 73.07W Depth: 20F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.1 secs

OFFSHORE MAULE, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BE10373		46	ESKSac			118	43.16	0.08							1.0
MORF BZ10373		46	IAMs_20			151	4.01			6500	15.2				
MESJ BZ10441		46	EP			1	8	12.80	-0.13						1.0
MESJ BE10441		46	ESKSac			118	46.41	0.05							1.0
MESJ BZ10441		46	IAMs_20			148	9.04			1742	22.0				

November 22 2020 Hour: 3:53 8.7 Lat: 36.65N Lon: 6.76E Depth: 10F Agency: IGL Distant
Magnitudes: 4.5Ms IGL Rms: 0.1 secs

NORTHERN ALGERIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ	1334	280	EP			355	59.65	-.120							1.0
MESJ BN	1334	280	ES			358	14.970	.100							1.0
MESJ BZ	1334	280	IAMs_20			4	0	7.32			848	18.4			
MORF BZ	1373	278	EP			356	4.40	-.150							1.0
MORF BE	1373	278	IAMs_20			4	1	18.16			6451	11.2			
GGNV BZ	1420	284	EP			356	10.490	.180							1.0
GGNV BE	1420	284	IAMs_20			4	1	14.81			7346	16.4			

November 22 2020 Hour: 9:57 57.8 Lat: 37.31N Lon: 8.57W Depth: 10F Agency: IGL Regional
Magnitudes: 1.0ML 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		957	59.81	-.090							1.0
MORF	HE	7	265	ES		958	1.500	.090							1.0
MORF	HE	7	265	IAML		958	2.22			74	0.1				

November 22 2020 Hour: 13:32 43.9 Lat: 37.06N Lon: 8.18W Depth: 21F Agency: IGL Regional
Magnitudes: 0.2ML 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	50	303	EP		1332	52.25	-.210							1.0
MORF	HE	50	303	ES		1332	58.850	.160							1.0
MORF	HN	50	303	IAML		1332	59.97			2	0.1				
MESJ	HN	87	358	ES		1333	7.990	.050							1.0
MESJ	HE	87	358	IAML		1333	9.56			0.50	0.2				

November 22 2020 Hour: 15:15 29.4 Lat: 36.50N Lon: 7.66W Depth: 19F Agency: IGL Regional
Magnitudes: 0.5ML 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	126	316	EP		1515	48.50	-.140							1.0
MESJ	HZ	157	342	EP		1515	52.620	.160							1.0
MESJ	HE	157	342	ES		1516	9.31	-.020							1.0
MESJ	HE	157	342	IAML		1516	10.37			0.50	0.2				

November 23 2020 Hour: 3:30 35.2 Lat: 28.49S Lon: 63.30W Depth: 567F Agency: IGL Distant
Magnitudes: 4.1Mb 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
MESJ	BZ	9314	41	EP		342	5.120	.010							1.0
MESJ	BZ	9314	41	IAMB		342	5.86			5	0.9				

November 23 2020 Hour: 3:50 18.8 Lat: 73.22N Lon: 96.00W Depth: 10F Agency: IGL Distant
Magnitudes: 4.4Mb IGL Rms: 0.0 secs

PRINCE OF WALES ISLAND, NUNAVUT, CANADA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5948	79	EP		359	39.580	.010							1.0
MESJ	BZ	5948	79	IAMB		359	39.89			3	0.8				

November 23 2020 Hour: 15:19 34.1 Lat: 36.48N Lon: 7.63W Depth: 31F Agency: IGL Regional
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	129	315	EP		1519	52.17	-.050							1.0
MESJ	HZ	160	341	EP		1519	56.040	.050							1.0

November 23 2020 Hour: 18:14 33.1 Lat: 35.69N Lon: 8.87W Depth: 24F Agency: IGL Regional
Magnitudes: 1.0ML 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	180	6	EP		1814	58.66	-.020							1.0
MORF	HN	180	6	ES		1815	17.16	-.230							1.0
MORF	HE	180	6	IAML		1815	18.50			4	0.2				
MESJ	HZ	246	13	EP		1815	6.810	.050							1.0
MESJ	HE	246	13	ES		1815	31.570	.210							1.0
MESJ	HN	246	13	IAML		1815	33.19			0.30	0.2				

November 23 2020 Hour: 22: 7 51.6 Lat: 22.61S Lon: 66.16W Depth:256F Agency: IGL Distant
Rms: 0.0 secs

JUJUY, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9023	43	EP		2219	38.39	-.010							1.0

November 24 2020 Hour: 1:22 1.5 Lat: 38.13N Lon: 8.14W Depth: 2F Agency: IGL Regional
Rms: 0.1 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	33	192	EP		122	6.910	.120							1.0
MESJ	HE	33	192	ES		122	10.56	-.120							1.0

November 24 2020 Hour: 4:48 6.5 Lat: 36.19N Lon: 8.24W Depth: 32F Agency: IGL Regional
Magnitudes: 2.4ML 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	129	344	EP		448	25.16	-.110							1.0
MORF	HE	129	344	ES		448	39.020	.020							1.0
MORF	HE	129	344	IAML		448	39.88			54	0.3				
MESJ	HZ	183	1	EP		448	32.080	.130							1.0
MESJ	HE	183	1	ES		448	50.54	-.020							1.0

November 24 2020 Hour: 11:28 50.4 Lat: 38.37N Lon: 9.47W Depth: 9F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

W SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	124	118	EP		1129	10.10	-.020							1.0
MESJ	HN	124	118	ES		1129	24.620	.130							1.0
MORF	HZ	138	148	EP		1129	12.10	-.090							1.0
MORF	HN	138	148	ES		1129	28.05	-.030							1.0
MORF	HN	138	148	IAML		1129	29.93			3	0.2				

November 24 2020 Hour: 13:36 42.8 Lat: 36.87N Lon: 9.16W Depth: 26F 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	66	43	EP		1336	53.790	.100							1.0
MORF	HN	66	43	ES		1337	1.710	.030							1.0
MORF	HE	66	43	IAML		1337	3.20			81	0.1				
MESJ	HZ	136	37	EP		1337	2.65	-.090							1.0
MESJ	HN	136	37	ES		1337	17.27	-.050							1.0

November 24 2020 Hour: 21:14 23.0 Lat: 35.73N Lon: 10.02W Depth: 32F Agency: IGL Regional
Magnitudes: 1.4ML 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	213	35	EP		2114	52.290	.000							1.0
MORF	HN	213	35	ES		2115	13.56	-.100							1.0
MORF	HN	213	35	IAML		2115	14.13			8	0.1				
MESJ	HZ	284	34	EP		2115	1.100	.080							1.0
MESJ	HN	284	34	ES		2115	28.810	.030							1.0
MESJ	HN	284	34	IAML		2115	32.72			0.60	0.3				

November 24 2020 Hour: 21:28 8.6 Lat: 37.74N Lon: 8.32W Depth: 17F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	14	39	EP		2128	12.220	.140							1.0
MESJ	HE	14	39	ES		2128	14.710	.050							1.0
MORF	HZ	57	211	EP		2128	17.80	-.100							1.0
MORF	HE	57	211	ES		2128	24.62	-.100							1.0
MORF	HN	57	211	IAML		2128	25.84			13	0.2				

November 25 2020 Hour: 2:35 32.5 Lat: 36.72N Lon: 13.31W Depth: 25F Agency: IGL Regional
 Magnitudes: 3.4ML 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	420	80	EP		236	24.71	-.070							1.0
MORF	HE	420	80	ES		237	3.100	.120							1.0
MORF	HE	420	80	IAML		237	5.64			57	0.3				
GGNV	HZ	429	58	EP		236	25.79	-.020							1.0
GGNV	HE	429	58	ES		237	4.790	.020							1.0
GGNV	HN	429	58	IAML		237	12.42			126	0.4				
MESJ	HZ	468	73	EP		236	30.63	-.070							1.0
MESJ	HN	468	73	ES		237	13.230	.020							1.0

November 25 2020 Hour: 2:50 5.1 Lat: 36.68N Lon: 13.29W Depth: 32F Agency: IGL Regional
 Magnitudes: 2.8ML 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	419	79	EP		250	57.390	.000							1.0
MORF	HE	419	79	ES		251	35.49	-.040							1.0
MORF	HN	419	79	IAML		251	39.60			24	0.3				
GGNV	HZ	429	57	EP		250	58.57	-.080							1.0
GGNV	HE	429	57	ES		251	37.800	.090							1.0
GGNV	HE	429	57	IAML		251	39.79			18	0.1				
MESJ	HZ	468	73	EP		251	3.550	.180							1.0
MESJ	HN	468	73	ES		251	45.73	-.150							1.0

November 25 2020 Hour: 2:57 12.4 Lat: 37.74N Lon: 8.31W Depth: 18F Agency: IGL Regional
 Magnitudes: 0.6ML IGL Rms: 0.1 secs

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	14	36	EP		257	16.020	.050							1.0
MESJ	HE	14	36	ES		257	18.660	.060							1.0
MORF	HZ	57	212	EP		257	21.71	-.110							1.0
MORF	HN	57	212	ES		257	28.720	.000							1.0
MORF	HN	57	212	IAML		257	29.63			3	0.1				

November 25 2020 Hour: 8:34 45.6 Lat: 36.77N Lon: 8.70W Depth: 27F 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	59	4	EP		834	55.55	-.110							1.0
MORF	HE	59	4	ES		835	3.090	.090							1.0
MORF	HN	59	4	IAML		835	4.38			45	0.1				
MESJ	HZ	126	20	EP		835	4.310	.030							1.0

November 25 2020 Hour: 14:21 47.5 Lat: 36.62N Lon: 11.19W Depth: 30F Agency: IGL Regional
 Magnitudes: 1.5ML 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	238	71	EP		1422	19.960	.020							1.0
MORF	HE	238	71	ES		1422	43.60	-.030							1.0
MORF	HN	238	71	IAML		1422	45.10			8	0.1				
MESJ	HZ	296	62	EP		1422	27.140	.040							1.0
MESJ	HN	296	62	ES		1422	55.99	-.030							1.0
MESJ	HN	296	62	IAML		1422	57.76			0.80	0.2				

November 25 2020 Hour: 18:32 27.2 Lat: 36.65N Lon: 9.66W Depth: 8F 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	115	51	EP		1832	45.42	-.140							1.0
MORF	HN	115	51	ES		1832	59.140	.140							1.0
MORF	HN	115	51	IAML		1833	0.73			6	0.1				

November 26 2020 Hour: 16:44 43.9 Lat: 37.07N Lon: 8.62W Depth: 20F Agency: IGL Regional
Magnitudes: 1.0ML 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	26	354	EP		1644	49.160	.070							1.0
MORF	HN	26	354	ES		1644	52.85	-.070							1.0
MORF	HE	26	354	IAML		1644	53.96			20	0.1				

November 27 2020 Hour: 6:28 15.5 Lat: 36.31N Lon: 7.59W Depth: 10F Agency: IGL Regional
Magnitudes: 1.7ML 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	145	320	EP		628	38.100	.040							1.0
MORF	HN	145	320	ES		628	54.48	-.040							1.0
MORF	HE	145	320	IAML		628	57.70			11	0.2				

November 28 2020 Hour: 2:13 32.3 Lat: 36.30N Lon: 8.07W Depth: 32F Agency: IGL Regional
Magnitudes: 3.2ML 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	123	335	EP		2 1	50.12	-.200							1.0
MORF	HE	123	335	ES		2 2	3.38	-.120							1.0
MORF	HE	123	335	IAML		2 2	5.06			363	0.2				
MESJ	HZ	171	356	EP		2 1	56.360	.070							1.0
MESJ	HN	171	356	ES		2 2	13.850	.010							1.0
GGNV	HZ	285	341	EP		2 2	10.460	.110							0.9
GGNV	HN	285	341	ES		2 2	38.330	.170							0.9
GGNV	HN	285	341	IAML		2 2	42.92			110	0.2				

November 28 2020 Hour: 7:39 53.7 Lat: 36.69N Lon: 7.61W Depth: 24F 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	115	307	EP		740	11.17	-.110							1.0
MORF	HE	115	307	ES		740	24.01	-.080							1.0
MORF	HN	115	307	IAML		740	24.42			7	0.1				
MESJ	HZ	139	337	EP		740	14.260	.110							1.0
MESJ	HE	139	337	ES		740	29.140	.080							1.0

November 28 2020 Hour: 11:18 32.4 Lat: 35.80N Lon: 4.64W Depth: 88F Agency: IGL Regional
Magnitudes: 3.3ML 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	391	306	EP		1119	23.370	.200							1.0
MESJ	HN	391	306	ES		1120	0.19	-.010							1.0
MORF	HZ	396	296	EP		1119	23.69	-.060							1.0
MORF	HN	396	296	ES		1120	1.08	-.120							1.0
MORF	HN	396	296	IAML		1120	6.12			81	0.2				

November 28 2020 Hour: 11:34 50.9 Lat: 37.05N Lon: 5.86W 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	226	293	EP		1135	24.330	.020							1.0
MORF	HZ	249	277	EP		1135	27.20	-.020							1.0

November 28 2020 Hour: 16:5 46.3 Lat: 36.45N Lon: 7.52W Depth: 11F Agency: IGL Regional
Magnitudes: 2.2ML 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	139	314	EP		16 6	7.82	-.040							1.0
MORF	HE	139	314	ES		16 6	23.780	.170							1.0
MORF	HN	139	314	IAML		16 6	26.01			31	0.1				

MESJ HZ 166 338 EP 16 6 11.06-.220 1.0
 MESJ HN 166 338 ES 16 6 29.610.090 1.0

**November 29 2020 Hour: 7:50 17.7 Lat: 38.07N Lon: 8.07W Depth: 0 Agency: IGL Regional
 Rms: 0.1 secs**

NE FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 29 207 EP 750 22.46 0.13 1.0
 MESJ HE 29 207 ES 750 25.58-0.13 1.0

**November 30 2020 Hour: 16: 7 40.0 Lat: 36.66N Lon: 7.42W Depth: 19F Agency: IGL Regional
 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
 MESJ HZ 149 332 EP 16 8 2.180.060 1.0
 MESJ HE 149 332 ES 16 8 18.21-.060 1.0

**November 30 2020 Hour: 17: 8 3.2 Lat: 36.71N Lon: 7.54W Depth: 22F Agency: IGL Regional
 Magnitudes: 1.7ML 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 HE 119 304 ES 17 8 34.610.010 1.0
 MORF HN 119 304 IAML 17 8 35.51 14 0.3
 MESJ HZ 139 335 EP 17 8 23.68-.120 1.0
 MESJ HE 139 335 ES 17 8 38.980.110 1.0

**November 30 2020 Hour: 22:54 34.6 Lat: 48.26N Lon: 140.81E Depth:587F Agency: IGL Distant
 Magnitudes: 6.2Mb IGL Rms: 0.0 secs**

TATAR STRAIT, RUSSIA Net: NEIC

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ 9931 337 EP 23 6 28.93-.040 1.0
 GGNV BZ 9931 337 IAMB 23 6 30.49 561 1.7
 MESJ BZ 9995 336 EP 23 6 31.690.010 1.0
 MORF BZ10064 336 EP 23 6 34.630.030 1.0
 MORF BZ10064 336 IAMB 23 6 38.01 260 1.2

**November 30 2020 Hour: 22:54 59.1 Lat: 24.38S Lon: 67.05W Depth:148F Agency: IGL Distant
 Magnitudes: 5.9Mb IGL Rms: 0.1 secs**

SALTA, ARGENTINA Net: NEIC

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF BZ 9161 43 EP 23 7 4.42-.030 1.0
 MORF BZ 9161 43 IAMB 23 7 7.73 365 1.9
 MORF BN 9161 43 ES 2317 8.21-.210 0.9
 GGNV BZ 9224 42 EP 23 7 7.410.110 1.0
 GGNV BZ 9224 42 IAMB 23 7 8.71 298 1.4
 GGNV BN 9224 42 ESKSac 2317 13.890.100 1.0
 MESJ BZ 9227 43 EP 23 7 7.46-.020 1.0
 MESJ BN 9227 43 ESKSac 2317 14.040.020 1.0

**December 1 2020 Hour: 16:22 39.2 Lat: 52.78N Lon: 168.30W Depth: 23F Agency: IGL Distant
 Magnitudes: 6.1Ms IGL Rms: 0.1 secs**

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ 9675 16 EP 1635 22.46-.010 1.0
 GGNV BZ 9675 16 EPP 1638 46.33-.050 1.0
 GGNV BN 9675 16 ESKSac 1645 48.08-.000 1.0
 GGNV BE 9675 16 IAMs_20 1715 15.79 8359 21.3
 MESJ BZ 9787 16 EP 1635 27.33-.000 1.0
 MESJ BZ 9787 16 EPP 1638 54.46-.070 1.0
 MESJ BN 9787 16 ESKSac 1645 54.470.140 1.0
 MORF BZ 9837 16 EP 1635 29.620.100 1.0
 MORF BZ 9837 16 EPP 1638 58.16-.030 1.0
 MORF BN 9837 16 ESKSac 1645 57.08-.060 1.0
 MORF BZ 9837 16 IAMs_20 1711 32.03 12439 30.3

December 2 2020 Hour: 10:54 56.1 Lat: 38.31N Lon: 23.40E Depth: 2F Agency: IGL Distant
Rms: 0.0 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2761	279	EP		11 0	19.83	-.010							1.0

December 2 2020 Hour: 17: 0 36.5 Lat: 24.25S Lon: 69.41W Depth: 74F Agency: IGL Distant
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	9382	44	EP		1713	0.440	.010							1.0

December 2 2020 Hour: 17:54 35.8 Lat: 36.58N Lon: 9.75W Depth: 21F Agency: IGL Regional
Magnitudes: 1.2ML 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	127	50	EP		1754	55.050	.010							1.0
MORF	HN	127	50	ES		1755	9.05	-.010							1.0
MORF	HN	127	50	IAML		1755	10.55			4	0.1				

December 2 2020 Hour: 23: 9 10.0 Lat: 37.22N Lon: 3.74W Depth: 6F 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	402	281	EP		2310	4.76	-.030							1.0
MORF	HZ	436	273	EP		2310	9.050	.030							1.0

December 3 2020 Hour: 1:16 14.5 Lat: 36.55N Lon: 9.69W Depth: 13F 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	125	48	EP		116	34.02	-.030							1.0
MORF	HN	125	48	ES		116	48.390	.030							1.0
MORF	HN	125	48	IAML		116	49.14			3	0.1				

December 3 2020 Hour: 5: 7 9.8 Lat: 36.58N Lon: 7.50W Depth: 20F 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	130	308	EP		5 7	29.38	-.140							1.0
MORF	HN	130	308	ES		5 7	44.100	.140							1.0
MORF	HE	130	308	IAML		5 7	44.85			4	0.1				

December 3 2020 Hour: 10:29 18.4 Lat: 36.94N Lon: 8.94W Depth: 28F 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	48	32	EP		1029	26.93	-.040							1.0
MORF	HE	48	32	ES		1029	33.250	.040							1.0
MORF	HE	48	32	IAML		1029	33.85			8	0.1				

December 3 2020 Hour: 12:20 43.2 Lat: 37.66N Lon: 9.53W Depth: 1F Agency: IGL Regional
Magnitudes: 1.3ML 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	87	117	EP		1220	57.22	-.010							1.0
MORF	HE	87	117	ES		1221	7.500	.010							1.0
MORF	HN	87	117	IAML		1221	9.55			8	0.2				

December 4 2020 Hour: 0:10 15.0 Lat: 37.48N Lon: 14.29W Depth: 10F Agency: IGL Regional
Magnitudes: 3.2ML 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	500	91	EP		011	16.87	-.270							1.0
MORF	HN	500	91	ES		012	2.45	-.030							1.0
MORF	HN	500	91	IAML		012	9.29		40	0.4					
MESJ	HZ	537	84	EP		011	21.710	.020							1.0
MESJ	HN	537	84	ES		012	10.660	.300							1.0

December 4 2020 Hour: 4:6 18.0 Lat: 23.87S Lon: 66.56W Depth:199F Agency: IGL Distant
Rms: 0.0 secs

JUJUY, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9152	43	EP		418	17.160	.010							1.0

December 4 2020 Hour: 10:59 6.3 Lat: 36.62N Lon: 7.19W Depth: 18F Agency: IGL Regional
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
MESJ	HZ	163	326	EP		1059	30.22	-.120							1.0
MESJ	HE	163	326	ES		1059	47.980	.120							1.0

December 5 2020 Hour: 7:6 25.2 Lat: 38.42N Lon: 9.21W Depth: 6F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

W SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	108	126	EP		7 6	42.640	.060							1.0
MESJ	HN	108	126	ES		7 6	55.400	.130							1.0
MORF	HN	133	158	ES		7 7	1.68	-.200							1.0
MORF	HN	133	158	IAML		7 7	2.91		19	0.3					

December 5 2020 Hour: 10:26 49.5 Lat: 37.31N Lon: 8.53W Depth: 16F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	267	EP		1026	52.52	-.150							1.0
MORF	HE	11	267	ES		1026	55.000	.030							1.0
MORF	HE	11	267	IAML		1026	55.43		20	0.1					
MESJ	HE	65	25	ES		1027	7.890	.130							1.0

December 5 2020 Hour: 12:44 40.9 Lat: 36.05N Lon: 31.81E Depth: 98F Agency: IGL Distant
Rms: 0.0 secs

WESTERN TURKEY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3544	285	EP		1250	56.770	.000							1.0

December 5 2020 Hour: 20:38 38.6 Lat: 36.23N Lon: 9.73W Depth: 30F Agency: IGL Regional
Magnitudes: 2.7ML 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	153	39	EP		2039	0.530	.010							1.0
MORF	HN	153	39	ES		2039	16.44	-.050							1.0
MORF	HN	153	39	IAML		2039	17.64		100	0.1					
MESJ	HZ	224	36	EP		2039	9.18	-.040							1.0
MESJ	HE	224	36	ES		2039	31.620	.080							1.0

December 6 2020 Hour: 1:30 5.1 Lat: 37.68N Lon: 7.90W Depth: 14F Agency: IGL Regional
Rms: 0.0 secs

E CASTRO VERDE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	33	302	EP		130	10.980	0.050							1.0
MESJ	HN	33	302	ES		130	15.10	-0.050							1.0

December 6 2020 Hour: 8:32 36.8 Lat: 37.22N Lon: 3.71W 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
MORF	HZ	438	273	EP		833	36.590	0.010							1.0

December 6 2020 Hour: 15:26 39.4 Lat: 36.38N Lon: 9.71W Depth: 30F 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	139	42	EP		1526	59.630	0.050							1.0
MORF	HN	139	42	ES		1527	14.17	-0.120							1.0
MORF	HN	139	42	IAML		1527	15.97			24	0.2				
MESJ	HZ	209	39	EP		1527	8.14	-0.090							1.0
MESJ	HE	209	39	ES		1527	29.420	0.170							1.0

December 6 2020 Hour: 16:47 42.2 Lat: 20.37S Lon: 69.09W Depth: 100F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.1 secs

TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8988	45	EP		1659	44.88	-0.04							1.0
MORF	BZ	8988	45	EpP		17 0	10.74	0.08							1.0
MORF	BZ	8988	45	IAMB		17 0	17.87			259	1.1				
MORF	BN	8988	45	ES		17 9	45.45	0.16							1.0
GGNV	BZ	9041	43	EpP		17 0	13.17	0.05							1.0
GGNV	BZ	9041	43	IAMB		17 0	19.20			162	0.9				
GGNV	BN	9041	43	ES		17 9	49.85	-0.18							1.0
MESJ	BZ	9053	44	EP		1659	48.02	0.07							1.0
MESJ	BZ	9053	44	EpP		17 0	13.76	0.02							1.0
MESJ	BN	9053	44	ES		17 9	51.06	-0.17							1.0

December 7 2020 Hour: 12:39 39.5 Lat: 34.30N Lon: 5.62W Depth: 13F 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	432	321	EP		1240	37.12	-0.100							1.0
MESJ	HZ	457	330	EP		1240	40.310	0.000							1.0
MESJ	HE	457	330	ES		1241	24.810	0.100							1.0

December 7 2020 Hour: 18:32 56.3 Lat: 38.22N Lon: 11.59W Depth: 10F Agency: IGL Regional
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	278	111	EP		1833	31.230	0.000							1.0

December 7 2020 Hour: 18:41 32.4 Lat: 37.28N Lon: 8.56W Depth: 14F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	288	EP		1841	35.07	-0.010							1.0
MORF	HE	9	288	ES		1841	37.060	0.010							1.0
MORF	HN	9	288	IAML		1841	37.43			16	0.1				

December 8 2020 Hour: 1:6 27.2 Lat: 38.52N Lon: 8.28W Depth: 5F Agency: IGL Regional
Rms: 0.0 secs

SW MONTEMOR-O-NOVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	76	176	EP		1 6	39.43	-.030							1.0
MESJ	HN	76	176	ES		1 6	48.430	.030							1.0

December 8 2020 Hour: 3:21 59.8 Lat: 4.75N Lon: 77.42W Depth: 35F Agency: IGL Distant
Rms: 0.0 secs

NEAR WEST COAST OF COLOMBIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7823	52	EP		333	20.460	.000							1.0
MESJ	BZ	7871	52	EP		333	23.050	.040							1.0

December 8 2020 Hour: 13:38 21.2 Lat: 36.96N Lon: 3.81W 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	403	285	EP		1339	16.610	.010							1.0

December 8 2020 Hour: 15:8 38.8 Lat: 37.37N Lon: 8.33W Depth: 24F Agency: IGL Regional
Magnitudes: 1.8ML 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	30	256	EP		15 8	44.67	-.130							1.0
MORF	HE	30	256	ES		15 8	49.310	.140							1.0
MORF	HE	30	256	IAML		15 8	49.83			91	0.2				
MESJ	HE	53	11	ES		15 8	54.48	-.000							1.0

December 8 2020 Hour: 16:35 46.4 Lat: 35.13N Lon: 9.31W Depth: 40F Agency: IGL Regional
Magnitudes: 4.6ML 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	248	14	EP		1636	20.00	-.020							1.0
MORF	HN	248	14	ES		1636	44.36	-.230							1.0
MORF	HN	248	14	IAML		1636	45.52			2141	0.2				
MESJ	HZ	316	18	EP		1636	28.380	.040							1.0
MESJ	HN	316	18	ES		1636	59.020	.030							1.0
GGNV	HZ	398	2	EP		1636	38.470	.190							0.9
GGNV	HN	398	2	ES		1637	16.210	.020							0.9
GGNV	HN	398	2	IAML		1637	19.81			2825	0.3				

December 8 2020 Hour: 17:21 56.7 Lat: 36.61N Lon: 11.20W Depth: 30F Agency: IGL Regional
Magnitudes: 2.1ML 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	240	70	EP		1722	29.390	.040							1.0
MORF	HE	240	70	ES		1722	53.15	-.000							1.0
MORF	HE	240	70	IAML		1722	54.51			11	0.2				
MESJ	HZ	298	62	EP		1722	36.52	-.000							1.0
MESJ	HE	298	62	ES		1723	5.52	-.040							1.0

December 8 2020 Hour: 17:56 42.3 Lat: 16.08N Lon: 95.21W Depth: 26F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

OFFSHORE OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8653	55	EP		18 8	37.29	-.030							1.0
MORF	BZ	8653	55	IAMB		18 8	40.23			15	0.7				
MESJ	BZ	8680	54	EP		18 8	38.600	.030							1.0

December 9 2020 Hour: 18:2 9.0 Lat: 36.58N Lon: 7.58W Depth: 20F Agency: IGL Regional
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
MESJ	HZ	151	338	EP		18 2	31.240	.000							1.0

December 9 2020 Hour: 19:58 46.8 Lat: 37.27N Lon: 8.43W Depth: 19F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

NE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	20	281	EP		1958	51.11	-.080							1.0
MORF	HN	20	281	ES		1958	54.510	.080							1.0
MORF	HN	20	281	IAML		1958	56.00		6	0.3					

December 9 2020 Hour: 21:44 33.7 Lat: 52.43N Lon: 106.70E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

LAKE BAYKAL REGION, RUSSIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8200	312	EP		2156	8.400	.120							1.0
MESJ	BN	8200	312	ES		22 5	40.300	.050							1.0
MORF	BZ	8271	312	EP		2156	11.88	-.170							1.0
MORF	BE	8271	312	IAMs_20		2233	46.57		3034	14.7					

December 10 2020 Hour: 2:50 12.4 Lat: 35.45N Lon: 3.79W Depth: 5F Agency: IGL Regional
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
MESJ	HZ	477	305	EP		251	16.440	.010							1.0

December 10 2020 Hour: 4:51 52.6 Lat: 35.62N Lon: 14.71W Depth: 10F 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	574	69	EP		453	3.54	-.300							1.0
MORF	HN	574	69	ES		453	56.060	.200							1.0
MORF	HN	574	69	IAML		453	59.00		7	0.2					
MESJ	HN	630	65	ES		454	7.700	.110							1.0

December 10 2020 Hour: 20:42 8.2 Lat: 32.97S Lon: 179.83W Depth: 98F Agency: IGL Distant
Rms: 0.0 secs

SOUTH OF KERMADEC ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ19081	57	EPKpdf			21 2	4.75	-.010							1.0
MESJ	BZ19084	52	EPKpdf			21 2	4.69	-.030							1.0
MESJ	BZ19084	52	EPP			21 7	18.050	.050							1.0
MESJ	BE19084	52	ESS			2128	17.84	-.010							1.0

December 11 2020 Hour: 4:25 44.2 Lat: 36.36N Lon: 7.66W Depth: 30F 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	137	320	EP		426	3.89	-.160							1.0
MORF	HN	137	320	ES		426	18.590	.020							1.0
MORF	HN	137	320	IAML		426	20.68		53	0.2					
MESJ	HZ	172	343	EP		426	8.520	.230							1.0
MESJ	HN	172	343	ES		426	25.82	-.080							1.0

December 11 2020 Hour: 20:22 12.7 Lat: 37.00N Lon: 8.94W Depth: 18F Agency: IGL Regional
Magnitudes: 0.8ML 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	42	37	EP		2022	19.970	.020							1.0
MORF	HN	42	37	ES		2022	25.26	-.020							1.0
MORF	HE	42	37	IAML		2022	25.87			7	0.1				

December 12 2020 Hour: 23:17 42.9 Lat: 36.93N Lon: 8.35W Depth: 7F 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	50	327	EP		2317	50.89	-.080							1.0
MORF	HN	50	327	ES		2317	56.920	.060							1.0
MORF	HE	50	327	IAML		2317	58.31			8	0.2				
MESJ	HE	102	6	ES		2318	11.200	.030							1.0

December 13 2020 Hour: 5:58 11.6 Lat: 36.20N Lon: 10.67W Depth: 30F Agency: IGL Regional
Magnitudes: 1.2ML 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	218	55	EP		558	41.640	.130							1.0
MORF	HN	218	55	ES		559	3.22	-.130							1.0
MORF	HN	218	55	IAML		559	4.58			2	0.1				

December 13 2020 Hour: 7:25 35.1 Lat: 24.03S Lon: 176.56E Depth: 10F Agency: IGL Distant
Rms: 0.0 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18429	15	EPKPdf			745	39.41	-.040							1.0
MORF	BZ18473	17	EPKPdf			745	39.860	.040							1.0

December 13 2020 Hour: 9: 2 33.8 Lat: 36.83N Lon: 7.19W Depth: 23F 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	140	292	EP		9 2	54.62	-.160							1.0
MORF	HE	140	292	ES		9 3	10.140	.030							1.0
MORF	HN	140	292	IAML		9 3	11.47			5	0.1				
MESJ	HZ	145	321	EP		9 2	55.410	.140							1.0

December 13 2020 Hour: 11:56 51.9 Lat: 36.11N Lon: 8.63W Depth: 32F Agency: IGL Regional
Magnitudes: 2.8ML 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	133	359	EP		1157	11.02	-.130							1.0
MORF	HE	133	359	ES		1157	25.17	-.030							1.0
MORF	HE	133	359	IAML		1157	27.33			148	0.2				
MESJ	HZ	195	11	EP		1157	19.130	.200							1.0
MESJ	HE	195	11	ES		1157	38.62	-.030							1.0

December 13 2020 Hour: 12:44 32.2 Lat: 37.34N Lon: 8.56W Depth: 13F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.2 secs

N MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	244	EP		1244	34.57	-.250							1.0
MORF	HE	9	244	ES		1244	36.790	.050							1.0
MORF	HN	9	244	IAML		1244	37.66			733	0.2				
MESJ	HZ	63	28	EP		1244	42.640	.210							1.0
MESJ	HN	63	28	ES		1244	49.910	.010							1.0

December 14 2020 Hour: 4:42 56.2 Lat: 36.68N Lon: 11.25W Depth: 33F 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	241	73	EP		443	29.080	.120							1.0
MORF	HN	241	73	ES		443	52.76	-.120							1.0
MORF	HN	241	73	IAML		443	54.86			5	0.2				

December 14 2020 Hour: 13:38 30.1 Lat: 36.73N Lon: 7.45W Depth: 26F 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	125	301	EP		1338	48.54	-.120							1.0
MORF	HE	125	301	ES		1339	2.260	.030							1.0
MORF	HE	125	301	IAML		1339	3.74			5	0.2				
MESJ	HZ	141	331	EP		1338	50.740	.100							1.0
MESJ	HN	141	331	ES		1339	5.65	-.010							1.0

December 14 2020 Hour: 15:20 49.4 Lat: 21.81S Lon: 68.71W Depth: 114F Agency: IGL Distant
 Magnitudes: 5.7Mb IGL Rms: 0.1 secs
ANTOFAGASTA, CHILE net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9074	44	EP		1532	54.51	-.040							1.0
MORF	BZ	9074	44	IAMB		1532	59.86			307	2.1				
MORF	BN	9074	44	ES		1542	57.59	-.000							1.0
MESJ	BZ	9139	44	EP		1532	57.51	-.070							1.0
MESJ	BN	9139	44	ES		1543	3.640	.120							1.0

December 14 2020 Hour: 19:35 58.5 Lat: 72.33N Lon: 0.64E Depth: 10F Agency: IGL Distant
 Magnitudes: 5.5Mb IGL Rms: 0.0 secs
NORWEGIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3868	192	EP		1942	49.18	-.060							1.0
MESJ	BE	3868	192	ES		1948	20.780	.020							1.0
MORF	BZ	3931	193	EP		1942	54.09	-.020							1.0
MORF	BZ	3931	193	IAMB		1942	57.10			48	0.6				
MORF	BE	3931	193	ES		1948	29.510	.050							1.0

December 15 2020 Hour: 1:56 28.5 Lat: 36.05N Lon: 7.84W Depth: 20F Agency: IGL Regional
 Magnitudes: 2.3ML 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	157	333	EP		156	51.39	-.140							1.0
MORF	HN	157	333	ES		157	8.400	.030							1.0
MORF	HN	157	333	IAML		157	13.50			35	0.3				
MESJ	HZ	201	350	EP		156	57.210	.190							1.0
MESJ	HN	201	350	ES		157	17.78	-.090							1.0

December 15 2020 Hour: 11:43 34.3 Lat: 36.60N Lon: 8.32W Depth: 22F Agency: IGL Regional
 Magnitudes: 2.2ML 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	84	339	EP		1143	47.740	.010							1.0
MORF	HN	84	339	ES		1143	57.52	-.020							1.0
MORF	HE	84	339	IAML		1143	59.88			74	0.2				
MESJ	HZ	138	4	EP		1143	54.75	-.040							1.0
MESJ	HE	138	4	ES		1144	9.790	.050							1.0

December 15 2020 Hour: 11:47 52.5 Lat: 36.80N Lon: 7.66W Depth: 28F Agency: IGL Regional
Magnitudes: 1.7ML 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	105	303	EP		1148	8.34	-.120							1.0
MORF	HE	105	303	ES		1148	20.190	.070							1.0
MORF	HE	105	303	IAML		1148	21.55			17	0.2				
MESJ	HZ	126	337	EP		1148	11.100	.050							1.0

December 15 2020 Hour: 15:48 16.2 Lat: 36.33N Lon: 9.25W Depth: 16F Agency: IGL Regional
Magnitudes: 1.6ML 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	121	26	EP		1548	35.120	.030							1.0
MORF	HN	121	26	ES		1548	48.86	-.030							1.0
MORF	HE	121	26	IAML		1548	49.78			10	0.1				

December 15 2020 Hour: 17:34 7.8 Lat: 35.33N Lon: 11.31W Depth: 32F 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	324	47	EP		1734	50.820	.030							1.0
MORF	HE	324	47	ES		1735	22.270	.080							1.0
MORF	HE	324	47	IAML		1735	25.53			12	0.3				
MESJ	HZ	392	44	EP		1734	59.07	-.150							1.0
MESJ	HE	392	44	ES		1735	36.800	.020							1.0

December 15 2020 Hour: 19:21 19.0 Lat: 35.79N Lon: 4.68W Depth: 26F Agency: IGL Regional
Magnitudes: 2.7ML 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	389	307	EP		1922	10.37	-.010							1.0
MESJ	HE	389	307	ES		1922	47.81	-.070							1.0
MORF	HZ	393	296	EP		1922	10.93	-.000							1.0
MORF	HN	393	296	ES		1922	48.920	.080							1.0
MORF	HE	393	296	IAML		1922	51.25			20	0.2				

December 16 2020 Hour: 1:32 46.3 Lat: 36.51N Lon: 11.28W Depth: 31F 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	250	69	EP		133	19.39	-.060							1.0
MORF	HE	250	69	ES		133	43.730	.100							1.0
MORF	HN	250	69	IAML		133	45.86			10	0.3				
MESJ	HZ	309	61	EP		133	26.70	-.050							1.0

December 16 2020 Hour: 8:13 18.9 Lat: 36.67N Lon: 7.25W Depth: 34F 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	HE	143	300	ES		813	54.490	.000							1.0
MORF	HN	143	300	IAML		813	55.06			7	0.2				
MESJ	HZ	156	327	EP		813	41.060	.100							1.0
MESJ	HN	156	327	ES		813	56.99	-.100							1.0

December 16 2020 Hour: 14:5 34.8 Lat: 36.42N Lon: 11.32W 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	257	67	EP		14 6	9.61	-.090							1.0
MORF	HE	257	67	ES		14 6	35.250	.090							1.0
MORF	HE	257	67	IAML		14 6	37.86			7	0.2				

December 16 2020 Hour: 14:13 24.1 Lat: 37.72N Lon: 6.59W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	144	276	EP		1413	47.29	-.040							1.0
MESJ	HE	144	276	ES		1414	4.290	.040							1.0

December 16 2020 Hour: 17:47 57.5 Lat: 36.01N Lon: 8.66W Depth: 30F Agency: IGL Regional
Magnitudes: 2.4ML 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	144	0	EP		1748	18.11	-.040							1.0
MORF	HN	144	0	ES		1748	33.300	.040							1.0
MORF	HN	144	0	IAML		1748	36.95			50	0.1				

December 16 2020 Hour: 17:48 45.1 Lat: 16.56S Lon: 71.43W Depth: 87F Agency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.0 secs

SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8869	46	EP		18 0	43.45	-.020							1.0
MORF	BZ	8869	46	IAMB		18 0	46.32			172	0.8				
MESJ	BZ	8932	46	EP		18 0	46.460	.020							1.0
MESJ	BZ	8932	46	E		18 0	51.02					240	0	46.7	

December 16 2020 Hour: 19:0 42.7 Lat: 37.84N Lon: 8.18W Depth: 9F Agency: IGL Regional
Rms: 0.0 secs

SW ALJUSTREL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	4	269	EP		19 0	44.29	-.010							1.0
MESJ	HN	4	269	ES		19 0	45.470	.010							1.0

December 17 2020 Hour: 5:53 32.9 Lat: 37.35N Lon: 8.47W Depth: 6F Agency: IGL Regional
Magnitudes: 0.7ML 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	17	253	EP		553	35.76	-.080							1.0
MORF	HE	17	253	ES		553	38.090	.110							1.0
MORF	HE	17	253	IAML		553	39.81			24	0.2				
MESJ	HE	59	22	ES		553	49.32	-.040							1.0

December 17 2020 Hour: 8:24 20.2 Lat: 36.25N Lon: 8.14W Depth: 1 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	126	339	EP		824	40.44	-.030							1.0
MORF	HN	126	339	ES		824	55.300	.030							1.0
MORF	HE	126	339	IAML		824	57.25			15	0.2				

December 17 2020 Hour: 13:36 46.4 Lat: 35.61N Lon: 26.34E Depth: 27F Agency: IGL Distant
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	3080	285	EP		1342	32.360	.010							1.0

December 18 2020 Hour: 8:44 31.2 Lat: 37.36N Lon: 8.48W Depth: 11F 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	17	248	EP		844	34.38	-.030							1.0
MORF	HE	17	248	ES		844	36.810	.030							1.0
MORF	HN	17	248	IAML		844	37.36			29	0.1				

December 18 2020 Hour: 11:27 20.7 Lat: 37.34N Lon: 8.50W Depth: 8F Agency: IGL Regional
Magnitudes: 1.2ML 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	14	254	EP		1127	23.23	-.090							1.0
MORF	HE	14	254	ES		1127	25.360	.090							1.0
MORF	HE	14	254	IAML		1127	25.96			92	0.1				

December 18 2020 Hour: 11:28 39.9 Lat: 37.33N Lon: 8.52W Depth: 9F Agency: IGL Regional
Magnitudes: 0.5ML 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	12	256	EP		1128	42.26	-.120							1.0
MORF	HN	12	256	ES		1128	44.310	.120							1.0
MORF	HN	12	256	IAML		1128	44.70			18	0.2				

December 18 2020 Hour: 20:48 53.7 Lat: 38.16N Lon: 8.29W Depth: 1F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	36	170	EP		2048	59.42	-.100							1.0
MESJ	HN	36	170	ES		2049	3.60	-.170							1.0
MORF	HZ	100	199	EP		2049	10.060	.200							1.0
MORF	HN	100	199	ES		2049	21.740	.080							1.0
MORF	HE	100	199	IAML		2049	23.91			8	0.3				

December 18 2020 Hour: 21:39 38.3 Lat: 36.43N Lon: 7.82W Depth: 20F 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	122	323	EP		2139	56.87	-.180							1.0
MORF	HN	122	323	ES		2140	10.750	.010							1.0
MORF	HN	122	323	IAML		2140	11.73			6	0.2				
MESJ	HZ	160	347	EP		2140	1.780	.010							1.0
MESJ	HN	160	347	ES		2140	19.070	.170							1.0

December 19 2020 Hour: 9:52 37.5 Lat: 37.32N Lon: 8.54W Depth: 21F Agency: IGL Regional
Magnitudes: 1.0ML 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		952	40.91	-.370							1.0
MORF	HN	10	260	ES		952	44.100	.090							1.0
MORF	HE	10	260	IAML		952	44.81			32	0.1				
MESJ	HZ	64	26	EP		952	48.400	.280							1.0
MESJ	HE	64	26	ES		952	55.860	.020							1.0

December 19 2020 Hour: 9:53 44.0 Lat: 37.28N Lon: 8.56W Depth: 12F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	288	EP		953	46.440	.020							1.0
MORF	HE	9	288	ES		953	48.20	-.020							1.0
MORF	HE	9	288	IAML		953	48.84			34	0.1				

December 20 2020 Hour: 17:3 56.1 Lat: 32.52N Lon: 5.97W Depth: 0 Agency: IGL Regional
Magnitudes: 0.1ML 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	585	336	EP		17	5	13.66	-.130						1.0
MESJ	HZ	625	341	EP		17	5	18.690	.080						1.0
MESJ	HN	625	341	ES		17	6	18.880	.060						1.0

December 20 2020 Hour: 17:23 22.8 Lat: 40.87N Lon: 142.56E Depth: 35F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

NEAR EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10748	338		EPP		1740	44.080	.070							1.0
GGNV	BN10748	338		IAMs_20		1824	42.99		21909	26.0					
MESJ	BZ10808	337		EP		1736	51.45	-.110							1.0
MESJ	BZ10808	337		EPP		1740	48.340	.090							1.0
MORF	BZ10878	337		EP		1736	54.26	-.150							1.0
MORF	BZ10878	337		EPP		1740	53.170	.080							1.0
MORF	BZ10878	337		IAMs_20		1824	21.46		14460	21.5					

December 21 2020 Hour: 1:25 39.5 Lat: 38.18N Lon: 8.78W Depth: 11F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

NW MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	98	173	EP		125	55.150	.040							1.0
MORF	HN	98	173	ES		126	6.43	-.040							1.0
MORF	HN	98	173	IAML		126	7.03		6	0.3					

December 21 2020 Hour: 1:43 30.3 Lat: 36.91N Lon: 8.79W Depth: 30F 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	45	16	EP		143	38.56	-.110							1.0
MORF	HE	45	16	ES		143	44.890	.120							1.0
MORF	HE	45	16	IAML		143	45.62		13	0.2					
MESJ	HZ	115	26	EP		143	47.38	-.010							1.0

December 21 2020 Hour: 1:44 33.9 Lat: 36.88N Lon: 8.79W Depth: 29F 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	49	14	EP		144	42.59	-.000							1.0
MORF	HE	49	14	ES		144	48.950	.000							1.0
MORF	HE	49	14	IAML		144	49.97		9	0.2					

December 21 2020 Hour: 1:46 21.8 Lat: 38.13N Lon: 8.80W Depth: 12F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

SW MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	60	122	EP		146	31.45	-.200							1.0
MESJ	HN	60	122	ES		146	38.900	.090							1.0
MORF	HZ	93	172	EPg		146	36.920	.020							1.0
MORF	HN	93	172	ES		146	47.400	.100							1.0
MORF	HE	93	172	IAML		146	48.61		39	0.1					

December 21 2020 Hour: 1:48 2.3 Lat: 38.13N Lon: 8.80W Depth: 12F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

SW MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	60	122	EP		148	11.87	-.190							1.0
MESJ	HN	60	122	ES		148	19.320	.090							1.0
MORF	HZ	93	172	EPg		148	17.29	-.020							1.0
MORF	HE	93	172	ES		148	27.840	.130							1.0
MORF	HE	93	172	IAML		148	29.02		49	0.1					

December 21 2020 Hour: 2:37 48.9 Lat: 36.65N Lon: 9.75W Depth: 17F Agency: IGL Regional
Magnitudes: 1.9ML 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	122	53	EP		238	7.84	-.040							1.0
MORF	HE	122	53	ES		238	21.71	-.010							1.0
MORF	HE	122	53	IAML		238	22.90		18	0.1					
MESJ	HZ	189	45	EP		238	16.21	-.040							1.0
MESJ	HE	189	45	ES		238	36.280	.090							1.0

December 21 2020 Hour: 3:20 20.9 Lat: 36.86N Lon: 10.70W Depth: 7F 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	189	74	EP		320	49.11	-.030							1.0
MORF	HE	189	74	ES		321	9.770	.030							1.0
MORF	HN	189	74	IAML		321	11.87		9	0.2					

December 21 2020 Hour: 6:5 19.5 Lat: 36.88N Lon: 8.78W Depth: 29F 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	48	13	EP		6 5	28.13	-.080							1.0
MORF	HN	48	13	ES		6 5	34.630	.080							1.0
MORF	HE	48	13	IAML		6 5	35.84		10	0.2					

December 21 2020 Hour: 10:40 5.8 Lat: 39.73N Lon: 1.55W Depth: 6F 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
MORF	HZ	675	249	EP		1041	33.740	.010							1.0

December 21 2020 Hour: 12:51 24.4 Lat: 36.76N Lon: 8.24W Depth: 27F 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	71	329	EP		1251	35.93	-.080							1.0
MORF	HN	71	329	ES		1251	44.540	.060							1.0
MORF	HN	71	329	IAML		1251	46.23		31	0.1					
MESJ	HE	120	1	ES		1251	55.380	.020							1.0

December 21 2020 Hour: 13:32 47.9 Lat: 36.50N Lon: 11.27W Depth: 30F 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	68	EP		1333	21.870	.150							1.0
MORF	HN	250	68	ES		1333	46.36	-.090							1.0
MORF	HE	250	68	IAML		1333	48.62		7	0.3					
MESJ	HN	309	60	ES		1333	59.06	-.060							1.0

December 21 2020 Hour: 22:35 18.2 Lat: 39.71N Lon: 1.54W 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
MORF	HZ	675	249	EP		2236	46.820	.010							1.0

December 22 2020 Hour: 0:53 59.5 Lat: 36.55N Lon: 11.25W Depth: 31F Agency: IGL Regional
Magnitudes: 1.6ML 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	246	69	EP		054	32.100	.010							1.0
MORF	HE	246	69	ES		054	55.90	-.010							1.0
MORF	HN	246	69	IAML		054	56.62		4	0.1					

December 23 2020 Hour: 11:32 49.4 Lat: 39.14N Lon: 0.60W 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
MORF	HZ	734	256	EP		1134	24.94	-.000							1.0

December 23 2020 Hour: 12:48 53.5 Lat: 37.33N Lon: 8.57W Depth: 12F Agency: IGL Regional
Magnitudes: 1.7ML 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	8	249	EP		1248	55.88	-.060							1.0
MORF	HE	8	249	ES		1248	57.760	.080							1.0
MORF	HE	8	249	IAML		1248	58.62			342	0.1				
MESJ	HN	64	29	ES		1249	11.59	-.020							1.0

December 23 2020 Hour: 14:58 23.7 Lat: 38.41N Lon: 22.00E Depth: 2F Agency: IGL Distant
Rms: 0.0 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2639	278	EP		15	3	37.370	.010						1.0

December 23 2020 Hour: 18:11 47.9 Lat: 6.26N Lon: 133.64E Depth: 11F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.1 secs

PALAU REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13747	325	EPP			1832	26.650	.090							1.0
GGNV	BZ13747	325	IAMs_20			1936	41.61			3542	19.2				
MESJ	BZ13755	324	EPKp \bar{d} f			1830	45.200	.020							1.0
MESJ	BZ13755	324	EPP			1832	27.040	.000							1.0
MORF	BZ13823	324	EPKp \bar{d} f			1830	46.40	-.010							1.0
MORF	BZ13823	324	EPP			1832	31.13	-.100							1.0
MORF	BZ13823	324	IAMs_20			1935	19.06			4493	21.8				

December 24 2020 Hour: 1:13 43.4 Lat: 37.33N Lon: 8.55W Depth: 11F 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	10	253	EP		113	45.70	-.070							1.0
MORF	HE	10	253	ES		113	47.600	.070							1.0
MORF	HE	10	253	IAML		113	48.08			49	0.1				

December 24 2020 Hour: 17:46 55.2 Lat: 37.68N Lon: 9.08W Depth: 8F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	56	138	EP		1747	4.510	.090							1.0
MORF	HN	56	138	ES		1747	11.12	-.000							1.0
MORF	HE	56	138	IAML		1747	11.58			9	0.2				
MESJ	HN	78	77	ES		1747	16.99	-.090							1.0

December 24 2020 Hour: 22: 5 30.3 Lat: 36.58N Lon: 7.95W Depth: 25F Agency: IGL Regional
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	102	322	EP		22	5	46.12	-.050						1.0
MESJ	HE	142	350	ES		22	6	6.300	.050						1.0

December 24 2020 Hour: 22:29 22.7 Lat: 38.44N Lon: 7.69W Depth: 2F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

W REGUENGOS DE MONSARAZ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	81	215	EP		2229	35.82	-.040							1.0
MESJ	HN	81	215	ES		2229	45.35	-.080							1.0
MORF	HZ	152	214	EP		2229	46.990	.090							1.0
MORF	HN	152	214	ES		2230	4.570	.030							1.0
MORF	HN	152	214	IAML		2230	6.16			7	0.3				

December 24 2020 Hour: 23:43 41.0 Lat: 13.82N Lon: 120.66E Depth:109F Agency: IGL Distant
Rms: 0.1 secs

MINDORO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12214	319	EPdif			2357	56.770	.020							1.0
MESJ	BZ12214	319	EPP			24 2	31.99	-.070							1.0
GGNV	BZ12220	320	EPP			24 2	32.530	.100							1.0
MORF	BZ12280	319	EPdif			2357	59.37	-.070							1.0
MORF	BZ12280	319	EPP			24 2	36.420	.020							1.0

December 25 2020 Hour: 1:55.3 Lat: 37.16N Lon: 8.57W Depth: 23F Agency: IGL Regional
Magnitudes: 0.4ML 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	18	335	EP		1 5	59.58	-.020							1.0
MORF	HE	18	335	ES		1 6	2.730	.020							1.0
MORF	HN	18	335	IAML		1 6	3.55			5	0.3				

December 25 2020 Hour: 2:54 3.6 Lat: 36.69N Lon: 9.75W Depth: 17F Agency: IGL Regional
Magnitudes: 1.1ML 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	119	55	EP		254	22.270	.040							1.0
MORF	HN	119	55	ES		254	35.78	-.040							1.0
MORF	HN	119	55	IAML		254	36.75			3	0.2				

December 25 2020 Hour: 20:39 34.2 Lat: 36.54N Lon: 9.58W Depth: 19F Agency: IGL Regional
Magnitudes: 1.2ML 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	118	44	EP		2039	52.53	-.050							1.0
MORF	HN	118	44	ES		2040	6.040	.050							1.0
MORF	HN	118	44	IAML		2040	6.83			5	0.2				

December 25 2020 Hour: 20:51 17.7 Lat: 36.94N Lon: 10.91W Depth: 26F Agency: IGL Regional
Magnitudes: 1.6ML 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	205	78	EP		2051	46.17	-.020							1.0
MORF	HE	205	78	ES		2052	7.040	.020							1.0
MORF	HE	205	78	IAML		2052	7.73			5	0.1				

December 26 2020 Hour: 4:11 40.4 Lat: 36.60N Lon: 9.80W Depth: 10F Agency: IGL Regional
Magnitudes: 1.2ML 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	129	52	EP		412	0.64	-.030							1.0
MORF	HE	129	52	ES		412	15.520	.030							1.0
MORF	HE	129	52	IAML		412	16.81			4	0.1				

December 26 2020 Hour: 4:47 56.0 Lat: 36.54N Lon: 7.58W Depth: 32F Agency: IGL Regional
Magnitudes: 2.1ML 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	128	312	EP		448	14.51	-.160							1.0
MORF	HN	128	312	ES		448	28.28	-.000							1.0
MORF	HN	128	312	IAML		448	29.68		30	0.2					
MESJ	HZ	155	339	EP		448	18.140	.130							1.0
MESJ	HE	155	339	ES		448	34.110	.030							1.0

December 26 2020 Hour: 14: 4 13.9 Lat: 35.70N Lon: 4.61W Depth: 74F Agency: IGL Regional
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	400	307	EP		14 5	5.880	.090							1.0
MORF	HZ	403	297	EP		14 5	6.11	-.090							1.0

December 27 2020 Hour: 7:11 10.6 Lat: 16.03S Lon: 74.34W Depth: 34F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 secs

NEAR COAST OF SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9055	47	EP		723	24.050	.010							1.0
MORF	BZ	9055	47	IAMs_20		756	42.55		3147	19.8					
GGNV	BZ	9090	46	EP		723	25.55	-.040							1.0
GGNV	BZ	9090	46	IAMs_20		756	42.02		3010	11.7					
MESJ	BZ	9117	47	EP		723	26.930	.040							1.0

December 27 2020 Hour: 13:55 20.8 Lat: 19.06S Lon: 69.40W Depth:109FAgency: IGL Distant
Magnitudes: 5.3Mb 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	8909	45	EP		14 7	18.710	.040							1.0
MORF	BZ	8909	45	IAMB		14 7	23.84		41	0.9					
MESJ	BZ	8973	45	EP		14 7	21.66	-.040							1.0

December 27 2020 Hour: 18: 8 22.0 Lat: 36.86N Lon: 8.59W Depth: 20F Agency: IGL Regional
Magnitudes: 0.5ML 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	50	354	EP		18 8	30.460	.050							1.0
MORF	HE	50	354	ES		18 8	36.52	-.050							1.0
MORF	HE	50	354	IAML		18 8	37.34		3	0.1					

December 27 2020 Hour: 21:39 14.9 Lat: 39.34S Lon: 74.99W Depth: 10F Agency: IGL Distant
Magnitudes: 6.6Ms IGL Rms: 0.1 secs

OFF COAST OF LOS LAGOS, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10854	47	EP			2152	49.480	.140							1.0
MORF	BZ10854	47	EPP			2156	46.99	-.120							1.0
MORF	BZ10854	47	IAMs_20			2233	5.42		25641	25.5					
MESJ	BZ10922	47	EP			2152	52.02	-.010							1.0
MESJ	BZ10922	47	EPP			2156	51.72	-.090							1.0
MESJ	BN10922	47	ESS			2211	4.78	-.070							1.0
GGNV	BZ10932	46	EP			2152	52.480	.140							1.0
GGNV	BZ10932	46	EPP			2156	52.450	.020							1.0
GGNV	BE10932	46	IAMs_20			2226	54.42		26824	33.9					

December 28 2020 Hour: 11:03.7 Lat: 36.94N Lon: 3.82W Depth: 7F 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	403	286	EP		11	1	28.50	-.000						1.0

December 28 2020 Hour: 11:32.10.4 Lat: 36.64N Lon: 7.82W Depth: 3F Agency: IGL Regional
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	105	315	EP		1132		27.26	-.040						1.0
MESJ	HN	138	345	ES		1132		48.620	.040						1.0

December 29 2020 Hour: 6:00.1 Lat: 37.42N Lon: 7.94W Depth: 7F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

SE ALMODOVAR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	53	332	EP		6	0	8.710	.010						1.0
MESJ	HE	53	332	ES		6	0	14.93	-.030						1.0
MORF	HZ	64	259	EP		6	0	10.580	.000						1.0
MORF	HE	64	259	ES		6	0	18.230	.020						1.0
MORF	HN	64	259	IAML		6	0	19.86			11	0.1			

December 29 2020 Hour: 10:25.55.9 Lat: 36.10N Lon: 10.78W Depth: 36F Agency: IGL Regional
Magnitudes: 2.1ML 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	232	54	EP		1026		27.50	-.010						1.0
MORF	HE	232	54	ES		1026		50.650	.040						1.0
MORF	HE	232	54	IAML		1026		51.91			13	0.2			
MESJ	HZ	299	49	EP		1026		35.68	-.030						1.0

December 29 2020 Hour: 11:19.54.6 Lat: 45.46N Lon: 16.31E Depth: 10F Agency: IGL Distant
Magnitudes: 6.8Ms IGL Rms: 0.1 secs

CROATIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2200	256	EP		1124		25.110	.020						1.0
MESJ	BN	2200	256	ES		1128		9.140	.100						1.0
GGNV	BZ	2224	259	EP		1124		27.380	.000						1.0
GGNV	BN	2224	259	ES		1128		13.350	.090						1.0
GGNV	BN	2224	259	IAMs_20		1132		36.73			380000	11.3			
MORF	BZ	2264	255	EP		1124		31.26	-.080						1.0
MORF	BN	2264	255	ES		1128		20.37	-.150						1.0
MORF	BN	2264	255	IAMs_20		1134		11.86			196000	14.0			

December 29 2020 Hour: 13:19.45.6 Lat: 38.02N Lon: 8.26W Depth: 1 Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

SW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	20	170	EP		1319		48.880	.010						1.0
MESJ	HN	20	170	ES		1319		51.360	.080						1.0
MORF	HZ	87	204	EP		1319		59.690	.130						1.0
MORF	HE	87	204	ES		1320		9.54	-.230						1.0
MORF	HN	87	204	IAML		1320		10.98			11	0.2			

December 30 2020 Hour: 21:19.12.5 Lat: 37.41N Lon: 9.00W Depth: 30F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	33	111	EP		2119		19.37	-.010						1.0
MORF	HE	33	111	ES		2119		24.400	.010						1.0
MORF	HE	33	111	IAML		2119		25.07			16	0.1			

December 31 2020 Hour: 7:39 13.8 Lat: 37.22N Lon: 7.91W Depth: 8F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 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	67	278	EP		739	24.640	.020							1.0
MORF	HE	67	278	ES		739	32.50-	.020							1.0
MORF	HE	67	278	IAML		739	33.84			4	0.1				
MESJ	HN	74	338	ES		739	34.580	.000							1.0

December 31 2020 Hour: 9:47 55.4 Lat: 37.17N Lon: 8.72W Depth: 10F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.0 secs

NW LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	22	EP		947	58.500	.010							1.0
MORF	HN	16	22	ES		948	0.74-	.010							1.0
MORF	HN	16	22	IAML		948	1.22			5	0.1				

December 31 2020 Hour: 11:31 36.2 Lat: 36.65N Lon: 9.78W Depth: 15F Agency: IGL Regional
Magnitudes: 1.5ML 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	124	54	EP		1131	55.560	.010							1.0
MORF	HN	124	54	ES		1132	9.69-	.010							1.0
MORF	HE	124	54	IAML		1132	12.43			8	0.2				

December 31 2020 Hour: 23:4 37.2 Lat: 37.32N Lon: 8.43W Depth: 19F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.2 secs

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	20	265	EP		23 4	41.31-	.310							1.0
MORF	HE	20	265	ES		23 4	44.900	.080							1.0
MORF	HN	20	265	IAML		23 4	45.99			235	0.2				
MESJ	HZ	61	18	EP		23 4	47.440	.240							1.0
MESJ	HN	61	18	ES		23 4	54.490	.000							1.0