

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

November to December

2021

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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 2021 Hour: 6:30 16.8 Lat: 38.53N Lon: 9.66W Depth: 30F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

SW CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	49	65	EP		630	25.610	.010							1.0
GGNV	HE	49	65	ES		630	32.010	.010							1.0
GGNV	HE	49	65	IAML		630	32.72			47	0.1				
MESJ	HZ	148	121	EP		630	38.010	.030							1.0
MESJ	HE	148	121	ES		630	53.37-	.050							1.0
MESJ	HN	148	121	IAML		630	55.56			3	0.1				

November 1 2021 Hour: 17: 4 17.9 Lat: 0.20N Lon: 96.72E Depth: 15F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.1 secs

NIAS REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BE11316	309	ESKSac			1728	48.480	.110							1.0
MESJ	BE11316	309	ESS			1736	53.89-	.110							1.0
MESJ	BZ11316	309	IAMs_20			18 4	4.03			1278	17.4				

November 2 2021 Hour: 16:43 52.7 Lat: 6.91S Lon: 130.50E Depth: 89F Agency: IGL Distant
Rms: 0.1 secs

BANDA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14647	316	EP			17 2	54.800	.170							1.0
MESJ	BZ14647	316	EPP			17 5	15.21-	.000							1.0
GGNV	BZ14670	317	EPP			17 5	16.32-	.170							1.0

November 3 2021 Hour: 2:24 40.6 Lat: 36.45N Lon: 11.21W Depth: 32F 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
MESJ	HZ	307	59	EP		225	21.560	.020							1.0
MESJ	HE	307	59	ES		225	51.37-	.020							1.0
MESJ	HE	307	59	IAML		225	53.46			2	0.1				

November 3 2021 Hour: 3:17 48.6 Lat: 32.70S Lon: 70.05W Depth: 99F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

VALPARAISO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10094	44	EP			330	40.430	.120							1.0
MESJ	BZ10094	44	IAMB			330	42.62			127	1.9				
MESJ	BE10094	44	ES			341	2.28-	.120							1.0

November 3 2021 Hour: 13:52 31.2 Lat: 34.99N Lon: 8.79W Depth: 26F 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	257	3	EP		1353	6.08-	.170							1.0
MORF	HE	257	3	ES		1353	31.82-	.010							1.0
MORF	HN	257	3	IAML		1353	33.07			198	0.2				
MESJ	HZ	320	9	EP		1353	14.170	.100							1.0
MESJ	HE	320	9	ES		1353	45.450	.090							1.0
MESJ	HN	320	9	IAML		1353	47.69			54	0.1				

November 3 2021 Hour: 20:52 41.2 Lat: 36.20N Lon: 8.56W Depth: 11F 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	356	EP		2053	0.570	.000							1.0
MORF	HE	123	356	ES		2053	14.800	.100							1.0
MORF	HN	123	356	IAML		2053	18.35			452	0.3				
MESJ	HZ	184	9	EP		2053	8.34-	.110							1.0

November 4 2021 Hour: 4:47 44.7 Lat: 35.50N Lon: 4.53W Depth: 18F Agency: IGL Regional
Magnitudes: 2.6ML 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	420	309	EP		448	40.630	.030							1.0
MESJ	HN	420	309	ES		449	21.470	.080							1.0
MESJ	HN	420	309	IAML		449	23.66			13	0.1				
MORF	HZ	421	300	EP		448	40.61-	.110							1.0

November 4 2021 Hour: 5:18 46.1 Lat: 39.20N Lon: 10.38W Depth: 33F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	241	128	EP		519	16.57-	.030							1.0
MESJ	HE	241	128	ES		519	39.060	.160							1.0
MESJ	HN	241	128	IAML		519	39.38			2	0.1				
MORF	HZ	259	144	EP		519	18.52-	.290							1.0
MORF	HE	259	144	ES		519	42.870	.160							1.0
MORF	HE	259	144	IAML		519	44.49			3	0.1				

November 4 2021 Hour: 8:57 6.8 Lat: 52.70N Lon: 167.98W Depth: 36F Agency: IGL Distant
Magnitudes: 5.6Mb 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
MESJ	BZ	9790	16	EP		9 9	53.11-	.070							1.0
MESJ	BZ	9790	16	IAMB		9 9	54.63			35	1.1				
MORF	BZ	9840	16	EP		9 9	55.440	.070							1.0
MORF	BZ	9840	16	IAMB		9 9	56.54			44	0.9				

November 4 2021 Hour: 22:10 5.9 Lat: 36.87N Lon: 9.01W Depth: 11F Agency: IGL Regional
Magnitudes: 0.4ML 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	58	33	EP		2210	15.23-	.140							1.0
MORF	HE	58	33	ES		2210	22.390	.090							1.0
MORF	HE	58	33	IAML		2210	22.75			3	0.1				
MESJ	HN	128	33	ES		2210	40.850	.060							1.0
MESJ	HE	128	33	IAML		2210	41.93			0.40	0.1				

November 4 2021 Hour: 22:21 7.6 Lat: 38.81N Lon: 7.93W Depth: 10F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NE ARRAIOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	111	193	EP		2221	25.240	.110							1.0
MESJ	HN	111	193	ES		2221	37.84-	.110							1.0
MESJ	HN	111	193	IAML		2221	38.32			7	0.2				

November 5 2021 Hour: 16:39 5.6 Lat: 37.23N Lon: 8.59W Depth: 20F Agency: IGL Regional
Magnitudes: 0.4ML 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	10	326	EP		1639	9.10-	.050							1.0
MORF	HN	10	326	ES		1639	11.820	.050							1.0
MORF	HN	10	326	IAML		1639	12.73			8	0.1				

November 6 2021 Hour: 0:1 6.7 Lat: 36.30N Lon: 8.06W Depth: 34F Agency: IGL Regional
Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	123	335	EP		0 1	24.64-	.130							1.0
MESJ	HZ	171	355	EP		0 1	30.840	.130							1.0

November 7 2021 Hour: 4:45 50.0 Lat: 35.47N Lon: 3.66W Depth: 1 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	485	304	EP		446	55.490	.000							1.0

November 8 2021 Hour: 2:22 21.6 Lat: 37.12N Lon: 7.94W Depth: 19F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

SW 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	288	EP		222	32.460	.010							1.0
MORF	HE	67	288	ES		222	40.37-	.010							1.0
MORF	HE	67	288	IAML		222	41.55		2	0.1					

November 8 2021 Hour: 8:24 49.9 Lat: 36.96N Lon: 8.26W Depth: 13F 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	52	318	EP		824	58.610	.150							1.0
MORF	HE	52	318	ES		825	4.65-	.050							1.0
MORF	HE	52	318	IAML		825	6.14		16	0.1					
MESJ	HE	98	2	ES		825	16.60-	.100							1.0
MESJ	HE	98	2	IAML		825	18.29		2	0.1					

November 8 2021 Hour: 17:43 21.1 Lat: 37.87N Lon: 32.12E Depth: 5F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

CENTRAL TURKEY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3522	283	EP		1749	45.480	.000							1.0
MESJ	BZ	3522	283	IAMB		1749	47.00		19	1.0					

November 9 2021 Hour: 2:53 48.0 Lat: 11.10N Lon: 86.70W Depth: 17F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

NEAR COAST OF NICARAGUA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8177	53	EP		3 5	19.66-	.060							1.0
GGNV	BZ	8177	53	IAMs_20		333	33.29		5762	24.0					
MORF	BZ	8224	54	EP		3 5	22.29-	.020							1.0
MORF	BZ	8224	54	IAMs_20		336	10.32		5714	18.4					
MESJ	BZ	8261	54	EP		3 5	24.250	.080							1.0
MESJ	BZ	8261	54	IAMs_20		336	34.43		7770	10.7					

November 9 2021 Hour: 5:25 59.8 Lat: 36.82N Lon: 11.06W Depth: 31F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	221	75	EP		526	29.340	.060							1.0
MORF	HE	221	75	ES		526	50.78-	.040							1.0
MORF	HE	221	75	IAML		526	53.17		70	0.2					
MESJ	HZ	276	65	EP		526	36.10-	.000							1.0
MESJ	HN	276	65	ES		527	2.61-	.010							1.0
MESJ	HN	276	65	IAML		527	9.33		16	0.1					

November 9 2021 Hour: 6:25 17.5 Lat: 11.30N Lon: 86.53W Depth: 49F Agency: IGL Distant
Rms: 0.1 secs

NEAR COAST OF NICARAGUA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8149	53	EP		636	43.460	.010							1.0
GGNV	BE	8149	53	ES		646	8.780	.230							0.9
MORF	BZ	8196	54	EP		636	46.06-	.000							1.0
MESJ	BZ	8232	54	EP		636	47.81-	.110							1.0
MESJ	BE	8232	54	ES		646	17.03-	.090							1.0

November 9 2021 Hour: 18: 8 54.9 Lat: 36.46N Lon: 9.93W Depth: 28F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	147	50	EP		18 9	16.09	-.080							1.0
MORF	HN	147	50	ES		18 9	31.790	.080							1.0
MORF	HN	147	50	IAML		18 9	32.67			6	0.1				

November 10 2021 Hour: 0: 6 27.7 Lat: 36.77N Lon: 7.15W Depth: 15F 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	146	294	EPn		0 6	50.000	.140							1.0
MORF	HZ	146	294	EPg		0 6	50.52	-.030							1.0
MORF	HE	146	294	ES		0 7	6.050	.000							1.0
MORF	HE	146	294	IAML		0 7	7.61			14	0.2				
MESJ	HZ	152	322	EPg		0 6	51.16	-.240							1.0
MESJ	HN	152	322	ES		0 7	7.340	.130							1.0
MESJ	HE	152	322	IAML		0 7	8.69			2	0.1				

November 10 2021 Hour: 0:21 20.3 Lat: 37.21N Lon: 9.08W Depth: 27F Agency: IGL Regional
Magnitudes: 0.2ML 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	39	74	EP		021	27.760	.080							1.0
MORF	HE	39	74	ES		021	33.00	-.080							1.0
MORF	HE	39	74	IAML		021	33.95			2	0.1				

November 10 2021 Hour: 14:25 45.9 Lat: 35.19N Lon: 5.72W Depth: 26F Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	370	323	EP		1426	34.86	-0.00							1.0

November 11 2021 Hour: 3: 0 5.9 Lat: 38.95N Lon: 8.46W Depth: 1 Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

E CORUCHE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	125	170	EP		3 0	26.060	.010							1.0
MESJ	HE	125	170	ES		3 0	40.920	.140							1.0
MESJ	HE	125	170	IAML		3 0	41.82			0.70	0.0				
MORF	HZ	183	185	EPg		3 0	35.31	-.160							1.0

November 11 2021 Hour: 4:27 16.5 Lat: 38.70N Lon: 8.67W Depth: 8F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

W VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	103	157	EP		427	32.97	-.060							1.0
MESJ	HE	103	157	ES		427	45.170	.060							1.0
MESJ	HE	103	157	IAML		427	45.93			3	0.2				

November 11 2021 Hour: 19: 2 36.0 Lat: 36.47N Lon: 9.66W 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	129	44	EP		19 2	56.04	-.050							1.0
MESJ	HZ	199	40	EP		19 3	4.57	-.140							1.0
MESJ	HE	199	40	ES		19 3	25.890	.200							1.0
MESJ	HN	199	40	IAML		19 3	27.08			0.90	0.1				

November 12 2021 Hour: 0:34 16.8 Lat: 26.53S Lon: 13.69W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

SOUTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7146	5	EP		044	51.93	-.000							1.0
MESJ	BZ	7146	5	IAMB		044	59.44			74	1.6				

November 12 2021 Hour: 3:35 22.2 Lat: 36.70N Lon: 9.68W Depth: 21F 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	53	EP		335	39.750	.020							1.0
MORF	HE	113	53	ES		335	52.620	.060							1.0
MORF	HN	113	53	IAML		335	53.16			3	0.2				
MESJ	HZ	181	45	EP		335	48.02	-.080							1.0

November 12 2021 Hour: 4:22 3.4 Lat: 36.55N Lon: 7.56W 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	155	338	EP		422	26.15	-.000							1.0

November 12 2021 Hour: 4:25 15.7 Lat: 37.13N Lon: 7.42W Depth: 13F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

S VILA REAL DE SANTO ANTONIO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	106	318	EP		425	32.31	-.130							1.0
MORF	HZ	111	280	EP		425	33.25	-.000							1.0
MORF	HN	111	280	ES		425	46.180	.130							1.0
MORF	HE	111	280	IAML		425	48.07			37	0.1				

November 12 2021 Hour: 9:20 3.7 Lat: 35.47N Lon: 3.65W Depth: 5F 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	486	304	EP		921	9.000	.150							1.0
MORF	HZ	493	296	EP		921	9.56	-.150							1.0

November 12 2021 Hour: 13:25 17.6 Lat: 36.53N Lon: 9.70W 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	127	47	EP		1325	37.26	-.040							1.0
MORF	HN	127	47	ES		1325	51.720	.060							1.0
MORF	HN	127	47	IAML		1325	52.60			6	0.1				
MESJ	HZ	196	42	EP		1325	45.73	-.120							1.0
MESJ	HN	196	42	ES		1326	6.560	.110							1.0
MESJ	HN	196	42	IAML		1326	7.57			2	0.1				

November 12 2021 Hour: 16:9 43.2 Lat: 36.43N Lon: 7.77W Depth: 29F 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	125	321	EP		1610	1.49	-.170							1.0
MORF	HN	125	321	ES		1610	15.240	.120							1.0
MORF	HN	125	321	IAML		1610	16.11			36	0.1				
MESJ	HZ	161	346	EP		1610	6.220	.050							1.0

November 13 2021 Hour: 5: 6 35.4 Lat: 37.32N Lon: 8.52W Depth: 10F Agency: IGL Regional
Magnitudes: 0.8ML 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	12	262	EP		5 6	37.81	-.190							1.0
MORF	HN	12	262	ES		5 6	40.000	.130							1.0
MORF	HE	12	262	IAML		5 6	40.24			40	0.2				
MESJ	HZ	63	25	EP		5 6	45.870	.070							1.0

November 14 2021 Hour: 3:51 30.7 Lat: 35.48N Lon: 3.66W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	484	304	EP		352	36.130	.000							1.0

November 14 2021 Hour: 4:47 53.8 Lat: 35.48N Lon: 3.54W Depth: 17F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	493	303	EP		448	58.57	-.000							1.0
MESJ	HN	493	303	ES		449	45.870	.000							1.0

November 14 2021 Hour: 4:48 28.2 Lat: 35.49N 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	473	305	EP		449	31.940	.040							1.0
MORF	HZ	479	296	EP		449	32.63	-.040							1.0

November 14 2021 Hour: 4:53 20.4 Lat: 35.43N Lon: 3.66W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML 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	487	305	EP		454	26.270	.020							1.0
MESJ	HN	487	305	ES		455	14.480	.180							1.0
MESJ	HN	487	305	IAML		455	21.55			23	0.3				
MORF	HZ	494	296	EP		454	26.85	-.200							1.0

November 14 2021 Hour: 6:29 17.8 Lat: 35.45N Lon: 3.67W Depth: 3F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	486	304	EP		630	23.080	.000							1.0

November 14 2021 Hour: 12: 7 3.1 Lat: 27.72N Lon: 56.07E Depth: 6F Agency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.1 secs

SOUTHERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6012	298	EP		1216	28.24	-.080							1.0
MESJ	BZ	6012	298	IAmb		1216	30.35			307	1.9				
MESJ	BN	6012	298	ES		1224	5.960	.100							1.0
MORF	BZ	6060	298	EP		1216	31.42	-.080							1.0
MORF	BZ	6060	298	IAmb		1216	34.02			133	1.4				
GGNV	BZ	6077	299	EP		1216	32.580	.070							1.0
GGNV	BZ	6077	299	IAmb		1216	34.44			295	1.2				

November 14 2021 Hour: 12: 8 37.9 Lat: 27.74N Lon: 56.08E Depth: 10F Agency: IGL Distant
Magnitudes: 6.2Mb IGL Rms: 0.1 secs

SOUTHERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6012	298	EP		1218	2.49	-.000							1.0
MESJ	BZ	6012	298	IAmb		1218	7.18			187	1.2				
MORF	BZ	6060	298	EP		1218	5.57	-.110							1.0

MORF BZ	6060	298	I Amb	1218	10.92				388	1.8									
GGNV BZ	6076	299	EP	1218	6.790	.110													1.0
GGNV BZ	6076	299	I Amb	1218	10.42				670	1.3									

November 15 2021 Hour: 1:12 59.6 Lat: 35.47N Lon: 3.64W Depth: 14F Agency: IGL Regional Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	487	304	EP		114	3.85	-.000							1.0

November 15 2021 Hour: 15:37 55.2 Lat: 37.30N Lon: 8.56W Depth: 10F Agency: IGL Regional Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	8	273	EP		1537	57.22	-.150							1.0
MORF HN	8	273	ES		1537	59.090	.150							1.0
MORF HN	8	273	IAML		1537	59.45			34	0.1				

November 15 2021 Hour: 20:58 9.4 Lat: 35.46N Lon: 3.65W Depth: 10F Agency: IGL Regional Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	487	304	EP		2059	14.08	-.020							1.0
MORF HZ	493	296	EP		2059	14.980	.020							1.0

November 16 2021 Hour: 7:25 36.3 Lat: 35.42N Lon: 3.57W Depth: 24F Agency: IGL Regional Rms: 0.0 secs

STRAIT OF GIBRALTAR Nt: MAD

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	495	304	EP		726	40.68	-.000							1.0

November 17 2021 Hour: 4:19 5.1 Lat: 36.58N Lon: 9.58W Depth: 15F Agency: IGL Regional Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	115	46	EP		419	23.500	.220							1.0
MORF HE	115	46	ES		419	36.32	-.230							1.0
MORF HE	115	46	IAML		419	37.46			20	0.2				
MESJ HZ	185	40	EP		419	32.00	-.030							1.0
MESJ HE	185	40	ES		419	51.720	.040							1.0
MESJ HE	185	40	IAML		419	53.18			3	0.1				

November 17 2021 Hour: 16:34 14.4 Lat: 36.85N Lon: 8.55W Depth: 17F Agency: IGL Regional Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	51	350	EP		1634	22.86	-.120							1.0
MORF HN	51	350	ES		1634	29.21	-.020							1.0
MORF HE	51	350	IAML		1634	30.14			21	0.1				
MESJ HE	114	15	ES		1634	45.570	.150							1.0
MESJ HN	114	15	IAML		1634	46.65			3	0.1				

November 17 2021 Hour: 16:37 31.1 Lat: 36.10N Lon: 3.13W Depth: 3F 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	493	295	EP		1638	37.380	.140							1.0
MORF HZ	511	287	EP		1638	39.39	-.150							1.0

November 17 2021 Hour: 20:49 5.1 Lat: 35.13N Lon: 9.29W Depth: 30F Agency: IGL Regional
Magnitudes: 1.7ML 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	248	13	EP		2049	38.66	-.040							1.0
MORF	HE	248	13	ES		2050	3.290	.030							1.0
MORF	HE	248	13	IAML		2050	3.48		5	0.1					
MESJ	HZ	316	17	EP		2049	47.06	-.010							1.0
MESJ	HE	316	17	ES		2050	17.760	.020							1.0
MESJ	HE	316	17	IAML		2050	19.17		2	0.1					

November 17 2021 Hour: 21:38 53.5 Lat: 26.33S Lon: 63.34W Depth: 570F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

SANTIAGO DEL ESTERO, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9069	41	EP		2150	12.190	.070							1.0
MESJ	BZ	9137	41	EP		2150	15.10	-.070							1.0
MESJ	BZ	9137	41	IAMB		2150	16.02		138	1.4					

November 18 2021 Hour: 1:23 1.4 Lat: 35.48N Lon: 3.68W Depth: 0 Agency: IGL Regional
Magnitudes: 2.3ML 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	483	304	EP		124	6.47	-.120							1.0
MESJ	HN	483	304	ES		124	54.340	.120							1.0
MESJ	HN	483	304	IAML		124	55.78		5	0.3					

November 18 2021 Hour: 6:18 8.9 Lat: 36.95N Lon: 13.53W Depth: 0 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	435	83	EP		619	3.86	-.010							1.0
MORF	HE	435	83	ES		619	44.060	.090							1.0
MORF	HN	435	83	IAML		619	44.73		9	0.1					
MESJ	HZ	480	77	EP		619	9.29	-.080							1.0

November 18 2021 Hour: 7: 5 56.4 Lat: 35.42N Lon: 3.57W Depth: 30F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	495	304	EP		7 7	0.38	-.000							1.0

November 18 2021 Hour: 14: 8 3.6 Lat: 5.29S Lon: 153.71E Depth: 55F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.1 secs

NEW IRELAND REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15949	337	EPKP			1427	31.050	.020							1.0
GGNV	BZ15949	337	IAMs_20			1538	10.24		11075	35.8					
MESJ	BZ15991	336	EPKP			1427	31.64	-.090							1.0
MESJ	BZ15991	336	IAMs_20			1524	38.53		6886	27.0					
MORF	BZ16062	336	EPKP			1427	32.940	.060							1.0
MORF	BZ16062	336	IAMs_20			1524	6.62		9257	33.1					

November 19 2021 Hour: 7:33 6.2 Lat: 36.59N Lon: 7.32W Depth: 17F Agency: IGL Regional
Magnitudes: 1.0ML 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	160	330	EP		733	29.870	.000							1.0
MESJ	HN	160	330	ES		733	47.15	-.000							1.0
MESJ	HN	160	330	IAML		733	48.23		2	0.1					

November 19 2021 Hour: 20:58 45.5 Lat: 35.51N Lon: 3.66W Depth: 12F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	482	304	EP		2059	49.470	.000							1.0

November 19 2021 Hour: 21:32 37.5 Lat: 37.33N Lon: 8.53W Depth: 8F 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	11	255	EP		2132	39.56	-.190							1.0
MORF	HN	11	255	ES		2132	41.560	.150							1.0
MORF	HN	11	255	IAML		2132	41.91			40	0.1				
MESJ	HZ	63	26	EP		2132	47.790	.100							1.0
MESJ	HE	63	26	ES		2132	55.09	-.060							1.0
MESJ	HN	63	26	IAML		2132	55.62			1	0.1				

November 20 2021 Hour: 2:51 6.8 Lat: 37.08N Lon: 8.86W Depth: 19F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.2 secs

E VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	31	36	EP		251	12.39	-.220							1.0
MORF	HE	31	36	ES		251	17.010	.190							1.0
MORF	HE	31	36	IAML		251	17.21			13	0.1				
MESJ	HZ	102	34	EP		251	22.970	.030							1.0

November 20 2021 Hour: 10:57 53.6 Lat: 15.61S Lon: 167.60E Depth: 128F Agency: IGL Distant
Rms: 0.0 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17535	351	EPKP			1118	7.140	.030							1.0
MESJ	BZ17535	351	EPP			1121	46.690	.020							1.0
MORF	BZ17600	352	EPKP			1118	9.66	-.050							1.0

November 20 2021 Hour: 15:41 23.3 Lat: 35.44N Lon: 3.64W Depth: 8F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	488	304	EP		1542	28.430	.000							1.0

November 20 2021 Hour: 18:43 28.0 Lat: 40.23N Lon: 18.72W Depth: 18F Agency: IGL Regional
Magnitudes: 2.8ML 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	933	107	EP		1845	25.170	.030							1.0
MORF	HE	933	107	ES		1846	50.700	.060							1.0
MORF	HE	933	107	IAML		1846	54.42			6	0.2				
MESJ	HZ	946	103	EP		1845	26.63	-.100							1.0

November 20 2021 Hour: 21:47 46.7 Lat: 35.24N Lon: 6.02W Depth: 41F Agency: IGL Regional
Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	329	315	EP		2148	27.80	-.280							1.0
MESJ	HZ	349	326	EP		2148	30.770	.290							1.0

November 21 2021 Hour: 1:49 35.0 Lat: 38.05N Lon: 8.21W Depth: 2F Agency: IGL Regional
Rms: 0.0 secs

W FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	23	182	EP		149	38.830	.010							1.0
MESJ	HN	23	182	ES		149	41.57	-.010							1.0
MESJ	HN	23	182	IAML		149	41.73			3	0.1				

November 21 2021 Hour: 5:7 29.8 Lat: 37.22N Lon: 7.68W Depth: 12F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NW TAVIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	84	325	EP		5 7	43.260	.090							1.0
MESJ	HE	84	325	ES		5 7	52.83	-.090							1.0
MESJ	HN	84	325	IAML		5 7	54.79			1	0.1				

November 21 2021 Hour: 5:12 28.6 Lat: 29.40S Lon: 176.88W Depth: 10F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.0 secs

KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18490	44	EPKp _{df}			532	33.34	-.030							1.0
GGNV	BZ18490	44	IAMs_20			647	16.33			1463	15.4				
MESJ	BZ18615	45	EPKp _{df}			532	34.330	.060							1.0
MESJ	BZ18615	45	IAMs_20			645	1.98			2134	17.6				
MORF	BZ18620	48	EPKp _{df}			532	34.33	-.030							1.0
MORF	BZ18620	48	IAMs_20			646	28.82			2317	27.2				

November 21 2021 Hour: 7:7 6.9 Lat: 36.58N Lon: 11.41W Depth: 31F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	259	71	EP		7 7	41.02	-.060							1.0
MESJ	HZ	316	63	EP		7 7	48.370	.200							1.0
MESJ	HE	316	63	ES		7 8	18.18	-.140							1.0
MESJ	HN	316	63	IAML		7 8	19.37			5	0.2				

November 21 2021 Hour: 12:12 52.9 Lat: 36.81N Lon: 8.06W Depth: 20F Agency: IGL Regional
Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	76	316	EP		1213	5.300	.030							1.0
MESJ	HZ	115	353	EP		1213	10.75	-.030							1.0

November 21 2021 Hour: 16:39 54.9 Lat: 36.83N Lon: 9.70W Depth: 13F Agency: IGL Regional
Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	107	60	EP		1640	11.820	.000							1.0

November 22 2021 Hour: 0:13 44.5 Lat: 36.89N Lon: 8.61W Depth: 25F Agency: IGL Regional
Magnitudes: 0.4ML 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	46	355	EP		013	52.55	-.110							1.0
MORF	HN	46	355	ES		013	58.740	.110							1.0
MORF	HN	46	355	IAML		013	59.49			2	0.1				

November 22 2021 Hour: 22:25 29.7 Lat: 36.60N Lon: 11.19W Depth: 31F 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	239	70	EP		2226	1.40	-.020							1.0
MORF	HN	239	70	ES		2226	24.680	.080							1.0
MORF	HN	239	70	IAML		2226	26.62			5	0.2				
MESJ	HZ	297	62	EP		2226	8.55	-.070							1.0

November 22 2021 Hour: 23:34 53.0 Lat: 38.08N Lon: 8.28W Depth: 1 Agency: IGL Regional
Magnitudes: 0.3ML IGL 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	169	EP		2334	57.36	-.050							1.0
MESJ	HE	27	169	ES		2335	0.680	.050							1.0
MESJ	HN	27	169	IAML		2335	0.93			5	0.1				

November 23 2021 Hour: 4:57 23.0 Lat: 35.28N Lon: 3.59W Depth: 31F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	503	306	EP		458	27.050	.000							1.0

November 24 2021 Hour: 6:59 35.6 Lat: 37.55N Lon: 4.19W Depth: 9F Agency: IGL Regional
Magnitudes: 2.9ML 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	357	276	EP		7	0	24.31	-.140						1.0
MORF	HN	396	267	ES		7	1	8.740	.150						1.0
MORF	HN	396	267	IAML		7	1	11.08		29	0.3				

November 25 2021 Hour: 4:22 18.5 Lat: 35.92N Lon: 8.74W 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	154	3	EP		422	40.20	-.160							1.0
MORF	HE	154	3	ES		422	56.28	-.060							1.0
MORF	HN	154	3	IAML		422	57.21			166	0.1				
MESJ	HZ	218	12	EP		422	48.300	.000							1.0
MESJ	HE	218	12	ES		423	10.300	.230							1.0
MESJ	HN	218	12	IAML		423	11.52			40	0.2				

November 25 2021 Hour: 11: 5 43.6 Lat: 37.30N Lon: 8.53W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML 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	11	273	EP		11	5	46.22	-.180						1.0
MORF	HN	11	273	ES		11	5	48.600	.160						1.0
MORF	HE	11	273	IAML		11	5	49.26		47	0.1				
MESJ	HZ	66	24	EP		11	5	54.24	-.020						1.0
MESJ	HN	66	24	ES		11	6	2.080	.040						1.0
MESJ	HN	66	24	IAML		11	6	3.16		3	0.1				

November 25 2021 Hour: 12: 5 38.7 Lat: 38.13N Lon: 8.12W Depth: 1 Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

N 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	195	EP		12	5	44.01	-.050						1.0
MESJ	HN	33	195	ES		12	5	48.060	.050						1.0
MESJ	HN	33	195	IAML		12	5	48.49		27	0.3				

November 25 2021 Hour: 12: 4 10.3 Lat: 10.75S Lon: 166.48E Depth: 40F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.0 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16905	353	EPKp \bar{d} f			1223	53.58	-.010							1.0
GGNV	BZ16905	353	IAMs_20			1325	26.51			9620	19.6				
MESJ	BZ16987	351	EPKp \bar{d} f			1223	54.750	.050							1.0
MESJ	BN16987	351	IAMs_20			1330	6.95			3823	18.7				
MORF	BZ17052	351	EPKp \bar{d} f			1223	55.58	-.040							1.0
MORF	BE17052	351	IAMs_20			1331	48.92			4669	14.7				

November 25 2021 Hour: 23:14 41.8 Lat: 31.43N Lon: 7.73W Depth: 4F 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	657	353	EP		2316	7.77	-.090							1.0
MESJ	HZ	713	357	EP		2316	14.590	.090							1.0

November 25 2021 Hour: 23:45 41.6 Lat: 22.81N Lon: 93.52E Depth: 43F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.1 secs

MYANMAR - INDIA BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9460	309	EP		2358	12.74	-.070							1.0
MESJ	BZ	9460	309	IAMB		2358	22.38			135	1.4				
GGNV	BZ	9492	310	EP		2358	14.220	.000							1.0
MORF	BZ	9520	309	EP		2358	15.620	.070							1.0
MORF	BZ	9520	309	IAMB		2358	26.84			163	1.6				

November 26 2021 Hour: 1:6 3.7 Lat: 39.05N Lon: 7.70W Depth: 16F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

W FRONTEIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	142	199	EPn		1 6	25.220	.040							1.0
MESJ	HN	142	199	ESg		1 6	42.060	.020							1.0
MESJ	HN	142	199	IAML		1 6	43.16			47	0.2				
MORF	HZ	211	204	EPn		1 6	33.58	-.220							1.0
MORF	HE	211	204	ESg		1 7	0.340	.150							1.0
MORF	HN	211	204	IAML		1 7	4.99			62	0.3				

November 26 2021 Hour: 2:0 49.4 Lat: 36.63N Lon: 4.48W Depth: 91F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	358	293	EP		2 1	36.300	.020							1.0
MORF	HZ	379	283	EP		2 1	38.75	-.020							1.0

November 26 2021 Hour: 9:46 39.8 Lat: 36.73N Lon: 9.69W Depth: 15F 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	112	55	EP		946	57.570	.050							1.0
MESJ	HZ	179	46	EP		947	5.91	-.160							1.0
MESJ	HE	179	46	ES		947	25.330	.100							1.0
MESJ	HN	179	46	IAML		947	28.08			7	0.1				

November 26 2021 Hour: 12:55 10.4 Lat: 35.97N Lon: 10.63W Depth: 13F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	231	49	EP		1255	43.450	.220							1.0
MESJ	HZ	299	45	EP		1255	51.35	-.290							1.0
MESJ	HE	299	45	ES		1256	21.790	.050							1.0
MESJ	HN	299	45	IAML		1256	22.73			2	0.1				

November 26 2021 Hour: 13:14 49.4 Lat: 37.89N Lon: 9.30W Depth: 5F 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	87	138	EP		1315	3.470	.050							1.0
MESJ	HZ	95	93	EP		1315	4.76	-.050							1.0

November 26 2021 Hour: 16:46 15.6 Lat: 36.42N Lon: 7.93W Depth: 22F 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	117	327	EP		1646	33.57	-.040							1.0
MORF	HN	117	327	ES		1646	46.69	-.050							1.0
MORF	HN	117	327	IAML		1646	47.38			267	0.2				
MESJ	HZ	160	351	EP		1646	39.020	.190							1.0
MESJ	HN	160	351	ES		1646	55.66	-.100							1.0
MESJ	HN	160	351	IAML		1646	56.54			326	0.1				

November 26 2021 Hour: 22:48 34.0 Lat: 35.49N Lon: 3.64W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	485	304	EP		2249	39.600	.000							1.0

November 26 2021 Hour: 23:43 8.7 Lat: 35.48N Lon: 3.67W Depth: 0 Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	484	304	EP		2344	14.02	-.080							1.0
MESJ	HE	484	304	ES		2345	1.980	.160							1.0
MESJ	HE	484	304	IAML		2345	4.11			11	0.1				
MORF	HE	491	296	ES		2345	3.25	-.090							1.0
MORF	HN	491	296	IAML		2345	9.94			32	0.3				

November 27 2021 Hour: 7:53 25.8 Lat: 38.75N Lon: 8.44W Depth: 1 Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

NE VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	103	169	EP		753	42.21	-.160							1.0
MESJ	HE	103	169	ES		753	54.640	.160							1.0
MESJ	HE	103	169	IAML		753	56.05			2	0.1				

November 27 2021 Hour: 10:49 20.6 Lat: 36.59N Lon: 9.76W Depth: 13F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	127	51	EP		1049	40.49	-.020							1.0
MORF	HE	127	51	ES		1049	55.170	.150							1.0
MORF	HN	127	51	IAML		1049	56.28			9	0.1				
MESJ	HZ	195	44	EP		1049	48.83	-.150							1.0
MESJ	HN	195	44	ES		1050	9.670	.010							1.0
MESJ	HE	195	44	IAML		1050	10.85			0.70	0.0				

November 27 2021 Hour: 18:48 8.8 Lat: 7.02S Lon: 155.92E Depth: 68F Agency: IGL Distant
Rms: 0.1 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16264	337	EP	KPab		19 7	41.85	-.070							1.0
MORF	BZ16335	337	EP	KPab		19 7	44.530	.070							1.0

November 27 2021 Hour: 18:57 13.6 Lat: 37.75N Lon: 7.07W Depth: 2F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

NE MINAS DE S.DOMINGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	102	276	EP		1857	30.050	.070							1.0
MESJ	HE	102	276	ES		1857	41.89	-.070							1.0
MESJ	HN	102	276	IAML		1857	44.17			13	0.1				

November 28 2021 Hour: 0:36 58.8 Lat: 36.41N Lon: 8.44W Depth: 21F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	160	7	EP		037	22.240	.150							1.0
MESJ	HN	160	7	ES		037	38.96-	.150							1.0
MESJ	HN	160	7	IAML		037	39.63			3	0.1				

November 28 2021 Hour: 10:52 13.2 Lat: 4.49S Lon: 76.85W Depth: 113F Agency: IGL Distant
Magnitudes: 7.1Ms IGL Rms: 0.1 secs

NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8418	50	EP		11 3	45.97-	.170							1.0
MORF	BN	8418	50	ES		1113	18.810	.040							1.0
MORF	BZ	8418	50	IAMs_20		1128	18.49			261000	47.9				
GGNV	BZ	8423	48	EP		11 3	46.340	.000							1.0
GGNV	BN	8423	48	ES		1113	19.270	.100							1.0
GGNV	BZ	8423	48	IAMs_20		1128	21.92			228000	52.5				
MESJ	BZ	8472	49	EP		11 3	48.75-	.090							1.0
MESJ	BN	8472	49	ES		1113	24.110	.110							1.0
MESJ	BZ	8472	49	IAMs_20		1128	5.94			146000	36.5				

November 28 2021 Hour: 16: 3 9.4 Lat: 39.31N Lon: 13.97W Depth: 25F Agency: IGL Regional
Magnitudes: 3.0ML 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	515	114	EP		16 4	13.41-	.070							1.0
MORF	HN	515	114	ES		16 5	0.380	.110							1.0
MORF	HN	515	114	IAML		16 5	4.30			27	0.2				
MESJ	HZ	527	106	EP		16 4	14.79-	.040							1.0

November 28 2021 Hour: 19:47 32.9 Lat: 36.59N Lon: 4.59W Depth: 60F 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	351	294	EP		1948	18.82-	.080							1.0
MESJ	HE	351	294	ES		1948	52.550	.080							1.0
MESJ	HN	351	294	IAML		1948	54.91			120	0.3				

November 29 2021 Hour: 2:35 10.1 Lat: 37.39N Lon: 9.12W Depth: 30F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	103	EP		235	18.100	.010							1.0
MORF	HE	43	103	ES		235	23.77-	.150							1.0
MORF	HN	43	103	IAML		235	24.63			59	0.1				
MESJ	HZ	94	58	EP		235	24.48-	.080							1.0
MESJ	HE	94	58	ES		235	35.350	.230							1.0
MESJ	HE	94	58	IAML		235	38.33			2	0.1				

November 29 2021 Hour: 7:53 4.8 Lat: 35.63N Lon: 3.54W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	484	302	EP		754	10.250	.000							1.0

November 29 2021 Hour: 8:34 47.1 Lat: 35.53N Lon: 3.55W Depth: 11F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	498	295	EP		835	53.050	.000							1.0

November 29 2021 Hour: 12:40 43.6 Lat: 31.18N Lon: 142.49E Depth: 6F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

IZU ISLANDS, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11746	337	EP	dif		1254	54.360	.070							1.0
GGNV	BZ11746	337	EPP			1259	16.580	.040							1.0
GGNV	BZ11746	337	IAMs	_20		1351	6.10		21346	19.5					
MESJ	BZ11799	336	EP	dif		1254	56.43	-.000							1.0
MESJ	BZ11799	336	EPP			1259	20.00	-.090							1.0
MESJ	BZ11799	336	IAMs	_20		1345	6.63		12749	22.2					
MORF	BZ11870	336	EP	dif		1254	59.23	-.050							1.0
MORF	BZ11870	336	EPP			1259	24.810	.030							1.0
MORF	BZ11870	336	IAMs	_20		1343	32.94		14109	22.8					

November 29 2021 Hour: 20:33 31.3 Lat: 4.24N Lon: 76.35W Depth: 119F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

COLOMBIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7813	51	EP		2044	31.360	.000							1.0
MESJ	BZ	7813	51	IAMB		2044	31.82		31	1.2					

November 29 2021 Hour: 20:34 17.0 Lat: 36.31N Lon: 8.23W Depth: 16F Agency: IGL Regional
Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	341	EP		2034	35.35	-.030							1.0
MESJ	HZ	170	0	EP		2034	42.000	.030							1.0

November 30 2021 Hour: 4:39 43.2 Lat: 38.03N Lon: 8.51W Depth: 2F Agency: IGL Regional
Rms: 0.1 secs

SE GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	33	130	EP		439	48.52	-.070							1.0
MESJ	HN	33	130	ES		439	52.560	.070							1.0

November 30 2021 Hour: 10:40 34.7 Lat: 37.63N Lon: 9.24W Depth: 27F Agency: IGL Regional
Magnitudes: 1.7ML 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	63	125	EP		1040	45.12	-.150							1.0
MORF	HE	63	125	ES		1040	53.060	.070							1.0
MORF	HN	63	125	IAML		1040	54.94		66	0.1					
MESJ	HN	93	75	ES		1040	59.930	.080							1.0
MESJ	HN	93	75	IAML		1041	4.27		10	0.1					

November 30 2021 Hour: 13:53 41.5 Lat: 31.78N Lon: 87.94E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

WESTERN XIZANG Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8414	306	EP		14	5	27.120	.020						1.0
MESJ	BZ	8414	306	IAMB		14	5	28.76		63	1.4				
MORF	BZ	8476	305	EP		14	5	30.34	-.020						1.0
MORF	BZ	8476	305	IAMB		14	5	33.03		152	2.2				

November 30 2021 Hour: 18:54 15.8 Lat: 36.64N Lon: 9.59W Depth: 18F 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	111	48	EP		1854	33.370	.020							1.0
MORF	HE	111	48	ES		1854	46.220	.040							1.0
MORF	HN	111	48	IAML		1854	46.86		7	0.1					
MESJ	HZ	180	42	EP		1854	41.74	-.150							1.0
MESJ	HN	180	42	ES		1855	1.040	.090							1.0

MESJ HN 180 42 IAML 1855 2.14 0.90 0.1

**November 30 2021 Hour: 22:35 54.8 Lat: 36.50N Lon: 8.07W Depth: 15F 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	103	330	EP		2236	11.220	.040							1.0
MORF	HE	103	330	ES		2236	23.05-	.070							1.0
MORF	HE	103	330	IAML		2236	23.50		4	0.1					
MESJ	HZ	149	355	EP		2236	17.430	.090							1.0
MESJ	HN	149	355	ES		2236	33.72-	.060							1.0
MESJ	HN	149	355	IAML		2236	34.42		0.60	0.1					

**December 1 2021 Hour: 4: 2 35.4 Lat: 36.90N Lon: 7.35W Depth: 10F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	124	292	EP		4 2	54.87-	.150							1.0
MORF	HN	124	292	ES		4 3	9.24-	.110							1.0
MORF	HE	124	292	IAML		4 3	11.03		2	0.1					
MESJ	HZ	130	324	EP		4 2	55.860	.020							1.0
MESJ	HE	130	324	ES		4 3	10.990	.240							1.0
MESJ	HN	130	324	IAML		4 3	11.28		1	0.1					

**December 1 2021 Hour: 10:31 55.3 Lat: 35.76N Lon: 10.49W Depth: 10F Agency: IGL Regional
Magnitudes: 2.2ML 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
MESJ	HZ	307	41	EP		1032	37.82-	.100							1.0
MESJ	HE	307	41	ES		1033	9.110	.100							1.0
MESJ	HN	307	41	IAML		1033	12.66		10	0.2					

**December 1 2021 Hour: 18:44 47.3 Lat: 37.26N Lon: 8.87W Depth: 20F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs**

SW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	20	76	EP		1844	51.64-	.130							1.0
MORF	HN	20	76	ES		1844	55.03-	.030							1.0
MORF	HN	20	76	IAML		1844	55.75		4	0.1					
MESJ	HZ	86	42	EP		1845	1.120	.020							1.0
MESJ	HE	86	42	ES		1845	11.350	.150							1.0
MESJ	HE	86	42	IAML		1845	12.43		0.90	0.1					

**December 1 2021 Hour: 20: 0 42.0 Lat: 36.16N Lon: 11.06W Depth: 22F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.2 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	59	EP		20 1	16.810	.360							1.0
MORF	HN	250	59	ES		20 1	41.650	.070							1.0
MORF	HN	250	59	IAML		20 1	43.17		21	0.1					
MESJ	HZ	314	53	EP		20 1	24.24-	.170							1.0
MESJ	HE	314	53	ES		20 1	55.07-	.280							1.0
MESJ	HN	314	53	IAML		20 1	57.90		6	0.1					

**December 2 2021 Hour: 0: 7 13.0 Lat: 36.69N Lon: 8.57W Depth: 24F 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	69	354	EP		0 7	24.420	.190							1.0
MESJ	HZ	131	14	EP		0 7	32.35-	.140							1.0
MESJ	HN	131	14	ES		0 7	46.68-	.060							1.0
MESJ	HN	131	14	IAML		0 7	47.91		3	0.1					

December 2 2021 Hour: 2:10 53.8 Lat: 35.44N Lon: 3.61W Depth: 16F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	491	304	EP		211	58.37	-.030							1.0
MORF	HZ	497	296	EP		211	59.300	.030							1.0

December 2 2021 Hour: 18:38 16.9 Lat: 36.60N Lon: 10.63W Depth: 33F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.2 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	193	65	EP		1838	43.50	-.160							1.0
MORF	HN	193	65	ES		1839	3.06	-.100							1.0
MORF	HN	193	65	IAML		1839	3.62			3	0.1				
MESJ	HN	254	57	ES		1839	16.630	.280							1.0
MESJ	HE	254	57	IAML		1839	19.28			2	0.1				

December 2 2021 Hour: 23:44 33.3 Lat: 37.72N Lon: 8.34W Depth: 17F Agency: IGL Regional
Magnitudes: 0.4ML 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	17	39	EP		2344	37.05	-.080							1.0
MESJ	HN	17	39	ES		2344	40.000	.080							1.0
MESJ	HE	17	39	IAML		2344	40.24			7	0.1				

December 3 2021 Hour: 2:52 16.0 Lat: 37.05N Lon: 8.50W Depth: 21F 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	31	334	EP		252	21.73	-.210							1.0
MORF	HE	31	334	ES		252	26.330	.030							1.0
MORF	HN	31	334	IAML		252	26.56			10	0.1				
MESJ	HZ	91	16	EP		252	30.670	.190							1.0
MESJ	HN	91	16	ES		252	41.06	-.010							1.0
MESJ	HN	91	16	IAML		252	42.16			3	0.1				

December 3 2021 Hour: 3:28 49.0 Lat: 35.64N Lon: 4.62W Depth: 60F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	404	308	EP		329	41.30	-.040							1.0
MESJ	HE	404	308	ES		330	19.690	.140							1.0
MESJ	HN	404	308	IAML		330	21.76			3	0.1				
MORF	HZ	406	298	EP		329	41.55	-.100							1.0

December 3 2021 Hour: 4:16 44.9 Lat: 37.65N Lon: 8.65W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

N ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	38	180	EP		416	51.41	-.010							1.0
MORF	HN	38	180	ES		416	56.17	-.010							1.0
MORF	HN	38	180	IAML		416	56.86			19	0.1				
MESJ	HZ	43	61	EP		416	52.09	-.060							1.0
MESJ	HE	43	61	ES		416	57.530	.080							1.0
MESJ	HN	43	61	IAML		416	58.11			4	0.1				

December 3 2021 Hour: 5:55 32.7 Lat: 37.11N Lon: 8.21W Depth: 16F Agency: IGL Regional
Rms: 0.1 secs

NE ALBUFEIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	45	299	EP		555	40.10	-.160							1.0
MORF	HN	45	299	ES		555	45.940	.160							1.0
MORF	HN	45	299	IAML		555	46.09			1.00	0.1				

December 3 2021 Hour: 6:26 43.1 Lat: 36.59N Lon: 7.51W Depth: 23F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	308	EP		627	2.64	-.030							1.0
MORF	HN	129	308	ES		627	17.030	.030							1.0
MORF	HN	129	308	IAML		627	18.54			16	0.1				

December 3 2021 Hour: 6:27 54.2 Lat: 35.99N Lon: 9.90W Depth: 18F 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	184	37	EP		628	20.60	-.150							1.0
MORF	HN	184	37	ES		628	40.240	.110							1.0
MORF	HN	184	37	IAML		628	40.36			1	0.1				
MESJ	HZ	254	36	EP		628	29.500	.040							1.0

December 3 2021 Hour: 12:11 54.1 Lat: 35.91N Lon: 10.22W Depth: 28F 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	209	42	EP		1212	22.97	-.060							1.0
MORF	HE	209	42	ES		1212	44.06	-.080							1.0
MORF	HN	209	42	IAML		1212	44.97			88	0.2				
MESJ	HZ	279	39	EP		1212	31.57	-.100							1.0
MESJ	HN	279	39	ES		1212	59.340	.250							1.0
MESJ	HN	279	39	IAML		1213	1.51			30	0.2				

December 3 2021 Hour: 23:46 54.4 Lat: 36.71N Lon: 7.55W Depth: 19F 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	118	304	EP		2347	12.57	-.140							1.0
MORF	HE	118	304	ES		2347	26.250	.140							1.0
MORF	HE	118	304	IAML		2347	26.69			16	0.2				

December 4 2021 Hour: 1:4 21.3 Lat: 36.72N Lon: 7.53W Depth: 24F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	119	303	EP		1 4	39.14	-.170							1.0
MORF	HE	119	303	ES		1 4	52.640	.170							1.0
MORF	HE	119	303	IAML		1 4	53.61			12	0.1				

December 4 2021 Hour: 3:40 37.6 Lat: 37.32N Lon: 8.63W Depth: 16F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

W MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	229	EP		340	40.330	.020							1.0
MORF	HN	3	229	ES		340	42.24	-.020							1.0
MORF	HE	3	229	IAML		340	42.80			43	0.1				

December 4 2021 Hour: 21:10 2.9 Lat: 35.50N Lon: 3.70W Depth: 17F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	487	296	EP		2111	7.010	.000							1.0

December 4 2021 Hour: 21:14 42.7 Lat: 35.47N Lon: 3.72W Depth: 14F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	487	296	EP		2115	47.11	-.000							1.0

December 5 2021 Hour: 12:14 34.9 Lat: 36.65N Lon: 8.51W Depth: 23F 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	74	350	EP		1214	46.86	-.060							1.0
MORF	HN	74	350	ES		1214	55.72	0.060							1.0
MORF	HN	74	350	IAML		1214	56.24		11	0.1					

December 6 2021 Hour: 6:30 49.2 Lat: 2.82S Lon: 77.12W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.0 secs

PERU-ECUADOR BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8322	50	EP		642	29.78	-.000							1.0
MORF	HZ	8322	50	IAMB		642	30.37		117	1.6					

December 6 2021 Hour: 11:47 46.4 Lat: 36.58N Lon: 9.74W Depth: 14F 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	126	50	EP		1148	6.05	-.080							1.0
MORF	HN	126	50	ES		1148	20.61	0.080							1.0
MORF	HN	126	50	IAML		1148	21.21		15	0.1					

December 7 2021 Hour: 15: 6 54.0 Lat: 37.71N Lon: 19.19W Depth: 33F Agency: IGL Regional
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	932	90	EP		15 8	49.27	-.000							1.0

December 8 2021 Hour: 17:28 0.5 Lat: 37.11N Lon: 7.98W Depth: 11F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

SE LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	64	290	EP		1728	10.65	-.200							1.0
MORF	HE	64	290	ES		1728	18.39	-.030							1.0
MORF	HE	64	290	IAML		1728	19.67		41	0.1					
MESJ	HZ	84	345	EP		1728	13.93	0.030							1.0
MESJ	HE	84	345	ES		1728	23.89	0.200							1.0
MESJ	HE	84	345	IAML		1728	24.92		12	0.1					

December 8 2021 Hour: 21:49 49.5 Lat: 36.47N Lon: 7.51W 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	165	338	EP		2150	13.52	-.000							1.0

December 8 2021 Hour: 22:58 10.5 Lat: 38.20N Lon: 8.27W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML 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	40	174	EP		2258	16.89	-.080							1.0
MESJ	HN	40	174	ES		2258	21.58	-.130							1.0
MESJ	HN	40	174	IAML		2258	23.34		122	0.1					
MORF	HZ	105	199	EP		2258	27.63	0.220							1.0

December 9 2021 Hour: 7:237.6 Lat: 36.06N Lon: 10.59W Depth: 7F 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	221	51	EP		7 3	9.85	-.010							1.0
MORF	HN	221	51	ES		7 3	33.550	.120							1.0
MORF	HN	221	51	IAML		7 3	35.25		34	0.2					
MESJ	HZ	289	46	EP		7 3	18.04	-.180							1.0
MESJ	HE	289	46	ES		7 3	47.950	.050							1.0
MESJ	HE	289	46	IAML		7 3	49.98		6	0.1					

December 9 2021 Hour: 12:56 42.2 Lat: 36.05N Lon: 10.38W Depth: 6F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	208	47	EP		1257	12.92	-.030							1.0
MORF	HE	208	47	ES		1257	35.480	.120							1.0
MORF	HN	208	47	IAML		1257	36.12		4	0.1					
MESJ	HZ	277	43	EP		1257	21.21	-.230							1.0
MESJ	HN	277	43	ES		1257	50.180	.130							1.0
MESJ	HE	277	43	IAML		1257	51.67		2	0.1					

December 9 2021 Hour: 22:10 20.6 Lat: 36.35N Lon: 9.84W Depth: 32F Agency: IGL Regional
Magnitudes: 1.6ML 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	150	45	EP		2210	41.92	-.020							1.0
MORF	HN	150	45	ES		2210	57.650	.100							1.0
MORF	HE	150	45	IAML		2210	58.24		11	0.1					
MESJ	HZ	219	41	EP		2210	50.47	-.060							1.0
MESJ	HN	219	41	ES		2211	12.40	-.020							1.0
MESJ	HN	219	41	IAML		2211	13.32		3	0.2					

December 9 2021 Hour: 23:4 25.1 Lat: 36.52N Lon: 7.26W Depth: 24F 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
MESJ	HZ	169	330	EP		23 4	49.510	.140							1.0
MESJ	HE	169	330	ES		23 5	6.93	-.140							1.0
MESJ	HN	169	330	IAML		23 5	8.76		12	0.3					

December 10 2021 Hour: 18:22 54.2 Lat: 36.70N Lon: 11.56W Depth: 24F Agency: IGL Regional
Magnitudes: 1.7ML 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	267	75	EP		1823	30.700	.020							1.0
MORF	HN	267	75	ES		1823	57.29	-.000							1.0
MORF	HN	267	75	IAML		1823	58.08		4	0.0					
MESJ	HZ	322	66	EP		1823	37.44	-.020							1.0

December 11 2021 Hour: 14:54 19.4 Lat: 29.55S Lon: 71.20W Depth: 53F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.0 secs

COQUIMBO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9923	45	EP		15 7	9.35	-.000							1.0
MESJ	BZ	9923	45	IAMB		15 7	10.69		132	1.9					

December 12 2021 Hour: 1: 4 56.7 Lat: 37.28N Lon: 8.46W Depth: 20F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.2 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	17	279	EP		1 5	0.63	-.330							1.0
MORF	HE	17	279	ES		1 5	4.220	.180							1.0
MORF	HN	17	279	IAML		1 5	4.82			53	0.1				
MESJ	HZ	66	19	EP		1 5	7.740	.260							1.0
MESJ	HN	66	19	ES		1 5	15.24	-.100							1.0
MESJ	HN	66	19	IAML		1 5	15.98			8	0.1				

December 12 2021 Hour: 19:43 51.6 Lat: 35.81N Lon: 8.79W Depth: 25F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	166	4	EP		1944	15.36	-.120							1.0
MESJ	HZ	231	12	EP		1944	23.44	-.030							1.0
MESJ	HN	231	12	ES		1944	46.870	.160							1.0
MESJ	HN	231	12	IAML		1944	48.60			3	0.2				

December 13 2021 Hour: 7: 3 8.1 Lat: 15.55N Lon: 92.04W Depth:180F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8410	55	EP		714	33.180	.090							1.0
MORF	BZ	8410	55	IAMB		714	33.61			20	0.7				
MESJ	BZ	8439	54	EP		714	34.42	-.090							1.0
MESJ	BZ	8439	54	IAMB		714	35.09			18	0.5				

December 13 2021 Hour: 11:47 59.0 Lat: 35.49N Lon: 3.73W Depth: 0 Agency: IGL Regional
Magnitudes: 0.0Ms IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	479	304	EP		1149	3.780	.000							1.0

December 14 2021 Hour: 3:20 24.0 Lat: 7.63S Lon: 122.23E Depth: 16F Agency: IGL Distant
Magnitudes: 7.7Ms IGL Rms: 0.1 secs

FLORES SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14041	312	EPP			341	19.54	-.060							1.0
MESJ	BZ14041	312	IAMs_20			431	19.02			167000	28.2				
GGNV	BZ14081	313	EPP			341	22.030	.090							1.0
GGNV	BN14081	313	IAMs_20			432	11.70			230000	22.2				
MORF	BZ14098	311	EPP			341	23.02	-.030							1.0
MORF	BZ14098	311	IAMs_20			436	40.91			172000	25.1				

December 14 2021 Hour: 20:31 8.0 Lat: 36.45N Lon: 7.75W Depth: 15F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	160	345	EP		2031	31.84	-.010							1.0
MESJ	HN	160	345	ES		2031	49.250	.010							1.0
MESJ	HN	160	345	IAML		2031	49.82			1	0.1				

December 15 2021 Hour: 4: 5 29.3 Lat: 38.85N Lon: 7.81W Depth: 1 Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

SW SOUSEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	118	198	EP		4 5	48.26	-.010							1.0
MESJ	HN	118	198	ES		4 6	2.150	.010							1.0
MESJ	HE	118	198	IAML		4 6	3.81			3	0.1				

December 15 2021 Hour: 5:24 37.6 Lat: 35.51N Lon: 3.66W Depth: 15F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	483	304	EP		525	41.29	-.000							1.0

December 15 2021 Hour: 18:21 28.2 Lat: 36.74N Lon: 8.10W Depth: 21F 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	80	322	EP		1821	41.05	-.060							1.0
MESJ	HZ	122	355	EP		1821	46.95	0.070							1.0
MESJ	HN	122	355	ES		1822	0.50	-.010							1.0
MESJ	HE	122	355	IAML		1822	2.53			2	0.1				

December 15 2021 Hour: 22:42 39.1 Lat: 36.40N Lon: 4.54W Depth: 75F Agency: IGL Regional
Magnitudes: 3.5ML 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	364	297	EP		2243	26.67	-.030							1.0
MESJ	HE	364	297	ES		2244	1.47	0.010							1.0
MESJ	HN	364	297	IAML		2244	3.50			110	0.2				
MORF	HZ	380	287	EP		2243	28.63	-.020							1.0
MORF	HN	380	287	ES		2244	4.88	0.040							1.0
MORF	HN	380	287	IAML		2244	7.30			200	0.3				

December 16 2021 Hour: 0:30 26.0 Lat: 35.93N Lon: 9.81W Depth: 42F 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	184	34	EP		030	51.72	0.010							1.0
MORF	HE	184	34	ES		031	10.38	-.110							1.0
MORF	HE	184	34	IAML		031	11.97			16	0.1				
MESJ	HZ	255	33	EP		031	0.42	-.010							1.0
MESJ	HE	255	33	ES		031	25.69	0.110							1.0
MESJ	HN	255	33	IAML		031	29.20			3	0.2				

December 16 2021 Hour: 7: 7 45.4 Lat: 35.32N Lon: 8.95W 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	222	7	EP		7 8	16.35	0.000							1.0
MORF	HE	222	7	ES		7 8	38.94	-.000							1.0
MORF	HN	222	7	IAML		7 8	39.22			4	0.1				

December 16 2021 Hour: 17:25 24.3 Lat: 36.48N Lon: 8.95W Depth: 1F 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	95	16	EP		1725	39.60	-.110							1.0
MORF	HN	95	16	ES		1725	51.03	0.110							1.0
MORF	HN	95	16	IAML		1725	53.25			46	0.2				

December 16 2021 Hour: 21:28 11.7 Lat: 35.53N Lon: 3.77W Depth: 9F 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	473	304	EP		2129	14.84	0.000							1.0

December 17 2021 Hour: 9:16 51.0 Lat: 35.38N Lon: 3.63W Depth: 10F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	493	305	EP		917	56.440	.000							1.0

December 17 2021 Hour: 10:19 55.7 Lat: 37.31N Lon: 8.54W Depth: 12F Agency: IGL Regional
Magnitudes: 0.8ML 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	10	266	EP		1019	58.07	-.240							1.0
MORF	HE	10	266	ES		1020	0.320	.120							1.0
MORF	HN	10	266	IAML		1020	0.83			38	0.2				
MESJ	HZ	65	26	EP		1020	6.410	.130							1.0

December 17 2021 Hour: 16:28 44.3 Lat: 37.31N Lon: 8.56W Depth: 13F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.2 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	266	EP		1628	46.60	-.240							1.0
MORF	HN	8	266	ES		1628	48.870	.170							1.0
MORF	HE	8	266	IAML		1628	49.59			31	0.1				
MESJ	HZ	66	27	EP		1628	55.050	.080							1.0

December 17 2021 Hour: 20: 2 26.3 Lat: 17.81S Lon: 178.39W Depth: 522F 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
MESJ	BZ17612	21	EPKP			2021	22.77	-.060							1.0
MORF	BZ17648	23	EPKP			2021	23.330	.060							1.0

December 18 2021 Hour: 4:27 50.8 Lat: 38.78N Lon: 7.96W Depth: 7F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NE ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	107	192	EP		428	8.030	.140							1.0
MESJ	HN	107	192	ES		428	20.27	-.140							1.0
MESJ	HN	107	192	IAML		428	21.31			2	0.2				

December 18 2021 Hour: 4:33 19.4 Lat: 35.47N Lon: 3.63W Depth: 6F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	488	304	EP		434	24.59	-.010							1.0

December 18 2021 Hour: 5:16 38.9 Lat: 36.07N Lon: 23.24E Depth: 62F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

SOUTHERN GREECE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2796	283	EP		521	58.18	-.000							1.0
MESJ	BZ	2796	283	IAMB		521	59.62			32	0.6				

December 18 2021 Hour: 16:28 13.4 Lat: 35.91N Lon: 8.71W Depth: 31F 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	155	2	EP		1628	34.57	-.150							1.0
MORF	HN	155	2	ES		1628	50.440	.190							1.0
MORF	HE	155	2	IAML		1628	51.71			16	0.1				
MESJ	HZ	219	11	EP		1628	42.55	-.050							1.0

December 19 2021 Hour: 7:51 28.2 Lat: 35.51N Lon: 3.56W Depth: 15F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	490	303	EP		752	32.830	.000							1.0

December 20 2021 Hour: 2:42 56.6 Lat: 35.46N Lon: 3.62W Depth: 14F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	489	304	EP		244	1.19-	.000							1.0

December 20 2021 Hour: 3:39 35.1 Lat: 56.85S Lon: 24.09W Depth: 10F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10517	12	EP			352	55.23-	.130							1.0
MORF	BZ10517	12	IAMs_20			433	33.18		4981	8.6					
MESJ	BZ10581	13	EP			352	58.060	.130							1.0
MESJ	BZ10581	13	IAMs_20			432	38.85		4005	15.3					

December 20 2021 Hour: 18: 2 37.4 Lat: 39.39N Lon: 11.50W Depth: 52F Agency: IGL Regional
Magnitudes: 2.4ML 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
MESJ	HZ	333	120	EP		18 3	21.20-	.030							1.0
MESJ	HN	333	120	ES		18 3	53.240	.030							1.0
MESJ	HN	333	120	IAML		18 3	54.36		12	0.2					

December 20 2021 Hour: 21:39 6.9 Lat: 35.46N Lon: 3.70W Depth: 1 Agency: IGL Regional
Magnitudes: 3.1ML 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	482	304	EP		2140	12.060	.090							1.0
MESJ	HN	482	304	ES		2140	59.38-	.090							1.0
MESJ	HN	482	304	IAML		2141	1.62		40	0.3					

December 21 2021 Hour: 0:31 58.4 Lat: 35.13N Lon: 3.91W Depth: 1 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	490	309	EP		033	4.360	.020							1.0
MESJ	HE	490	309	ES		033	52.46-	.020							1.0
MESJ	HE	490	309	IAML		033	54.27		7	0.2					

December 21 2021 Hour: 0:38 49.4 Lat: 35.45N Lon: 3.66W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	486	304	EP		039	55.02-	.010							1.0
MESJ	HN	486	304	ES		040	42.980	.010							1.0
MESJ	HN	486	304	IAML		040	45.53		22	0.3					

December 21 2021 Hour: 0:44 39.4 Lat: 35.46N Lon: 3.70W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	483	305	EP		045	44.680	.000							1.0

December 21 2021 Hour: 0:58 42.5 Lat: 35.47N Lon: 3.65W Depth: 1 Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	486	304	EP		059	47.980	.060							1.0
MESJ	HE	486	304	ES		1 0	35.66-	.060							1.0
MESJ	HN	486	304	IAML		1 0	37.65			20	0.3				

December 21 2021 Hour: 9: 2 55.7 Lat: 35.44N Lon: 3.59W Depth: 17F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	492	304	EP		9 4	0.390	.000							1.0

December 21 2021 Hour: 12:49 3.4 Lat: 33.27N Lon: 13.05W Depth: 21F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	670	39	EP		1250	26.04-	.340							1.0
MESJ	HE	670	39	ES		1251	27.280	.340							1.0
MESJ	HN	670	39	IAML		1251	27.86			16	0.2				

December 21 2021 Hour: 18: 2 3.0 Lat: 38.45N Lon: 7.91W Depth: 12F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

S EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	73	202	EP		18 2	14.880	.130							1.0
MESJ	HN	73	202	ES		18 2	23.29-	.030							1.0
MESJ	HN	73	202	IAML		18 2	26.05			210	0.2				
MORF	HZ	143	207	EP		18 2	24.92-	.110							1.0

December 21 2021 Hour: 22:42 14.4 Lat: 60.17N Lon: 153.39W Depth: 147F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

SOUTHERN ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8686	28	EP		2253	57.210	.050							1.0
MESJ	BZ	8686	28	I Amb		2254	3.68			40	1.1				
MESJ	BE	8686	28	ES		23 3	39.57-	.180							1.0
MORF	BZ	8731	28	EP		2253	59.650	.170							1.0
MORF	BZ	8731	28	I Amb		2254	1.99			133	1.2				
MORF	BE	8731	28	ES		23 3	44.19-	.040							1.0

December 22 2021 Hour: 13:13 40.1 Lat: 35.51N Lon: 3.70W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	480	304	EP		1314	44.97-	.000							1.0

December 22 2021 Hour: 18:31 14.7 Lat: 36.70N Lon: 7.54W Depth: 23F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	120	304	EP		1831	32.94-	.160							1.0
MORF	HN	120	304	ES		1831	46.610	.060							1.0
MORF	HN	120	304	IAML		1831	46.93			13	0.1				
MESJ	HZ	140	335	EP		1831	35.61-	.010							1.0
MESJ	HN	140	335	ES		1831	51.020	.120							1.0
MESJ	HN	140	335	IAML		1831	51.40			4	0.1				

December 22 2021 Hour: 19:10 9.7 Lat: 35.23N Lon: 3.81W Depth: 0 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	490	308	EP		1911	16.010	.160							1.0
MORF	HZ	492	299	EP		1911	16.03-	.160							1.0

December 22 2021 Hour: 22:49 1.4 Lat: 37.10N Lon: 8.60W Depth: 1 Agency: IGL Regional
Magnitudes: 0.5ML 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	23	348	EP		2249	5.03-	.140							1.0
MORF	HN	23	348	ES		2249	8.050	.140							1.0
MORF	HN	23	348	IAML		2249	11.53			10	0.2				

December 23 2021 Hour: 1:54 26.6 Lat: 35.15N Lon: 3.91W Depth: 0 Agency: IGL Regional
Magnitudes: 4.4ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	488	309	EP		155	32.32-	.220							1.0
MESJ	HN	488	309	ES		156	20.880	.200							1.0
MESJ	HN	488	309	IAML		156	27.95			529	0.4				
MORF	HZ	489	301	EP		155	32.46-	.210							1.0
MORF	HN	489	301	ES		156	21.140	.240							1.0
MORF	HN	489	301	IAML		156	23.87			774	0.5				

December 23 2021 Hour: 2:7 31.4 Lat: 35.20N Lon: 4.02W Depth: 0 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	476	309	EP		2 8	35.85-	.030							1.0
MORF	HZ	477	301	EP		2 8	36.010	.030							1.0

December 23 2021 Hour: 2:52 53.0 Lat: 35.12N Lon: 3.94W Depth: 1 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	488	309	EP		253	58.76-	.040							1.0
MORF	HZ	488	301	EP		253	58.890	.040							1.0

December 23 2021 Hour: 2:57 42.1 Lat: 35.13N Lon: 3.91W Depth: 2F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	489	309	EP		258	47.97-	.000							1.0

December 23 2021 Hour: 9:20 56.7 Lat: 35.24N Lon: 3.91W Depth: 1 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	482	308	EP		922	1.840	.080							1.0
MORF	HZ	484	300	EP		922	1.95-	.080							1.0

December 23 2021 Hour: 19:5 9.6 Lat: 36.52N Lon: 9.67W Depth: 32F Agency: IGL Regional
Magnitudes: 2.9ML 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	126	46	EP		19 5	28.080	.040							1.0
MORF	HE	126	46	ES		19 5	41.37-	.090							1.0
MORF	HN	126	46	IAML		19 5	43.33			311	0.2				
MESJ	HZ	195	41	EP		19 5	36.61-	.010							1.0
MESJ	HE	195	41	ES		19 5	56.360	.060							1.0
MESJ	HN	195	41	IAML		19 5	57.03			50	0.1				

**December 24 2021 Hour: 3:12 26.1 Lat: 36.77N Lon: 8.01W Depth: 25F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	82	316	EP		312	39.11	-.160							1.0
MORF	HE	82	316	ES		312	48.83	-.080							1.0
MORF	HN	82	316	IAML		312	49.70			24	0.1				
MESJ	HZ	120	351	EP		312	44.450	.330							1.0
MESJ	HN	120	351	ES		312	57.23	-.080							1.0
MESJ	HN	120	351	IAML		312	59.42			10	0.1				

**December 24 2021 Hour: 8: 7 13.7 Lat: 35.23N Lon: 4.01W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	475	309	EP		8 8	18.110	.010							1.0

**December 24 2021 Hour: 8:24 44.2 Lat: 36.90N Lon: 13.53W Depth: 25F Agency: IGL Regional
Magnitudes: 2.2ML 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	436	83	EP		825	38.52	-.020							1.0
MORF	HN	436	83	ES		826	18.290	.090							1.0
MORF	HN	436	83	IAML		826	22.04			6	0.2				
MESJ	HZ	482	76	EP		825	44.04	-.080							1.0

**December 24 2021 Hour: 10:16 35.2 Lat: 36.73N Lon: 11.56W Depth: 15F Agency: IGL Regional
Magnitudes: 2.2ML 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	266	75	EP		1017	12.23	-.080							1.0
MORF	HE	266	75	ES		1017	39.450	.050							1.0
MORF	HE	266	75	IAML		1017	40.51			19	0.2				
MESJ	HZ	321	66	EP		1017	18.88	-.150							1.0
MESJ	HE	321	66	ES		1017	51.190	.180							1.0
MESJ	HN	321	66	IAML		1017	53.81			5	0.2				

**December 24 2021 Hour: 10:27 25.6 Lat: 36.70N Lon: 9.67W Depth: 19F 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	113	53	EP		1027	43.19	-.070							1.0
MORF	HN	113	53	ES		1027	56.400	.250							1.0
MORF	HN	113	53	IAML		1027	57.74			24	0.1				
MESJ	HZ	180	45	EP		1027	51.54	-.100							1.0
MESJ	HN	180	45	ES		1028	10.55	-.090							1.0
MESJ	HN	180	45	IAML		1028	11.71			5	0.1				

**December 25 2021 Hour: 2:21 46.1 Lat: 35.18N Lon: 3.90W Depth: 12F Agency: IGL Regional
Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	487	309	EP		222	50.57	-.010							1.0

**December 25 2021 Hour: 18:44 2.2 Lat: 35.50N Lon: 3.67W Depth: 1 Agency: IGL Regional
Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	482	304	EP		1845	7.21	-.000							1.0

**December 25 2021 Hour: 20:30 59.3 Lat: 36.51N Lon: 9.81W Depth: 12F 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	136	49	EP		2031	20.39	-.060							1.0
MORF	HN	136	49	ES		2031	36.060	.190							1.0
MORF	HE	136	49	IAML		2031	37.27			19	0.1				
MESJ	HZ	204	43	EP		2031	28.77	-.170							1.0
MESJ	HN	204	43	ES		2031	50.570	.030							1.0
MESJ	HN	204	43	IAML		2031	51.47			3	0.1				

**December 25 2021 Hour: 20:59 44.1 Lat: 37.31N Lon: 8.32W Depth: 17F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.2 secs**

NE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	30	269	EP		2059	49.12	-.400							1.0
MORF	HE	30	269	ES		2059	53.590	.100							1.0
MORF	HN	30	269	IAML		2059	54.27			150	0.1				
MESJ	HZ	59	9	EP		2059	54.150	.320							1.0
MESJ	HE	59	9	ES		21 0	0.93	-.020							1.0
MESJ	HN	59	9	IAML		21 0	2.17			113	0.1				

**December 25 2021 Hour: 22:12 42.6 Lat: 36.37N Lon: 9.03W Depth: 12F 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	109	18	EP		2212	59.83	-.010							1.0
MORF	HE	109	18	ES		2213	12.410	.010							1.0
MORF	HN	109	18	IAML		2213	14.76			27	0.1				

**December 26 2021 Hour: 6:44 3.7 Lat: 37.02N Lon: 13.81W Depth: 23F Agency: IGL Regional
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	459	85	EP		645	0.81	-.020							1.0
MESJ	HZ	503	78	EP		645	6.190	.020							1.0

**December 26 2021 Hour: 6:55 0.6 Lat: 36.12N Lon: 9.92W Depth: 30F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	173	40	EP		655	25.010	.030							1.0
MORF	HN	173	40	ES		655	42.840	.060							1.0
MORF	HN	173	40	IAML		655	44.01			9	0.1				
MESJ	HZ	244	38	EP		655	33.55	-.100							1.0
MESJ	HE	244	38	ES		655	57.790	.000							1.0
MESJ	HE	244	38	IAML		655	59.76			2	0.1				

**December 26 2021 Hour: 14:27 27.4 Lat: 37.33N Lon: 8.55W Depth: 7F Agency: IGL Regional
Magnitudes: 0.8ML 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	10	253	EP		1427	29.27	-.130							1.0
MORF	HE	10	253	ES		1427	31.030	.200							1.0
MORF	HE	10	253	IAML		1427	31.36			88	0.2				
MESJ	HE	64	27	ES		1427	45.22	-.080							1.0
MESJ	HN	64	27	IAML		1427	48.34			2	0.1				

December 26 2021 Hour: 15:130.9 Lat: 0.06S Lon: 123.46E Depth:108F Agency: IGL Distant
Rms: 0.0 secs

SULAWESI, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13560	316	EP	KPdf		1520	11.97	-.000							1.0

December 26 2021 Hour: 15:49 35.9 Lat: 36.21N Lon: 8.27W Depth: 35F 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	126	344	EP		1549	54.24	-.100							1.0
MORF	HN	126	344	ES		1550	8.000	.180							1.0
MORF	HN	126	344	IAML		1550	8.92			23	0.1				
MESJ	HZ	181	1	EP		1550	1.10	-.010							1.0
MESJ	HN	181	1	ES		1550	19.45	-.070							1.0
MESJ	HN	181	1	IAML		1550	20.47			13	0.1				

December 26 2021 Hour: 15:42 57.2 Lat: 18.09S Lon: 179.35W Depth:640F Agency: IGL Distant
Rms: 0.0 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17677	20	EP	KPab		16 2	23.73	-.010							1.0
MORF	BZ17715	21	EP	KPab		16 2	25.310	.010							1.0

December 26 2021 Hour: 18:59 2.7 Lat: 34.93N Lon: 26.94E Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

CRETE, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3153	286	EP		19 4	56.79	-.110							1.0
MESJ	BZ	3153	286	IAMB		19 5	5.55			220	1.4				
MESJ	BE	3153	286	ES		19 9	44.750	.110							1.0

December 27 2021 Hour: 1: 6 18.4 Lat: 36.58N Lon: 7.98W 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	100	323	EP		1 6	32.74	-.150							1.0
MORF	HE	100	323	ES		1 6	43.530	.050							1.0
MORF	HE	100	323	IAML		1 6	44.29			19	0.2				
MESJ	HZ	141	351	EP		1 6	38.080	.110							1.0

December 27 2021 Hour: 3: 3 52.7 Lat: 36.34N Lon: 9.00W Depth: 15F Agency: IGL Regional
Magnitudes: 3.4ML 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	111	16	EP		3 4	10.17	-.120							1.0
MORF	HN	111	16	ES		3 4	23.220	.100							1.0
MORF	HN	111	16	IAML		3 4	25.00			1704	0.4				
MESJ	HZ	180	22	EP		3 4	18.94	-.130							1.0
MESJ	HN	180	22	ES		3 4	38.470	.150							1.0
MESJ	HN	180	22	IAML		3 4	44.21			182	0.2				

December 27 2021 Hour: 6:58 0.3 Lat: 36.24N Lon: 10.53W 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	205	54	EP		658	27.950	.120							1.0
MORF	HN	205	54	ES		658	47.83	-.090							1.0
MORF	HE	205	54	IAML		658	49.96			14	0.2				
MESJ	HZ	272	48	EP		658	36.03	-.030							1.0

December 27 2021 Hour: 17:51 24.8 Lat: 35.42N Lon: 3.65W Depth: 23F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	489	305	EP		1752	28.83	-.000							1.0

December 28 2021 Hour: 2:25 55.9 Lat: 36.39N Lon: 8.98W Depth: 12F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	106	16	EP		226	12.45	-.110							1.0
MORF	HE	106	16	ES		226	24.86	0.110							1.0
MORF	HE	106	16	IAML		226	27.70		11	0.4					

December 28 2021 Hour: 2:27 50.8 Lat: 36.45N Lon: 9.05W Depth: 13F 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	101	20	EP		228	6.77	-.050							1.0
MORF	HN	101	20	ES		228	18.58	0.050							1.0
MORF	HN	101	20	IAML		228	21.28		12	0.3					

December 29 2021 Hour: 5: 8 10.1 Lat: 34.85N Lon: 25.09E Depth: 68F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

CRETE, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2993	286	EP		513	44.89	0.000							1.0
MESJ	BZ	2993	286	IAMB		513	46.87		217	1.4					
MORF	BZ	3036	285	EP		513	48.39	-.000							1.0
MORF	BZ	3036	285	IAMB		514	10.84		44	0.9					

December 29 2021 Hour: 5: 9 7.9 Lat: 35.88N Lon: 8.17W Depth: 28F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	164	345	EP		5 9	30.95	-.260							1.0
MESJ	HZ	218	359	EP		5 9	38.03	0.190							1.0
MESJ	HE	218	359	ES		5 9	59.79	0.080							1.0
MESJ	HN	218	359	IAML		510	1.06		9	0.2					

December 29 2021 Hour: 5:12 20.2 Lat: 36.03N Lon: 9.85W Depth: 20F 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	177	37	EP		512	45.77	-.020							1.0
MORF	HE	177	37	ES		513	4.50	0.020							1.0
MORF	HE	177	37	IAML		513	6.27		5	0.2					

December 29 2021 Hour: 7:21 26.0 Lat: 36.38N Lon: 9.40W Depth: 2F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	122	33	EP		721	45.57	-.140							1.0
MORF	HN	122	33	ES		722	0.23	0.140							1.0
MORF	HE	122	33	IAML		722	2.62		18	0.2					

December 29 2021 Hour: 18:25 53.3 Lat: 7.59S Lon: 127.58E Depth: 167F Agency: IGL Distant
Magnitudes: 7.2Ms IGL Rms: 0.1 secs

KEPULAUAN BARAT DAYA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14471	314	EPK	pdf		1844	42.79	0.070							1.0
MESJ	BZ14471	314	EPP			1846	57.13	-.020							1.0
MESJ	BZ14471	314	ESKP			1847	49.22	-.090							1.0

MESJ	BN14471	314	IAMs_20	1935	14.08				37345	26.8								
GGNV	BZ14501	315	EPKPd \bar{f}	1844	43.13	-.060												1.0
GGNV	BZ14501	315	ESKP	1847	50.46	0.080												1.0
GGNV	BN14501	315	IAMs_20	1935	33.20				67425	21.1								
MORF	BZ14532	313	EPKPd \bar{f}	1844	43.84	0.050												1.0
MORF	BZ14532	313	ESKP	1847	51.63	-.040												1.0
MORF	BE14532	313	IAMs_20	1937	4.67				82704	28.8								

December 30 2021 Hour: 6:19 32.3 Lat: 36.62N Lon: 9.75W Depth: 30F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	124	52	EP		619	50.46	-.040							1.0
MORF	HE	124	52	ES		620	3.92	0.120							1.0
MORF	HE	124	52	IAML		620	4.78		4	0.2					
MESJ	HZ	192	45	EP		619	58.83	-.080							1.0

December 30 2021 Hour: 13:24 35.3 Lat: 57.26N Lon: 154.96W Depth: 58F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9017	26	EP		1336	44.21	-.060							1.0
MESJ	BZ	9017	26	IAMB		1336	46.94		39	1.7					
MORF	BZ	9062	27	EP		1336	46.53	0.060							1.0
MORF	BZ	9062	27	IAMB		1336	47.89		24	0.8					

December 30 2021 Hour: 15:28 20.6 Lat: 35.46N Lon: 3.67W Depth: 1 Agency: IGL Regional
Magnitudes: 3.5ML 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	485	304	EP		1529	26.04	0.020							1.0
MESJ	HN	485	304	ES		1530	13.61	-.140							1.0
MESJ	HN	485	304	IAML		1530	15.83		81	0.3					
MORF	HZ	492	296	EP		1529	26.92	0.070							1.0
MORF	HE	492	296	ES		1530	15.23	0.050							1.0
MORF	HN	492	296	IAML		1530	17.98		114	0.3					

December 30 2021 Hour: 22:12 1.2 Lat: 37.33N Lon: 8.54W Depth: 7F Agency: IGL Regional
Magnitudes: 1.1ML 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	254	EP		2212	3.12	-.120							1.0
MORF	HN	10	254	ES		2212	4.87	0.120							1.0
MORF	HE	10	254	IAML		2212	5.17		97	0.2					