

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

November to December

2016

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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	37.3063N
Longitude	8.6508W
Height	650m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

November 1 2016 Hour: 5:39 46.3 Lat: 37.32N Lon: 8.55W Depth: 5F 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	9	260	EP		539	47.83	-.150							1.0
MORF	HN	9	260	ES		539	49.290	.050							1.0
MORF	HN	9	260	IAML		539	49.77			128	0.2				
MESJ	HZ	65	27	EP		539	56.750	.030							1.0
MESJ	HN	65	27	ES		540	4.430	.080							1.0
MESJ	HN	65	27	IAML		540	5.53			4	0.1				

November 1 2016 Hour: 19: 3 27.1 Lat: 6.11S Lon: 148.63E Depth: 35F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15787	331	EP	KPdf		1922	54.30	-0.14							1.0
GGNV	BZ15787	331	EPP			1925	59.59	-0.10							1.0
GGNV	BZ15787	331	IAMs	_20		2030	59.15			2890	18.7				
MESJ	BZ15812	330	EP	KPdf		1922	54.91	0.04							1.0
MESJ	BZ15812	330	EPP			1926	1.24	0.12							1.0
MESJ	BE15812	330	ESS			1944	33.30	-0.04							1.0
MESJ	BN15812	330	IAMs	_20		2027	45.56			2060	15.1				
MORF	BZ15882	329	EP	KPdf		1922	56.07	0.04							1.0
MORF	BZ15882	329	EPP			1926	5.05	0.07							1.0
MORF	BN15882	329	IAMs	_20		2027	36.78			3986	31.8				

November 2 2016 Hour: 2:20 8.7 Lat: 36.60N Lon: 7.59W Depth: 31F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	123	310	EP		220	25.98	-.070							1.0
MORF	HN	123	310	ES		220	38.48	-.190							1.0
MORF	HE	123	310	IAML		220	40.46			178	0.3				
MESJ	HZ	148	338	EP		220	29.500	.290							1.0
MESJ	HN	148	338	ES		220	44.12	-.030							1.0
MESJ	HN	148	338	IAML		220	49.50			70	0.4				

November 2 2016 Hour: 2:29 54.0 Lat: 36.69N Lon: 7.73W Depth: 27F 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	107	310	EP		230	10.23	-.120							1.0
MORF	HN	107	310	ES		230	22.20	-.050							1.0
MORF	HN	107	310	IAML		230	23.99			14	0.4				
MESJ	HZ	135	341	EP		230	13.79	-.010							1.0
MESJ	HN	135	341	ES		230	28.400	.180							1.0
MESJ	HE	135	341	IAML		230	32.67			10	0.2				

November 2 2016 Hour: 8:13 33.2 Lat: 38.82N Lon: 10.77W Depth: 4F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	248	115	EP		814	9.370	.280							1.0
MESJ	HN	248	115	ES		814	35.25	-.030							1.0
MESJ	HE	248	115	IAML		814	39.10			20	0.1				
MORF	HZ	251	131	EP		814	9.17	-.250							1.0

November 2 2016 Hour: 22:53 10.8 Lat: 37.30N Lon: 8.61W Depth: 17F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	4	281	EP		2253	13.66	-.010							1.0
MORF	HN	4	281	ES		2253	15.770	.020							1.0
MORF	HN	4	281	IAML		2253	16.74			6	0.2				
MESJ	HZ	69	30	EP		2253	22.100	.080							1.0
MESJ	HN	69	30	ES		2253	30.11	-.090							1.0
MESJ	HN	69	30	IAML		2253	30.79			1.00	0.1				

November 3 2016 Hour: 0:35 2.3 Lat: 43.03N Lon: 13.05E Depth: 8F Agency: IGL Distant
Magnitudes: 4.3Mb IGL Rms: 0.1 secs

CENTRAL ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	1888	259	EP		039	0.340	.070							1.0
MESJ	BZ	1888	259	IAMB		039	5.35			13	1.2				
MESJ	BN	1888	259	ES		042	10.480	.160							1.0
MORF	BZ	1948	258	EP		039	6.79	-.220							1.0
MORF	BZ	1948	258	IAMB		039	13.94			136	2.0				
MORF	BN	1948	258	ES		042	23.33	-.020							1.0

November 3 2016 Hour: 6:27 59.5 Lat: 36.67N Lon: 10.71W 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	196	68	EP		628	26.70	-.000							1.0
MORF	HN	196	68	ES		628	46.630	.080							1.0
MORF	HN	196	68	IAML		628	47.83			64	0.1				
MESJ	HZ	256	59	EP		628	33.97	-.120							1.0
MESJ	HN	256	59	ES		628	59.370	.040							1.0
MESJ	HN	256	59	IAML		629	1.32			8	0.1				

November 3 2016 Hour: 6:51 51.0 Lat: 36.91N Lon: 7.44W Depth: 30F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	293	EP		652	8.28	-.040							1.0
MORF	HN	116	293	ES		652	20.93	-.010							1.0
MORF	HN	116	293	IAML		652	22.14			3	0.2				
MESJ	HZ	124	326	EP		652	9.390	.120							1.0
MESJ	HN	124	326	ES		652	22.50	-.080							1.0
MESJ	HN	124	326	IAML		652	23.43			2	0.1				

November 3 2016 Hour: 9:7 59.2 Lat: 37.10N Lon: 8.05W Depth: 11F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

SW LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	58	293	EP		9 8	8.56	-.150							1.0
MORF	HE	58	293	ES		9 8	15.830	.150							1.0
MORF	HN	58	293	IAML		9 8	18.59			10	0.1				
MESJ	HZ	83	350	EP		9 8	12.46	-.080							1.0
MESJ	HN	83	350	ES		9 8	22.390	.080							1.0
MESJ	HN	83	350	IAML		9 8	24.18			7	0.2				

November 3 2016 Hour: 22:57 16.0 Lat: 37.23N Lon: 8.66W Depth: 16F Agency: IGL Regional
Magnitudes: 1.3ML 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	9	5	EP		2257	18.93	-.060							1.0
MORF	HE	9	5	ES		2257	21.280	.130							1.0
MORF	HE	9	5	IAML		2257	21.98			91	0.1				
MESJ	HZ	78	30	EP		2257	28.580	.020							1.0

MESJ HN 78 30 ES 2257 37.62-.090 1.0
 MESJ HN 78 30 IAML 2257 39.56 11 0.2

**November 4 2016 Hour: 0:34 16.0 Lat: 37.34N Lon: 8.46W Depth: 8F 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	17	258	EP		034	19.05	-.080							1.0
MORF	HE	17	258	ES		034	21.480	.080							1.0
MORF	HE	17	258	IAML		034	21.83			25	0.1				

**November 4 2016 Hour: 16:20 44.3 Lat: 35.10S Lon: 71.00W Depth: 91F Agency: IGL Distant
 Magnitudes: 5.7Ms IGL Rms: 0.1 secs**

MAULE, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10275		45	EP		1633	44.45	-.130							1.0
MORF	BN10275		45	ESKSac		1644	9.28	-.030							1.0
MORF	BZ10275		45	IAMs_20		17	6	0.39		2744	19.1				
MESJ	BZ10344		45	EP		1633	47.410	.070							1.0
MESJ	BE10344		45	ESKSac		1644	12.730	.090							1.0
MESJ	BE10344		45	IAMs_20		17	6	24.24		3255	27.7				
GGNV	BZ10351		44	EP		1633	47.620	.020							1.0
GGNV	BN10351		44	ESKSac		1644	12.95	-.030							1.0
GGNV	BZ10351		44	IAMs_20		17	7	47.58		6319	45.5				

**November 4 2016 Hour: 18:3 37.3 Lat: 37.88N Lon: 9.09W Depth: 5F Agency: IGL Regional
 Magnitudes: 0.9ML IGL Rms: 0.0 secs**

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	75	149	ES		18	3	58.130	.020						1.0
MORF	HN	75	149	IAML		18	4	0.70			7	0.2			
MESJ	HZ	77	93	EP		18	3	49.58	-.070						1.0
MESJ	HN	77	93	ES		18	3	58.750	.050						1.0
MESJ	HE	77	93	IAML		18	3	59.69			3	0.2			

**November 4 2016 Hour: 23:49 8.0 Lat: 38.05N Lon: 8.24W Depth: 5F Agency: IGL Regional
 Magnitudes: 0.6ML IGL Rms: 0.1 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	176	EP		2349	11.950	.120							1.0
MESJ	HN	23	176	ES		2349	14.54	-.120							1.0
MESJ	HN	23	176	IAML		2349	15.16				12	0.2			

**November 5 2016 Hour: 10:50 3.8 Lat: 38.23N Lon: 9.42W Depth: 2F Agency: IGL Regional
 Magnitudes: 1.7ML IGL Rms: 0.2 secs**

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	114	112	EP		1050	21.88	-.290							1.0
MESJ	HN	114	112	ES		1050	35.930	.350							1.0
MESJ	HN	114	112	IAML		1050	38.00				14	0.5			
MORF	HZ	123	146	EP		1050	23.53	-.080							1.0
MORF	HN	123	146	ES		1050	38.110	.020							1.0

**November 5 2016 Hour: 20:43 24.2 Lat: 35.98N Lon: 3.99E Depth: 10F Agency: IGL Distant
 Rms: 0.0 secs**

NORTHERN ALGERIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	1107	284	EP		2045	47.320	.020							1.0

November 6 2016 Hour: 8:45 26.6 Lat: 37.31N Lon: 8.56W Depth: 9F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	267	EP		845	28.52	-.130							1.0
MORF	HN	8	267	ES		845	30.200	.080							1.0
MORF	HN	8	267	IAML		845	30.68		69	0.1					
MESJ	HZ	66	27	EP		845	37.440	.060							1.0

November 6 2016 Hour: 12:42 2.5 Lat: 38.70N Lon: 7.53W Depth: 2F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

NE REDONDO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	113	213	EP		1242	20.800	.100							1.0
MESJ	HN	113	213	ES		1242	34.030	.020							1.0
MESJ	HN	113	213	IAML		1242	36.00		14	0.1					
MORF	HZ	183	213	EP		1242	30.47	-.070							1.0
MORF	HN	183	213	ES		1242	50.98	-.050							1.0
MORF	HE	183	213	IAML		1242	56.87		23	0.3					

November 6 2016 Hour: 13:16 1.2 Lat: 38.78N Lon: 7.97W Depth: 5F Agency: IGL Regional
Magnitudes: 0.8ML 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	107	192	EP		1316	18.30	-.100							1.0
MESJ	HN	107	192	ES		1316	31.070	.100							1.0
MESJ	HN	107	192	IAML		1316	31.62		2	0.2					

November 6 2016 Hour: 21:33 30.4 Lat: 35.67N Lon: 3.68W 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	472	302	EP		2134	34.30	-.020							1.0

November 7 2016 Hour: 20:3 33.9 Lat: 38.77N Lon: 7.95W Depth: 8F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

NE ARRAIOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	106	193	EP		20 3	50.880	.030							1.0
MESJ	HE	106	193	ES		20 4	3.20	-.030							1.0
MESJ	HN	106	193	IAML		20 4	4.42		4	0.2					

November 7 2016 Hour: 21:31 28.6 Lat: 8.10S Lon: 104.85E Depth: 33F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.0 secs

SOUTHWEST OF SUMATRA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12592	308	EPP			2150	52.050	.040							1.0
MESJ	BZ12592	308	IAMs_20			2246	19.52		441	18.0					

November 8 2016 Hour: 3:3 48.3 Lat: 36.75N Lon: 7.20W 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
MORF	HZ	143	296	EP		3 4	9.58	-.040							1.0
MESJ	HZ	151	324	EP		3 4	10.610	.040							1.0

November 8 2016 Hour: 4:55 44.2 Lat: 36.58S Lon: 73.64W Depth: 17F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

OFFSHORE BIO-BIO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10560	46	EPP			512	54.59	-.090							1.0
MORF	BZ10560	46	IAMs_20			552	53.54		13990	32.6					
MESJ	BZ10628	46	EPP			512	59.36	-.030							1.0

MESJ	BE10628	46	ESKSac	519	43.510.050												1.0
MESJ	BZ10628	46	IAMs_20	553	18.42				9162	14.9							
GGNV	BZ10634	45	EPP	512	59.900.070												1.0
GGNV	BZ10634	45	IAMs_20	553	38.55				5967	18.7							

November 8 2016 Hour: 12:53 4.7 Lat: 37.30N Lon: 8.56W Depth: 14F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	275	EP		1253	7.17-	.170							1.0
MORF	HN	8	275	ES		1253	9.410.	.130							1.0
MORF	HN	8	275	IAML		1253	9.90		10	0.1					
MESJ	HE	67	27	ES		1253	23.460.	.040							1.0
MESJ	HE	67	27	IAML		1253	24.29		0.90	0.2					

November 8 2016 Hour: 15:28 34.1 Lat: 36.98N Lon: 8.85W Depth: 27F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.3 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	40	26	EP		1528	41.59-	.010							1.0
MORF	HN	40	26	ES		1528	47.350.	.260							1.0
MORF	HN	40	26	IAML		1528	48.15		640	0.2					
MESJ	HZ	111	30	EP		1528	50.37-	.450							1.0
MESJ	HN	111	30	ES		1529	3.230.	.190							1.0
MESJ	HE	111	30	IAML		1529	4.69		125	0.2					

November 8 2016 Hour: 23:14 7.6 Lat: 37.27N Lon: 17.87W Depth: 18F 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	817	87	EP		2315	51.00-	.150							1.0
MESJ	HZ	855	83	EP		2315	55.650.	.130							1.0
MESJ	HN	855	83	ES		2317	14.330.	.020							1.0
MESJ	HN	855	83	IAML		2317	16.27		3	0.1					

November 8 2016 Hour: 23:30 21.2 Lat: 27.25S Lon: 63.35W Depth: 563F Agency: IGL Distant
Magnitudes: 4.7Mb 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	9214	41	EP		2341	46.960.	.020							1.0
MESJ	BZ	9214	41	IAMB		2341	48.19		30	1.1					

November 10 2016 Hour: 3:50 56.2 Lat: 36.20N Lon: 8.70W Depth: 14F Agency: IGL Regional
Magnitudes: 1.7ML 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	123	2	EP		351	15.44-	.120							1.0
MORF	HE	123	2	ES		351	29.890.	.240							1.0
MORF	HN	123	2	IAML		351	31.89		14	0.1					
MESJ	HZ	187	13	EP		351	23.39-	.130							1.0

November 10 2016 Hour: 17:35 39.5 Lat: 20.42S Lon: 178.21W Depth: 546F Agency: IGL Distant
Magnitudes: 1.7ML IGL 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	BZ17869	24	EPKPdf	1754	36.18-	.060									1.0
MORF	BZ17901	26	EPKPdf	1754	36.660.	.060									1.0

November 10 2016 Hour: 19:55 17.5 Lat: 37.31N Lon: 8.63W Depth: 16F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	2	258	EP		1955	19.91	-.190							1.0
MORF	HE	2	258	ES		1955	22.100	.060							1.0
MORF	HE	2	258	IAML		1955	22.29			219	0.2				
MESJ	HN	69	32	ES		1955	36.920	.140							1.0
MESJ	HN	69	32	IAML		1955	38.42			17	0.1				

November 10 2016 Hour: 23:49 33.8 Lat: 38.06N Lon: 9.06W Depth: 7F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	78	108	EP		2349	46.31	-.090							1.0
MESJ	HE	78	108	ES		2349	55.640	.040							1.0
MESJ	HN	78	108	IAML		2349	56.57			3	0.2				
MORF	HZ	91	157	EP		2349	48.38	-.160							1.0
MORF	HE	91	157	ES		2349	59.520	.210							1.0
MORF	HN	91	157	IAML		2350	1.28			10	0.3				

November 11 2016 Hour: 8:14 39.5 Lat: 36.68N Lon: 9.63W Depth: 29F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	111	51	EP		814	56.300	.010							1.0
MORF	HE	111	51	ES		815	8.560	.030							1.0
MORF	HE	111	51	IAML		815	11.03			937	0.2				
MESJ	HZ	179	44	EP		815	4.52	-.190							1.0
MESJ	HE	179	44	ES		815	23.110	.030							1.0
MESJ	HE	179	44	IAML		815	23.96			103	0.1				
GGNV	HN	230	10	ES		815	34.030	.120							0.9
GGNV	HN	230	10	IAML		815	35.86			116	0.1				

November 11 2016 Hour: 20:43 15.6 Lat: 36.68N Lon: 7.44W Depth: 26F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	128	303	EP		2043	34.59	-.070							1.0
MORF	HN	128	303	ES		2043	48.32	-.240							1.0
MORF	HN	128	303	IAML		2043	48.86			4	0.2				
MESJ	HZ	146	332	EP		2043	37.030	.180							1.0
MESJ	HN	146	332	ES		2043	52.480	.140							1.0
MESJ	HN	146	332	IAML		2043	54.41			2	0.1				

November 11 2016 Hour: 21:42 59.2 Lat: 38.50N Lon: 141.56E Depth: 45F Agency: IGL Distant
Magnitudes: 6.1Ms 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	BZ10960	337	EPP			22 0	34.010	.070							1.0
GGNV	BE10960	337	IAMs_20			2236	6.43			7126	23.4				
MESJ	BZ11017	336	EPP			22 0	37.90	-.010							1.0
MESJ	BZ11017	336	IAMs_20			2242	11.59			6311	14.5				
MORF	BZ11087	336	EPP			22 0	42.65	-.070							1.0
MORF	BZ11087	336	IAMs_20			2242	43.15			7833	27.1				

November 12 2016 Hour: 14:56 33.1 Lat: 35.71N Lon: 8.81W Depth: 31F 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	178	5	EP		1456	57.07	-.140							1.0
MORF	HE	178	5	ES		1457	15.020	.200							1.0
MORF	HE	178	5	IAML		1457	16.46			12	0.1				

MESJ	BN19450	168	ESS	1149	59.530.000															1.0
MESJ	BZ19450	168	IAMs_20	1243	29.40				651000	30.3										
GGNV	BZ19520	157	EPKPd \bar{f}	1123	8.94-.030															1.0
GGNV	BZ19520	157	IAMs_20	1246	9.57				648000	20.6										

November 13 2016 Hour: 11:32 7.3 Lat: 42.25S Lon: 173.63E Depth: 10F Agency: IGL Distant Rms: 0.1 secs

SOUTH ISLAND OF NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ19424	160	EPKPd \bar{f}			1152	16.92-.070								1.0
MESJ	BZ19492	162	EPKPd \bar{f}			1152	17.08-.040								1.0
GGNV	BZ19549	148	EPKPd \bar{f}			1152	17.340.120								1.0

November 13 2016 Hour: 11:41 49.1 Lat: 41.79S Lon: 174.11E Depth: 10F Agency: IGL Distant Rms: 0.0 secs

COOK STRAIT, NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ19457	154	EPKPd \bar{f}			12 1	58.920.020								1.0
MESJ	BZ19526	155	EPKPd \bar{f}			12 1	59.00-.020								1.0

November 13 2016 Hour: 11:52 44.0 Lat: 42.25S Lon: 173.65E Depth: 10F Agency: IGL Distant Rms: 0.0 secs

SOUTH ISLAND OF NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ19492	161	EPKPd \bar{f}			1212	53.77-.000								1.0

November 13 2016 Hour: 13:51 7.1 Lat: 36.78N Lon: 11.18W Depth: 15F Agency: IGL Regional Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	232	75	EP		1351	39.92-.060								1.0
MORF	HN	232	75	ES		1352	4.060.080								1.0
MORF	HN	232	75	IAML		1352	6.35			6	0.3				
MESJ	HZ	288	65	EP		1351	46.77-.020								1.0

November 13 2016 Hour: 14: 1 1.3 Lat: 28.92S Lon: 67.49W Depth: 101F Agency: IGL Distant Rms: 0.0 secs

LA RIOJA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9556	43	EP		1413	29.89-.070								1.0
MORF	BZ	9556	43	IAMB		1413	31.87			129	1.0				
MESJ	BZ	9623	43	EP		1413	32.890.020								1.0
MESJ	BZ	9623	43	IAMB		1413	34.38			208	1.1				
GGNV	BZ	9627	42	EP		1413	33.010.050								1.0
GGNV	BZ	9627	42	IAMB		1413	34.41			163	1.1				

November 13 2016 Hour: 15:33 8.1 Lat: 37.30N Lon: 8.47W Depth: 11F Agency: IGL Regional 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	16	273	EP		1533	10.97-.310								1.0
MORF	HN	16	273	ES		1533	13.790.180								1.0
MORF	HE	16	273	IAML		1533	14.39			16	0.0				
MESJ	HZ	64	20	EP		1533	18.43-.060								1.0
MESJ	HN	64	20	ES		1533	26.270.190								1.0
MESJ	HN	64	20	IAML		1533	28.86			11	0.2				

November 13 2016 Hour: 21: 1 11.0 Lat: 38.18N Lon: 8.22W Depth: 9F 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	38	180	EP		21 1	17.370.100								1.0
MESJ	HN	38	180	ES		21 1	21.76-.100								1.0
MESJ	HE	38	180	IAML		21 1	22.14			11	0.1				

November 14 2016 Hour: 0:34 22.7 Lat: 42.59S Lon: 173.28E Depth: 10F Agency: IGL Distant
 Magnitudes: 6.9Ms IGL Rms: 0.1 secs

SOUTH ISLAND OF NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ19398	164		EPKp \bar{d} f		054	32.19	-.070							1.0
MORF	BE19398	164		ESS		121	20.03	-.070							1.0
MORF	BZ19398	164		IAMs_20		216	26.24		11182	15.4					
MESJ	BZ19465	166		EPKp \bar{d} f		054	32.570	.180							0.9
MESJ	BE19465	166		ESS		121	25.69	-.050							1.0
MESJ	BZ19465	166		IAMs_20		212	43.88		17344	25.9					
GGNV	BZ19530	154		EPKp \bar{d} f		054	32.570	.050							1.0
GGNV	BN19530	154		ESS		121	31.31	-.020							1.0
GGNV	BZ19530	154		IAMs_20		213	5.74		16629	18.5					

November 14 2016 Hour: 6:47 52.6 Lat: 42.35S Lon: 173.85E Depth: 15F Agency: IGL Distant
 Magnitudes: 6.0Ms IGL Rms: 0.1 secs

SOUTH ISLAND OF NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ19407	158		EPKp \bar{d} f		7 8	1.26	-.090							1.0
MORF	BZ19407	158		IAMs_20		825	10.05		1917	25.7					
MESJ	BZ19476	160		EPKp \bar{d} f		7 8	1.510	.030							1.0
MESJ	BZ19476	160		EPP		713	30.32	-.010							1.0
MESJ	BN19476	160		ESS		734	55.16	-.020							1.0
MESJ	BN19476	160		IAMs_20		828	43.83		1338	22.3					
GGNV	BZ19530	147		EPKp \bar{d} f		7 8	1.680	.090							1.0
GGNV	BN19530	147		IAMs_20		827	51.91		6519	35.2					

November 14 2016 Hour: 21:13 16.7 Lat: 38.37N Lon: 8.94W Depth: 15F Agency: IGL Regional
 Magnitudes: 2.3ML IGL Rms: 0.1 secs

S SETUBAL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HE	43	335	ES		2113	29.110	.030							1.0
GGNV	HE	43	335	IAML		2113	30.36		189	0.2					
MESJ	HZ	86	133	EP		2113	30.470	.030							1.0
MESJ	HE	86	133	ES		2113	40.600	.100							1.0
MESJ	HE	86	133	IAML		2113	42.85		67	0.2					
MORF	HZ	121	168	EP		2113	35.51	-.160							1.0
MORF	HN	121	168	ES		2113	49.54	-.000							1.0
MORF	HN	121	168	IAML		2113	51.35		68	0.2					

November 15 2016 Hour: 1:7 6.5 Lat: 37.61N Lon: 16.24W Depth: 10F Agency: IGL Regional
 Magnitudes: 2.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	672	91	EP		1 8	33.57	-.150							1.0
MESJ	HZ	707	85	EP		1 8	37.950	.040							1.0
MESJ	HE	707	85	ES		1 9	44.740	.120							1.0
MESJ	HN	707	85	IAML		1 9	48.86		7	0.4					

November 15 2016 Hour: 3:19 28.5 Lat: 36.64N Lon: 9.74W Depth: 26F 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	122	52	EP		319	46.780	.020							1.0
MORF	HE	122	52	ES		320	0.120	.030							1.0
MORF	HE	122	52	IAML		320	3.57		7	0.2					
MESJ	HZ	190	45	EP		319	54.98	-.130							1.0
MESJ	HN	190	45	ES		320	14.620	.070							1.0
MESJ	HE	190	45	IAML		320	16.14		3	0.1					

November 15 2016 Hour: 16:256.1 Lat: 36.52N Lon: 70.86E Depth:190F Agency: IGL Distant
 Magnitudes: 5.2Mb IGL Rms: 0.0 secs

HINDU KUSH REGION, AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6797	297	EP		1612	50.32	-.040							1.0
MESJ	BZ	6797	297	IAMB		1612	51.91			46	1.0				

November 16 2016 Hour: 0:3028.8 Lat: 20.20S Lon: 172.96W Depth:10F Agency: IGL Distant
 Magnitudes: 5.7Ms IGL Rms: 0.1 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	17453	34	EPKPDF		050	23.64	-.080							1.0
GGNV	BZ	17453	34	IAMS_20		157	36.08			1449	15.0				
MESJ	BZ	17580	34	EPKPDF		050	25.13	-.060							1.0
MESJ	BZ	17580	34	EPP		054	38.71	-.000							1.0
MESJ	BZ	17580	34	IAMS_20		158	43.44			975	22.2				
MORF	BZ	17598	35	EPKPDF		050	25.600	.150							1.0
MORF	BZ	17598	35	IAMS_20		156	18.33			1219	23.3				

November 16 2016 Hour: 19:147.8 Lat: 37.31N Lon: 8.61W Depth:12F Agency: IGL Regional
 Magnitudes: 0.4ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ		4	264	EP	19	1	49.75	-.130						1.0
MORF	HN		4	264	ES	19	1	51.540	.120						1.0
MORF	HN		4	264	IAML	19	1	52.36			28	0.2			
MESJ	HZ		68	30	EP	19	1	58.800	.030						1.0
MESJ	HE		68	30	ES	19	2	6.79	-.010						1.0
MESJ	HN		68	30	IAML	19	2	8.45			1	0.1			

November 16 2016 Hour: 20:2616.2 Lat: 22.13S Lon: 177.62W Depth:305F 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	BZ	18011	28	EPKPDF		2045	40.330	.030							1.0
MORF	BZ	18039	30	EPKPDF		2045	40.57	-.030							1.0

November 17 2016 Hour: 5:3836.5 Lat: 40.00N Lon: 13.08W Depth:16F Agency: IGL Regional
 Magnitudes: 2.1ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HN		485	118	ES	540	26.93	-.120							1.0
MESJ	HE		485	118	IAML	540	29.03				2	0.2			
MORF	HZ		488	126	EP	539	40.80	-.010							1.0
MORF	HN		488	126	ES	540	27.860	.130							1.0
MORF	HN		488	126	IAML	540	30.35				7	0.2			

November 17 2016 Hour: 11:2834.1 Lat: 38.30N Lon: 9.42W Depth:30F Agency: IGL Regional
 Magnitudes: 2.0ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN		52	27	ES	1128	49.89	-.040							1.0
GGNV	HN		52	27	IAML	1128	51.41				178	0.3			
MESJ	HZ		117	116	EP	1128	51.610	.140							1.0
MESJ	HE		117	116	ES	1129	4.05	-.090							1.0
MESJ	HN		117	116	IAML	1129	5.31				8	0.2			
MORF	HN		129	148	ES	1129	6.85	-.000							1.0
MORF	HN		129	148	IAML	1129	9.23				26	0.1			

November 17 2016 Hour: 16:56 44.4 Lat: 6.29S Lon: 130.50E Depth:110F 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	BZ14598	316	EP	KPdf		1715	42.980	.060							1.0
MORF	BZ14660	316	EP	KPdf		1715	43.96-	-.060							1.0

November 17 2016 Hour: 20:14 32.9 Lat: 38.77N Lon: 8.04W Depth: 5F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NW ARRADIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	104	189	EP		2014	49.940	.150							1.0
MESJ	HN	104	189	ES		2015	2.05-	-.050							1.0
MESJ	HN	104	189	IAML		2015	3.71			6	0.2				
MORF	HZ	171	198	EP		2014	59.04-	-.110							1.0

November 18 2016 Hour: 7:42 21.5 Lat: 34.70N Lon: 6.29E Depth: 10F Agency: IGL Distant
Rms: 0.0 secs

NORTHERN ALGERIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	1348	289	EP		745	14.300	.030							1.0
MORF	HZ	1376	286	EP		745	17.75-	-.030							1.0

November 18 2016 Hour: 12: 8 19.4 Lat: 34.59N Lon: 6.29E Depth: 10F Agency: IGL Distant
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	HZ	1352	290	EP		1211	12.62-	-.080							1.0

November 18 2016 Hour: 15: 4 28.0 Lat: 35.67N Lon: 5.28W Depth: 11F 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	352	302	EP		15 5	16.04-	-.050							1.0
MORF	HE	352	302	ES		15 5	51.13-	-.110							1.0
MORF	HN	352	302	IAML		15 5	52.35			33	0.3				
MESJ	HZ	356	313	EP		15 5	16.580	.050							1.0
MESJ	HE	356	313	ES		15 5	52.110	.110							1.0
MESJ	HN	356	313	IAML		15 5	54.46			111	0.2				

November 18 2016 Hour: 23:22 47.1 Lat: 40.96N Lon: 22.76E Depth: 8F Agency: IGL Distant
Magnitudes: 4.8Mb 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	2677	273	EP		2328	2.940	.020							1.0
MESJ	BZ	2677	273	IAMB		2328	7.15			34	1.2				

November 19 2016 Hour: 5:33 2.7 Lat: 36.34N Lon: 9.66W Depth: 18F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	140	40	EP		533	23.940	.070							1.0
MORF	HN	140	40	ES		533	39.19-	-.110							1.0
MORF	HN	140	40	IAML		533	42.15			142	0.3				
MESJ	HZ	210	37	EP		533	32.550	.020							1.0
MESJ	HN	210	37	ES		533	54.290	.020							1.0
MESJ	HN	210	37	IAML		533	55.23			35	0.2				

November 19 2016 Hour: 6:11 7.0 Lat: 35.67N Lon: 6.10W Depth: 23F 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	292	309	EP		611	46.71	-.150							1.0
MORF	HE	292	309	ES		612	15.980	.040							1.0
MORF	HN	292	309	IAML		612	16.72			17	0.2				
MESJ	HZ	306	322	EP		611	48.680	.070							1.0
MESJ	HN	306	322	ES		612	19.020	.050							1.0
MESJ	HE	306	322	IAML		612	20.21			18	0.1				

November 19 2016 Hour: 22:52 9.5 Lat: 36.98N Lon: 8.78W Depth: 19F 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	38	18	EP		2252	16.12	-.130							1.0
MORF	HE	38	18	ES		2252	21.14	-.020							1.0
MORF	HE	38	18	IAML		2252	22.43			45	0.1				
MESJ	HZ	108	27	EP		2252	26.490	.030							1.0
MESJ	HE	108	27	ES		2252	38.960	.130							1.0
MESJ	HE	108	27	IAML		2252	40.33			4	0.2				

November 20 2016 Hour: 11:4 30.4 Lat: 37.34N Lon: 8.53W Depth: 1 Agency: IGL Regional
 Magnitudes: 0.7ML 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	11	251	EP		11	4	32.01	-.240						1.0
MORF	HN	11	251	ES		11	4	33.780	.170						1.0
MORF	HN	11	251	IAML		11	4	34.29			68	0.1			
MESJ	HZ	62	26	EP		11	4	40.28	-.080						1.0
MESJ	HN	62	26	ES		11	4	47.800	.150						1.0
MESJ	HN	62	26	IAML		11	4	48.93			3	0.1			

November 20 2016 Hour: 20:57 44.2 Lat: 31.64S Lon: 68.76W Depth: 116F Agency: IGL Distant
 Magnitudes: 6.1Mb IGL Rms: 0.1 secs

SAN JUAN, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9858	44	EP		2110	23.99	-.090							1.0
MORF	BZ	9858	44	IAmb		2110	25.65			139	1.1				
MORF	BN	9858	44	ESKSac		2120	41.86	-.040							1.0
MESJ	BZ	9926	44	EP		2110	26.88	-.000							1.0
MESJ	BZ	9926	44	IAmb		2110	28.96			116	0.5				
MESJ	BE	9926	44	ESKSac		2120	45.490	.050							1.0
GGNV	BZ	9931	42	EP		2110	27.100	.050							1.0
GGNV	BZ	9931	42	IAmb		2110	29.67			266	1.3				
GGNV	BN	9931	42	ESKSac		2120	45.720	.040							1.0

November 21 2016 Hour: 10:23 53.2 Lat: 37.15N Lon: 9.17W Depth: 24F Agency: IGL Regional
 Magnitudes: 1.4ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	50	69	EP		1024	2.100	.270							1.0
MORF	HE	50	69	ES		1024	7.97	-.140							1.0
MORF	HN	50	69	IAML		1024	9.50			38	0.1				
MESJ	HZ	114	47	EP		1024	10.30	-.290							1.0
MESJ	HN	114	47	ES		1024	23.420	.150							1.0
MESJ	HN	114	47	IAML		1024	24.32			4	0.1				

November 21 2016 Hour: 10:27 0.5 Lat: 38.73N Lon: 7.91W Depth: 10F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.2 secs

E ARRAILOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	102	195	EP		1027	17.060	.200							1.0
MESJ	HN	102	195	ES		1027	28.57-	.200							1.0
MESJ	HN	102	195	IAML		1027	29.63			8	0.1				

November 21 2016 Hour: 12:20 35.0 Lat: 36.53N Lon: 7.26W Depth: 32F Agency: IGL Regional
Magnitudes: 1.5ML 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	168	330	EP		1220	58.720	.030							1.0
MESJ	HN	168	330	ES		1221	15.95-	.030							1.0
MESJ	HE	168	330	IAML		1221	18.09			5	0.4				

November 21 2016 Hour: 15:47 37.1 Lat: 36.26N Lon: 8.45W Depth: 1F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	351	EP		1547	55.91-	.130							1.0
MORF	HE	117	351	ES		1548	9.930	.060							1.0
MORF	HN	117	351	IAML		1548	11.99			229	0.4				
MESJ	HZ	176	7	EP		1548	4.35-	.020							1.0
MESJ	HN	176	7	ES		1548	24.390	.100							1.0
MESJ	HN	176	7	IAML		1548	28.45			46	0.3				

November 21 2016 Hour: 20:46 53.3 Lat: 36.44N Lon: 9.23W Depth: 3F 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	109	28	EP		2047	11.110	.170							1.0
MORF	HN	109	28	ES		2047	23.65-	.150							1.0
MORF	HN	109	28	IAML		2047	28.26			10	0.1				
MESJ	HZ	179	30	EP		2047	20.75-	.020							1.0

November 21 2016 Hour: 20:59 49.2 Lat: 37.39N Lon: 141.40E Depth: 11F Agency: IGL Distant
Magnitudes: 7.6Ms 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	BZ11069	337	EPdif			2113	32.230	.110							1.0
GGNV	BZ11069	337	EPP			2117	35.79-	.020							1.0
GGNV	BN11069	337	ESKSac			2124	10.640	.100							1.0
GGNV	BN11069	337	ESS			2131	57.040	.000							1.0
GGNV	BZ11069	337	IAMs_20			2156	0.89			139000	16.3				
MESJ	BZ11125	336	EPdif			2113	34.400	.000							1.0
MESJ	BZ11125	336	EPP			2117	39.67-	.030							1.0
MESJ	BN11125	336	ESKSac			2124	13.200	.110							1.0
MESJ	BN11125	336	ESS			2132	4.14-	.020							1.0
MESJ	BZ11125	336	IAMs_20			22 0	19.65			174000	15.7				
MORF	BZ11194	336	EPdif			2113	37.22-	.010							1.0
MORF	BZ11194	336	EPP			2117	44.39-	.100							1.0
MORF	BN11194	336	ESKSac			2124	16.270	.030							1.0
MORF	BN11194	336	ESS			2132	12.78-	.190							0.9
MORF	BZ11194	336	IAMs_20			22 0	27.52			199000	22.6				

November 22 2016 Hour: 0:19 43.1 Lat: 40.57S Lon: 177.02E Depth: 10F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

OFF EAST COAST OF NORTH ISLAND, NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ19399	125	EPP			045	18.24-	.060							1.0
MORF	BN19399	125	ESS			1 6	40.430	.040							1.0
MORF	BZ19399	125	IAMs_20			2 3	55.10			5169	13.5				

GGNV	BZ19441	109	EPP	045	20.120.060													1.0
GGNV	BE19441	109	ESS	1 6	43.76-.140													1.0
GGNV	BZ19441	109	IAMs_20	159	14.08			8891	29.8									
MESJ	BZ19464	122	EPP	045	21.110.010													1.0
MESJ	BN19464	122	ESS	1 6	46.060.090													1.0
MESJ	BZ19464	122	IAMs_20	2 2	33.04			5601	19.2									

November 22 2016 Hour: 6:11 9.8 Lat: 38.86N Lon: 8.21W Depth: 10F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

SW MORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	113	180	EP		611	27.75-.020								1.0
MESJ	HN	113	180	ES		611	41.060.190								1.0
MESJ	HN	113	180	IAML		611	44.18		21	0.1					
MORF	HZ	177	193	EP		611	36.06-.180								1.0

November 22 2016 Hour: 14:19 57.4Lat: 36.84N Lon: 6.91W Depth: 25F 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
MESJ	HZ	161	314	EP		1420	20.540.090								1.0
MESJ	HN	161	314	ES		1420	37.29-.010								1.0
MESJ	HN	161	314	IAML		1420	38.66		10	0.2					
MORF	HZ	163	289	EP		1420	20.61-.200								1.0
MORF	HE	163	289	ES		1420	38.050.120								1.0
MORF	HN	163	289	IAML		1420	40.07		10	0.2					

November 22 2016 Hour: 16:35 14.1Lat: 36.68N Lon: 7.85W Depth: 19F 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	HN	100	315	ES		1635	41.640.120								1.0
MORF	HN	100	315	IAML		1635	43.71		5	0.1					
MESJ	HZ	133	346	EP		1635	34.10-.140								1.0
MESJ	HN	133	346	ES		1635	48.940.010								1.0
MESJ	HN	133	346	IAML		1635	50.27		7	0.1					

November 22 2016 Hour: 23:32 27.3Lat: 36.70N Lon: 7.15W Depth: 29F 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	158	323	EP		2332	49.870.010								1.0
MESJ	HN	158	323	ES		2333	6.28-.010								1.0
MESJ	HN	158	323	IAML		2333	8.77		1	0.3					

November 23 2016 Hour: 5:31 48.9 Lat: 38.74N Lon: 9.62W Depth: 0 Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

NW CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	158	129	EP		532	14.01-.010								1.0
MESJ	HN	158	129	ES		532	32.350.010								1.0
MESJ	HN	158	129	IAML		532	34.95		1	0.1					

November 23 2016 Hour: 15:48 8.4 Lat: 34.54N Lon: 3.91W Depth: 0 Agency: IGL Regional
Magnitudes: 0.0ML IGL 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	533	315	EP		1549	19.68-.010								1.0

November 23 2016 Hour: 15:53 57.6Lat: 34.53N Lon: 3.88W Depth: 1F Agency: IGL Regional
Magnitudes: 1.8ML 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	529	307	EP		1555	8.33	-.160							1.0
MESJ	HZ	536	315	EP		1555	9.270	.030							1.0
MESJ	HN	536	315	ES		1556	1.650	.130							1.0
MESJ	HN	536	315	IAML		1556	3.46			2	0.2				

November 23 2016 Hour: 18:13 37.2Lat: 37.92N Lon: 8.76W Depth: 11F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

SE SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	48	100	EP		1813	45.230	.060							1.0
MESJ	HE	48	100	ES		1813	51.080	.060							1.0
MESJ	HN	48	100	IAML		1813	52.44			11	0.1				
MORF	HZ	69	172	EP		1813	48.24	-.100							1.0
MORF	HN	69	172	ES		1813	56.47	-.020							1.0
MORF	HN	69	172	IAML		1813	59.37			15	0.2				

November 23 2016 Hour: 21:23 37.6Lat: 37.24N Lon: 141.30E Depth: 10F Agency: IGL Distant
Magnitudes: 6.1Ms 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	BZ11080	337	337	EPP		2141	25.300	.120							1.0
GGNV	BE11080	337	337	IAMs_20		2221	49.22			7510	28.3				
MESJ	BZ11136	336	336	EPdif		2137	23.39	-.050							1.0
MESJ	BZ11136	336	336	EPP		2141	29.04	-.000							1.0
MESJ	BZ11136	336	336	IAMs_20		2224	1.64			5267	20.2				
MORF	BZ11206	336	336	EPdif		2137	26.15	-.120							1.0
MORF	BZ11206	336	336	EPP		2141	33.890	.050							1.0
MORF	BN11206	336	336	IAMs_20		2220	11.62			4704	15.8				

November 24 2016 Hour: 7:9 32.1 Lat: 36.23N Lon: 6.39W Depth: 0 Agency: IGL Regional
Magnitudes: 0.0ML 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	242	318	EP		710	7.52	-.020							1.0

November 24 2016 Hour: 12:40 41.4Lat: 36.93N Lon: 11.05W Depth: 31F 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	217	78	EP		1241	10.33	-.090							1.0
MORF	HN	217	78	ES		1241	31.700	.090							1.0
MORF	HN	217	78	IAML		1241	34.11			2	0.1				

November 24 2016 Hour: 12:58 49.9Lat: 36.01N Lon: 10.58W Depth: 32F 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	225	50	EP		1259	20.43	-.110							1.0
MORF	HN	225	50	ES		1259	42.91	-.030							1.0
MORF	HN	225	50	IAML		1259	45.26			9	0.3				
MESJ	HZ	292	45	EP		1259	28.87	-.050							1.0
MESJ	HN	292	45	ES		1259	57.620	.190							1.0
MESJ	HN	292	45	IAML		13 0	0.06			3	0.2				

November 24 2016 Hour: 16:34 7.2 Lat: 36.52N Lon: 7.49W Depth: 17F 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	135	310	EP		1634	27.63	-.180							1.0
MORF	HE	135	310	ES		1634	42.85	-.030							1.0
MORF	HN	135	310	IAML		1634	43.96			7	0.1				
MESJ	HZ	160	336	EP		1634	30.990	.130							1.0
MESJ	HN	160	336	ES		1634	48.250	.090							1.0
MESJ	HN	160	336	IAML		1634	50.26			4	0.1				

November 24 2016 Hour: 18:43 48.3 Lat: 11.96N Lon: 88.84W Depth: 10F Agency: IGL Distant
Magnitudes: 7.0Ms IGL Rms: 0.1 secs

OFF EAST COAST OF CENTRAL AMERICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8305	53	EP		1855	28.010	.150							1.0
GGNV	BN	8305	53	ES		19 5	4.42	-.030							1.0
GGNV	BZ	8305	53	IAMs_20		1919	23.76		174000		39.8				
MORF	BZ	8358	54	EP		1855	30.730	.020							1.0
MORF	BN	8358	54	ES		19 5	9.77	-.150							1.0
MORF	BZ	8358	54	IAMs_20		1919	24.77		189000		40.2				
MESJ	BZ	8392	54	EP		1855	32.480	.060							1.0
MESJ	BN	8392	54	ES		19 5	13.18	-.050							1.0
MESJ	BZ	8392	54	IAMs_20		1919	53.29		160000		42.9				

November 24 2016 Hour: 21:36 25.8 Lat: 37.31N Lon: 8.54W Depth: 15F Agency: IGL Regional
Magnitudes: 0.4ML 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	10	268	EP		2136	28.60	-.140							1.0
MORF	HN	10	268	ES		2136	30.940	.050							1.0
MORF	HN	10	268	IAML		2136	31.65			14	0.2				
MESJ	HE	65	26	ES		2136	44.210	.100							1.0
MESJ	HE	65	26	IAML		2136	45.02			1	0.1				

November 25 2016 Hour: 14:24 30.0 Lat: 39.24N Lon: 74.05E Depth: 13F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

SOUTHERN XINJIANG, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6906	297	EP		1434	50.870	.070							1.0
MESJ	BZ	6906	297	EPP		1437	7.390	.010							1.0
MESJ	BN	6906	297	ES		1443	16.39	-.110							1.0
MESJ	BN	6906	297	IAMs_20		1453	50.74		72590		47.6				
GGNV	BZ	6929	299	EP		1434	52.160	.030							1.0
GGNV	BE	6929	299	ES		1443	18.88	-.130							1.0
GGNV	BN	6929	299	IAMs_20		1455	31.68		90804		50.5				
MORF	BZ	6969	297	EP		1434	54.59	-.030							1.0
MORF	BE	6969	297	ES		1443	23.830	.160							1.0
MORF	BN	6969	297	IAMs_20		1453	38.97		92101		56.8				

November 25 2016 Hour: 16:20 52.0 Lat: 36.93N Lon: 8.75W Depth: 28F 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	43	12	EP		1620	59.840	.000							1.0
MORF	HN	43	12	ES		1621	5.59	-.000							1.0
MORF	HE	43	12	IAML		1621	6.32			15	0.2				

November 25 2016 Hour: 17:26 34.7 Lat: 36.74N Lon: 9.69W Depth: 30F 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	112	55	EP		1726	51.510	.090							1.0
MORF	HN	112	55	ES		1727	3.640	.010							1.0
MORF	HN	112	55	IAML		1727	4.66			117	0.2				
MESJ	HZ	179	46	EP		1726	59.59-	.090							1.0
MESJ	HN	179	46	ES		1727	17.90-	.020							1.0
MESJ	HE	179	46	IAML		1727	19.12			26	0.1				

November 26 2016 Hour: 9:1 12.1 Lat: 37.32N Lon: 8.57W Depth: 11F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.2 secs

NW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	258	EP		9	14.12-	.170							1.0
MORF	HE	7	258	ES		9	16.080	.180							1.0
MORF	HN	7	258	IAML		9	16.60			59	0.1				
MESJ	HZ	65	28	EP		9	22.57-	.160							1.0
MESJ	HN	65	28	ES		9	30.640	.140							1.0
MESJ	HN	65	28	IAML		9	31.75			1	0.1				

November 26 2016 Hour: 14:30 49.9 Lat: 36.76N Lon: 8.30W Depth: 20F 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	68	333	EP		1431	0.97-	0.06							1.0
MORF	HN	68	333	ES		1431	9.24	0.06							1.0
MORF	HN	68	333	IAML		1431	10.67			8	0.3				

November 26 2016 Hour: 14:41 27.4 Lat: 36.87N Lon: 8.48W Depth: 13F 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	51	343	EP		1441	35.790	.020							1.0
MORF	HN	51	343	ES		1441	41.85-	.050							1.0
MORF	HN	51	343	IAML		1441	43.41			63	0.1				
MESJ	HZ	110	12	EP		1441	44.70-	.030							1.0
MESJ	HN	110	12	ES		1441	57.470	.070							1.0
MESJ	HN	110	12	IAML		1441	59.12			34	0.1				

November 26 2016 Hour: 17:17 57.3 Lat: 36.38N Lon: 9.72W 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	140	43	EP		1718	18.710	.010							1.0
MORF	HN	140	43	ES		1718	34.33-	.010							1.0
MORF	HN	140	43	IAML		1718	35.20			7	0.2				

November 26 2016 Hour: 17:58 5.9 Lat: 36.31N Lon: 9.64W Depth: 21F Agency: IGL Regional
Magnitudes: 1.4ML 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	141	38	EP		1758	26.950	.010							1.0
MORF	HN	141	38	ES		1758	42.30-	.010							1.0
MORF	HN	141	38	IAML		1758	43.68			5	0.2				

November 27 2016 Hour: 4:31 38.3 Lat: 37.37N Lon: 8.51W Depth: 10F Agency: IGL Regional
Magnitudes: 0.3ML 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	14	241	EP		431	41.16	-.010							1.0
MORF	HN	14	241	ES		431	43.280	.010							1.0
MORF	HE	14	241	IAML		431	43.74			10	0.1				

November 28 2016 Hour: 0:9 20.9 Lat: 36.33N Lon: 10.57W Depth: 22F 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	203	57	EP		0 9	49.570	.100							1.0
MORF	HE	203	57	ES		010	10.31	-.010							1.0
MORF	HN	203	57	IAML		010	11.90			46	0.1				
MESJ	HZ	268	51	EP		0 9	57.51	-.020							1.0
MESJ	HN	268	51	ES		010	24.20	-.070							1.0
MESJ	HN	268	51	IAML		010	27.26			10	0.2				

November 28 2016 Hour: 0:36 56.3 Lat: 36.84N Lon: 5.06W Depth: 7F Agency: IGL Regional
Magnitudes: 1.3ML 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	301	293	EP		037	38.40	-.050							1.0
MESJ	HN	301	293	ES		038	9.310	.050							1.0
MESJ	HE	301	293	IAML		038	11.85			1	0.1				

November 28 2016 Hour: 1:55 30.2 Lat: 40.97N Lon: 16.66W Depth: 10F Agency: IGL Regional
Magnitudes: 2.0ML 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	803	118	EP		157	12.80	-.050							1.0
MESJ	HE	805	113	ES		158	28.310	.050							1.0
MESJ	HE	805	113	IAML		158	29.99			1	0.2				

November 28 2016 Hour: 3:43 3.9 Lat: 32.65N Lon: 5.91W Depth: 0 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	574	335	EP		344	20.17	-.070							1.0
MESJ	HZ	613	341	EP		344	25.010	.080							1.0

November 28 2016 Hour: 6:11 6.5 Lat: 36.25N Lon: 8.03W Depth: 0 Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	335	EP		611	27.10	-.260							1.0
MORF	HE	129	335	ES		611	42.760	.180							1.0
MORF	HE	129	335	IAML		611	44.17			3	0.3				
MESJ	HZ	177	355	EP		611	34.000	.080							1.0

November 28 2016 Hour: 6:53 57.6 Lat: 35.31N Lon: 4.62W Depth: 7F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	424	303	EP		654	54.96	-.090							1.0
MORF	HE	424	303	ES		655	36.92	-.100							1.0
MORF	HN	424	303	IAML		655	39.28			29	0.1				
MESJ	HZ	427	312	EP		654	55.490	.120							1.0
MESJ	HN	427	312	ES		655	37.640	.070							1.0
MESJ	HN	427	312	IAML		655	39.33			37	0.1				

November 28 2016 Hour: 19:34 26.7 Lat: 35.42N Lon: 5.03W Depth: 40F Agency: IGL Regional
Magnitudes: 2.4ML 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
MORF	HZ	387	304	EP		1935	17.14	-.080							1.0
MORF	HN	387	304	ES		1935	54.10	-.030							1.0
MORF	HE	387	304	IAML		1935	55.91		12	0.3					
MESJ	HZ	392	314	EP		1935	17.850	.030							1.0
MESJ	HE	392	314	ES		1935	55.250	.070							1.0
MESJ	HN	392	314	IAML		1935	57.05		8	0.1					

November 28 2016 Hour: 22:31 38.5 Lat: 37.21N Lon: 8.74W Depth: 2F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

SE ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	36	EP		2231	40.57	-.090							1.0
MORF	HN	13	36	ES		2231	42.350	.090							1.0
MORF	HN	13	36	IAML		2231	42.75		13	0.2					

November 28 2016 Hour: 23:4 43.5 Lat: 38.63N Lon: 8.45W Depth: 0 Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

SE VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	90	167	EP		23 4	58.080	.050							1.0
MESJ	HE	90	167	ES		23 5	8.57	-.060							1.0
MESJ	HN	90	167	IAML		23 5	10.08		1.00	0.1					
MORF	HN	148	187	ES		23 5	24.660	.020							1.0
MORF	HN	148	187	IAML		23 5	26.63		4	0.3					

November 29 2016 Hour: 5:34 28.0 Lat: 38.06N Lon: 8.55W Depth: 3F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

S GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	38	130	EP		534	33.92	-.210							1.0
MESJ	HE	38	130	ES		534	38.630	.010							1.0
MESJ	HN	38	130	IAML		534	39.67		7	0.1					
MORF	HZ	84	186	EP		534	41.740	.170							1.0
MORF	HN	84	186	ES		534	51.520	.040							1.0
MORF	HN	84	186	IAML		534	52.14		4	0.1					

November 29 2016 Hour: 7:37 9.1 Lat: 36.66N Lon: 11.35W 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	251	73	EP		737	42.99	-.100							1.0
MORF	HE	251	73	ES		738	7.89	-.020							1.0
MORF	HN	251	73	IAML		738	11.46		9	0.3					
MESJ	HZ	307	64	EP		737	50.100	.060							1.0
MESJ	HN	307	64	ES		738	19.990	.060							1.0
MESJ	HN	307	64	IAML		738	23.03		4	0.4					

November 30 2016 Hour: 8:39 58.7 Lat: 36.42N Lon: 2.44W Depth: 23F 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	537	289	EP		841	8.52	-.030							1.0

November 30 2016 Hour: 22:7 29.9 Lat: 21.32S Lon: 179.17W Depth:603F 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	BZ18000		23	EP	KPdf		2226	22.270	.040						1.0
MORF	BZ18034		25	EP	KPdf		2226	22.54	-.040						1.0

December 1 2016 Hour: 2:38 12.5 Lat: 38.24N Lon: 8.99W Depth: 9F Agency: IGL Regional
Magnitudes: 1.1ML IGL
Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ		81	123	EP		238	25.42	-.180						1.0
MESJ	HN		81	123	ES		238	35.320	.150						1.0
MESJ	HN		81	123	IAML		238	36.75			4	0.2			
MORF	HZ		108	164	EP		238	29.860	.160						1.0
MORF	HN		108	164	ES		238	42.14	-.120						1.0
MORF	HN		108	164	IAML		238	43.50			8	0.2			

December 1 2016 Hour: 6:53 5.7 Lat: 43.47N Lon: 14.83W Depth: 24F Agency: IGL Regional
Magnitudes: 2.6ML IGL
Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ		838	136	EP		654	51.200	.110						1.0
MESJ	HN		838	136	ES		656	8.00	-.050						1.0
MESJ	HN		838	136	IAML		656	12.56			3	0.6			
MORF	HZ		862	140	EP		654	54.060	.150						1.0
MORF	HE		862	140	ES		656	12.71	-.210						1.0
MORF	HN		862	140	IAML		656	17.99			6	0.2			

December 1 2016 Hour: 8:39 50.0 Lat: 36.67N Lon: 7.11W 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		163	323	EP		840	13.03	-.010						1.0

December 1 2016 Hour: 22:40 25.5 Lat: 15.32S Lon: 70.82W Depth: 10F Agency: IGL Distant
Magnitudes: 6.2Ms IGL
Rms: 0.1 secs

SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ		8728	46	EP		2252	26.57	-.160						1.0
MORF	BE		8728	46	ES		23 2	23.600	.120						1.0
MORF	BZ		8728	46	IAMs_20		2322	20.20			11627	19.6			
GGNV	BZ		8767	45	EP		2252	28.700	.110						1.0
GGNV	BE		8767	45	ES		23 2	27.140	.010						1.0
GGNV	BZ		8767	45	IAMs_20		2320	33.49			9512	18.4			
MESJ	BZ		8790	46	EP		2252	29.67	-.070						1.0
MESJ	BE		8790	46	ES		23 2	29.34	-.010						1.0
MESJ	BZ		8790	46	IAMs_20		2322	23.79			13252	27.1			

December 2 2016 Hour: 0:36 1.5 Lat: 36.58N Lon: 12.27W Depth: 30F Agency: IGL Regional
Magnitudes: 2.1ML 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		332	75	EP		036	45.650	.000						1.0
MORF	HE		332	75	ES		037	17.86	-.000						1.0
MORF	HE		332	75	IAML		037	20.47			7	0.1			

December 2 2016 Hour: 8:29 19.1 Lat: 38.73N Lon: 9.22W Depth: 3F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

SE AMADORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	132	138	EP		829	40.270	.010							1.0
MESJ	HN	132	138	ES		829	55.70-	.010							1.0
MESJ	HE	132	138	IAML		829	57.84			4	0.1				

December 3 2016 Hour: 2:59 20.3 Lat: 38.43N Lon: 7.23W Depth: 11F Agency: IGL Regional
Magnitudes: 1.3ML 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	109	233	EP		259	37.51-	.010							1.0
MESJ	HN	109	233	ES		259	50.110	.010							1.0
MESJ	HE	109	233	IAML		259	52.85			6	0.3				

December 3 2016 Hour: 9:23 34.2 Lat: 52.24N Lon: 174.20E Depth: 27F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.1 secs

NEAR ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9928	3	EP		936	27.640	.070							1.0
GGNV	BZ	9928	3	IAMs_20		1018	14.12			3537	20.9				
MESJ	BZ10028	2	EP			936	31.890	.080							1.0
MESJ	BZ10028	2	IAMs_20			1016	36.30			3366	16.1				
MORF	BZ10086	2	EP			936	34.14-	.160							1.0
MORF	BN10086	2	ESKSac			947	4.270	.010							1.0
MORF	BZ10086	2	IAMs_20			1017	55.59			3756	18.2				

December 3 2016 Hour: 10:59 15.7 Lat: 37.10N Lon: 8.02W Depth: 0 Agency: IGL Regional
Magnitudes: 2.3ML 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	61	292	EP		1059	25.700	.200							1.0
MORF	HN	61	292	ES		1059	32.49-	.140							1.0
MORF	HN	61	292	IAML		1059	34.92			178	0.1				
MESJ	HZ	84	348	EP		1059	29.16-	.120							1.0
MESJ	HN	84	348	ES		1059	39.230	.060							1.0
MESJ	HN	84	348	IAML		1059	41.92			83	0.1				

December 3 2016 Hour: 18:4 38.2 Lat: 38.15N Lon: 8.16W Depth: 0 Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.2 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	35	189	EP		18	4	44.000	.200						1.0
MESJ	HE	35	189	ES		18	4	47.71-	.200						1.0
MESJ	HN	35	189	IAML		18	4	48.25			12	0.1			

December 3 2016 Hour: 23:35 13.8 Lat: 37.20N Lon: 8.72W Depth: 1 Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

NW LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	27	EP		2335	15.78-	.180							1.0
MORF	HN	13	27	ES		2335	17.640	.100							1.0
MORF	HN	13	27	IAML		2335	18.02			39	0.1				
MESJ	HZ	84	32	EP		2335	27.480	.200							1.0
MESJ	HN	84	32	ES		2335	37.01-	.120							1.0
MESJ	HE	84	32	IAML		2335	38.43			2	0.1				

December 4 2016 Hour: 11:39 11.7 Lat: 36.87N Lon: 2.79W Depth: 11F 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	493	284	EP		1140	17.01	-.030							1.0

December 4 2016 Hour: 21:22 33.6 Lat: 36.25N Lon: 8.11W Depth: 31F 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	338	EP		2122	51.41	-.030							1.0
MESJ	HZ	177	357	EP		2122	57.55	-.050							1.0
MESJ	HE	177	357	ES		2123	15.180	.080							1.0
MESJ	HE	177	357	IAML		2123	16.04			3	0.1				

December 5 2016 Hour: 1:13 7.7 Lat: 7.32S Lon: 123.40E Depth: 526F Agency: IGL Distant
Rms: 0.0 secs

BANDA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14115	312	EP	KPdf		131	11.13	-.030							1.0
MORF	BZ14172	312	EP	KPdf		131	12.220	.030							1.0

December 5 2016 Hour: 14:18 13.7 Lat: 37.53N Lon: 9.11W Depth: 11F Agency: IGL Regional
Magnitudes: 1.8ML 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	48	121	EP		1418	21.49	-.090							1.0
MORF	HE	48	121	ES		1418	27.440	.090							1.0
MORF	HN	48	121	IAML		1418	29.37			108	0.1				
MESJ	HZ	86	66	EP		1418	27.27	-.120							1.0
MESJ	HN	86	66	ES		1418	37.510	.110							1.0
MESJ	HN	86	66	IAML		1418	38.87			19	0.3				

December 5 2016 Hour: 21:50 18.7 Lat: 36.64N Lon: 11.23W Depth: 30F 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	241	71	EP		2150	51.560	.070							1.0
MORF	HE	241	71	ES		2151	15.26	-.190							1.0
MORF	HN	241	71	IAML		2151	16.85			24	0.3				
MESJ	HZ	298	63	EP		2150	58.670	.110							1.0
MESJ	HN	298	63	ES		2151	27.690	.020							1.0
MESJ	HE	298	63	IAML		2151	31.15			6	0.1				

December 6 2016 Hour: 1:43 41.0 Lat: 37.21N Lon: 3.65W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	410	281	EP		144	37.40	-.010							1.0

December 6 2016 Hour: 4:51 2.2 Lat: 4.71N Lon: 77.24W Depth: 41F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 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	7811	52	EP		5 2	10.980	.110							1.0
MORF	BZ	7811	52	IAMB		5 2	12.18			24	0.9				
MESJ	BZ	7858	52	EP		5 2	13.30	-.110							1.0
MESJ	BZ	7858	52	IAMB		5 2	13.98			9	0.8				

December 6 2016 Hour: 12:52 25.4 Lat: 38.19N Lon: 9.52W Depth: 1F 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
MESJ	HZ	121	108	EP		1252	44.82	-.060							1.0
MESJ	HE	121	108	ES		1252	59.140	.060							1.0
MESJ	HN	121	108	IAML		1253	0.97			5	0.2				

December 6 2016 Hour: 14:0 42.3 Lat: 32.30N Lon: 7.75W Depth: 16F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	562	352	EP		14	1	55.51	-.010						1.0

December 6 2016 Hour: 16:29 36.0 Lat: 36.55N Lon: 9.78W Depth: 12F 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	131	50	EP		1629	56.39	-.110							1.0
MORF	HE	131	50	ES		1630	11.520	.020							1.0
MORF	HN	131	50	IAML		1630	13.37			38	0.1				
MESJ	HZ	199	44	EP		1630	4.86	-.080							1.0
MESJ	HN	199	44	ES		1630	26.260	.180							1.0
MESJ	HN	199	44	IAML		1630	29.77			14	0.1				

December 6 2016 Hour: 19:29 30.2 Lat: 36.49N Lon: 9.61W Depth: 17F 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	125	43	EP		1929	49.490	.040							1.0
MORF	HN	125	43	ES		1930	3.51	-.040							1.0
MORF	HN	125	43	IAML		1930	6.43			4	0.3				

December 6 2016 Hour: 19:51 45.7 Lat: 35.78N Lon: 17.48W Depth: 20F 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	808	75	EP		1953	27.96	-.020							1.0
MORF	HE	808	75	ES		1954	42.57	-.100							1.0
MORF	HE	808	75	IAML		1954	43.76			2	0.2				
MESJ	HZ	857	72	EP		1953	33.700	.020							1.0
MESJ	HN	857	72	ES		1954	52.650	.120							1.0
MESJ	HN	857	72	IAML		1954	55.06			2	0.5				

December 6 2016 Hour: 21:42 21.3 Lat: 11.07N Lon: 60.90W Depth: 35F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

TRINIDAD REGION, TRINIDAD-TOBAGO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5959	52	EP		2151	38.61	-.080							1.0
MORF	BZ	5959	52	IAMB		2151	41.98			15	0.8				
MORF	BN	5959	52	ES		2159	10.160	.020							1.0
GGNV	BZ	5960	50	EP		2151	38.61	-.040							1.0
GGNV	BZ	5960	50	IAMB		2151	42.60			29	0.8				
GGNV	BE	5960	50	ES		2159	10.110	.030							1.0
MESJ	BZ	6012	51	EP		2151	42.05	-.030							1.0
MESJ	BZ	6012	51	IAMB		2151	45.85			108	2.2				
MESJ	BE	6012	51	ES		2159	16.510	.100							1.0

December 7 2016 Hour: 14:33 50.3 Lat: 35.62N Lon: 8.92W Depth: 31F 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	189	7	EP		1434	15.66	-.100							1.0
MORF	HN	189	7	ES		1434	34.380	.020							1.0
MORF	HN	189	7	IAML		1434	36.31			43	0.2				
MESJ	HZ	254	14	EP		1434	23.990	.130							1.0
MESJ	HN	254	14	ES		1434	48.33	-.040							1.0
MESJ	HN	254	14	IAML		1434	51.11			21	0.0				

December 7 2016 Hour: 20:24 47.2 Lat: 37.15N Lon: 7.38W Depth: 15F 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
MESJ	HZ	107	316	EP		2025	3.88	-.120							1.0
MESJ	HN	107	316	ES		2025	16.370	.070							1.0
MESJ	HN	107	316	IAML		2025	18.12			4	0.1				
MORF	HZ	114	279	EP		2025	5.11	-.040							1.0
MORF	HN	114	279	ES		2025	18.380	.100							1.0
MORF	HN	114	279	IAML		2025	20.29			10	0.3				

December 7 2016 Hour: 21:28 31.1 Lat: 38.06N Lon: 8.35W Depth: 5F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 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	27	155	EP		2128	35.600	.070							1.0
MESJ	HN	27	155	ES		2128	38.70	-.070							1.0
MESJ	HN	27	155	IAML		2128	40.15			3	0.1				

December 7 2016 Hour: 21:45 40.4 Lat: 36.83N Lon: 12.40W Depth: 7F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	337	80	EP		2146	27.060	.000							1.0
MORF	HE	337	80	ES		2147	1.00	-.110							1.0
MORF	HN	337	80	IAML		2147	5.41			18	0.2				
MESJ	HZ	386	72	EP		2146	33.190	.030							1.0
MESJ	HN	386	72	ES		2147	11.760	.090							1.0
MESJ	HE	386	72	IAML		2147	15.58			9	0.2				

December 8 2016 Hour: 5:15 4.4 Lat: 43.82N Lon: 86.30E Depth: 14F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.1 secs

NORTHERN XINJIANG, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7547	302	EP		526	2.55	-.050							1.0
MESJ	BN	7547	302	ES		535	1.580	.030							1.0
MESJ	BZ	7547	302	IAMs_20		558	55.51			18314	16.1				
GGNV	BZ	7549	303	EP		526	2.64	-.030							1.0
GGNV	BN	7549	303	ES		535	1.730	.040							1.0
GGNV	BZ	7549	303	IAMs_20		558	22.41			22260	11.8				
MORF	BZ	7613	301	EP		526	6.27	-.170							1.0
MORF	BZ	7613	301	EPP		528	37.520	.120							1.0
MORF	BN	7613	301	ES		535	8.870	.040							1.0
MORF	BN	7613	301	IAMs_20		553	39.68			16695	22.5				

December 8 2016 Hour: 6:4 16.4 Lat: 37.30N Lon: 8.54W Depth: 14F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	274	EP		6 4	19.05	-.160							1.0
MORF	HE	10	274	ES		6 4	21.410	.150							1.0
MORF	HN	10	274	IAML		6 4	21.75			46	0.2				

MESJ HN 66 25 ES 6 4 34.950.010 1.0
 MESJ HN 66 25 IAML 6 4 37.20 5 0.2

**December 8 2016 Hour: 9:46 29.6 Lat: 36.74N Lon: 7.50W Depth: 29F Agency: IGL Regional
 Magnitudes: 1.3ML IGL Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	138	333	EP		946	49.51	-.060							1.0
MESJ	HN	138	333	ES		947	4.210	.060							1.0
MESJ	HN	138	333	IAML		947	6.17			5	0.1				

**December 8 2016 Hour: 14:49 46.6 Lat: 40.47N Lon: 126.15W Depth: 12F Agency: IGL Distant
 Magnitudes: 6.5Ms IGL Rms: 0.1 secs**

OFF COAST OF NORTHERN CALIFORNIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9163	45	EP		15 2	8.840	.080							1.0
GGNV	BN	9163	45	ES		1512	25.31	-.110							1.0
GGNV	BZ	9163	45	IAMs_20		1537	33.27		20964	23.3					
MESJ	BZ	9290	45	EP		15 2	14.720	.020							1.0
MESJ	BZ	9290	45	IAMs_20		1541	32.40		17378	14.4					
MORF	BZ	9307	45	EP		15 2	15.580	.000							1.0
MORF	BZ	9307	45	IAMs_20		1540	15.90		22907	26.7					

**December 8 2016 Hour: 17:17 11.1 Lat: 36.58N Lon: 7.19W Depth: 26F 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	167	327	EP		1717	34.92	-.010							1.0
MESJ	HN	167	327	ES		1717	52.330	.010							1.0
MESJ	HN	167	327	IAML		1717	54.23			4	0.2				

**December 8 2016 Hour: 17:38 46.4 Lat: 10.68S Lon: 161.33E Depth: 41F Agency: IGL Distant
 Rms: 0.0 secs**

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	16786	345	EPKpdf		1758	28.020	.040							1.0
MESJ	BZ	16849	343	EPKpdf		1758	28.890	.020							1.0
MORF	BZ	16918	343	EPKpdf		1758	29.80	-.060							1.0

**December 8 2016 Hour: 22:22 12.3 Lat: 36.67N Lon: 11.22W Depth: 28F 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
MESJ	HZ	296	63	EP		2222	52.03	-.030							1.0
MESJ	HE	296	63	ES		2223	21.100	.030							1.0
MESJ	HN	296	63	IAML		2223	23.72			4	0.2				

**December 9 2016 Hour: 20:39 6.3 Lat: 35.17N Lon: 5.64W Depth: 22F 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	376	323	EP		2039	56.24	-.050							1.0
MESJ	HN	376	323	ES		2040	32.860	.050							1.0

**December 10 2016 Hour: 13:9 18.9 Lat: 37.19N Lon: 8.72W Depth: 1F Agency: IGL Regional
 Magnitudes: 0.4ML IGL Rms: 0.1 secs**

NW LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	25	EP		13 9	21.20	-.040							1.0
MORF	HE	14	25	ES		13 9	22.85	-.080							1.0
MORF	HE	14	25	IAML		13 9	23.48			12	0.1				
MESJ	HZ	85	31	EP		13 9	32.600	.040							1.0
MESJ	HN	85	31	ES		13 9	42.590	.080							1.0
MESJ	HN	85	31	IAML		13 9	45.42			2	0.2				

December 10 2016 Hour: 16:24 35.9 Lat: 5.66S Lon: 154.49E Depth:157F Agency: IGL Distant
Rms: 0.0 secs

BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16019	338	EP	KPdf		1643	51.85	-.060							1.0
MESJ	BZ16064	336	EP	KPdf		1643	52.670	.040							1.0
MORF	BZ16134	336	EP	KPdf		1643	53.780	.020							1.0

December 10 2016 Hour: 17:13 30.2 Lat: 36.30N Lon: 7.93W Depth: 26F Agency: IGL Regional
Magnitudes: 1.1ML IGL
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	330	EP		1713	49.14	-.170							1.0
MESJ	HZ	173	352	EP		1713	54.930	.200							1.0
MESJ	HE	173	352	ES		1714	12.62	-.030							1.0
MESJ	HE	173	352	IAML		1714	13.97			2	0.1				

December 12 2016 Hour: 1:50 18.2 Lat: 36.77N Lon: 7.34W Depth: 5F Agency: IGL Regional
Magnitudes: 1.1ML IGL
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	131	297	EP		150	39.360	.240							1.0
MORF	HN	131	297	ES		150	54.28	-.110							1.0
MORF	HE	131	297	IAML		150	57.05			5	0.2				
MESJ	HZ	142	327	EP		150	40.78	-.010							1.0
MESJ	HN	142	327	ES		150	57.16	-.120							1.0
MESJ	HN	142	327	IAML		150	59.14			2	0.1				

December 12 2016 Hour: 2:56 58.7 Lat: 30.98S Lon: 68.07W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL
Rms: 0.0 secs

SAN JUAN, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9827	43	EP		3 9	50.680	.040							1.0
MESJ	BZ	9827	43	IAMB		3 9	58.47			10	0.7				

December 12 2016 Hour: 3:25 36.3 Lat: 36.24N Lon: 8.45W Depth: 10F 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	120	351	EP		325	55.12	-.070							1.0
MORF	HE	120	351	ES		326	9.160	.140							1.0
MORF	HE	120	351	IAML		326	10.01			3	0.1				
MESJ	HZ	179	7	EP		326	2.81	-.080							1.0
MESJ	HN	179	7	ES		326	22.330	.000							1.0
MESJ	HN	179	7	IAML		326	22.99			1	0.2				

December 12 2016 Hour: 3:30 44.3 Lat: 36.62N Lon: 12.66W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML 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	365	77	EP		331	31.51	-.140							1.0
MORF	HN	365	77	ES		332	6.08	-.170							1.0
MORF	HN	365	77	IAML		332	8.33			5	0.3				
MESJ	HZ	417	70	EP		331	37.930	.060							1.0
MESJ	HE	417	70	ES		332	17.270	.260							1.0
MESJ	HN	417	70	IAML		332	20.19			1	0.1				

December 12 2016 Hour: 5:24 50.1 Lat: 37.51N Lon: 7.59W Depth: 19F Agency: IGL Regional
Magnitudes: 3.8ML IGL Rms: 0.1 secs

NW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	67	304	EP		525	0.960	.040							1.0
MESJ	HN	67	304	ES		525	8.900	.050							1.0
MESJ	HN	67	304	IAML		525	10.36			3091	0.2				
MORF	HZ	97	257	EP		525	5.38	-.070							1.0
MORF	HN	97	257	ES		525	16.57	-.110							1.0
MORF	HE	97	257	IAML		525	17.78			2678	0.3				
GGNV	HZ	191	315	EP		525	17.520	.090							0.9

December 12 2016 Hour: 5:32 21.2 Lat: 37.53N Lon: 7.59W Depth: 15F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	65	302	EP		532	31.860	.100							1.0
MESJ	HE	65	302	ES		532	39.49	-.010							1.0
MESJ	HN	65	302	IAML		532	41.08			5	0.1				
MORF	HZ	97	256	EP		532	36.650	.070							1.0
MORF	HN	97	256	ES		532	47.68	-.160							1.0
MORF	HE	97	256	IAML		532	49.26			4	0.3				

December 12 2016 Hour: 5:33 22.8 Lat: 37.50N Lon: 7.59W Depth: 20F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

NW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	67	304	EP		533	33.800	.020							1.0
MESJ	HE	67	304	ES		533	41.870	.070							1.0
MESJ	HN	67	304	IAML		533	43.30			43	0.2				
MORF	HZ	96	257	EP		533	38.02	-.120							1.0
MORF	HN	96	257	ES		533	49.370	.030							1.0
MORF	HN	96	257	IAML		533	50.94			64	0.3				

December 12 2016 Hour: 6:28 45.1 Lat: 37.51N Lon: 7.60W Depth: 20F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

NW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	66	304	EP		628	55.83	-.040							1.0
MESJ	HN	66	304	ES		629	3.760	.020							1.0
MESJ	HN	66	304	IAML		629	4.91			29	0.1				
MORF	HZ	96	257	EP		629	0.370	.030							1.0
MORF	HN	96	257	ES		629	11.47	-.010							1.0
MORF	HN	96	257	IAML		629	14.15			37	0.1				

December 12 2016 Hour: 9:42 22.8 Lat: 36.53N Lon: 7.77W Depth: 17F 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	117	318	EP		942	41.150	.060							1.0
MORF	HN	117	318	ES		942	54.35	-.100							1.0
MORF	HN	117	318	IAML		942	55.22			5	0.1				
MESJ	HZ	151	345	EP		942	45.480	.180							1.0
MESJ	HN	151	345	ES		943	1.61	-.130							1.0
MESJ	HN	151	345	IAML		943	3.04			3	0.1				

December 12 2016 Hour: 9:55 53.8 Lat: 43.10N Lon: 14.56W Depth: 19F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	793	135	EP		957	34.38	-.020							1.0
MORF	HZ	816	140	EP		957	37.120	.000							1.0
MORF	HN	816	140	ES		958	52.570	.020							1.0

MORF HN 816 140 IAML 958 58.20 3 0.4

**December 12 2016 Hour: 13:53 54.2 Lat: 35.29N Lon: 5.89W Depth: 4F Agency: IGL Regional
Magnitudes: 1.7ML 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	HN	334	313	ES		1355	14.64	-.080							1.0
MORF	HE	334	313	IAML		1355	16.32			2	0.1				
MESJ	HZ	351	324	EP		1354	42.80	-.070							1.0
MESJ	HE	351	324	ES		1355	18.580	.150							1.0
MESJ	HE	351	324	IAML		1355	20.24			3	0.1				

**December 12 2016 Hour: 15:36 43.6 Lat: 35.81N Lon: 8.83W Depth: 29F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	167	5	EP		1537	7.17	-.100							1.0
MORF	HE	167	5	ES		1537	24.560	.040							1.0
MORF	HE	167	5	IAML		1537	25.82			121	0.1				
MESJ	HZ	232	13	EP		1537	15.400	.100							1.0
MESJ	HE	232	13	ES		1537	38.38	-.030							1.0
MESJ	HN	232	13	IAML		1537	40.45			26	0.2				

**December 12 2016 Hour: 15:54 0.1 Lat: 0.85N Lon: 79.79W Depth: 34F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs**

NEAR COAST OF ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8298	52	EP		16 5	35.700	.040							1.0
MORF	BZ	8298	52	IAMB		16 5	37.51			21	1.1				
MESJ	BZ	8346	51	EP		16 5	38.09	-.040							1.0
MESJ	BZ	8346	51	IAMB		16 5	39.96			7	0.8				

**December 12 2016 Hour: 17:44 54.3 Lat: 37.53N Lon: 7.60W Depth: 19F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs**

NW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	65	302	EP		1745	4.920	.070							1.0
MESJ	HE	65	302	ES		1745	12.730	.160							1.0
MESJ	HN	65	302	IAML		1745	14.48			74	0.1				
MORF	HZ	96	255	EP		1745	9.53	-.090							1.0
MORF	HE	96	255	ES		1745	20.67	-.150							1.0
MORF	HN	96	255	IAML		1745	22.29			51	0.3				

**December 12 2016 Hour: 20:10 14.8 Lat: 36.61N Lon: 11.18W Depth: 28F Agency: IGL Regional
Magnitudes: 1.5ML 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	238	70	EP		2010	47.24	-.080							1.0
MORF	HE	238	70	ES		2011	10.98	-.110							1.0
MORF	HN	238	70	IAML		2011	12.32			4	0.2				
MESJ	HZ	296	62	EP		2010	54.540	.060							1.0
MESJ	HN	296	62	ES		2011	23.610	.140							1.0
MESJ	HE	296	62	IAML		2011	24.75			1	0.1				

**December 12 2016 Hour: 21:53 5.2 Lat: 36.56N Lon: 9.84W Depth: 15F Agency: IGL Regional
Magnitudes: 0.9ML 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	134	52	EP		2153	25.82	-.050							1.0
MORF	HN	134	52	ES		2153	41.050	.070							1.0
MORF	HN	134	52	IAML		2153	42.25			2	0.2				
MESJ	HZ	202	45	EP		2153	34.21	-.020							1.0

December 12 2016 Hour: 21:55 11.6 Lat: 36.60N Lon: 7.57W Depth: 24F 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	124	309	EP		2155	30.11	-.140							1.0
MORF	HE	124	309	ES		2155	43.79	-.080							1.0
MORF	HN	124	309	IAML		2155	45.02			4	0.1				
MESJ	HZ	149	337	EP		2155	33.440	.110							1.0
MESJ	HE	149	337	ES		2155	49.310	.110							1.0
MESJ	HN	149	337	IAML		2155	50.73			3	0.1				

December 13 2016 Hour: 0:22 59.0 Lat: 36.52N Lon: 7.16W Depth: 30F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	159	304	EP		023	21.630	.070							1.0
MORF	HE	159	304	ES		023	38.02	-.030							1.0
MORF	HE	159	304	IAML		023	39.75			8	0.2				
MESJ	HZ	174	328	EP		023	23.610	.200							1.0
MESJ	HN	174	328	ES		023	41.00	-.250							1.0
MESJ	HE	174	328	IAML		023	42.95			4	0.1				

December 13 2016 Hour: 2:46 35.3 Lat: 18.86S Lon: 177.99W Depth: 444F 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	BZ17703		23	EPKpdf		3 5	41.010	.100							1.0
MORF	BZ17737		25	EPKpdf		3 5	41.22	-.100							1.0

December 13 2016 Hour: 3:47 42.2 Lat: 36.66N Lon: 8.71W Depth: 11F 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	72	4	EP		347	53.960	.130							1.0
MORF	HN	72	4	ES		348	2.21	-.130							1.0
MORF	HN	72	4	IAML		348	3.73			11	0.2				

December 13 2016 Hour: 3:53 37.3 Lat: 39.48N Lon: 13.00W Depth: 11F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	450	121	EP		354	37.520	.040							1.0
MORF	HN	450	121	ES		355	21.40	-.040							1.0
MORF	HE	450	121	IAML		355	22.92			2	0.1				

December 13 2016 Hour: 8:54 47.4 Lat: 36.92N Lon: 8.63W Depth: 12F 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	43	358	EP		854	54.46	-.100							1.0
MORF	HN	43	358	ES		854	59.78	-.030							1.0
MORF	HN	43	358	IAML		855	0.14			3	0.2				
MESJ	HN	108	19	ES		855	17.070	.140							1.0
MESJ	HN	108	19	IAML		855	17.86			2	0.2				

December 13 2016 Hour: 11:33 32.5 Lat: 37.51N Lon: 7.60W Depth: 19F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

NW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	66	304	EP		1133	43.310	.010							1.0
MESJ	HN	66	304	ES		1133	51.13	-.010							1.0
MESJ	HN	66	304	IAML		1133	52.25			4	0.1				

December 13 2016 Hour: 13: 8 30.3 Lat: 38.47N Lon: 7.89W Depth: 20F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

SE EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	76	203	EP		13 8	42.710	.200							1.0
MESJ	HN	76	203	ES		13 8	51.31	-.150							1.0
MESJ	HN	76	203	IAML		13 8	52.37			57	0.1				
MORF	HZ	145	208	EP		13 8	51.85	-.040							1.0

December 13 2016 Hour: 15:58 13.4 Lat: 36.33N Lon: 8.14W Depth: 31F 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	118	337	EP		1558	29.91	-.130							1.0
MORF	HN	118	337	ES		1558	42.260	.070							1.0
MORF	HN	118	337	IAML		1558	46.03			10	0.1				
MESJ	HZ	168	358	EP		1558	36.20	-.030							1.0
MESJ	HE	168	358	ES		1558	53.010	.100							1.0
MESJ	HN	168	358	IAML		1558	54.20			7	0.1				

December 13 2016 Hour: 17:47 7.8 Lat: 36.57N Lon: 9.74W Depth: 15F Agency: IGL Regional
Magnitudes: 1.4ML 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	127	50	EP		1747	27.57	-.030							1.0
MORF	HE	127	50	ES		1747	42.02	-.010							1.0
MORF	HN	127	50	IAML		1747	42.83			5	0.1				
MESJ	HZ	195	43	EP		1747	36.02	-.020							1.0
MESJ	HE	195	43	ES		1747	56.700	.070							1.0
MESJ	HE	195	43	IAML		1747	58.99			3	0.2				

December 14 2016 Hour: 13:26 28.2 Lat: 36.62N Lon: 7.23W 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
MORF	HN	148	301	ES		1327	3.44	-.040							1.0
MORF	HN	148	301	IAML		1327	4.60			7	0.2				
MESJ	HZ	161	327	EP		1326	50.320	.070							1.0
MESJ	HE	161	327	ES		1327	6.33	-.030							1.0
MESJ	HN	161	327	IAML		1327	6.90			3	0.1				

December 14 2016 Hour: 18:29 58.2 Lat: 37.06N Lon: 4.19W Depth: 0 Agency: IGL Regional
Magnitudes: 0.0ML IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	367	285	EP		1830	49.20	-.040							1.0
MORF	HZ	397	275	EP		1830	53.040	.040							1.0

December 15 2016 Hour: 3:46 31.3 Lat: 37.33N Lon: 8.54W Depth: 16F Agency: IGL Regional
Magnitudes: 1.4ML 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	255	EP		346	34.10	-.280							1.0
MORF	HE	10	255	ES		346	36.760	.130							1.0
MORF	HN	10	255	IAML		346	37.52			87	0.1				
MESJ	HZ	63	26	EP		346	41.730	.150							1.0
MESJ	HN	63	26	ES		346	49.110	.010							1.0
MESJ	HN	63	26	IAML		346	50.51			26	0.2				

December 15 2016 Hour: 6:27 28.6 Lat: 36.98N Lon: 10.78W Depth: 10F 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	193	79	EP		627	56.990	.030							1.0
MORF	HN	193	79	ES		628	17.65	-.040							1.0
MORF	HE	193	79	IAML		628	19.39			5	0.1				
MESJ	HZ	246	66	EP		628	3.50	-.050							1.0
MESJ	HN	246	66	ES		628	29.140	.060							1.0
MESJ	HN	246	66	IAML		628	32.18			5	0.2				

December 15 2016 Hour: 9:43 28.3 Lat: 36.20N Lon: 8.55W Depth: 12F Agency: IGL Regional
Magnitudes: 2.2ML 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	123	356	EP		943	47.61	-.010							1.0
MORF	HE	123	356	ES		944	1.700	.010							1.0
MORF	HE	123	356	IAML		944	4.24			42	0.2				

December 15 2016 Hour: 18:50 57.2 Lat: 36.37N Lon: 8.42W Depth: 13F 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	106	349	EP		1851	13.80	-.150							1.0
MORF	HN	106	349	ES		1851	26.320	.150							1.0
MORF	HE	106	349	IAML		1851	27.50			45	0.1				
MESJ	HZ	164	6	EP		1851	21.66	-.060							1.0
MESJ	HN	164	6	ES		1851	39.680	.060							1.0
MESJ	HN	164	6	IAML		1851	40.89			27	0.2				

December 15 2016 Hour: 20:16 2.5 Lat: 35.55N Lon: 3.80W Depth: 0 Agency: IGL Regional
Magnitudes: 2.6ML 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	469	304	EP		2017	6.16	-.020							1.0
MESJ	HE	469	304	ES		2017	52.670	.020							1.0
MESJ	HN	469	304	IAML		2017	56.73			11	0.5				

December 16 2016 Hour: 1:37 59.3 Lat: 35.63N Lon: 6.71W Depth: 30F Agency: IGL Regional
Magnitudes: 1.5ML 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	280	332	EP		138	36.89	-.030							1.0
MESJ	HN	280	332	ES		139	4.370	.030							1.0
MESJ	HE	280	332	IAML		139	5.81			3	0.1				

December 16 2016 Hour: 19:33 7.6 Lat: 37.26N Lon: 9.12W Depth: 30F Agency: IGL Regional
Magnitudes: 2.2ML 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	42	83	EP		1933	15.550	.040							1.0
MORF	HE	42	83	ES		1933	21.300	.010							1.0
MORF	HE	42	83	IAML		1933	22.11			387	0.1				
MESJ	HZ	102	51	EP		1933	23.06	-.050							1.0
MESJ	HE	102	51	ES		1933	34.440	.000							1.0
MESJ	HE	102	51	IAML		1933	37.02			20	0.2				

December 17 2016 Hour: 10:51 8.4 Lat: 4.51S Lon: 153.45E Depth:103F Agency: IGL Distant
Magnitudes: 7.7Ms IGL Rms: 0.0 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	BZ15858	337		EPKPdf		1110	28.46	-.040							1.0
GGNV	BZ15858	337		IAMs_20		1232	34.20			154000	20.9				
MESJ	BZ15901	336		EPKPdf		1110	29.260	.050							1.0
MESJ	BZ15901	336		IAMs_20		1234	38.26			210000	31.9				
MORF	BZ15971	336		EPKPdf		1110	30.35	-.010							1.0
MORF	BZ15971	336		IAMs_20		1234	15.52			169000	22.6				

December 17 2016 Hour: 11:27 40.3 Lat: 5.69S Lon: 153.95E Depth: 36F Agency: IGL Distant
Rms: 0.0 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
MESJ	BZ16043	336		EPKPdf		1147	11.580	.030							1.0
MORF	BZ16113	336		EPKPdf		1147	12.66	-.030							1.0

December 17 2016 Hour: 12:52 43.4 Lat: 38.17N Lon: 8.34W Depth: 0 Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

E GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	38	164	EP		1252	49.610	.020							1.0
MESJ	HE	38	164	ES		1252	54.07	-.020							1.0
MESJ	HN	38	164	IAML		1252	55.34			8	0.1				

December 17 2016 Hour: 13:22 35.3 Lat: 6.37S Lon: 154.45E Depth: 51F 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
MESJ	BZ16134	336		EPKPdf		1342	6.150	.070							1.0
MORF	BZ16204	336		EPKPdf		1342	7.14	-.070							1.0

December 17 2016 Hour: 14:58 32.2 Lat: 37.35N Lon: 2.23W 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	532	278	EP		1459	43.36	-.000							1.0

December 18 2016 Hour: 5:46 30.3 Lat: 10.23S Lon: 161.20E Depth: 39F 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
GGNV	BZ16735	345		EPKP		6 6	11.24	-.150							1.0
MESJ	BZ16797	343		EPKP		6 6	12.350	.070							1.0
MORF	BZ16866	343		EPKP		6 6	13.350	.070							1.0

December 18 2016 Hour: 6: 6 14.3 Lat: 36.72N Lon: 10.80W Depth: 29F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	202	71	EP		6 6	42.290	.010							1.0
MORF	HE	202	71	ES		6 7	2.800	.070							1.0
MORF	HN	202	71	IAML		6 7	3.64			104	0.1				
MESJ	HZ	260	61	EP		6 6	49.37	-.120							1.0
MESJ	HN	260	61	ES		6 7	15.220	.010							1.0
MESJ	HE	260	61	IAML		6 7	17.99			44	0.2				
GGNV	HN	265	33	ES		6 7	16.220	.020							1.0
GGNV	HN	265	33	IAML		6 7	18.08			137	0.4				

December 18 2016 Hour: 9:47 4.9 Lat: 8.33N Lon: 137.67E Depth: 13F Agency: IGL Distant
Rms: 0.0 secs

STATE OF YAP, MICRONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13795	329	EPP			10	7	46.190.030							1.0
MESJ	BZ13815	328	EPP			10	7	47.35-.010							1.0
MORF	BZ13884	327	EPP			10	7	51.58-.020							1.0

December 18 2016 Hour: 12:139.0 Lat: 35.15N Lon: 5.88W Depth: 11F 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	HN	345	315	ES		12	3	0.64-.100							1.0
MORF	HN	345	315	IAML		12	3	2.11		5	0.1				
MESJ	HZ	365	326	EP		12	2	28.660.060							1.0
MESJ	HN	365	326	ES		12	3	4.890.050							1.0
MESJ	HN	365	326	IAML		12	3	6.45		15	0.5				

December 18 2016 Hour: 13:30 12.9 Lat: 9.97S Lon: 70.97W Depth: 619F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.0 secs

PERU-BRAZIL BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8333	47	EP		1340	52.050.040								1.0
MORF	BZ	8333	47	IAMB		1340	53.87			1491	1.4				
MORF	BE	8333	47	ES		1349	40.870.020								1.0
GGNV	BZ	8361	46	EP		1340	53.350.010								1.0
GGNV	BZ	8361	46	IAMB		1340	56.08			309	0.7				
GGNV	BE	8361	46	ES		1349	43.510.060								1.0
MESJ	BZ	8393	47	EP		1340	54.89-.040								1.0
MESJ	BZ	8393	47	IAMB		1340	58.96			253	0.6				
MESJ	BE	8393	47	ES		1349	46.43-.080								1.0

December 18 2016 Hour: 20:251.2 Lat: 37.31N Lon: 8.56W Depth: 14F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	267	EP		20	2	53.65-.240							1.0
MORF	HN	8	267	ES		20	2	55.850.020							1.0
MORF	HE	8	267	IAML		20	2	56.63		7	0.1				
MESJ	HZ	66	27	EP		20	3	2.050.130							1.0
MESJ	HN	66	27	ES		20	3	9.820.100							1.0
MESJ	HN	66	27	IAML		20	3	10.68		2	0.2				

December 18 2016 Hour: 19:57 52.8 Lat: 6.06S Lon: 154.71E Depth: 35F Agency: IGL Distant
Rms: 0.0 secs

BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16114	336	EPKpdf			2017	25.26-.030								1.0
MORF	BZ16184	336	EPKpdf			2017	26.450.030								1.0

December 19 2016 Hour: 7:11 39.7 Lat: 0.82N Lon: 79.74W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

NEAR COAST OF ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8295	52	EP		723	18.810.000								1.0
MORF	BZ	8295	52	IAMB		723	20.11			56	1.1				
MESJ	BZ	8344	51	EP		723	21.29-.000								1.0
MESJ	BZ	8344	51	IAMB		723	22.74			22	0.8				

December 19 2016 Hour: 19:47 1.7 Lat: 35.65N Lon: 3.66W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML 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	474	302	EP		1948	5.76	-.220							1.0
MESJ	HN	474	302	ES		1948	52.960	.070							1.0
MESJ	HN	474	302	IAML		1948	56.42			7	0.4				
MORF	HN	484	294	ES		1948	55.060	.150							1.0
MORF	HN	484	294	IAML		1948	58.40			11	0.3				

December 19 2016 Hour: 20: 5 51.2 Lat: 37.29N Lon: 8.45W Depth: 18F Agency: IGL Regional
Magnitudes: 0.9ML 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	18	276	EP		20 5	54.98	-.280							1.0
MORF	HN	18	276	ES		20 5	58.370	.140							1.0
MORF	HE	18	276	IAML		20 5	59.73			13	0.1				
MESJ	HZ	64	18	EP		20 6	1.800	.120							1.0
MESJ	HE	64	18	ES		20 6	9.380	.030							1.0
MESJ	HN	64	18	IAML		20 6	11.18			10	0.2				

December 19 2016 Hour: 22:55 57.3 Lat: 36.88N Lon: 8.56W Depth: 29F 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	48	350	EP		2256	5.78	-.130							1.0
MORF	HN	48	350	ES		2256	12.320	.110							1.0
MORF	HN	48	350	IAML		2256	13.13			43	0.2				
MESJ	HZ	111	16	EP		2256	13.83	-.090							1.0
MESJ	HN	111	16	ES		2256	26.160	.110							1.0
MESJ	HN	111	16	IAML		2256	28.76			5	0.1				

December 19 2016 Hour: 23:24 1.4 Lat: 35.66N Lon: 3.61W Depth: 7F Agency: IGL Regional
Magnitudes: 1.9ML 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	477	302	EP		2325	5.03	-.150							1.0
MESJ	HN	477	302	ES		2325	51.920	.150							1.0
MESJ	HN	477	302	IAML		2325	55.79			2	0.3				

December 20 2016 Hour: 4:21 30.7 Lat: 10.23S Lon: 161.22E Depth: 11F Agency: IGL Distant
Magnitudes: 6.7Ms IGL Rms: 0.1 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16735	345	EPKp _d f			441	16.09	-.020							1.0
GGNV	BZ16735	345	IAMs_20			546	47.10			9707	25.9				
MESJ	BZ16798	343	EPKp _d f			441	16.95	-.060							1.0
MESJ	BZ16798	343	IAMs_20			554	3.47			9987	18.8				
MORF	BZ16867	343	EPKp _d f			441	18.090	.080							1.0
MORF	BZ16867	343	IAMs_20			554	52.86			11723	14.1				

December 20 2016 Hour: 6: 3 44.0 Lat: 36.54N Lon: 26.96E Depth: 133F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

DODECANESE ISLANDS, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3109	283	EP		6 9	21.990	.050							1.0
MESJ	BZ	3109	283	IAMB		6 9	23.37			116	0.8				
MORF	BZ	3155	282	EP		6 9	25.62	-.110							1.0
MORF	BZ	3155	282	IAMB		6 9	30.32			134	1.9				
GGNV	BZ	3176	285	EP		6 9	27.370	.060							1.0
GGNV	BZ	3176	285	IAMB		6 9	28.58			170	0.8				

December 20 2016 Hour: 12:33 19.7 Lat: 10.15S Lon: 160.92E Depth: 12F Agency: IGL Distant
Magnitudes: 6.1Ms IGL 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	BZ16780	342		EPKp \bar{d} f		1253	5.770	.130							1.0
MESJ	BZ16780	342		IAMs $\bar{2}$ 0		14 4	22.12			1928	13.9				
MORF	BZ16849	342		EPKp \bar{d} f		1253	6.51-	.130							1.0
MORF	BZ16849	342		IAMs $\bar{2}$ 0		14 7	14.88			2276	12.5				

December 21 2016 Hour: 0:17 15.0 Lat: 7.51S Lon: 127.87E Depth: 151F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.0 secs

KEPULAUAN BARAT DAYA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14488	314		EPKp \bar{d} f		036	6.710	.000							1.0
MESJ	BZ14488	314		EPP		038	21.610	.010							1.0
MESJ	BE14488	314		IAMs $\bar{2}$ 0		127	55.92			8484	23.1				
GGNV	BZ14517	316		EPKp \bar{d} f		036	7.200	.030							1.0
GGNV	BZ14517	316		EPP		038	23.290	.020							1.0
GGNV	BE14517	316		IAMs $\bar{2}$ 0		127	14.96			13761	13.5				
MORF	BZ14548	314		EPKp \bar{d} f		036	7.73-	.050							1.0
MORF	BZ14548	314		EPP		038	25.13-	.020							1.0
MORF	BN14548	314		IAMs $\bar{2}$ 0		126	21.50			8511	24.2				

December 21 2016 Hour: 9:14 0.9 Lat: 34.10N Lon: 14.40W Depth: 1 Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	630	54	EP		915	23.70-	.150							1.0
MORF	HN	630	54	ES		916	24.420	.000							1.0
MORF	HN	630	54	IAML		916	28.36			6	0.4				
MESJ	HZ	694	52	EP		915	31.800	.160							1.0

December 21 2016 Hour: 12:21 27.2 Lat: 36.19N Lon: 8.15W Depth: 31F 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	132	340	EP		1221	45.61-	.010							1.0
MESJ	HZ	183	358	EP		1221	51.990	.010							1.0
MESJ	HE	183	358	ES		1222	10.06-	.000							1.0
MESJ	HN	183	358	IAML		1222	11.41			6	0.2				

December 21 2016 Hour: 22:56 42.7 Lat: 36.83N Lon: 9.66W Depth: 23F 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	104	59	EP		2256	59.11-	.020							1.0
MORF	HN	104	59	ES		2257	11.160	.020							1.0
MORF	HN	104	59	IAML		2257	12.03			10	0.2				

December 22 2016 Hour: 3: 5 1.4 Lat: 36.69N Lon: 9.77W Depth: 14F 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	121	55	EP		3 5	20.43-	.030							1.0
MORF	HE	121	55	ES		3 5	34.360	.030							1.0
MORF	HN	121	55	IAML		3 5	36.84			16	0.2				

December 22 2016 Hour: 4:33 14.9 Lat: 31.49N Lon: 5.81W Depth: 0 Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	696	339	EP		434	46.05	-.010							1.0
MORF	HN	696	339	ES		435	52.620	.010							1.0
MORF	HN	696	339	IAML		435	58.35			6	0.3				

December 22 2016 Hour: 7:19 56.5 Lat: 34.64S Lon: 178.73E Depth: 10F 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	BZ19288	64	EPKpdf			740	5.790	.040							1.0

December 22 2016 Hour: 8:59 29.3 Lat: 4.70N Lon: 77.22W Depth: 46F Agency: IGL Distant
Magnitudes: 5.1Mb IGL 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	7809	52	EP		910	37.32	-.000							1.0
MORF	BZ	7809	52	IAMB		910	38.87			23	0.9				

December 22 2016 Hour: 21:23 19.2 Lat: 37.18N Lon: 8.29W Depth: 15F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

NW ALBUFEIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	35	294	EP		2123	25.23	-.060							1.0
MORF	HN	35	294	ES		2123	29.790	.060							1.0
MORF	HE	35	294	IAML		2123	31.54			96	0.1				

December 23 2016 Hour: 3:37 35.1 Lat: 36.69N Lon: 7.35W Depth: 24F Agency: IGL Regional
Magnitudes: 2.6ML 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	134	301	EP		337	55.120	.030							1.0
MORF	HN	134	301	ES		338	9.63	-.030							1.0
MORF	HN	134	301	IAML		338	10.13			89	0.2				

December 23 2016 Hour: 8:57 25.6 Lat: 36.04N Lon: 5.06W Depth: 23F 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
MORF	HZ	350	295	EP		858	12.740	.030							1.0
MORF	HE	350	295	ES		858	47.05	-.030							1.0
MORF	HN	350	295	IAML		858	48.85			12	0.2				

December 25 2016 Hour: 11:33 8.7 Lat: 36.75N Lon: 7.28W Depth: 24F Agency: IGL Regional
Magnitudes: 2.5ML 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
MORF	HZ	137	297	EP		1133	28.960	.010							1.0
MORF	HN	137	297	ES		1133	43.71	-.010							1.0
MORF	HN	137	297	IAML		1133	45.21			66	0.1				

December 25 2016 Hour: 14:22 26.9 Lat: 43.42S Lon: 73.95W Depth: 35F Agency: IGL Distant
Magnitudes: 8.3Ms IGL Rms: 0.0 secs

OFFSHORE LOS LAGOS, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ11094	47	EPdif			1436	7.34	-.000							1.0
MORF	BZ11094	47	EPP			1440	12.10	-.010							1.0
MORF	BE11094	47	ESKSac			1446	43.06	-.040							1.0
MORF	BZ11094	47	IAMs_20			1518	8.12			1314000	19.4				
GGNV	BZ11180	46	EPdif			1436	10.720	.000							1.0
GGNV	BZ11180	46	EPP			1440	17.990	.040							1.0

GGNV BZ11180 46 IAMs_20 1519 17.16 1175000 28.0

**December 26 2016 Hour: 7:13 14.1 Lat: 37.37N Lon: 8.77W Depth: 14F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs**

NE ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	124	EP		713	17.14	-.060							1.0
MORF	HE	13	124	ES		713	19.510	0.060							1.0
MORF	HE	13	124	IAML		713	19.99			907	0.1				

**December 26 2016 Hour: 16: 6 28.4 Lat: 37.36N Lon: 8.53W Depth: 6F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs**

NE MONCHIQUIE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	241	EP		16 6	30.66	-.020							1.0
MORF	HE	12	241	ES		16 6	32.330	0.020							1.0
MORF	HN	12	241	IAML		16 6	32.90			270	0.2				

**December 27 2016 Hour: 0:49 10.7 Lat: 37.16N Lon: 13.87W Depth: 31F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	464	86	EP		050	10.170	0.100							1.0
MORF	HE	464	86	ES		050	53.30	-.100							1.0
MORF	HN	464	86	IAML		050	55.74			7	0.2				

**December 27 2016 Hour: 18:37 30.5 Lat: 37.35N Lon: 8.47W Depth: 22F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs**

NE MONCHIQUIE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	17	253	EP		1837	34.91	-.020							1.0
MORF	HN	17	253	ES		1837	38.160	0.020							1.0
MORF	HE	17	253	IAML		1837	38.88			18	0.1				

**December 29 2016 Hour: 5:48 47.7 Lat: 37.14N Lon: 8.66W Depth: 12F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs**

NE LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	19	3	EP		548	51.400	0.050							1.0
MORF	HN	19	3	ES		548	53.93	-.050							1.0
MORF	HE	19	3	IAML		548	54.80			35	0.1				

**December 29 2016 Hour: 11:39 28.6 Lat: 36.57N Lon: 8.04W Depth: 17F 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	98	327	EP		1139	44.15	-.070							1.0
MORF	HE	98	327	ES		1139	55.670	0.070							1.0
MORF	HN	98	327	IAML		1139	57.09			24	0.2				

**December 29 2016 Hour: 22:30 18.7 Lat: 9.07S Lon: 118.61E Depth: 72F Agency: IGL Distant
Rms: 0.1 secs**

SUMBAWA REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13891	311	EPK	Pdf		2249	10.060	0.110							1.0
GGNV	BZ13891	311	EPP			2250	58.53	-.000							1.0
MORF	BZ13896	309	EPK	Pdf		2249	10.140	0.020							1.0
MORF	BZ13896	309	EPP			2250	58.77	-.140							1.0

December 30 2016 Hour: 18:39 29.4 Lat: 36.88N Lon: 8.08W Depth: 29F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	69	313	EP		1839	40.76	-.100							1.0
MORF	HE	69	313	ES		1839	49.350	.100							1.0
MORF	HN	69	313	IAML		1839	51.19			5	0.1				

December 30 2016 Hour: 21:56 55.7 Lat: 36.52N Lon: 11.32W Depth: 25F 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	253	69	EP		2157	30.33	-.040							1.0
MORF	HN	253	69	ES		2157	55.710	.040							1.0
MORF	HE	253	69	IAML		2157	58.57			11	0.2				

December 31 2016 Hour: 2:0 29.4 Lat: 36.84N Lon: 7.88W Depth: 6F 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	86	307	EP		2 0	43.13	-.120							1.0
MORF	HN	86	307	ES		2 0	53.520	.120							1.0
MORF	HN	86	307	IAML		2 0	55.35			8	0.2				

December 31 2016 Hour: 2:11 40.4 Lat: 36.64N Lon: 9.75W Depth: 15F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	123	53	EP		211	59.690	.020							1.0
MORF	HN	123	53	ES		212	13.70	-.020							1.0
MORF	HE	123	53	IAML		212	17.23			5	0.2				

December 31 2016 Hour: 12:1 18.5 Lat: 36.38N Lon: 9.12W Depth: 1 Agency: IGL Regional
Magnitudes: 2.0ML 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	111	22	EP		12 1	36.19	-.190							1.0
MORF	HE	111	22	ES		12 1	49.650	.190							1.0
MORF	HN	111	22	IAML		12 1	51.18			29	0.3				

December 31 2016 Hour: 12:49 28.6 Lat: 36.95N Lon: 8.60W 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	40	353	EP		1249	35.400	.050							1.0
MORF	HE	40	353	ES		1249	40.22	-.050							1.0
MORF	HN	40	353	IAML		1249	41.80			14	0.1				

December 31 2016 Hour: 19:23 9.6 Lat: 37.08N Lon: 8.37W Depth: 19F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

SE LAGOA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	35	315	EP		1923	15.940	.010							1.0
MORF	HN	35	315	ES		1923	20.58	-.010							1.0
MORF	HE	35	315	IAML		1923	21.38			4	0.1				