

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

September to October

2016

Instituto D. Luiz
University of Lisbon
Faculty of Science
Campo Grande
Edifício C1, Piso 1
1749 016 Lisboa
Portugal

Tel : +351-213921866
E-Mail : sigidl@fc.ul.pt

IDL.UL.PT

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

September 1 2016 Hour: 2:41 59.0 Lat: 37.34N Lon: 8.55W Depth: 11F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	247	EP		242	1.33	-.090							1.0
MORF	HN	10	247	ES		242	3.320	.120							1.0
MORF	HN	10	247	IAML		242	3.77		601	0.2					
MESJ	HZ	63	28	EP		242	9.380	.170							1.0
MESJ	HN	63	28	ES		242	16.47	-.200							1.0
MESJ	HE	63	28	IAML		242	18.24		19	0.1					

September 1 2016 Hour: 6: 6 35.6 Lat: 35.54N Lon: 3.80W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	470	304	EP		6 7	39.33	-.060							1.0

September 1 2016 Hour: 16:32 28.7 Lat: 36.06N Lon: 4.57W Depth: 32F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	380	302	EP		1633	18.730	.140							1.0
MESJ	HE	380	302	ES		1633	55.160	.130							1.0
MESJ	HN	380	302	IAML		1633	59.12		17	0.1					
MORF	HZ	390	292	EP		1633	19.57	-.240							1.0
MORF	HN	390	292	ES		1633	57.11	-.030							1.0
MORF	HN	390	292	IAML		1634	0.43		15	0.2					

September 1 2016 Hour: 16:38 1.9 Lat: 37.40S Lon: 179.05E Depth: 19F Agency: IGL Distant
Magnitudes: 7.7Ms 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
GGNV	BZ19278	76	EPKpdf			1658	9.680	.250							0.9
GGNV	BZ19278	76	EPP			17 3	30.110	.020							1.0
GGNV	BN19278	76	ESS			1724	45.69	-.080							1.0
GGNV	BZ19278	76	IAMs_20			18 9	11.26		118000	20.8					
MORF	BZ19330	89	EPKpdf			1658	9.760	.070							1.0
MORF	BZ19330	89	EPP			17 3	32.25	-.200							1.0
MORF	BN19330	89	ESS			1724	50.30	-.100							1.0
MORF	BZ19330	89	IAMs_20			1813	57.66		140000	24.9					
MESJ	BZ19369	83	EPKpdf			1658	9.760	.000							1.0
MESJ	BZ19369	83	EPP			17 3	34.220	.140							1.0
MESJ	BN19369	83	ESS			1724	53.56	-.090							1.0
MESJ	BZ19369	83	IAMs_20			18 8	40.13		99486	24.9					

September 1 2016 Hour: 17: 1 8.5 Lat: 37.08S Lon: 178.91E Depth: 10F Agency: IGL Distant
Rms: 0.0 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	BZ19341	86	EPKpdf			1721	17.86	-.050							1.0
MESJ	BZ19377	80	EPKpdf			1721	18.020	.050							1.0

September 1 2016 Hour: 21: 1 24.4 Lat: 37.36N Lon: 13.74W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML 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	451	89	EP		21 2	25.65	-.200							1.0
MESJ	HZ	490	82	EP		21 2	30.780	.200							1.0
MESJ	HE	490	82	ES		21 3	18.890	.000							1.0
MESJ	HN	490	82	IAML		21 3	21.25		3	0.1					

September 2 2016 Hour: 5:15 1.5 Lat: 37.91N Lon: 8.48W Depth: 11F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.2 secs

SE SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	24	109	EP		515	5.900	.050							1.0
MESJ	HN	24	109	ES		515	8.87	-.120							1.0
MESJ	HN	24	109	IAML		515	9.67			8	0.1				
MORF	HZ	69	193	EP		515	13.030	.330							1.0
MORF	HE	69	193	ES		515	20.59	-.260							1.0
MORF	HE	69	193	IAML		515	23.42			3	0.2				

September 2 2016 Hour: 11:23 8.7 Lat: 19.49S Lon: 173.61W Depth: 22F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.0 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17551	32		EPKpdf		1143	2.68	-.030							1.0
MESJ	BZ17551	32		EPP		1147	15.230	.030							1.0
MESJ	BZ17551	32		IAMs_20		1247	38.57			358	27.9				

September 2 2016 Hour: 17:28 3.4 Lat: 17.25S Lon: 172.07W Depth: 10F Agency: IGL Distant
Rms: 0.1 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17256	31		EPKpdf		1747	55.960	.060							1.0

September 3 2016 Hour: 3:27 57.2 Lat: 40.41N Lon: 125.47W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.0 secs

OFFSHORE NORTHERN CALIFORNIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9128	45	EP		340	17.96	-.040							1.0
GGNV	BZ	9128	45	IAMB		340	20.26			43	0.7				
MESJ	BZ	9254	45	EP		340	23.970	.000							1.0
MESJ	BZ	9254	45	IAMB		340	26.18			269	2.4				
MESJ	BN	9254	45	ES		350	45.040	.070							1.0
MORF	BZ	9271	46	EP		340	24.80	-.030							1.0
MORF	BZ	9271	46	IAMB		340	28.04			134	1.5				

September 3 2016 Hour: 4:56 42.7 Lat: 36.41N Lon: 8.93W Depth: 12F 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	103	14	EP		456	58.97	-.000							1.0
MORF	HN	103	14	ES		457	10.940	.120							1.0
MORF	HN	103	14	IAML		457	12.32			12	0.3				
MESJ	HZ	171	21	EP		457	8.06	-.120							1.0

September 3 2016 Hour: 6:55 38.2 Lat: 71.03N Lon: 7.50W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Ms IGL Rms: 0.1 secs

JAN MAYEN ISLAND REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3692	181	EP		7	2	15.250	.070						1.0
MESJ	BN	3692	181	ES		7	7	36.010	.080						1.0
MESJ	BE	3692	181	IAMs_20		713	30.42			2851	16.2				
MORF	BZ	3751	182	EP		7	2	19.84	-.050						1.0
MORF	BN	3751	182	ES		7	7	44.19	-.100						1.0
MORF	BE	3751	182	IAMs_20		714	43.56			1985	18.1				

September 3 2016 Hour: 12:244.3 Lat: 36.43N Lon: 96.93W Depth: 4F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

OKLAHOMA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BE	7436	58	ES		1222	31.80	-.120							1.0
GGNV	BE	7436	58	ESS		1226	51.050	.110							1.0
GGNV	BZ	7436	58	IAMs_20		1238	11.55		10392	28.2					
MORF	BZ	7551	59	EP		1213	44.20	-.050							1.0
MORF	BN	7551	59	ES		1222	44.28	-.220							0.9
MORF	BN	7551	59	ESS		1227	7.070	.070							1.0
MORF	BZ	7551	59	IAMs_20		1240	30.99		7568	23.2					
MESJ	BZ	7554	59	EP		1213	44.470	.060							1.0
MESJ	BZ	7554	59	EPP		1216	14.080	.200							1.0
MESJ	BN	7554	59	ES		1222	44.69	-.120							1.0
MESJ	BN	7554	59	ESS		1227	7.530	.070							1.0
MESJ	BZ	7554	59	IAMs_20		1239	6.10		8699	25.9					

September 3 2016 Hour: 14:1418.6 Lat: 32.29N Lon: 7.55W Depth: 23F 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	566	350	EP		1415	31.84	-.080							1.0

September 3 2016 Hour: 18:1243.4 Lat: 37.30N Lon: 8.54W Depth: 14F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	274	EP		1812	46.09	-.110							1.0
MORF	HE	10	274	ES		1812	48.310	.050							1.0
MORF	HN	10	274	IAML		1812	48.95		17	0.1					
MESJ	HN	66	25	ES		1813	2.000	.060							1.0
MESJ	HN	66	25	IAML		1813	3.64		2	0.2					

September 3 2016 Hour: 20:1937.8 Lat: 37.12N Lon: 3.97W 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	384	283	EP		2020	31.00	-.010							1.0

September 3 2016 Hour: 20:5756.6 Lat: 37.09N Lon: 4.34W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	353	285	EP		2058	45.78	-.070							1.0
MESJ	HN	353	285	ES		2059	21.910	.070							1.0
MESJ	HN	353	285	IAML		2059	24.87		4	0.1					

September 3 2016 Hour: 21:507.6 Lat: 38.87N Lon: 9.31W Depth: 9F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

SE MAFRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	149	140	EP		2150	30.660	.010							1.0
MESJ	HN	149	140	ES		2150	47.46	-.010							1.0
MESJ	HE	149	140	IAML		2150	48.53		1	0.2					

September 4 2016 Hour: 2:3812.1 Lat: 8.38N Lon: 125.91E Depth: 12F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.0 secs

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	13046	320	EPKpdf		256	57.090	.030							1.0
MESJ	BN	13046	320	ESS		314	18.07	-.030							1.0
MESJ	BN	13046	320	IAMs_20		344	11.29		2122	25.8					

September 4 2016 Hour: 14: 2 14.9 Lat: 37.15N Lon: 14.64W Depth: 40F Agency: IGL Regional
 Magnitudes: 2.0ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	532	86	EP		14 3	23.01	-.050							1.0
MESJ	HZ	573	80	EP		14 3	28.04	0.040							1.0
MESJ	HN	573	80	ES		14 4	21.37	0.010							1.0
MESJ	HN	573	80	IAML		14 4	25.80			2	0.2				

September 5 2016 Hour: 2: 2 32.5 Lat: 34.94N Lon: 14.71W Depth: 22F Agency: IGL Regional
 Magnitudes: 2.4ML IGL Rms: 0.0 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	605	63	EP		2 3	50.42	-.040							1.0
MORF	HN	605	63	ES		2 4	47.41	0.040							1.0
MORF	HN	605	63	IAML		2 4	50.70			4	0.3				

September 5 2016 Hour: 2:43 17.2 Lat: 37.33N Lon: 8.59W Depth: 12F Agency: IGL Regional
 Magnitudes: 1.0ML IGL Rms: 0.1 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	244	EP		243	19.19	-.210							1.0
MORF	HE	6	244	ES		243	21.15	0.110							1.0
MORF	HN	6	244	IAML		243	21.59			171	0.2				
MESJ	HZ	65	30	EP		243	27.88	0.150							1.0
MESJ	HN	65	30	ES		243	35.39	-.050							1.0
MESJ	HE	65	30	IAML		243	36.23			3	0.1				

September 5 2016 Hour: 10:33 6.4 Lat: 37.28N Lon: 14.28W Depth: 16F Agency: IGL Regional
 Magnitudes: 2.3ML 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	499	88	EP		1034	11.96	-.040							1.0
MORF	HE	499	88	ES		1034	59.96	0.040							1.0
MORF	HE	499	88	IAML		1035	2.18			5	0.3				

September 5 2016 Hour: 15:18 59.0 Lat: 37.11S Lon: 178.93E Depth: 10F Agency: IGL Distant
 Magnitudes: 6.2Ms 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
GGNV	BZ19281	73	EPKp	f		1539	8.16	0.070							1.0
GGNV	BZ19281	73	EPP			1544	28.78	-.030							1.0
GGNV	BE19281	73	IAMs	_20		1650	41.55			2757	16.7				
MORF	BZ19340	86	EPKp	f		1539	8.27	-.100							1.0
MORF	BZ19340	86	EPP			1544	31.11	-.370							0.8
MORF	BE19340	86	ESS			16 5	51.05	0.130							1.0
MORF	BZ19340	86	IAMs	_20		1653	41.04			2764	25.8				
MESJ	BZ19376	81	EPKp	f		1539	8.55	0.120							1.0
MESJ	BZ19376	81	EPP			1544	33.03	0.050							1.0
MESJ	BE19376	81	ESS			16 5	53.92	0.010							1.0
MESJ	BZ19376	81	IAMs	_20		1649	43.14			2308	16.2				

September 5 2016 Hour: 20: 6 22.7 Lat: 31.24N Lon: 41.47W Depth: 2F Agency: IGL Distant
 Magnitudes: 5.2Mb IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	3081	68	EP		2012	12.32	-.030							1.0
MORF	BZ	3081	68	IAMB		2012	12.76			67	1.5				
MORF	BE	3081	68	ES		2016	56.44	-.100							1.0
MESJ	BZ	3122	67	EP		2012	15.81	0.200							1.0
MESJ	BZ	3122	67	IAMB		2012	16.69			45	1.4				
MESJ	BN	3122	67	ES		2017	2.23	-.060							1.0

September 5 2016 Hour: 22:54 5.1 Lat: 54.37N Lon: 168.57E Depth: 12F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.1 secs

KOMANDORSKIYE OSTROVA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9693	358	EP		23 6	50.90	-.010							1.0
GGNV	BN	9693	358	ESKSac		2317	18.300	.110							1.0
GGNV	BN	9693	358	IAMs_20		2347	56.20		10179	16.1					
MESJ	BZ	9788	357	EP		23 6	54.99	-.040							1.0
MESJ	BN	9788	357	ESKSac		2317	23.41	-.060							1.0
MESJ	BN	9788	357	IAMs_20		2353	23.36		9649	24.4					
MORF	BZ	9848	358	EP		23 6	57.62	-.030							1.0
MORF	BN	9848	358	ESKSac		2317	26.870	.030							1.0
MORF	BZ	9848	358	IAMs_20		2343	57.80		9681	16.0					

September 5 2016 Hour: 23:23 57.8 Lat: 22.94S Lon: 63.81W Depth:538FAgency: IGL Distant
Rms: 0.0 secs

SALTA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8887	42	EP		2335	10.67	-.020							1.0

September 6 2016 Hour: 2: 1 8.3 Lat: 35.46N Lon: 3.77W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	478	305	EP		2 2	12.94	-.010							1.0
MESJ	HE	478	305	ES		2 3	0.210	.070							1.0
MESJ	HN	478	305	IAML		2 3	3.18		2	0.3					
MORF	HZ	484	297	EP		2 2	13.63	-.060							1.0

September 6 2016 Hour: 4:13 35.2 Lat: 10.96S Lon: 165.99E Depth: 73F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.0 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17000	350	EPKPdf			433	15.71	-.020							1.0
MESJ	BZ17000	350	IAMs_20			536	53.34		404	17.7					
MORF	BZ17066	350	EPKPdf			433	16.660	.020							1.0

September 6 2016 Hour: 7:37 44.9 Lat: 21.25S Lon: 67.76W Depth:143FAgency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.0 secs

POTOSI, BOLIVIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8961	44	EP		749	41.39	-.050							1.0
MORF	BZ	8961	44	IAMB		749	43.32		18	1.0					
MESJ	BZ	9027	44	EP		749	44.550	.050							1.0
MESJ	BZ	9027	44	IAMB		749	46.66		6	0.9					

September 6 2016 Hour: 11: 4 19.1 Lat: 20.01S Lon: 177.97W Depth:568FAgency: 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	BZ17818	24	EPKPdf			1123	13.09	-.040							1.0
MORF	BZ17850	26	EPKPdf			1123	13.530	.040							1.0

September 7 2016 Hour: 13: 1 52.3 Lat: 32.32N Lon: 7.82W Depth: 15F 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
MORF	HZ	558	352	EP		13 3	5.23	-.020							1.0
MESJ	HZ	614	357	EP		13 3	11.920	.020							1.0

September 7 2016 Hour: 20: 7 36.7 Lat: 54.58N Lon: 168.63E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.0 secs

KOMANDORSKIYE OSTROVA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9765	358	EP		2020	25.89	-.030							1.0
MESJ	BZ	9765	358	IAmb		2020	27.50			86	2.2				
MESJ	BZ	9765	358	EPP		2023	52.470	.030							1.0

September 8 2016 Hour: 13: 6 49.0 Lat: 37.48N Lon: 9.28W Depth: 0 Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	59	109	EP		13 6	58.32	-.220							1.0
MORF	HN	59	109	ES		13 7	5.47	-.010							1.0
MORF	HN	59	109	IAML		13 7	6.52			28	0.3				
MESJ	HZ	102	67	EP		13 7	5.750	.310							1.0
MESJ	HN	102	67	ES		13 7	17.34	-.070							1.0
MESJ	HE	102	67	IAML		13 7	19.53			13	0.2				

September 8 2016 Hour: 16:55 31.6 Lat: 36.41N Lon: 8.99W Depth: 11F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	104	17	EP		1655	48.270	.130							1.0
MORF	HE	104	17	ES		1656	0.01	-.180							1.0
MORF	HN	104	17	IAML		1656	2.14			85	0.3				
MESJ	HZ	173	23	EP		1655	57.490	.050							1.0
MESJ	HN	173	23	ES		1656	16.27	-.000							1.0
MESJ	HN	173	23	IAML		1656	20.85			11	0.3				

September 8 2016 Hour: 21:46 20.1 Lat: 54.64S Lon: 158.60E Depth: 10F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.0 secs

MACQUARIE ISLAND REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ17836	212	EP	KP _d f		22 6	19.55	-.050							1.0
MORF	BZ17836	212	IAMs	20		2326	51.17			3546	23.5				
MESJ	BZ17875	214	EP	KP _d f		22 6	19.92	-.010							1.0
MESJ	BE17875	214	IAMs	20		2323	6.93			1704	17.8				
GGNV	BZ17997	213	EP	KP _d f		22 6	21.130	.060							1.0
GGNV	BE17997	213	IAMs	20		2322	47.70			9400	41.9				

September 9 2016 Hour: 0: 3 44.8 Lat: 31.41S Lon: 65.75W Depth: 151F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

LA RIOJA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9712	42	EP		016	14.560	.120							1.0
MESJ	BZ	9712	42	IAmb		016	16.67			20	0.7				

September 9 2016 Hour: 9:24 51.5 Lat: 37.23N Lon: 8.54W Depth: 20F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	311	EP		924	55.18	-.120							1.0
MORF	HE	13	311	ES		924	58.160	.070							1.0
MORF	HN	13	311	IAML		924	58.91			99	0.2				
MESJ	HZ	73	23	EP		925	3.400	.030							1.0
MESJ	HN	73	23	ES		925	12.080	.020							1.0
MESJ	HE	73	23	IAML		925	13.64			8	0.2				

**September 9 2016 Hour: 23:50 19.9 Lat: 38.86N Lon: 8.11W Depth: 2F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

SE MORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	114	185	EP		2350	38.320	.060							1.0
MESJ	HN	114	185	ES		2350	51.58	-.060							1.0
MESJ	HE	114	185	IAML		2350	53.80			3	0.1				

**September 10 2016 Hour: 2:35 22.8 Lat: 36.57N Lon: 7.77W Depth: 30F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	316	EP		235	39.68	-.050							1.0
MORF	HN	113	316	ES		235	52.04	-.040							1.0
MORF	HN	113	316	IAML		235	53.44			47	0.2				
MESJ	HZ	146	344	EP		235	44.010	.200							1.0
MESJ	HN	146	344	ES		235	59.04	-.110							1.0
MESJ	HN	146	344	IAML		236	0.32			20	0.2				

**September 10 2016 Hour: 9: 9 22.5 Lat: 36.58N Lon: 7.42W Depth: 19F Agency: IGL Regional
Magnitudes: 1.6ML 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
MESJ	HZ	157	333	EP		9 9	45.58	-.040							1.0
MESJ	HE	157	333	ES		910	2.530	.040							1.0
MESJ	HE	157	333	IAML		910	4.59			7	0.1				

**September 10 2016 Hour: 9: 9 50.5 Lat: 37.20N Lon: 4.42W 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	343	283	EP		910	37.450	.030							1.0

**September 10 2016 Hour: 10: 8 19.3 Lat: 5.58S Lon: 76.96W Depth: 114F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs**

NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8506	50	EP		1019	56.550	.030							1.0
MORF	BZ	8506	50	IAMB		1019	58.05			254	1.0				
MORF	BE	8506	50	ES		1029	33.17	-.070							1.0
GGNV	BZ	8513	48	EP		1019	56.930	.120							1.0
GGNV	BZ	8513	48	IAMB		1019	58.05			188	1.0				
MESJ	BZ	8560	49	EP		1019	59.280	.070							1.0
MESJ	BZ	8560	49	IAMB		1020	0.56			58	0.5				
MESJ	BN	8560	49	ES		1029	38.31	-.150							1.0

**September 10 2016 Hour: 12:27 28.8 Lat: 1.06S Lon: 31.55E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.1 secs**

LAKE VICTORIA REGION, TANZANIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5932	320	EP		1236	48.140	.030							1.0
MORF	BN	5932	320	ES		1244	20.51	-.130							1.0
MORF	BZ	5932	320	IAMs_20		13 2	12.26			2665	11.1				
MESJ	BZ	5937	321	EP		1236	48.510	.130							1.0
MESJ	BN	5937	321	ES		1244	21.180	.020							1.0
MESJ	BE	5937	321	IAMs_20		1258	44.58			2287	13.8				
GGNV	BZ	6060	321	EP		1236	56.540	.060							1.0
GGNV	BE	6060	321	ES		1244	36.02	-.120							1.0
GGNV	BN	6060	321	IAMs_20		13 1	14.43			5970	25.2				

September 10 2016 Hour: 12:30 21.6 Lat: 38.38N Lon: 7.41W Depth: 0 Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

W MOURAO, PORTUGAL Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	93	230	EP		1230	36.520	.010							1.0
MESJ	HN	93	230	ES		1230	47.40	-.010							1.0
MESJ	HN	93	230	IAML		1230	48.52			1	0.1				

September 10 2016 Hour: 13: 6 43.0 Lat: 36.12N Lon: 7.97W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	145	335	EP		13 7	2.94	-.170							1.0
MORF	HE	145	335	ES		13 7	17.900	.150							1.0
MORF	HE	145	335	IAML		13 7	19.74			14	0.1				
MESJ	HZ	192	353	EP		13 7	8.950	.020							1.0

September 10 2016 Hour: 16:54 56.3 Lat: 37.70N Lon: 9.33W Depth: 1 Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	74	126	EP		1655	8.04	-.190							1.0
MORF	HE	74	126	ES		1655	17.060	.080							1.0
MORF	HE	74	126	IAML		1655	19.51			17	0.1				
MESJ	HZ	99	81	EP		1655	12.22	-.000							1.0
MESJ	HE	99	81	ES		1655	24.010	.120							1.0
MESJ	HN	99	81	IAML		1655	26.71			8	0.2				

September 10 2016 Hour: 18:44 22.0 Lat: 43.06N Lon: 0.00W Depth: 10F Agency: IGL Regional
Rms: 0.1 secs

PYRENEES Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	905	233	EP		1846	16.61	-.090							1.0
MORF	HZ	974	232	EP		1846	24.850	.100							1.0

September 10 2016 Hour: 23: 7 33.5 Lat: 37.34N Lon: 8.46W Depth: 12F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	17	258	EP		23 7	36.940	.040							1.0
MORF	HN	17	258	ES		23 7	39.480	.060							1.0
MORF	HN	17	258	IAML		23 7	40.27			22	0.1				
MESJ	HN	59	21	ES		23 7	50.08	-.100							1.0
MESJ	HN	59	21	IAML		23 7	51.34			1	0.1				

September 10 2016 Hour: 23: 7 22.4 Lat: 35.70N Lon: 3.62W 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	474	301	EP		23 8	26.62	-.050							1.0

September 11 2016 Hour: 1:57 50.5 Lat: 36.76N Lon: 7.11W Depth: 30F Agency: IGL Regional
Magnitudes: 1.6ML 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	HN	150	294	ES		158	27.600	.010							1.0
MORF	HE	150	294	IAML		158	29.63			8	0.2				
MESJ	HZ	155	321	EP		158	12.50	-.020							1.0
MESJ	HE	155	321	ES		158	28.650	.010							1.0
MESJ	HE	155	321	IAML		158	30.23			7	0.2				

September 11 2016 Hour: 5:38 12.3 Lat: 37.36N Lon: 8.48W Depth: 11F Agency: IGL Regional
Magnitudes: 0.6ML 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	16	249	EP		538	15.32	-.150							1.0
MORF	HE	16	249	ES		538	17.920	.100							1.0
MORF	HN	16	249	IAML		538	18.33			36	0.1				
MESJ	HZ	58	23	EP		538	21.790	.020							1.0
MESJ	HN	58	23	ES		538	28.750	.040							1.0
MESJ	HE	58	23	IAML		538	29.62			1	0.1				

September 11 2016 Hour: 7:34 26.7 Lat: 37.81N Lon: 3.18W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML 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	444	272	EP		735	27.17	-.010							1.0
MESJ	HN	444	272	ES		736	11.360	.010							1.0
MESJ	HN	444	272	IAML		736	40.66			26	0.5				

September 11 2016 Hour: 8:1 4.7 Lat: 37.87N Lon: 3.24W Depth: 4F Agency: IGL Regional
Magnitudes: 3.3ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	438	271	EP		8 2	4.14	-.020							1.0
MESJ	HE	438	271	ES		8 2	47.710	.120							1.0
MESJ	HN	438	271	IAML		8 3	15.65			43	0.6				
MORF	HN	482	264	ES		8 2	56.71	-.100							1.0
MORF	HN	482	264	IAML		8 3	27.27			76	0.3				

September 11 2016 Hour: 9:29 39.1 Lat: 35.98N Lon: 7.91W Depth: 31F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	161	336	EP		930	1.04	-.160							1.0
MORF	HE	161	336	ES		930	17.370	.040							1.0
MORF	HE	161	336	IAML		930	18.02			9	0.2				
MESJ	HZ	208	352	EP		930	6.96	-.020							1.0
MESJ	HN	208	352	ES		930	27.480	.150							1.0
MESJ	HN	208	352	IAML		930	28.58			4	0.2				

September 11 2016 Hour: 11:30 47.0 Lat: 40.38N Lon: 8.42W Depth: 16F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

NE MEALHADA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	283	176	EP		1131	26.030	.030							1.0
MESJ	HN	283	176	ESg		1132	2.330	.070							1.0
MESJ	HE	283	176	IAML		1132	8.94			25	0.2				
MORF	HZ	342	183	EP		1131	33.25	-.140							1.0
MORF	HN	342	183	ES		1132	7.280	.040							1.0
MORF	HN	342	183	IAML		1132	25.68			53	0.3				

September 11 2016 Hour: 13:10 5.8 Lat: 42.01N Lon: 21.48E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

FYR OF MACEDONIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2567	270	EP		1315	11.68	-.110							1.0
MESJ	BZ	2567	270	IAmb		1315	14.29			134	1.5				
MESJ	BE	2567	270	ES		1319	24.020	.000							1.0
GGNV	BZ	2613	272	EP		1315	16.180	.100							1.0
GGNV	BZ	2613	272	IAmb		1315	18.80			99	1.2				
GGNV	BE	2613	272	ES		1319	30.670	.020							1.0
MORF	BZ	2624	269	EP		1315	17.03	-.050							1.0
MORF	BZ	2624	269	IAmb		1315	19.60			47	1.1				

MORF BE 2624 269 ES 1319 32.380.030 1.0

**September 11 2016 Hour: 21:32 14.3 Lat: 37.42N Lon: 13.32W Depth: 18F Agency: IGL Regional
Magnitudes: 1.6ML 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	414	90	EP		2133	9.40	-.080							1.0
MESJ	HN	453	83	ES		2133	57.870	.080							1.0
MESJ	HN	453	83	IAML		2134	1.56			1	0.1				

**September 11 2016 Hour: 22: 5 53.1 Lat: 35.40N Lon: 9.68W Depth: 31F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.2 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	231	23	EP		22 6	23.67	-.150							1.0
MORF	HE	231	23	ES		22 6	46.11	-.140							1.0
MORF	HN	231	23	IAML		22 6	47.40			5	0.1				
MESJ	HZ	301	25	EP		22 6	32.480	.030							1.0
MESJ	HE	301	25	ES		22 7	1.450	.270							1.0
MESJ	HE	301	25	IAML		22 7	3.71			1	0.1				

**September 12 2016 Hour: 4:21 41.1 Lat: 37.33N Lon: 8.50W Depth: 10F Agency: IGL Regional
Magnitudes: 1.1ML 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	14	259	EP		421	43.83	-.100							1.0
MORF	HE	14	259	ES		421	46.010	.050							1.0
MORF	HN	14	259	IAML		421	46.75			88	0.2				
MESJ	HZ	62	24	EP		421	51.490	.250							1.0
MESJ	HN	62	24	ES		421	58.41	-.200							1.0
MESJ	HN	62	24	IAML		421	59.99			7	0.1				

**September 12 2016 Hour: 20: 8 42.3 Lat: 37.31N Lon: 8.54W Depth: 7F Agency: IGL Regional
Magnitudes: 1.6ML 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		20 8	44.13	-.130							1.0
MORF	HN	10	268	ES		20 8	45.820	.100							1.0
MORF	HN	10	268	IAML		20 8	46.32			319	0.2				
MESJ	HZ	65	26	EP		20 8	52.880	.040							1.0

**September 13 2016 Hour: 0: 0 54.9 Lat: 37.10N Lon: 9.85W Depth: 13F 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	109	78	EP		0 1	12.180	.050							1.0
MORF	HN	109	78	ES		0 1	24.60	-.080							1.0
MORF	HE	109	78	IAML		0 1	28.66			22	0.1				
MESJ	HZ	166	60	EP		0 1	19.730	.040							1.0

**September 13 2016 Hour: 0:40 51.3 Lat: 35.50N Lon: 3.82W Depth: 0 Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	471	305	EP		041	55.15	-.060							1.0
MESJ	HN	471	305	ES		042	41.900	.060							1.0
MESJ	HN	471	305	IAML		042	46.40			2	0.2				

September 13 2016 Hour: 6:154.9 Lat: 38.08N Lon: 8.18W Depth: 1 Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	27	188	EP		6	1	59.23	-.040						1.0
MESJ	HE	27	188	ES		6	2	2.470	.020						1.0
MESJ	HE	27	188	IAML		6	2	2.64		50	0.2				
MORF	HE	95	206	ES		6	2	21.560	.020						1.0
MORF	HN	95	206	IAML		6	2	24.71		6	0.2				

September 13 2016 Hour: 9:24 50.6 Lat: 32.16N Lon: 5.50W Depth: 15F Agency: IGL Regional
Magnitudes: 2.4ML 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	677	339	EP		926	17.85	-.040							1.0
MESJ	HN	677	339	ES		927	21.660	.040							1.0
MESJ	HN	677	339	IAML		927	26.27			4	0.3				

September 13 2016 Hour: 10:0 46.2 Lat: 37.34N Lon: 8.49W Depth: 7F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	255	EP		10	0	48.66	-.170						1.0
MORF	HN	15	255	ES		10	0	50.860	.080						1.0
MORF	HN	15	255	IAML		10	0	51.48		111	0.2				
MESJ	HZ	60	23	EP		10	0	56.050	.090						1.0

September 13 2016 Hour: 12:23 23.7 Lat: 36.61N Lon: 7.71W Depth: 19F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	144	342	EP		1223	45.04	-.110							1.0
MESJ	HE	144	342	ES		1224	0.940	.110							1.0
MESJ	HN	144	342	IAML		1224	3.89			9	0.2				

September 13 2016 Hour: 15:50 57.6 Lat: 38.78N Lon: 7.98W Depth: 4F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

NE ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	106	191	EP		1551	14.760	.010							1.0
MESJ	HN	106	191	ES		1551	27.29	-.010							1.0
MESJ	HE	106	191	IAML		1551	29.07			5	0.2				

September 14 2016 Hour: 1:37 48.8 Lat: 37.36N Lon: 8.41W Depth: 8F Agency: IGL Regional
Magnitudes: 1.0ML 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	22	254	EP		137	52.52	-.130							1.0
MORF	HE	22	254	ES		137	55.530	.080							1.0
MORF	HN	22	254	IAML		137	56.09			29	0.1				
MESJ	HZ	56	17	EP		137	57.970	.050							1.0

September 14 2016 Hour: 1:58 31.2 Lat: 7.38N Lon: 76.16W Depth: 17F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.1 secs

NORTHERN COLOMBIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	7515	51	EP		2	9	26.56	-.010						1.0
GGNV	BZ	7515	51	IAmb		2	9	29.93		41	0.6				
GGNV	BN	7515	51	ES		218	23.00	-.110							1.0
MORF	BZ	7536	53	EP		2	9	27.78	-.050						1.0
MORF	BZ	7536	53	IAmb		2	9	35.85		397	1.9				
MORF	BN	7536	53	ES		218	25.560	.090							1.0
MESJ	BZ	7581	52	EP		2	9	30.34	-.030						1.0

MESJ BZ 7581 52 IAmb 2 9 33.77 87 1.5
 MESJ BN 7581 52 ES 218 30.410.100 1.0

September 14 2016 Hour: 2:48 39.1 Lat: 38.27N Lon: 7.45W Depth: 12F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

SW MOURAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	83	235	EP		248	52.420	.150							1.0
MESJ	HN	83	235	ES		249	1.77-	.150							1.0
MESJ	HE	83	235	IAML		249	3.54		2	0.1					

September 14 2016 Hour: 5:38 3.2 Lat: 37.35N Lon: 8.54W Depth: 11F Agency: IGL Regional
Magnitudes: 0.5ML 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	11	244	EP		538	5.72-	.040							1.0
MORF	HE	11	244	ES		538	7.680	.050							1.0
MORF	HN	11	244	IAML		538	8.43		23	0.1					
MESJ	HN	61	27	ES		538	20.50-	.010							1.0
MESJ	HE	61	27	IAML		538	22.23		2	0.2					

September 14 2016 Hour: 6:39 12.7 Lat: 37.72N Lon: 9.30W Depth: 7F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	74	128	EP		639	24.50-	.160							1.0
MORF	HE	74	128	ES		639	33.390	.030							1.0
MORF	HN	74	128	IAML		639	36.37		171	0.2					
MESJ	HZ	96	82	EP		639	28.370	.110							1.0
MESJ	HN	96	82	ES		639	39.600	.020							1.0
MESJ	HN	96	82	IAML		639	43.31		48	0.2					

September 14 2016 Hour: 7:25 0.5 Lat: 9.37S Lon: 159.15E Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL 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	BZ16579	342	EPK	Pdf		744	43.900	.030							1.0
GGNV	BZ16579	342	IAMs	20		9 6	25.11		2175	22.7					
MESJ	BZ16635	340	EPK	Pdf		744	44.730	.030							1.0
MESJ	BZ16635	340	IAMs	20		852	45.55		1991	30.3					
MORF	BZ16705	340	EPK	Pdf		744	45.67-	.070							1.0
MORF	BZ16705	340	IAMs	20		853	36.59		1836	17.5					

September 14 2016 Hour: 9:32 36.8 Lat: 46.10N Lon: 93.77E Depth: 16F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

WESTERN MONGOLIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 7899	305	EP			943	54.280	.030							1.0
MESJ	BZ 7899	305	IAMB			943	55.21		12	0.9					

September 14 2016 Hour: 13:30 6.5 Lat: 36.60N Lon: 9.60W Depth: 17F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	47	EP		1330	24.64-	.060							1.0
MORF	HN	115	47	ES		1330	38.030	.080							1.0
MORF	HE	115	47	IAML		1330	40.70		89	0.1					
MESJ	HZ	184	41	EP		1330	33.13-	.100							1.0
MESJ	HN	184	41	ES		1330	52.770	.070							1.0
MESJ	HN	184	41	IAML		1330	55.07		17	0.3					

September 14 2016 Hour: 23:35 28.5 Lat: 36.70N Lon: 8.34W Depth: 20F 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	73	338	EP		2335	40.440	.110							1.0
MORF	HN	73	338	ES		2335	48.970	.000							1.0
MORF	HE	73	338	IAML		2335	50.04		15	0.1					
MESJ	HN	127	5	ES		2336	1.76	-.120							1.0
MESJ	HN	127	5	IAML		2336	2.81		5	0.3					

September 15 2016 Hour: 5:57 24.7 Lat: 12.45N Lon: 86.64W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

NICARAGUA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BN	8081	53	ES		618	18.240	.120							1.0
GGNV	BZ	8081	53	IAMs_20		635	29.73		3330	23.5					
MORF	BZ	8132	55	EP		6 8	55.21	-.010							1.0
MORF	BN	8132	55	ES		618	23.37	-.080							1.0
MORF	BZ	8132	55	IAMs_20		639	38.81		4505	16.6					
MESJ	BZ	8167	54	EP		6 8	57.040	.010							1.0
MESJ	BE	8167	54	ES		618	26.89	-.040							1.0
MESJ	BZ	8167	54	IAMs_20		638	44.31		3503	16.4					

September 15 2016 Hour: 12:30 54.9 Lat: 37.31N Lon: 8.60W Depth: 17F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	265	EP		1230	57.820	.080							1.0
MORF	HN	5	265	ES		1230	59.76	-.080							1.0
MORF	HN	5	265	IAML		1231	0.63		47	0.2					

September 15 2016 Hour: 13:46 42.8 Lat: 17.25N Lon: 94.80W Depth: 52F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8543	55	EP		1358	29.050	.070							1.0
MORF	BZ	8543	55	IAMB		1358	30.11		17	1.1					
MESJ	BZ	8568	54	EP		1358	30.14	-.070							1.0
MESJ	BZ	8568	54	IAMB		1358	31.74		20	1.2					

September 16 2016 Hour: 1:37 36.3 Lat: 37.47N Lon: 6.62W Depth: 9F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	147	287	EP		137	59.09	-.020							1.0
MESJ	HN	147	287	ES		138	15.780	.020							1.0
MESJ	HN	147	287	IAML		138	17.54		5	0.1					

September 16 2016 Hour: 7:50 47.7 Lat: 5.71N Lon: 125.52E Depth: 203F Agency: IGL Distant
Rms: 0.0 secs

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13244	319	EP	KPdf		8 9	11.870	.020							1.0
MORF	BZ13309	319	EP	KPdf		8 9	13.01	-.020							1.0

September 16 2016 Hour: 12:18 32.3 Lat: 36.81N Lon: 7.16W Depth: 21F 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	148	321	EP		1218	54.090	.010							1.0
MESJ	HE	148	321	ES		1219	10.01	-.010							1.0
MESJ	HE	148	321	IAML		1219	10.84		4	0.1					

September 16 2016 Hour: 15:52 5.8 Lat: 38.53N Lon: 7.90W Depth: 3F Agency: IGL Regional
Magnitudes: 2.1ML 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	82	200	EP		1552	19.100	.100							1.0
MESJ	HN	82	200	ES		1552	28.670	.050							1.0
MESJ	HE	82	200	IAML		1552	30.00			42	0.2				
MORF	HZ	151	206	EP		1552	29.55-	.230							1.0
MORF	HN	151	206	ES		1552	47.320	.060							1.0
MORF	HN	151	206	IAML		1552	49.18			43	0.3				

September 16 2016 Hour: 18:26 39.4 Lat: 39.74N Lon: 9.89W Depth: 16F Agency: IGL Regional
Magnitudes: 3.3ML IGL Rms: 0.2 secs

NW PENICHE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	130	150	EP		1826	59.700	.280							1.0
GGNV	HN	130	150	ES		1827	14.090	.030							1.0
GGNV	HE	130	150	IAML		1827	16.17			1105	0.2				
MESJ	HZ	256	145	EP		1827	14.84-	.200							0.9
MESJ	HE	256	145	ES		1827	41.110	.020							0.9
MESJ	HN	256	145	IAML		1827	51.78			70	0.3				
MORF	HZ	291	158	EP		1827	19.30-	.110							0.9
MORF	HN	291	158	ES		1827	48.60-	.050							0.9
MORF	HN	291	158	IAML		1827	51.62			116	0.3				

September 17 2016 Hour: 1:20 18.3 Lat: 2.12S Lon: 140.57E Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 secs

NEAR NORTH COAST OF PAPUA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ14946	327	EPKp \bar{d} f			139	35.950	.020							1.0
GGNV	BZ14946	327	EPP			142	7.730	.020							1.0
GGNV	BZ14946	327	IAMs_20			241	27.00			3469	31.7				
MESJ	BZ14957	325	EPKp \bar{d} f			139	36.140	.010							1.0
MESJ	BZ14957	325	EPP			142	8.350	.030							1.0
MESJ	BZ14957	325	IAMs_20			237	7.84			2411	33.0				
MORF	BZ15025	325	EPKp \bar{d} f			139	37.29-	.040							1.0
MORF	BZ15025	325	EPP			142	12.24-	.030							1.0
MORF	BZ15025	325	IAMs_20			237	13.25			3852	39.0				

September 17 2016 Hour: 4:20 57.9 Lat: 39.67N Lon: 9.93W Depth: 7F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

NW PENICHE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	126	147	ES		421	32.560	.130							1.0
GGNV	HN	126	147	IAML		421	35.60			295	0.2				
MESJ	HZ	252	143	EP		421	33.75-	.160							0.9
MESJ	HE	252	143	ES		422	0.330	.120							0.9
MESJ	HN	252	143	IAML		422	2.50			7	0.2				
MORF	HZ	285	157	EP		421	38.04-	.050							0.9
MORF	HE	285	157	ES		422	7.37-	.060							0.9
MORF	HN	285	157	IAML		422	10.64			14	0.3				

September 17 2016 Hour: 12:33 52.8 Lat: 32.34N Lon: 7.71W Depth: 10F Agency: IGL Regional
Magnitudes: 2.4ML 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	558	351	EP		1235	6.150	.010							1.0
MESJ	HZ	612	356	EP		1235	12.68-	.010							1.0

September 17 2016 Hour: 15:43 35.5 Lat: 36.88N Lon: 8.87W Depth: 24F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	51	22	EP		1543	44.42	0.100							1.0
MORF	HN	51	22	ES		1543	50.67	-0.100							1.0
MORF	HN	51	22	IAML		1543	53.43			12	0.2				

September 17 2016 Hour: 19:24 58.4 Lat: 36.68N Lon: 7.43W Depth: 27F Agency: IGL Regional
Magnitudes: 3.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	303	EP		1925	17.26	-0.200							1.0
MORF	HN	129	303	ES		1925	31.30	-0.070							1.0
MORF	HN	129	303	IAML		1925	32.67			1435	0.2				
MESJ	HZ	146	332	EP		1925	19.84	0.250							1.0
MESJ	HE	146	332	ES		1925	34.99	-0.070							1.0
MESJ	HN	146	332	IAML		1925	37.59			485	0.2				
GGNV	HN	272	327	ES		1926	2.130	0.100							0.9
GGNV	HN	272	327	IAML		1926	6.50			197	0.3				

September 17 2016 Hour: 21:37 50.4 Lat: 35.78N Lon: 10.27W 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	223	40	EP		2138	20.00	-0.150							1.0
MORF	HE	223	40	ES		2138	42.01	0.150							1.0
MORF	HE	223	40	IAML		2138	43.00			5	0.2				
MESJ	HZ	293	38	EP		2138	28.63	-0.160							1.0
MESJ	HE	293	38	ES		2138	56.97	0.160							1.0
MESJ	HN	293	38	IAML		2139	0.55			3	0.2				

September 17 2016 Hour: 23: 1 7.1 Lat: 37.71N Lon: 8.36W Depth: 18F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	19	41	EP		23 1	11.32	0.040							1.0
MESJ	HE	19	41	ES		23 1	14.27	-0.050							1.0
MESJ	HE	19	41	IAML		23 1	14.72			31	0.2				
MORF	HZ	52	210	EP		23 1	15.82	0.040							1.0
MORF	HN	52	210	ES		23 1	22.06	-0.030							1.0
MORF	HN	52	210	IAML		23 1	23.62			13	0.1				

September 17 2016 Hour: 23:41 24.8 Lat: 37.31N Lon: 9.12W Depth: 29F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	42	90	EP		2341	32.81	0.160							1.0
MORF	HN	42	90	ES		2341	38.23	-0.120							1.0
MORF	HN	42	90	IAML		2341	39.21			6	0.1				
MESJ	HZ	99	53	EP		2341	39.86	-0.130							1.0
MESJ	HE	99	53	ES		2341	51.15	0.090							1.0
MESJ	HE	99	53	IAML		2341	53.58			0.90	0.1				

September 18 2016 Hour: 3:57 29.1 Lat: 36.39N Lon: 4.80W Depth: 40F Agency: IGL Regional
Magnitudes: 3.2ML 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	344	299	EP		358	14.45	-0.010							1.0
MESJ	HN	344	299	ES		358	47.60	0.040							1.0
MESJ	HN	344	299	IAML		358	50.00			56	0.1				
MORF	HZ	358	288	EP		358	16.23	0.010							1.0
MORF	HN	358	288	ES		358	50.58	-0.040							1.0

MORF HN 358 288 IAML 358 53.50 129 0.1

September 18 2016 Hour: 5:19 23.4 Lat: 32.41N Lon: 5.86W Depth: 0 Agency: IGL Regional
Magnitudes: 3.3ML 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	600	336	EP		520	42.73	-.200							1.0
MORF	HN	600	336	ES		521	41.100	.110							1.0
MORF	HN	600	336	IAML		521	48.58			38	0.4				
MESJ	HZ	640	341	EP		520	47.700	.010							1.0
MESJ	HN	640	341	ES		521	49.300	.090							1.0
MESJ	HN	640	341	IAML		521	57.60			32	0.6				

September 18 2016 Hour: 5:24 45.8 Lat: 38.16N Lon: 9.15W Depth: 30F Agency: IGL Regional
Magnitudes: 0.9ML 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	89	113	EP		524	59.770	.070							1.0
MESJ	HN	89	113	ES		525	9.81	-.020							1.0
MESJ	HN	89	113	IAML		525	13.67			2	0.1				
MORF	HZ	104	155	EP		525	1.58	-.060							1.0
MORF	HE	104	155	ES		525	13.190	.000							1.0
MORF	HE	104	155	IAML		525	14.43			4	0.2				

September 18 2016 Hour: 7:17 36.7 Lat: 2.02S Lon: 140.47E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs
PAPUA REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14941	325	EPKp	df		736	54.27	-.020							1.0
MESJ	BZ14941	325	EPP			739	25.890	.030							1.0
MESJ	BZ14941	325	IAMs	_20		834	24.68			1307	22.1				
MORF	BZ15010	325	EPKp	df		736	55.41	-.080							1.0
MORF	BZ15010	325	EPP			739	29.890	.070							1.0
MORF	BN15010	325	IAMs	_20		834	8.21			1406	20.9				

September 19 2016 Hour: 10:26 11.6 Lat: 36.28N Lon: 8.11W Depth: 5F 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	124	337	EP		1026	31.470	.050							1.0
MORF	HE	124	337	ES		1026	45.980	.090							1.0
MORF	HN	124	337	IAML		1026	48.72			187	0.3				
MESJ	HZ	173	357	EP		1026	38.01	-.070							1.0
MESJ	HN	173	357	ES		1026	57.35	-.070							1.0
MESJ	HN	173	357	IAML		1027	4.33			59	0.1				

September 19 2016 Hour: 14:57 50.8 Lat: 36.41N Lon: 11.31W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	257	66	EP		1458	24.910	.140							1.0
MORF	HN	257	66	ES		1458	49.45	-.140							1.0
MORF	HN	257	66	IAML		1458	51.09			5	0.1				

September 19 2016 Hour: 19:32 56.0 Lat: 38.66N Lon: 16.39W Depth: 10F Agency: IGL Regional
Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	696	100	EP		1934	26.06	-.040							1.0
MESJ	HZ	721	95	EP		1934	29.000	.040							1.0

September 20 2016 Hour: 5:4 18.2 Lat: 36.61N Lon: 7.82W Depth: 10F 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	107	316	EP		5 4	35.22	-.010							1.0
MESJ	HZ	141	346	EP		5 4	40.170	.010							1.0

September 20 2016 Hour: 7:29 50.0 Lat: 36.02N Lon: 4.64W Depth: 30F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	377	303	EP		730	39.64	-.020							1.0
MESJ	HN	377	303	ES		731	15.930	.020							1.0
MESJ	HN	377	303	IAML		731	18.65			3	0.2				

September 20 2016 Hour: 13:24 43.0 Lat: 23.57S Lon: 68.19W Depth: 127F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9176	44	EP		1336	51.510	.030							1.0
MORF	BZ	9176	44	IAMB		1336	57.57			38	1.3				
MESJ	BZ	9242	44	EP		1336	54.45	-.030							1.0
MESJ	BZ	9242	44	IAMB		1336	57.16			16	0.5				

September 20 2016 Hour: 16:21 17.2 Lat: 30.54N Lon: 142.08E Depth: 10F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.1 secs

IZU ISLANDS, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11797	337	EPP			1639	52.74	-.090							1.0
GGNV	BE11797	337	IAMS_20			1721	45.31		10598	23.6					
MESJ	BZ11849	336	EPdif			1635	31.360	.050							1.0
MESJ	BZ11849	336	EPP			1639	56.360	.060							1.0
MESJ	BN11849	336	IAMS_20			1728	9.70		5759	15.6					
MORF	BZ11919	336	EPP			1640	0.95	-.020							1.0
MORF	BE11919	336	IAMS_20			1721	2.27		9280	25.7					

September 21 2016 Hour: 0:20 2.2 Lat: 36.26N Lon: 8.43W Depth: 1 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	118	350	EP		020	21.270	.080							1.0
MORF	HN	118	350	ES		020	35.140	.080							1.0
MORF	HN	118	350	IAML		020	36.03			6	0.1				
MESJ	HZ	176	6	EP		020	29.20	-.190							1.0
MESJ	HE	176	6	ES		020	49.280	.030							1.0
MESJ	HN	176	6	IAML		020	50.07			4	0.3				

September 21 2016 Hour: 0:24 30.3 Lat: 39.22N Lon: 9.16W Depth: 12F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

SE LOURINHA, PORTUGAL Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	56	179	EP		024	39.24	-.110							1.0
GGNV	HN	56	179	ES		024	46.080	.110							1.0
GGNV	HN	56	179	IAML		024	46.67		450	0.4					
MESJ	HZ	173	151	EP		024	55.95	-.110							0.9
MESJ	HN	173	151	ES		025	15.000	.120							0.9
MESJ	HN	173	151	IAML		025	19.18			32	0.1				
MORF	HZ	217	168	EP		025	1.44	-.010							0.9

September 21 2016 Hour: 18:30 24.4 Lat: 35.33N Lon: 3.78W Depth: 15F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	486	306	EP		1831	28.37	-.040							1.0
MESJ	HN	486	306	ES		1832	14.97	-.200							1.0
MESJ	HN	486	306	IAML		1832	22.66			15	0.4				
MORF	HN	490	298	ES		1832	16.330	.250							1.0
MORF	HN	490	298	IAML		1832	19.84			20	0.4				

September 21 2016 Hour: 18:36 29.5 Lat: 36.80N Lon: 8.18W Depth: 24F 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	70	323	EP		1836	40.96	-.060							1.0
MORF	HE	70	323	ES		1836	49.40	-.000							1.0
MORF	HE	70	323	IAML		1836	50.23			8	0.2				
MESJ	HE	115	358	ES		1836	59.970	.070							1.0
MESJ	HE	115	358	IAML		1837	0.17			2	0.2				

September 22 2016 Hour: 13:44 2.9 Lat: 32.42N Lon: 7.71W Depth: 15F 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
MORF	HZ	549	351	EP		1345	14.66	-.040							1.0

September 22 2016 Hour: 17:23 16.2 Lat: 30.17N Lon: 99.65E Depth: 21F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.0 secs

WESTERN SICHUAN, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9404	311	EP		1735	47.960	.000							1.0
MESJ	BZ	9404	311	IAMB		1735	49.25			28	1.1				
MORF	BZ	9468	311	EP		1735	50.94	-.000							1.0
MORF	BZ	9468	311	IAMB		1735	52.84			48	1.4				

September 22 2016 Hour: 20: 6 11.0 Lat: 21.58S Lon: 33.44E Depth: 6F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.0 secs

MOZAMBIQUE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7870	326	EP		2017	28.13	-.000							1.0
MORF	BN	7870	326	ES		2026	44.040	.050							1.0
MORF	BN	7870	326	IAMS_20		2046	39.45			2242	25.1				
MESJ	BZ	7889	326	EP		2017	29.13	-.010							1.0
MESJ	BN	7889	326	ES		2026	45.90	-.030							1.0
MESJ	BZ	7889	326	IAMS_20		2051	31.10			1862	17.6				

September 22 2016 Hour: 20:30 43.0 Lat: 37.18N Lon: 3.75W Depth: 12F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	402	282	EP		2031	36.98	-.110							1.0

September 23 2016 Hour: 0:14 34.9 Lat: 34.49N Lon: 141.66E Depth: 10F Agency: IGL Distant
Magnitudes: 6.9Ms IGL Rms: 0.0 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11376	337	EPdif			028	30.300	.050							1.0
GGNV	BZ11376	337	EPP			032	42.570	.040							1.0
GGNV	BE11376	337	IAMS_20			113	41.34			35263	18.4				
MESJ	BZ11430	336	EPdif			028	32.450	.000							1.0
MESJ	BZ11430	336	EPP			032	46.240	.010							1.0
MESJ	BZ11430	336	IAMS_20			119	35.58			35306	18.9				
MORF	BZ11500	336	EPdif			028	35.26	-.030							1.0

MORF BZ11500 336 EPP 032 50.91-.070 1.0
MORF BE11500 336 IAMs_20 113 27.16 31775 20.5

**September 23 2016 Hour: 1:54 50.1 Lat: 36.54N Lon: 9.78W Depth: 24F 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	132	49	EP		155	9.720	.040							1.0
MORF	HE	132	49	ES		155	24.010	.010							1.0
MORF	HN	132	49	IAML		155	25.32		21	0.1					
MESJ	HZ	200	43	EP		155	18.08	-.050							1.0
MESJ	HN	200	43	ES		155	38.60	-.000							1.0
MESJ	HN	200	43	IAML		155	40.95		6	0.1					

**September 23 2016 Hour: 2:56 42.5 Lat: 7.37S Lon: 156.37E Depth: 10F 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	BZ16270	339		EPKPdf		316	21.27	-.050							1.0
MESJ	BZ16319	338		EPKPdf		316	22.05	-.040							1.0
MORF	BZ16389	338		EPKPdf		316	23.280	.090							1.0

**September 23 2016 Hour: 6:34 41.6 Lat: 38.95N Lon: 8.74W Depth: 5F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs**

SE BENAVENTE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HE	44	234	ES		634	54.090	.180							1.0
GGNV	HN	44	234	IAML		634	55.61		144	0.2					
MESJ	HZ	131	160	EP		635	2.48	-.050							1.0
MESJ	HE	131	160	ES		635	17.880	.050							1.0
MESJ	HN	131	160	IAML		635	20.54		89	0.3					
MORF	HZ	183	178	EPg		635	11.090	.070							0.9
MORF	HN	183	178	ESg		635	32.26	-.270							0.9
MORF	HN	183	178	IAML		635	32.97		70	0.2					

**September 23 2016 Hour: 14:54 20.7 Lat: 37.29N Lon: 8.53W Depth: 12F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs**

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	280	EP		1454	23.29	-.060							1.0
MORF	HE	11	280	ES		1454	25.370	.060							1.0
MORF	HN	11	280	IAML		1454	26.76		23	0.1					
MESJ	HN	67	24	ES		1454	39.370	.000							1.0
MESJ	HE	67	24	IAML		1454	42.53		4	0.1					

**September 23 2016 Hour: 22:53 10.4 Lat: 6.58N Lon: 126.48E Depth: 65F Agency: IGL Distant
Rms: 0.1 secs**

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13239	320		EPKPdf		2311	51.360	.070							1.0

**September 23 2016 Hour: 23:11 18.7 Lat: 45.71N Lon: 26.62E Depth: 92F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs**

ROMANIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2998	266	EP		2316	51.70	-.010							1.0
MESJ	BZ	2998	266	IAmb		2316	54.79		43	0.9					
MESJ	BE	2998	266	ES		2321	23.160	.030							1.0
GGNV	BZ	3026	268	EP		2316	53.950	.050							1.0
GGNV	BZ	3026	268	IAmb		2316	54.86		73	0.8					
GGNV	BE	3026	268	ES		2321	27.070	.080							1.0
MORF	BZ	3060	265	EP		2316	56.62	-.100							1.0
MORF	BZ	3060	265	IAmb		2317	0.72		82	1.5					
MORF	BN	3060	265	ES		2321	31.90	-.060							1.0

September 24 2016 Hour: 0:14 33.8 Lat: 36.66N Lon: 11.04W Depth: 31F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	224	71	EP		015	3.64	-.080							1.0
MORF	HN	224	71	ES		015	25.620	.050							1.0
MORF	HN	224	71	IAML		015	27.40			6	0.2				
MESJ	HZ	282	62	EP		015	10.76	-.110							1.0
MESJ	HE	282	62	ES		015	38.090	.140							1.0
MESJ	HE	282	62	IAML		015	41.32			3	0.1				

September 24 2016 Hour: 1:58 36.0 Lat: 37.72N Lon: 8.36W Depth: 17F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.0 secs

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	18	43	EP		158	39.96	-.010							1.0
MESJ	HE	18	43	ES		158	42.880	.010							1.0
MESJ	HE	18	43	IAML		158	43.30			5	0.1				

September 24 2016 Hour: 4: 2 14.1 Lat: 32.55S Lon: 177.56W Depth: 10F Agency: IGL Distant
Rms: 0.1 secs

SOUTH OF KERMADEC ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ18877	59	EP	KPdf		422	21.38	-.060							1.0
MESJ	BZ18885	56	EP	KPdf		422	21.490	.060							1.0

September 24 2016 Hour: 4:26 17.8 Lat: 57.25N Lon: 33.46W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

REYKJANES RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2840	129	EP		431	46.860	.050							1.0
MESJ	BZ	2840	129	IAMB		431	49.81			45	1.0				
MORF	BZ	2870	130	EP		431	49.25	-.050							1.0
MORF	BZ	2870	130	IAMB		431	50.36			31	0.9				

September 24 2016 Hour: 4:42 40.8 Lat: 57.28N Lon: 33.43W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.1 secs

REYKJANES RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2841	129	EP		448	9.990	.160							1.0
MESJ	BZ	2841	129	IAMB		448	13.26			21	1.0				
MORF	BZ	2871	130	EP		448	12.17	-.160							1.0
MORF	BZ	2871	130	IAMB		448	14.88			29	1.1				

September 24 2016 Hour: 5:16 58.4 Lat: 37.46N Lon: 8.31W Depth: 9F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

SW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	35	241	EP		517	4.160	.010							1.0
MORF	HE	35	241	ES		517	8.28	-.110							1.0
MORF	HN	35	241	IAML		517	9.69			28	0.2				
MESJ	HZ	43	11	EP		517	5.540	.110							1.0
MESJ	HE	43	11	ES		517	10.58	-.010							1.0
MESJ	HN	43	11	IAML		517	11.15			13	0.2				

September 24 2016 Hour: 5:39 17.0 Lat: 57.30N Lon: 33.53W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

REYKJANES RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2847	129	EP		544	46.550	.040							1.0
MESJ	BZ	2847	129	IAMB		544	49.72			22	1.1				
MORF	BZ	2877	130	EP		544	48.97	-.040							1.0
MORF	BZ	2877	130	IAMB		544	51.20			32	1.3				

September 24 2016 Hour: 11:24 16.7 Lat: 35.12N Lon: 4.74W Depth: 60F 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	427	306	EP		1125	11.920	.050							1.0
MESJ	HZ	433	315	EP		1125	12.52	-.130							1.0
MESJ	HE	433	315	ES		1125	53.570	.080							1.0
MESJ	HE	433	315	IAML		1125	55.83			8	0.1				

September 24 2016 Hour: 11:27 45.9 Lat: 6.67S Lon: 128.94E Depth:254FAgency: 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	BZ14508	315	EP	KPdf		1146	25.620	.000							1.0
MORF	BZ14569	315	EP	KPdf		1146	26.70	-.000							1.0

September 24 2016 Hour: 13:39 28.5 Lat: 32.44N Lon: 7.76W Depth: 11F 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
MORF	HZ	546	352	EP		1340	40.26	-.010							1.0

September 24 2016 Hour: 20:27 18.1 Lat: 21.54S Lon: 68.29W Depth: 95F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9023	44	EP		2039	22.990	.000							1.0
MORF	BZ	9023	44	I Amb		2039	24.73			23	1.0				
MESJ	BZ	9088	44	EP		2039	26.030	.010							1.0
MESJ	BZ	9088	44	I Amb		2039	28.12			23	0.7				
MESJ	BN	9088	44	ES		2049	31.31	-.010							1.0

September 24 2016 Hour: 21: 7 14.3 Lat: 18.13S Lon: 175.04W Depth:183FAgency: IGL Distant
Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17370	28	EP	KPdf		2126	45.910	.010							1.0
MESJ	BZ17496	28	EP	KPdf		2126	47.500	.100							1.0
MORF	BZ17523	29	EP	KPdf		2126	47.65	-.110							1.0

September 24 2016 Hour: 21:28 42.2 Lat: 19.85S Lon: 178.27W Depth:596FAgency: IGL Distant
Rms: 0.1 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17690	24	EP	KPdf		2147	32.190	.080							1.0
MESJ	BZ17815	24	EP	KPdf		2147	33.39	-.030							1.0
MORF	BZ17848	25	EP	KPdf		2147	33.75	-.050							1.0

September 25 2016 Hour: 5:20 0.4 Lat: 37.32N Lon: 8.61W Depth: 11F Agency: IGL Regional
Magnitudes: 0.6ML 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	247	EP		520	2.26	-.110							1.0
MORF	HE	4	247	ES		520	3.810	.000							1.0
MORF	HN	4	247	IAML		520	4.30			55	0.1				
MESJ	HN	67	31	ES		520	19.390	.120							1.0
MESJ	HN	67	31	IAML		520	21.20			2	0.1				

September 25 2016 Hour: 7:33 54.0 Lat: 37.50N Lon: 2.60W Depth: 1 Agency: IGL Regional
Magnitudes: 3.7ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	497	276	EP		735	0.880	.040							1.0
MESJ	HN	497	276	ES		735	49.56	-.100							1.0
MESJ	HN	497	276	IAML		736	18.30			145	0.2				
MORF	HZ	536	270	EP		735	5.640	.060							1.0

September 25 2016 Hour: 20:58 44.8 Lat: 37.48N Lon: 17.28W Depth: 24F Agency: IGL Regional
Magnitudes: 3.2ML 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	765	89	EP		21 0	21.59	-.010							1.0
MORF	HN	765	89	ES		21 1	32.360	.090							1.0
MORF	HN	765	89	IAML		21 1	38.29			19	0.2				
MESJ	HZ	801	84	EP		21 0	25.72	-.080							1.0

September 25 2016 Hour: 23:48 41.3 Lat: 38.22N Lon: 8.33W Depth: 8F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NE GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	43	167	EP		2348	48.36	-.070							1.0
MESJ	HE	43	167	ES		2348	53.700	.070							1.0
MESJ	HE	43	167	IAML		2348	54.43			4	0.1				

September 26 2016 Hour: 7:47 34.0 Lat: 36.46N Lon: 7.80W Depth: 15F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	321	EP		747	52.95	-.070							1.0
MESJ	HZ	158	346	EP		747	57.610	.040							1.0
MESJ	HN	158	346	ES		748	14.790	.030							1.0
MESJ	HN	158	346	IAML		748	21.88			22					

September 26 2016 Hour: 19:20 36.2 Lat: 35.42N Lon: 9.56W Depth: 18F Agency: IGL Regional
Magnitudes: 1.8ML 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	225	21	EP		1921	7.77	-.040							1.0
MORF	HN	225	21	ES		1921	30.75	-.170							1.0
MORF	HE	225	21	IAML		1921	31.64			7	0.1				
MESJ	HN	294	24	ES		1921	46.000	.230							1.0
MESJ	HN	294	24	IAML		1921	47.45			4	0.2				

September 27 2016 Hour: 0:29 17.2 Lat: 36.61N Lon: 7.98W Depth: 17F 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	98	322	EP		029	32.64	-.090							1.0
MORF	HN	98	322	ES		029	44.100	.030							1.0
MORF	HN	98	322	IAML		029	45.56			21	0.2				
MESJ	HZ	138	351	EP		029	38.12	-.040							1.0
MESJ	HE	138	351	ES		029	53.560	.100							1.0
MESJ	HN	138	351	IAML		029	54.36			10	0.2				

September 27 2016 Hour: 0:39 19.5 Lat: 37.11N Lon: 8.51W Depth: 15F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

SE PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	25	330	ES		039	27.670	.050							1.0
MORF	HN	25	330	IAML		039	27.97			18	0.1				
MESJ	HZ	85	17	EP		039	32.93	-.110							1.0

MESJ HN 85 17 ES 039 43.000.060 1.0
 MESJ HN 85 17 IAML 039 44.28 1 0.1

September 27 2016 Hour: 20:57 8.1 Lat: 36.36N Lon: 27.61E Depth: 90F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

DODECANESE ISLAND-TURKEY BORDER REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3170	284	EP		21	2	55.030.040							1.0
MESJ	BZ	3170	284	IAMB		21	2	55.85		62	0.6				
GGNV	BZ	3238	286	EP		21	3	0.32-.040							1.0
GGNV	BZ	3238	286	IAMB		21	3	3.23		158	0.8				

September 28 2016 Hour: 0:19 8.1 Lat: 37.53N Lon: 7.62W Depth: 12F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

SE MERTOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	63	303	EP		019	18.32-.030								1.0
MESJ	HN	63	303	ES		019	25.850.030								1.0
MESJ	HN	63	303	IAML		019	26.98			2	0.1				

September 28 2016 Hour: 7:17 32.2 Lat: 36.72N Lon: 21.80E Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

SOUTHERN GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2654	282	EP		722	45.84-.010								1.0
MESJ	BZ	2654	282	IAMB		722	46.30			25	0.9				
MESJ	BN	2654	282	ES		727	3.010.010								1.0

September 28 2016 Hour: 16:48 56.2 Lat: 12.45N Lon: 86.53W Depth: 8F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

NICARAGUA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8123	55	EP		17	0	26.710.100							1.0
MORF	BZ	8123	55	IAMB		17	0	32.60		20	0.8				
MORF	BN	8123	55	ES		17	9	54.650.010							1.0
MESJ	BN	8158	54	ES		17	9	58.02-.110							1.0

September 28 2016 Hour: 19:50 5.8 Lat: 35.82N Lon: 7.42W Depth: 32F Agency: IGL Regional
Magnitudes: 2.7ML 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	198	327	EP		1950	33.22-.010								1.0
MORF	HN	198	327	ES		1950	53.02-.230								1.0
MORF	HN	198	327	IAML		1950	55.88			73	0.1				
MESJ	HZ	235	343	EP		1950	37.980.200								1.0
MESJ	HN	235	343	ES		1951	1.160.050								1.0
MESJ	HN	235	343	IAML		1951	3.40			36	0.1				

September 28 2016 Hour: 20:18 24.4 Lat: 36.67N Lon: 9.72W 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	119	53	EP		2018	42.94-.000								1.0
MORF	HN	119	53	ES		2018	56.48-.000								1.0
MORF	HE	119	53	IAML		2018	58.48			5	0.1				
MESJ	HE	186	45	ES		2019	10.910.000								1.0
MESJ	HE	186	45	IAML		2019	14.16			2	0.1				

September 28 2016 Hour: 21:26 8.0 Lat: 36.12N Lon: 7.97W Depth: 30F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	145	335	EP		2126	28.76	-.090							1.0
MESJ	HZ	192	353	EP		2126	34.720	.050							1.0
MESJ	HN	192	353	ES		2126	54.190	.050							1.0
MESJ	HN	192	353	IAML		2126	55.15			5	0.1				

September 29 2016 Hour: 12:17 36.0 Lat: 35.61N Lon: 5.08W Depth: 0 Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	371	302	EP		1218	27.600	.010							1.0
MORF	HN	371	302	ES		1219	5.250	.020							1.0
MORF	HN	371	302	IAML		1219	8.24			9	0.1				
MESJ	HZ	374	312	EP		1218	27.87	-.020							1.0
MESJ	HN	374	312	ES		1219	5.73	-.020							1.0
MESJ	HN	374	312	IAML		1219	7.95			7	0.2				

September 29 2016 Hour: 12:39 17.0 Lat: 32.35N Lon: 7.80W Depth: 11F 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	555	352	EP		1240	29.970	.070							1.0
MESJ	HZ	610	357	EP		1240	36.44	-.080							1.0

September 29 2016 Hour: 18:25 43.6 Lat: 35.87N Lon: 7.53W Depth: 32F 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	188	328	EP		1826	9.78	-.030							1.0
MORF	HN	188	328	ES		1826	28.73	-.190							1.0
MORF	HN	188	328	IAML		1826	31.97			91	0.2				
MESJ	HZ	227	344	EP		1826	14.860	.270							1.0
MESJ	HE	227	344	ES		1826	37.14	-.050							1.0
MESJ	HE	227	344	IAML		1826	40.83			41	0.4				

September 29 2016 Hour: 20:23 14.7 Lat: 16.13N Lon: 84.94W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

OFFSHORE HONDURAS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7748	56	EP		2034	24.460	.000							1.0
MORF	BZ	7748	56	IAMB		2034	26.37			169	1.8				
MESJ	BZ	7780	55	EP		2034	26.21	-.000							1.0
MESJ	BZ	7780	55	IAMB		2034	27.07			30	1.3				

September 29 2016 Hour: 21:7 37.8 Lat: 36.73N Lon: 7.48W Depth: 22F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	122	302	EP		21 7	56.21	-.180							1.0
MORF	HN	122	302	ES		21 8	10.050	.090							1.0
MORF	HN	122	302	IAML		21 8	11.36			11	0.2				
MESJ	HZ	140	332	EP		21 7	58.45	-.060							1.0
MESJ	HN	140	332	ES		21 8	13.770	.150							1.0
MESJ	HN	140	332	IAML		21 8	15.70			5	0.1				

September 30 2016 Hour: 8:22 4.6 Lat: 37.02N Lon: 3.64W Depth: 0 Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	415	284	EP		823	1.46	-.150							1.0
MORF	HN	446	276	ES		823	49.970	.150							1.0
MORF	HN	446	276	IAML		823	52.30			18	0.5				

September 30 2016 Hour: 19:25 41.8 Lat: 37.06N Lon: 8.75W Depth: 6F 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	29	18	EP		1925	46.41	-.160							1.0
MORF	HN	29	18	ES		1925	50.050	.010							1.0
MORF	HN	29	18	IAML		1925	50.92			6	0.1				
MESJ	HN	98	28	ES		1926	9.480	.150							1.0
MESJ	HN	98	28	IAML		1926	10.53			2	0.2				

September 30 2016 Hour: 23: 6 48.8 Lat: 19.88N Lon: 74.36W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

CUBA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6618	57	EP		2316	52.020	.020							1.0
MESJ	BZ	6618	57	IAMB		2316	52.65			17	1.0				

October 1 2016 Hour: 0:33 4.2 Lat: 23.74S Lon: 174.85W Depth: 35F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.0 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17884	36	EPKp _{df}			052	59.800	.040							1.0
GGNV	BZ17884	36	IAMs_20		2 1	1.38				3908	11.5				
MESJ	BZ18011	36	EPKp _{df}			053	0.99	-.020							1.0
MESJ	BE18011	36	IAMs_20		2 2	11.69				2465	20.8				
MORF	BZ18027	38	EPKp _{df}			053	1.19	-.020							1.0
MORF	BZ18027	38	IAMs_20		2 1	26.55				3000	19.1				

October 1 2016 Hour: 0:43 3.9 Lat: 36.69N Lon: 9.78W Depth: 10F 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	122	55	EP		043	23.10	-.050							1.0
MORF	HN	122	55	ES		043	37.300	.120							1.0
MORF	HN	122	55	IAML		043	39.02			6	0.1				
MESJ	HZ	188	47	EP		043	31.54	-.200							1.0
MESJ	HN	188	47	ES		043	52.170	.130							1.0
MESJ	HN	188	47	IAML		043	53.67			2	0.1				

October 1 2016 Hour: 1: 3 51.5 Lat: 38.10N Lon: 8.20W Depth: 4F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.0 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	29	183	EP		1 3	56.290	.040							1.0
MESJ	HN	29	183	ES		1 3	59.66	-.040							1.0
MESJ	HN	29	183	IAML		1 3	59.87			3	0.1				

October 1 2016 Hour: 1:53 52.3 Lat: 36.73N Lon: 7.66W Depth: 24F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	133	338	EP		154	11.94	-.030							1.0
MESJ	HN	133	338	ES		154	26.390	.030							1.0
MESJ	HE	133	338	IAML		154	27.57			1	0.2				

October 1 2016 Hour: 2:33 3.5 Lat: 13.17S Lon: 167.18E Depth:217F Agency: IGL Distant
Rms: 0.0 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17262	351	EP	KPdf		252	29.770	.040							1.0
MORF	BZ17327	352	EP	KPdf		252	30.53	-.040							1.0

October 1 2016 Hour: 2:44 29.3 Lat: 37.30N Lon: 8.53W Depth:12F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	274	EP		244	31.92	-.060							1.0
MORF	HN	11	274	ES		244	33.980	.060							1.0
MORF	HE	11	274	IAML		244	34.44			20	0.1				

October 1 2016 Hour: 4:25 45.7 Lat: 23.56S Lon: 179.99W Depth:539F Agency: IGL Distant
Rms: 0.1 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18260	24	EP	KPdf		444	46.740	.070							1.0
MORF	BZ18292	27	EP	KPdf		444	46.91	-.070							1.0

October 1 2016 Hour: 8:4 39.1 Lat: 34.95N Lon: 73.63E Depth:43F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

PAKISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 7101	299	EP			815	7.29	-.040							1.0
MESJ	BZ 7101	299	IAMB			815	8.38			30	1.0				

October 1 2016 Hour: 13:17 17.0 Lat: 40.75N Lon: 29.32W Depth:10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

AZORES ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ 1740	91	EP			1320	57.57	-.030							1.0
GGNV	BZ 1740	91	IAMB			1321	2.28			84	1.1				
MORF	BZ 1826	95	EP			1321	7.56	-.020							1.0
MORF	BZ 1826	95	IAMB			1321	11.48			141	1.9				
MORF	BN 1826	95	ES			1324	11.000	.040							1.0
MESJ	BZ 1844	93	EP			1321	9.660	.010							1.0
MESJ	BZ 1844	93	IAMB			1321	16.82			114	1.9				

October 2 2016 Hour: 1:50 38.2 Lat: 6.46S Lon: 155.43E Depth:123F 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	BZ16139	339	EP	KPdf		210	0.250	.040							1.0
MESJ	BZ16186	337	EP	KPdf		210	0.92	-.040							1.0
MORF	BZ16257	337	EP	KPdf		210	2.080	.000							1.0

October 2 2016 Hour: 16:38 13.6 Lat: 27.10S Lon: 63.46W Depth:568F Agency: IGL Distant
Magnitudes: 4.6Mb 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 9209	41	EP			1649	38.64	-.020							1.0
MESJ	BZ 9209	41	IAMB			1649	41.43			36	1.9				

October 2 2016 Hour: 16:43 48.8 Lat: 27.12S Lon: 63.42W Depth:569F Agency: IGL Distant
Magnitudes: 4.4Mb IGL Rms: 0.1 secs

SANTIAGO DEL ESTERO, ARGENTINA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 9208	41	EP			1655	13.69	-.100							1.0
MESJ	BZ 9208	41	IAMB			1655	15.22			11	1.0				

October 3 2016 Hour: 21:55 44.3 Lat: 36.67N Lon: 9.70W Depth: 20F 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	117	53	EP		2156	2.470	.030							1.0
MORF	HN	117	53	ES		2156	15.63	-.030							1.0
MORF	HN	117	53	IAML		2156	17.55			4	0.3				

October 3 2016 Hour: 22:27 19.9 Lat: 37.84N Lon: 9.12W Depth: 5F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	72	145	EP		2227	31.57	-.060							1.0
MORF	HN	72	145	ES		2227	40.04	-.120							1.0
MORF	HN	72	145	IAML		2227	42.36			27	0.2				
MESJ	HZ	79	90	EP		2227	32.73	-.010							1.0
MESJ	HN	79	90	ES		2227	42.270	.180							1.0
MESJ	HN	79	90	IAML		2227	43.19			10	0.2				

October 3 2016 Hour: 22:49 38.5 Lat: 36.94N Lon: 8.50W Depth: 10F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	342	EP		2249	45.57	-.030							1.0
MESJ	HN	103	14	ES		2250	6.840	.030							1.0
MESJ	HN	103	14	IAML		2250	9.29			2	0.1				

October 4 2016 Hour: 3:3 5.2 Lat: 38.67N Lon: 9.12W Depth: 1 Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs

E ALMADA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	6	334	EP		3 3	5.77	-.370							1.0
GGNV	HE	6	334	ES		3 3	6.980	.140							1.0
GGNV	HN	6	334	IAML		3 3	7.49			1049	0.1				
MESJ	HZ	121	139	EP		3 3	24.73	-.000							0.9
MESJ	HE	121	139	ES		3 3	39.320	.310							0.9
MESJ	HE	121	139	IAML		3 3	40.36			11	0.3				
MORF	HZ	157	165	EP		3 3	29.92	-.070							0.9
MORF	HN	157	165	ES		3 3	48.140	.030							0.9
MORF	HN	157	165	IAML		3 3	50.97			16	0.1				

October 4 2016 Hour: 18:41 33.7 Lat: 38.69N Lon: 9.14W Depth: 12F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

NE ALMADA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	3	345	EP		1841	35.690	.000							1.0
GGNV	HE	3	345	ES		1841	37.15	-.000							1.0
GGNV	HN	3	345	IAML		1841	37.40			150	0.1				

October 5 2016 Hour: 2:21 31.7 Lat: 36.35N Lon: 9.08W 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
MORF	HZ	113	20	EP		221	49.38	-.150							1.0
MORF	HN	113	20	ES		222	2.680	.160							1.0
MORF	HN	113	20	IAML		222	5.02			6	0.2				
MESJ	HZ	182	25	EP		221	58.26	-.070							1.0
MESJ	HN	182	25	ES		222	17.800	.060							1.0
MESJ	HE	182	25	IAML		222	21.61			2	0.2				

October 5 2016 Hour: 3:51 32.1 Lat: 36.64N Lon: 9.77W Depth: 14F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	124	53	EP		351	51.50	-.090							1.0
MORF	HE	124	53	ES		352	5.79	-.040							1.0
MORF	HN	124	53	IAML		352	7.11		6	0.1					
MESJ	HZ	191	45	EP		351	59.82	-.100							1.0
MESJ	HE	191	45	ES		352	20.48	0.240							1.0
MESJ	HN	191	45	IAML		352	22.25		1	0.1					

October 5 2016 Hour: 16: 6 14.2 Lat: 9.78S Lon: 74.87W Depth:100F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8635	48	EP		1617	59.58	-.030							1.0
MORF	BZ	8635	48	IAMB		1618	1.53		35	1.0					
MESJ	BZ	8693	48	EP		1618	2.46	0.030							1.0
MESJ	BZ	8693	48	IAMB		1618	3.59		29	1.2					

October 5 2016 Hour: 19:47 18.3 Lat: 36.78N Lon: 7.02W Depth: 22F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	156	292	ES		1947	57.74	-0.01							1.0
MORF	HN	156	292	IAML		1947	58.60		7	0.1					
MESJ	HZ	159	318	EP		1947	41.30	-0.03							1.0
MESJ	HE	159	318	ES		1947	58.20	0.04							1.0
MESJ	HE	159	318	IAML		1947	59.46		10	0.1					

October 6 2016 Hour: 15:51 59.3 Lat: 22.63N Lon: 121.43E Depth: 14F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.0 secs

TAIWAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11506	322	EPP			1610	14.62	-.020							1.0
GGNV	BE11506	322	IAMs_20			1648	42.86		6389	18.8					
MESJ	BZ11514	321	EPP			1610	15.21	0.020							1.0
MESJ	BN11514	321	IAMs_20			1650	18.09		4852	24.3					
MORF	BZ11583	321	EPP			1610	19.82	-.000							1.0
MORF	BE11583	321	IAMs_20			1650	36.33		5605	25.5					

October 7 2016 Hour: 20:42 40.2 Lat: 36.73N Lon: 8.10W Depth: 26F 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	81	323	EP		2042	53.24	0.110							1.0
MORF	HE	81	323	ES		2043	2.54	-.060							1.0
MORF	HN	81	323	IAML		2043	3.65		139	0.3					
MESJ	HZ	124	355	EP		2042	58.66	0.080							1.0
MESJ	HE	124	355	ES		2043	11.90	-.140							1.0
MESJ	HN	124	355	IAML		2043	12.77		79	0.1					

October 8 2016 Hour: 3:21 32.7 Lat: 37.30N Lon: 8.54W Depth: 11F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.0 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		321	35.18	-.000							1.0
MORF	HN	10	274	ES		321	36.97	0.000							1.0
MORF	HN	10	274	IAML		321	37.62		10	0.1					

October 8 2016 Hour: 4:4 39.3 Lat: 37.30N Lon: 8.52W Depth: 14F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	274	EP		4	4	42.02	-	.210					1.0
MORF	HN	12	274	ES		4	4	44.45	0.040						1.0
MORF	HN	12	274	IAML		4	4	45.30			11	0.1			
MESJ	HZ	66	24	EP		4	4	49.90	0.040						1.0
MESJ	HE	66	24	ES		4	4	57.75	0.140						1.0
MESJ	HE	66	24	IAML		4	4	59.74			3	0.1			

October 8 2016 Hour: 4:14 36.7 Lat: 35.71N Lon: 3.67W 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	469	302	EP		415	40.30	0.010							1.0

October 8 2016 Hour: 4:29 46.0 Lat: 20.37N Lon: 57.43W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

NORTH ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5101	57	EP		438	8.26	-	.000						1.0
MESJ	BZ	5101	57	IAMB		438	9.55				11	0.9			

October 8 2016 Hour: 10:56 50.6 Lat: 38.82N Lon: 8.77W Depth: 20F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

SE BENAVENTE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	119	156	EP		1057	8.94	-	.000						1.0
MESJ	HN	119	156	ES		1057	22.32	0.000							1.0
MESJ	HN	119	156	IAML		1057	23.76				7	0.2			

October 8 2016 Hour: 19:41 18.3 Lat: 37.08S Lon: 178.79E Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms 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
GGNV	BZ19292	73	EPP			20	6	48.68	0.090						1.0
GGNV	BZ19292	73	IAMs_20			2115	43.39			3667	37.9				
MORF	BZ19352	86	EPKp \bar{d} f			20	1	27.66	-	.080					1.0
MORF	BZ19352	86	EPP			20	6	51.45	0.140						1.0
MORF	BZ19352	86	IAMs_20			21	8	53.64		1940	27.8				
MESJ	BZ19387	80	EPKp \bar{d} f			20	1	27.76	-	.040					1.0
MESJ	BZ19387	80	EPP			20	6	52.68	-	.110					1.0
MESJ	BZ19387	80	IAMs_20			2110	7.57			1460	20.7				

October 9 2016 Hour: 0:18 58.0 Lat: 35.52N Lon: 9.48W Depth: 4F 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	212	20	EP		019	29.36	-	.030						1.0
MESJ	HZ	281	23	EP		019	37.97	0.010							1.0
MESJ	HN	281	23	ES		020	7.15	0.020							1.0
MESJ	HN	281	23	IAML		020	8.49				2	0.2			

October 9 2016 Hour: 14:46 26.9 Lat: 1.76N Lon: 127.47E Depth: 128F Agency: IGL Distant
Rms: 0.1 secs

HALMAHERA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13716	319	EPKp \bar{d} f			15	5	8.24	0.060						1.0
MORF	BZ13780	318	EPKp \bar{d} f			15	5	9.28	-	.060					1.0

October 10 2016 Hour: 2:14 28.7 Lat: 34.73N Lon: 5.88W Depth: 5F Agency: IGL Regional
Magnitudes: 2.5ML 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	404	329	EP		215	23.81	-.060							1.0
MESJ	HN	404	329	ES		216	4.21	0.060							1.0
MESJ	HN	404	329	IAML		216	6.11			13	0.3				

October 10 2016 Hour: 3:47 39.8 Lat: 37.15N Lon: 7.95W Depth: 8F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs
W S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	65	286	EP		347	50.14	-.200							1.0
MORF	HN	65	286	ES		347	57.96	-.050							1.0
MORF	HN	65	286	IAML		348	1.37			170	0.2				
MESJ	HZ	80	343	EP		347	52.84	0.010							1.0
MESJ	HN	80	343	ES		348	2.55	0.230							1.0
MESJ	HN	80	343	IAML		348	5.13			47	0.1				

October 10 2016 Hour: 10:27 30.9 Lat: 36.74N Lon: 10.98W Depth: 32F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	217	72	EP		1028	0.58	0.040							1.0
MORF	HN	217	72	ES		1028	22.15	-.060							1.0
MORF	HN	217	72	IAML		1028	25.09			3	0.2				
MESJ	HN	273	63	ES		1028	34.41	0.030							1.0
MESJ	HN	273	63	IAML		1028	38.67			3	0.3				

October 10 2016 Hour: 15:38 20.4 Lat: 36.72N Lon: 7.41W Depth: 30F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	128	301	EP		1538	39.24	0.040							1.0
MORF	HE	128	301	ES		1538	52.85	-.040							1.0
MORF	HE	128	301	IAML		1538	54.27			6	0.0				

October 10 2016 Hour: 15:50 1.2 Lat: 37.24N Lon: 8.58W Depth: 18F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs
SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	320	EP		1550	4.42	-.130							1.0
MORF	HN	10	320	ES		1550	6.95	-.020							1.0
MORF	HN	10	320	IAML		1550	7.94			3889	0.1				
MESJ	HZ	74	25	EP		1550	13.31	0.150							1.0
MESJ	HE	74	25	ES		1550	21.86	0.000							1.0
MESJ	HN	74	25	IAML		1550	24.15			222	0.2				

October 10 2016 Hour: 17:13 54.2 Lat: 36.56N Lon: 7.22W Depth: 26F Agency: IGL Regional
Magnitudes: 3.3ML 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	152	303	EP		1714	16.03	-.200							1.0
MORF	HE	152	303	ES		1714	32.31	0.030							1.0
MORF	HN	152	303	IAML		1714	41.88			437	0.4				
MESJ	HZ	167	328	EP		1714	18.26	0.140							1.0
MESJ	HE	167	328	ES		1714	35.58	0.030							1.0
MESJ	HE	167	328	IAML		1714	42.35			223	0.3				

October 10 2016 Hour: 17:21 25.4 Lat: 36.81N Lon: 7.24W Depth: 11F 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
MORF	HZ	137	294	EP		1721	46.79	-.010							1.0
MORF	HE	137	294	ES		1722	2.40	-.020							1.0
MORF	HN	137	294	IAML		1722	4.77			11	0.2				
MESJ	HN	144	323	ES		1722	3.790	.030							1.0
MESJ	HN	144	323	IAML		1722	8.27			4	0.1				

October 11 2016 Hour: 1:21 54.8 Lat: 37.30N Lon: 8.56W Depth: 11F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

SW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	275	EP		121	56.97	-.150							1.0
MORF	HE	8	275	ES		121	58.820	.040							1.0
MORF	HN	8	275	IAML		121	59.28			18	0.2				
MESJ	HN	67	27	ES		122	13.800	.120							1.0
MESJ	HE	67	27	IAML		122	16.36			2	0.2				

October 11 2016 Hour: 5:17 28.3 Lat: 37.84N Lon: 1.21W Depth: 11F 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	617	272	EP		518	48.62	-.010							1.0

October 11 2016 Hour: 8:26 54.1 Lat: 35.86N Lon: 8.74W Depth: 32F 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	161	3	EP		827	16.920	.040							1.0
MORF	HN	161	3	ES		827	33.44	-.040							1.0
MORF	HN	161	3	IAML		827	36.98			6	0.2				

October 11 2016 Hour: 11:48 30.1 Lat: 38.40N Lon: 21.81E Depth: 10F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.0 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2622	278	EP		1153	41.150	.020							1.0
MESJ	BZ	2622	278	IAMB		1153	44.52			12	0.7				
MESJ	BE	2622	278	ES		1157	56.26	-.020							1.0

October 11 2016 Hour: 13:2 46.9 Lat: 32.28N Lon: 7.60W Depth: 13F Agency: IGL Regional
Magnitudes: 1.6ML 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	566	351	EP		13	4	1.030	.070						1.0
MESJ	HZ	619	355	EP		13	4	7.450	.040						1.0
MESJ	HE	619	355	ES		13	5	6.05	-.110						1.0
MESJ	HE	619	355	IAML		13	5	7.52		0.80	0.1				

October 11 2016 Hour: 14:1 6.1 Lat: 38.65N Lon: 9.81W Depth: 29F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	166	122	EP		14	1	29.650	.040						1.0
MESJ	HE	166	122	ES		14	1	46.69	-.040						1.0
MESJ	HN	166	122	IAML		14	1	47.82		3	0.2				

October 11 2016 Hour: 19:16 15.4 Lat: 35.47N Lon: 3.78W 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	476	305	EP		1917	19.920	.010							1.0

October 12 2016 Hour: 2: 8 42.9 Lat: 35.77N Lon: 4.70W Depth: 38F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	389	307	EP		2 9	33.57	-.100							1.0
MESJ	HN	389	307	ES		210	10.880	.110							1.0
MESJ	HN	389	307	IAML		210	13.51			3	0.2				
MORF	HN	392	297	ES		210	11.59	-.000							1.0
MORF	HN	392	297	IAML		210	14.54			7	0.2				

October 12 2016 Hour: 3: 0 51.8 Lat: 42.13N Lon: 7.79W Depth: 13F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.0 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	478	185	EP		3 1	55.170	.040							1.0
MESJ	HN	478	185	ES		3 2	41.34	-.000							1.0
MESJ	HN	478	185	IAML		3 2	43.35			5	0.4				
MORF	HZ	541	188	EP		3 2	2.74	-.040							1.0

October 12 2016 Hour: 3:21 26.5 Lat: 5.37S Lon: 153.47E Depth: 22F Agency: IGL Distant
Magnitudes: 5.5Ms 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
MESJ	BZ15989	335	EPKp _d f			340	59.01	-.020							1.0
MESJ	BZ15989	335	IAMs_20			454	56.37			718	22.6				
MORF	BZ16059	335	EPKp _d f			341	0.190	.020							1.0
MORF	BZ16059	335	IAMs_20			455	15.85			970	21.2				

October 12 2016 Hour: 22:12 47.8 Lat: 36.58N Lon: 7.31W Depth: 31F 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	HN	144	304	ES		2213	22.370	.010							1.0
MORF	HE	144	304	IAML		2213	23.99			10	0.2				
MESJ	HZ	161	330	EP		2213	9.82	-.100							1.0
MESJ	HN	161	330	ES		2213	26.110	.080							1.0
MESJ	HE	161	330	IAML		2213	27.87			9	0.1				

October 12 2016 Hour: 23:48 46.9 Lat: 38.73N Lon: 10.94W Depth: 31F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN, PORTUGAL Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	255	127	EP		2349	20.890	.200							1.0
MORF	HE	255	127	ES		2349	45.16	-.200							1.0
MORF	HN	255	127	IAML		2349	47.38			10	0.1				

October 13 2016 Hour: 16:10 33.2 Lat: 38.67N Lon: 8.41W Depth: 0 Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs

E VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	94	170	EP		1610	48.30	-.010							1.0
MESJ	HN	94	170	ES		1610	59.20	-.140							1.0
MESJ	HN	94	170	IAML		1611	1.24			14	0.2				
MORF	HZ	153	188	EP		1610	57.950	.270							1.0
MORF	HE	153	188	ES		1611	15.43	-.110							1.0
MORF	HN	153	188	IAML		1611	17.74			12	0.1				

October 14 2016 Hour: 8:24 44.7 Lat: 37.41N Lon: 8.60W Depth: 9F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	201	EP		824	47.24	-.020							1.0
MORF	HN	12	201	ES		824	48.99	-.110							1.0
MORF	HN	12	201	IAML		824	49.56		407	0.1					
MESJ	HZ	58	35	EP		824	54.350	.090							1.0
MESJ	HE	58	35	ES		825	1.270	.060							1.0
MESJ	HN	58	35	IAML		825	4.09		15	0.1					

October 14 2016 Hour: 18:28 51.3 Lat: 35.87N Lon: 7.49W Depth: 32F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	190	327	EP		1829	17.45	-.240							1.0
MORF	HN	190	327	ES		1829	37.110	.140							1.0
MORF	HN	190	327	IAML		1829	37.97		11	0.2					
MESJ	HZ	228	344	EP		1829	22.460	.110							1.0

October 15 2016 Hour: 5:57 32.8 Lat: 38.10N Lon: 9.03W Depth: 7F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.2 secs

NW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	77	112	EP		557	45.00	-.250							1.0
MESJ	HN	77	112	ES		557	54.470	.140							1.0
MESJ	HN	77	112	IAML		557	56.56		2	0.2					
MORF	HZ	94	159	EP		557	48.00	-.050							1.0
MORF	HE	94	159	ES		557	59.330	.160							1.0
MORF	HN	94	159	IAML		558	0.23		3	0.2					

October 15 2016 Hour: 11:39 9.9 Lat: 37.34N Lon: 8.53W Depth: 9F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	251	EP		1139	12.17	-.160							1.0
MORF	HN	11	251	ES		1139	14.180	.100							1.0
MORF	HE	11	251	IAML		1139	14.67		18	0.1					
MESJ	HZ	62	26	EP		1139	20.080	.060							1.0

October 15 2016 Hour: 14:56 43.8 Lat: 36.82N Lon: 4.56W Depth: 30F 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
MESJ	HZ	344	290	EP		1457	29.400	.130							1.0
MESJ	HE	344	290	ES		1458	2.590	.110							1.0
MESJ	HN	344	290	IAML		1458	4.66		9	0.1					
MORF	HZ	368	280	EP		1457	32.21	-.100							1.0
MORF	HE	368	280	ES		1458	7.59	-.150							1.0
MORF	HN	368	280	IAML		1458	12.06		14	0.3					

October 15 2016 Hour: 16:32 34.4 Lat: 36.76N Lon: 9.69W Depth: 28F 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	111	56	EP		1632	51.120	.020							1.0
MORF	HN	111	56	ES		1633	3.28	-.020							1.0
MORF	HN	111	56	IAML		1633	5.20		8	0.1					

October 15 2016 Hour: 17:56 44.0 Lat: 36.97N Lon: 8.53W Depth: 13F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

SW LAGOA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	39	344	EP		1756	50.56	-.020							1.0
MORF	HE	39	344	ES		1756	55.34	-.050							1.0
MORF	HE	39	344	IAML		1756	56.72		18	0.2					
MESJ	HN	100	16	ES		1757	11.530	.070							1.0
MESJ	HN	100	16	IAML		1757	13.59		1	0.1					

October 15 2016 Hour: 19:55 30.3 Lat: 35.54N Lon: 3.74W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	475	304	EP		1956	34.62	-.040							1.0

October 15 2016 Hour: 20:14 47.5 Lat: 39.78N Lon: 20.63E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2504	274	EP		2019	47.490	.070							1.0
MESJ	BZ	2504	274	IAMB		2019	54.22		61	1.1					
MORF	BZ	2556	273	EP		2019	52.29	-.110							1.0
MORF	BZ	2556	273	IAMB		2019	55.26		560	2.7					
GGNV	BZ	2562	277	EP		2019	52.970	.120							1.0
GGNV	BZ	2562	277	IAMB		2019	54.56		51	0.8					
GGNV	BN	2562	277	ES		2024	4.67	-.070							1.0

October 16 2016 Hour: 0:41 17.4 Lat: 39.80N Lon: 20.57E Depth: 36F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

GREECE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2499	274	EP		046	13.50	-.010							1.0
MESJ	BZ	2499	274	IAMB		046	16.11		180	1.7					
MESJ	BN	2499	274	ES		050	19.18	-.150							1.0
MORF	BZ	2551	273	EP		046	18.570	.080							1.0
MORF	BZ	2551	273	IAMB		046	19.89		109	1.7					
MORF	BN	2551	273	ES		050	27.210	.070							1.0

October 16 2016 Hour: 1:33 53.5 Lat: 37.34N Lon: 8.47W Depth: 13F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	257	EP		133	56.990	.050							1.0
MORF	HN	16	257	ES		133	59.560	.120							1.0
MORF	HE	16	257	IAML		133	59.83		40	0.3					
MESJ	HZ	60	22	EP		134	3.260	.020							1.0
MESJ	HN	60	22	ES		134	10.14	-.200							1.0
MESJ	HE	60	22	IAML		134	11.07		2	0.1					

October 16 2016 Hour: 17:43 46.7 Lat: 35.46N Lon: 3.57W Depth: 32F Agency: IGL Regional
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	493	304	EP		1744	50.29	-.070							1.0

October 16 2016 Hour: 23:28 13.8 Lat: 37.30N Lon: 8.55W Depth: 13F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	275	EP		2328	16.26	-.170							1.0
MORF	HN	9	275	ES		2328	18.470	.140							1.0
MORF	HE	9	275	IAML		2328	19.22		11	0.1					

MESJ HN 67 26 ES 2328 32.480.030 1.0
 MESJ HN 67 26 IAML 2328 33.47 1 0.2

October 17 2016 Hour: 6:14 52.8 Lat: 5.92S Lon: 148.60E Depth: 40F Agency: IGL Distant
Magnitudes: 6.9Ms 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	BZ15766	331	EP	KP		634	19.16	-.020							1.0
GGNV	BZ15766	331	EPP			637	23.790	.090							1.0
GGNV	BZ15766	331	IAMs	20		743	7.84		27802	20.5					
MESJ	BZ15792	330	EP	KP		634	19.710	.080							1.0
MESJ	BZ15792	330	EPP			637	25.160	.020							1.0
MESJ	BZ15792	330	IAMs	20		731	27.29		32301	31.6					
MORF	BZ15862	330	EP	KP		634	20.61	-.180							1.0
MORF	BZ15862	330	EPP			637	29.010	.000							1.0
MORF	BN15862	330	ESS			656	3.18								
MORF	BZ15862	330	IAMs	20		733	4.11		36221	32.3					

October 17 2016 Hour: 7:14 49.1 Lat: 32.91N Lon: 94.88E Depth: 23F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

XIZANG-QINGHAI BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8860	308	EP		726	55.020	.000							1.0
MESJ	BZ	8860	308	IAMB		726	56.56		78	1.2					
MORF	BZ	8925	308	EP		726	58.21	-.000							1.0
MORF	BZ	8925	308	IAMB		727	0.43		73	1.2					

October 17 2016 Hour: 10:58 36.9 Lat: 38.21N Lon: 9.64W Depth: 1 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	131	108	EP		1058	58.10	-.010							1.0
MESJ	HN	131	108	ES		1059	13.51	-.050							1.0
MESJ	HN	131	108	IAML		1059	16.18		9	0.1					
MORF	HZ	133	139	EP		1058	58.380	.010							1.0
MORF	HN	133	139	ES		1059	14.060	.050							1.0
MORF	HN	133	139	IAML		1059	17.81		50	0.3					

October 17 2016 Hour: 11:36 45.5 Lat: 36.97N Lon: 11.09W Depth: 31F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	220	79	EP		1137	14.81	-.070							1.0
MORF	HN	220	79	ES		1137	36.410	.090							1.0
MORF	HE	220	79	IAML		1137	39.77		64	0.2					
MESJ	HZ	272	68	EP		1137	21.14	-.150							1.0
MESJ	HN	272	68	ES		1137	47.540	.130							1.0
MESJ	HN	272	68	IAML		1137	52.22		11	0.1					

October 17 2016 Hour: 19:28 6.5 Lat: 36.02N Lon: 7.44W Depth: 28F 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	179	323	EP		1928	31.69	-.050							1.0
MORF	HE	179	323	ES		1928	50.05	-.110							1.0
MORF	HN	179	323	IAML		1928	52.51		3	0.1					
MESJ	HZ	214	341	EP		1928	36.120	.140							1.0
MESJ	HN	214	341	ES		1928	57.530	.030							1.0
MESJ	HN	214	341	IAML		1928	58.98		4	0.3					

October 17 2016 Hour: 21:40 57.3 Lat: 36.13N Lon: 8.49W 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	131	354	EP		2141	16.53	-.040							1.0
MORF	HN	131	354	ES		2141	30.55	-.060							1.0
MORF	HN	131	354	IAML		2141	31.22			7	0.1				
MESJ	HZ	191	7	EP		2141	23.97	-.010							1.0
MESJ	HN	191	7	ES		2141	43.54	0.120							1.0
MESJ	HN	191	7	IAML		2141	44.29			4	0.1				

October 17 2016 Hour: 23:30 39.5 Lat: 36.59N Lon: 7.51W Depth: 31F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	308	EP		2330	57.37	-.140							1.0
MESJ	HZ	152	336	EP		2331	0.42	0.050							1.0
MESJ	HN	152	336	ES		2331	15.70	0.090							1.0
MESJ	HN	152	336	IAML		2331	17.45			2	0.1				

October 18 2016 Hour: 6:32 8.7 Lat: 37.32N Lon: 8.53W Depth: 13F Agency: IGL Regional
Magnitudes: 0.7ML 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	11	262	EP		632	11.42	-.070							1.0
MORF	HN	11	262	ES		632	13.58	0.060							1.0
MORF	HN	11	262	IAML		632	14.10			48	0.1				
MESJ	HZ	64	25	EP		632	19.05	-.010							1.0
MESJ	HE	64	25	ES		632	26.63	0.020							1.0
MESJ	HN	64	25	IAML		632	28.64			2	0.1				

October 18 2016 Hour: 16:19 33.7 Lat: 39.49N Lon: 9.24W Depth: 8F Agency: IGL Regional
Magnitudes: 3.3ML IGL Rms: 0.1 secs

NW CALDAS DA RAINHA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	86	175	EP		1619	47.58	-.050							1.0
GGNV	HN	86	175	ES		1619	57.87	0.060							1.0
GGNV	HN	86	175	IAML		1620	1.54			1160	0.3				
MESJ	HZ	204	154	EP		1620	3.85	0.250							0.9
MORF	HZ	248	168	EP		1620	8.90	-.230							0.9
MORF	HN	248	168	ES		1620	34.96	-.050							0.9
MORF	HN	248	168	IAML		1620	43.68			129	0.4				

October 18 2016 Hour: 16:36 41.9 Lat: 23.32S Lon: 179.92W Depth: 540F 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	BZ18233	24	EP	KPdf		1655	42.56	0.020							1.0
MORF	BZ18265	26	EP	KPdf		1655	42.85	-.020							1.0

October 18 2016 Hour: 22: 8 14.1 Lat: 15.23N Lon: 61.52W Depth: 143F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.0 secs

DOMINICA REGION, LEEWARD ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	5722	52	EP		2217	4.40	0.020							1.0
GGNV	BZ	5722	52	I Amb		2217	5.29			103	0.7				
MORF	BZ	5734	54	EP		2217	5.25	-.030							1.0
MORF	BZ	5734	54	I Amb		2217	6.81			285	1.1				
MESJ	BZ	5783	54	EP		2217	8.46	0.010							1.0
MESJ	BZ	5783	54	I Amb		2217	9.51			215	1.8				

October 18 2016 Hour: 22:28 40.7 Lat: 37.27N Lon: 7.86W Depth: 11F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

N S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	70	274	EP		2228	52.100	.000							1.0
MORF	HN	70	274	ES		2229	0.430	.020							1.0
MORF	HN	70	274	IAML		2229	1.21		2	0.1					
MESJ	HZ	71	333	EP		2228	52.02	-.140							1.0
MESJ	HN	71	333	ES		2229	0.630	.110							1.0
MESJ	HN	71	333	IAML		2229	2.55		3	0.1					

October 19 2016 Hour: 0:26 1.4 Lat: 4.92S Lon: 108.16E Depth:614F Agency: IGL Distant
Rms: 0.1 secs

JAVA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12661	309	EPdif			039	42.740	.140							1.0
MESJ	BZ12661	309	EPKpdf			043	31.14	-.020							1.0
MESJ	BZ12661	309	EPP			044	35.91	-.030							1.0
MORF	BZ12711	309	EPdif			039	44.61	-.050							1.0
MORF	BZ12711	309	EPKpdf			043	31.97	-.110							1.0
MORF	BZ12711	309	EPP			044	39.08	-.050							1.0
GGNV	BZ12718	310	EPdif			039	44.940	.110							1.0
GGNV	BZ12718	310	EPKpdf			043	32.110	.000							1.0
GGNV	BZ12718	310	EPP			044	39.460	.010							1.0

October 19 2016 Hour: 2:52 36.3 Lat: 38.12N Lon: 9.60W Depth: 14F Agency: IGL Regional
Magnitudes: 1.5ML 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	HE	77	31	ES		252	57.56	-.100							1.0
GGNV	HN	77	31	IAML		253	0.71		27	0.4					
MORF	HZ	123	137	EP		252	55.910	.250							1.0
MORF	HN	123	137	ES		253	9.78	-.000							1.0
MORF	HN	123	137	IAML		253	12.14		10	0.3					
MESJ	HZ	125	104	EP		252	55.82	-.090							1.0
MESJ	HE	125	104	ES		253	10.17	-.050							1.0
MESJ	HE	125	104	IAML		253	11.90		4	0.2					

October 19 2016 Hour: 4:32 32.3 Lat: 37.30N Lon: 8.53W Depth: 11F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.0 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	274	EP		432	34.88	-.010							1.0
MORF	HN	11	274	ES		432	36.750	.010							1.0
MORF	HN	11	274	IAML		432	37.42		8	0.1					

October 19 2016 Hour: 7:43 51.6 Lat: 37.25N Lon: 9.18W Depth: 28F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	47	82	EP		744	0.170	.110							1.0
MORF	HN	47	82	ES		744	6.22	-.030							1.0
MORF	HE	47	82	IAML		744	6.91		7	0.1					
MESJ	HE	107	52	ES		744	19.60	-.090							1.0
MESJ	HN	107	52	IAML		744	22.57		0.90	0.2					

October 19 2016 Hour: 12:46 3.2 Lat: 34.54N Lon: 8.78W Depth: 31F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	307	2	EP		1246	43.470	.090							1.0
MORF	HE	307	2	ES		1247	12.54	-.190							1.0
MORF	HE	307	2	IAML		1247	16.41		49	0.3					

MESJ HZ	370	8	EP	1246	51.02	-.080													1.0
MESJ HE	370	8	ES	1247	26.270	.190													1.0
MESJ HN	370	8	IAML	1247	29.47				19	0.2									

October 19 2016 Hour: 22:41 43.8 Lat: 35.56N Lon: 8.85W Depth: 32F 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	195	5	EP		2242	10.70	-.030							1.0
MORF	HE	195	5	ES		2242	30.440	.030							1.0
MORF	HE	195	5	IAML		2242	32.69		6	0.2					

October 20 2016 Hour: 0:9 26.9 Lat: 13.30N Lon: 44.85W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4469	47	EP		017	3.09	-.090							1.0
MORF	BZ	4469	47	IAMB		017	12.16		139	2.1					
MORF	BN	4469	47	ES		023	10.79	-.000							1.0
GGNV	BZ	4504	45	EP		017	5.750	.080							1.0
GGNV	BZ	4504	45	IAMB		017	10.44		62	1.3					
GGNV	BN	4504	45	ES		023	15.300	.010							1.0

October 21 2016 Hour: 4:38 54.9 Lat: 36.50N Lon: 9.74W Depth: 8F 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	132	47	EP		439	15.81	-.010							1.0
MORF	HN	132	47	ES		439	31.100	.010							1.0
MORF	HN	132	47	IAML		439	32.41		2	0.1					

October 21 2016 Hour: 9:50 33.9 Lat: 37.08N Lon: 8.18W Depth: 24F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	49	301	EP		950	42.400	.000							1.0
MORF	HN	49	301	ES		950	48.60	-.000							1.0
MORF	HN	49	301	IAML		950	50.02		10	0.2					

October 21 2016 Hour: 19:46 11.5 Lat: 36.54N Lon: 9.73W Depth: 13F 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	128	48	EP		1946	31.660	.050							1.0
MORF	HN	128	48	ES		1946	46.25	-.050							1.0
MORF	HN	128	48	IAML		1946	46.91		4	0.1					

October 21 2016 Hour: 19:47 49.2 Lat: 37.24N Lon: 9.00W Depth: 22F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

SW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	32	77	EP		1947	55.370	.070							1.0
MORF	HE	32	77	ES		1947	59.70	-.070							1.0
MORF	HN	32	77	IAML		1948	0.39		7	0.1					

October 22 2016 Hour: 6:57 25.0 Lat: 35.29N Lon: 6.04W Depth: 16F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	324	314	EP		658	8.84	-.250							1.0
MORF	HN	324	314	ES		658	41.560	.250							1.0
MORF	HN	324	314	IAML		658	43.91		6	0.1					

October 22 2016 Hour: 13:23 11.9 Lat: 37.30N Lon: 8.58W Depth: 15F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs
SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	276	EP		1323	14.61	0.020							1.0
MORF	HN	6	276	ES		1323	16.53	-.020							1.0
MORF	HN	6	276	IAML		1323	17.01			64	0.2				

October 23 2016 Hour: 6:37 2.2 Lat: 37.31N Lon: 8.61W Depth: 11F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	4	264	EP		637	4.04	-.100							1.0
MORF	HN	4	264	ES		637	5.66	0.100							1.0
MORF	HN	4	264	IAML		637	6.38			143	0.1				

October 26 2016 Hour: 5:22 1.5 Lat: 36.61N Lon: 9.64W Depth: 19F 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	117	48	EP		522	19.85	0.100							1.0
MORF	HN	117	48	ES		522	32.94	-.100							1.0
MORF	HN	117	48	IAML		522	34.96			8	0.2				

October 26 2016 Hour: 11:52 46.6 Lat: 35.39N Lon: 3.78W Depth: 1 Agency: IGL Regional
Magnitudes: 3.2ML 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	486	297	EP		1153	52.25	-.010							1.0
MORF	HN	486	297	ES		1154	40.17	0.010							1.0
MORF	HN	486	297	IAML		1154	44.55			51	0.4				

October 26 2016 Hour: 14:15 39.7 Lat: 39.49N Lon: 54.54E Depth: 20F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs
TURKMENISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5409	289	EP		1424	22.26	-.100							1.0
MORF	BZ	5409	289	IAMB		1424	23.20			13	0.7				

October 26 2016 Hour: 15:44 17.1 Lat: 36.54N Lon: 9.76W 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	130	49	EP		1544	37.28	0.020							1.0
MORF	HN	130	49	ES		1544	51.98	-.020							1.0
MORF	HN	130	49	IAML		1544	54.17			5	0.1				

October 26 2016 Hour: 17:10 36.4 Lat: 42.88N Lon: 13.13E Depth: 9F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs
CENTRAL ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1930	264	EP		1714	38.85	-.010							1.0
GGNV	BZ	1930	264	IAMB		1714	52.10			413	1.6				
MORF	BZ	1951	259	EP		1714	41.31	0.010							1.0
MORF	BZ	1951	259	IAMB		1714	49.52			334	2.0				

October 26 2016 Hour: 19:18 6.5 Lat: 42.92N Lon: 13.12E Depth: 10F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.0 secs
CENTRAL ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1929	264	EP		1922	8.89	0.030							1.0
GGNV	BN	1929	264	IAMS_20		1930	12.54			94646	11.5				
MORF	BZ	1951	259	EP		1922	11.31	-.030							1.0

MORF BN 1951 259 IAMs_20 1930 32.73 64456 15.8

October 26 2016 Hour: 19:27 19.1 Lat: 36.13N Lon: 8.32W Depth: 31F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	134	347	EP		1927	37.890	.090							1.0
MORF	HE	134	347	ES		1927	51.35	-.090							1.0
MORF	HN	134	347	IAML		1927	53.38			176	0.1				

October 27 2016 Hour: 1: 3 12.7 Lat: 1.43S Lon: 15.59W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.1 secs

NORTH OF ASCENSION ISLAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4350	9	EPP		112	9.580	.100							1.0
MORF	BN	4350	9	ES		116	40.63	-.120							1.0
MORF	BZ	4350	9	IAMs_20		125	49.54			2887	15.8				
GGNV	BZ	4496	8	EPP		112	23.810	.080							1.0
GGNV	BN	4496	8	ES		117	0.21	-.070							1.0
GGNV	BZ	4496	8	IAMs_20		130	18.72			2944	21.8				

October 27 2016 Hour: 3: 1 28.4 Lat: 38.24N Lon: 8.58W Depth: 11F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

NW GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	104	183	EP		3	1	45.020	.100						1.0
MORF	HN	104	183	ES		3	1	56.85	-.100						1.0
MORF	HE	104	183	IAML		3	1	58.81			82	0.2			

October 27 2016 Hour: 8:17 49.8 Lat: 1.33N Lon: 125.79E Depth: 56F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.1 secs

MOLUCCA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	13690	317	EPKPdf		836	39.680	.090							1.0

October 27 2016 Hour: 11:53 18.3 Lat: 53.62N Lon: 163.28W Depth: 17F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

UNIMAK ISLAND REGION, ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9481	20	EP		12	5	54.050	.110						1.0
GGNV	BE	9481	20	ESKSac		1216	17.85	-.040							1.0
GGNV	BE	9481	20	IAMs_20		1247	23.73			4086	14.9				
MORF	BZ	9643	20	EP		12	6	1.23	-.030						1.0
MORF	BN	9643	20	ESKSac		1216	27.19	-.040							1.0
MORF	BZ	9643	20	IAMs_20		1247	39.76			5779	21.2				

October 27 2016 Hour: 20:32 55.9 Lat: 33.76S Lon: 72.53W Depth: 15F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.1 secs

OFFSHORE VALPARAISO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	10272	46	EP		2046	5.70	-.030							1.0
MORF	BE	10272	46	ESKSac		2056	38.27	-.060							1.0
MORF	BZ	10272	46	IAMs_20		2128	22.44			12617	20.5				
GGNV	BZ	10344	44	EP		2046	8.690	.140							1.0
GGNV	BN	10344	44	ESKSac		2056	41.74	-.040							1.0
GGNV	BZ	10344	44	IAMs_20		2126	30.89			4118	26.4				

October 28 2016 Hour: 5:26 55.9 Lat: 4.72S Lon: 153.15E Depth: 61F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.2 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	BZ	15866	337	EPKPdf		546	21.03	-.240							1.0
GGNV	BZ	15866	337	IAMs_20		652	30.87			2189	21.1				
MORF	BZ	15979	335	EPKPdf		546	23.350	.240							1.0

MORF BZ15979 335 IAMs_20 645 45.20 328 22.4

October 28 2016 Hour: 20: 2 48.3 Lat: 39.36N Lon: 13.44E Depth:460F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

TYRRHENIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	1940	270	EP		20	6	25.060	.060						1.0
MORF	BZ	1940	270	IAmb		20	6	25.35		243	1.2				
MORF	BN	1940	270	ES		20	9	24.31	-.160						1.0
GGNV	BZ	1952	275	EP		20	6	26.180	.140						1.0
GGNV	BZ	1952	275	IAmb		20	6	28.41		450	0.9				
GGNV	BN	1952	275	ES		20	9	26.06	-.050						1.0

October 29 2016 Hour: 15:35 1.2 Lat: 35.23N Lon: 4.03W Depth: 0 Agency: IGL Regional
Magnitudes: 3.4ML 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	474	300	EP		1536		5.41	-.040						1.0
MORF	HN	474	300	ES		1536		52.430	.040						1.0
MORF	HN	474	300	IAML		1536		58.20		71	0.5				

October 30 2016 Hour: 4:49 40.9 Lat: 25.17S Lon: 70.42W Depth: 50F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9460	45	EP		5	2	11.13	-.050						1.0
MORF	BZ	9460	45	IAmb		5	2	12.05		35	1.2				

October 30 2016 Hour: 6:40 18.5 Lat: 42.84N Lon: 13.11E Depth: 10F Agency: IGL Distant
Magnitudes: 6.6Ms IGL Rms: 0.0 secs

CENTRAL ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1928	264	EP		644		20.62	-.030						1.0
GGNV	BE	1928	264	ES		647		34.740	.060						1.0
GGNV	BZ	1928	264	IAMs_20		651		17.19		328000	18.7				
MORF	BZ	1948	259	EP		644		23.070	.020						1.0
MORF	BE	1948	259	ES		647		39.27	-.050						1.0
MORF	BZ	1948	259	IAMs_20		649		46.67		367000	26.7				

October 30 2016 Hour: 18:16 46.7 Lat: 36.30N Lon: 7.83W Depth: 15F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	134	327	EP		1817		7.22	-.050						1.0

October 31 2016 Hour: 5:44 31.9 Lat: 22.47S Lon: 68.61W Depth:109F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9119	44	EP		556		39.62	-.070						1.0
MORF	BZ	9119	44	IAmb		556		41.23		26	0.9				