

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

September to October

2017

Instituto D. Luiz
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STATIONS USED

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

Lisboa (IGIDL)
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Marmelete (Picos)
MORF

Latitude	37.3043N
Longitude	8.6527W
Height	560m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

September 1 2017 Hour: 7:42 43.7 Lat: 10.09N Lon: 85.53W Depth: 19F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.0 secs

COSTA RICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8186	54	EP		754	15.71	0.030							1.0
MORF	BZ	8186	54	IAMs_20		820	0.17			1415	16.5				
MESJ	BZ	8224	54	EP		754	17.61	-.020							1.0
MESJ	BE	8224	54	ES		8 3	49.26	-.010							1.0
MESJ	BZ	8224	54	IAMs_20		820	16.47			1272	24.2				

September 1 2017 Hour: 10:59 41.4 Lat: 56.90N Lon: 34.00W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2716	127	EP		11 5	0.200	0.020							1.0
GGNV	BZ	2716	127	IAMB		11 5	1.60			60	0.8				
MESJ	BZ	2842	127	EP		11 5	10.52	-.010							1.0
MESJ	BN	2842	127	IAMB		11 5	18.72			30	0.9				
MESJ	BN	2842	127	ES		11 9	39.30	-.060							1.0
MORF	BZ	2871	128	EP		11 5	12.85	-.080							1.0
MORF	BZ	2871	128	IAMB		11 5	20.52			29	1.0				
MORF	BN	2871	128	ES		11 9	43.69	0.130							1.0

September 1 2017 Hour: 11:7 37.3 Lat: 57.05N Lon: 34.03W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2854	127	EP		1113	7.41	0.070							1.0
MESJ	BZ	2854	127	IAMB		1113	13.94			152	1.2				
MESJ	BN	2854	127	ES		1117	36.82	-.050							1.0
MORF	BZ	2883	129	EP		1113	9.75	-.020							1.0
MORF	BZ	2883	129	IAMB		1113	15.63			201	1.5				

September 1 2017 Hour: 12:29 19.0 Lat: 37.30N Lon: 8.56W Depth: 13F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs

S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	273	EP		1229	21.40	-.100							1.0
MORF	HE	8	273	ES		1229	23.46	0.100							1.0
MORF	HE	8	273	IAML		1229	23.97			7	0.1				

September 1 2017 Hour: 16:48 33.5 Lat: 35.93N Lon: 28.01E Depth: 80F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.1 secs

EASTERN MEDITERRANEAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3217	285	EP		1654	24.97	-.060							1.0
MESJ	BZ	3217	285	IAMB		1654	26.53			48	1.4				

September 2 2017 Hour: 7:18 37.5 Lat: 37.89N Lon: 9.50W Depth: 30F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	99	131	EP		718	52.68	0.010							1.0
MORF	HE	99	131	ES		719	3.73	-.010							1.0
MORF	HE	99	131	IAML		719	4.65			12	0.1				

September 2 2017 Hour: 9:36 49.4 Lat: 36.92N Lon: 8.58W Depth: 20F 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	351	EP		936	56.87	-.010							1.0
MORF	HN	43	351	ES		937	2.37	0.010							1.0
MORF	HN	43	351	IAML		937	3.53			6	0.2				

September 2 2017 Hour: 21:29 53.6 Lat: 35.04N Lon: 4.49W Depth: 6F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	451	305	EP		2130	54.450	.020							1.0
MORF	HE	451	305	ES		2131	38.870	.040							1.0
MORF	HN	451	305	IAML		2131	40.13			6	0.2				
MESJ	HZ	457	314	EP		2130	54.99	-.080							1.0
MESJ	HN	457	314	ES		2131	39.940	.010							1.0
MESJ	HN	457	314	IAML		2131	41.42			7	0.2				

September 3 2017 Hour: 3:30 0.6 Lat: 41.34N Lon: 129.04E Depth: 0 Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 secs

NORTH KOREA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10233	327	EP			343	11.290	.040							1.0
MESJ	BZ10233	327	IAMs_20			430	15.49			2076	10.4				
MORF	BZ10304	327	EP			343	14.20	-.040							1.0
MORF	BE10304	327	IAMs_20			430	45.20			2242	15.8				

September 3 2017 Hour: 11:5 53.2 Lat: 36.57N Lon: 9.87W Depth: 32F 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	HN	136	53	ES		11 6	27.15	-.010							1.0
MORF	HN	136	53	IAML		11 6	29.25			6	0.1				
MESJ	HZ	203	46	EP		11 6	21.210	.010							1.0
MESJ	HE	203	46	ES		11 6	41.63	-.000							1.0
MESJ	HE	203	46	IAML		11 6	42.42			1	0.1				

September 3 2017 Hour: 17:36 33.3 Lat: 36.45N Lon: 7.73W Depth: 25F 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	126	319	EP		1736	51.93	-.180							1.0
MESJ	HZ	160	344	EP		1736	56.570	.180							1.0
MESJ	HE	160	344	ES		1737	13.21	-.000							1.0
MESJ	HE	160	344	IAML		1737	21.69			78					

September 3 2017 Hour: 23:45 5.8 Lat: 38.10N Lon: 8.27W Depth: 0 Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	29	171	EP		2345	10.610	.090							1.0
MESJ	HE	29	171	ES		2345	13.88	-.090							1.0
MESJ	HE	29	171	IAML		2345	14.09			45	0.1				

September 4 2017 Hour: 8:7 37.4 Lat: 57.79S Lon: 25.58W Depth: 35F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 secs

SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10638	13	EP			820	58.73	-.010							1.0
MORF	BN10638	13	IAMs_20			853	37.76			3610	23.1				
MESJ	BZ10703	14	EP			821	1.310	.010							1.0
MESJ	BZ10703	14	IAMs_20			857	47.50			4381	22.0				

September 4 2017 Hour: 10:11 56.3 Lat: 37.12N Lon: 10.06W Depth: 10F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	127	80	EP		1012	16.32	-.000							1.0
MORF	HE	127	80	ES		1012	30.86	-.050							1.0
MORF	HN	127	80	IAML		1012	32.87			527	0.2				

MESJ HZ	181	63	EP	1012	23.15-	.150											1.0
MESJ HN	181	63	ES	1012	43.180.	.210											1.0
MESJ HE	181	63	IAML	1012	43.57				124	0.1							

September 4 2017 Hour: 13:11 29.1 Lat: 36.10N Lon: 10.95W Depth: 31F 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		245	56	EP		1312	1.51-	.060							1.0
MORF HE		245	56	ES		1312	25.280.	.010							1.0
MORF HE		245	56	IAML		1312	27.48			5	0.1				
MESJ HZ		310	51	EP		1312	9.58-	.080							1.0
MESJ HN		310	51	ES		1312	39.420.	.140							1.0
MESJ HE		310	51	IAML		1312	41.62			2	0.1				

September 4 2017 Hour: 15: 4 20.6 Lat: 36.87N Lon: 5.34W 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		277	294	EP		15 4	59.360.	.040							1.0

September 4 2017 Hour: 17:58 52.8 Lat: 39.20N Lon: 9.60W Depth: 25F Agency: IGL Regional
Magnitudes: 3.6ML IGL Rms: 0.2 secs

W LOURINHA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV HZ		66	144	EP		1759	3.59-	.160							1.0
GGNV HN		66	144	ES		1759	11.900.	.170							1.0
GGNV HE		66	144	IAML		1759	12.77			9421	0.2				
MESJ HZ		193	141	EP		1759	19.73-	.220							0.9
MESJ HN		193	141	ES		1759	39.790.	.030							0.9
MESJ HE		193	141	IAML		1759	44.73			117	0.2				
MORF HZ		226	158	EP		1759	24.290.	.200							0.9

September 4 2017 Hour: 22: 6 16.0 Lat: 39.19N Lon: 9.57W Depth: 29F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

W LOURINHA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV HZ		64	145	EP		22 6	26.55-	.180							1.0
GGNV HE		64	145	ES		22 6	34.610.	.070							1.0
GGNV HE		64	145	IAML		22 6	35.57			360	0.2				
MESJ HZ		191	141	EP		22 6	42.640.	.060							0.9
MESJ HN		191	141	ES		22 7	2.040.	.070							0.9
MESJ HE		191	141	IAML		22 7	7.51			6	0.2				

September 5 2017 Hour: 2:50 0.4 Lat: 16.24S Lon: 167.99E Depth:172F 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 BZ17609		352	EP	KPab		310	11.720.	.000							1.0
MORF BZ17674		353	EP	KPab		310	14.31-	.000							1.0

September 5 2017 Hour: 7:20 13.0 Lat: 35.70N Lon: 9.78W Depth: 30F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		205	29	EP		720	41.25-	.020							1.0
MORF HN		205	29	ES		721	1.75-	.160							1.0
MORF HE		205	29	IAML		721	3.11			17	0.2				
MESJ HZ		275	30	EP		720	50.190.	.190							1.0

September 5 2017 Hour: 9:15 53.5 Lat: 35.74N Lon: 4.61W Depth: 27F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	398	307	EP		916	46.010	.070							1.0
MESJ	HN	398	307	ES		917	24.19-	.010							1.0
MESJ	HN	398	307	IAML		917	27.18			5	0.1				
MORF	HZ	402	297	EP		916	46.25-	.190							1.0
MORF	HN	402	297	ES		917	25.200	.130							1.0
MORF	HE	402	297	IAML		917	27.39			7	0.2				

September 5 2017 Hour: 15:17 53.7 Lat: 36.60N Lon: 4.41W Depth: 84F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: SPAIN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	365	293	EP		1518	41.21-	.040							1.0
MESJ	HN	365	293	ES		1519	16.000	.010							1.0
MESJ	HN	365	293	IAML		1519	18.76			5	0.1				
MORF	HZ	386	283	EP		1518	43.60-	.140							1.0
MORF	HN	386	283	ES		1519	20.470	.170							1.0
MORF	HE	386	283	IAML		1519	24.24			22	0.3				

September 6 2017 Hour: 11:23 4.4 Lat: 38.91N Lon: 8.54W Depth: 15F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

SW CORUCHE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	122	167	EP		1123	23.540	.040							1.0
MESJ	HE	122	167	ES		1123	37.42-	.040							1.0
MESJ	HE	122	167	IAML		1123	38.42			7	0.2				

September 6 2017 Hour: 21:50 1.2 Lat: 35.76N Lon: 8.63W Depth: 24F 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	171	359	EP		2150	25.56-	.200							1.0
MORF	HN	171	359	ES		2150	43.690	.020							1.0
MORF	HN	171	359	IAML		2150	45.13			120	0.2				
MESJ	HZ	234	9	EP		2150	33.590	.130							1.0
MESJ	HE	234	9	ES		2150	57.050	.060							1.0
MESJ	HN	234	9	IAML		2150	58.08			93	0.3				

September 7 2017 Hour: 17:26 49.9 Lat: 27.76N Lon: 139.81E Depth: 448F Agency: IGL Distant
Rms: 0.0 secs

BONIN ISLANDS, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12035	334	EPP			1744	57.69-	.010							1.0
MORF	BZ12106	334	EPP			1745	2.330	.010							1.0

September 7 2017 Hour: 20:22 4.2 Lat: 38.35N Lon: 8.06W Depth: 11F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

NW VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	58	194	EP		2022	13.890	.090							1.0
MESJ	HN	58	194	ES		2022	20.70-	.090							1.0
MESJ	HN	58	194	IAML		2022	21.57			3	0.0				

September 7 2017 Hour: 23:39 52.7 Lat: 36.73N Lon: 8.58W Depth: 24F 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	64	354	EP		2340	3.34-	.010							1.0
MORF	HN	64	354	ES		2340	11.200	.090							1.0
MORF	HN	64	354	IAML		2340	13.03			362	0.2				

MESJ HZ 127 14 EP 2340 11.65-.080 1.0

September 8 2017 Hour: 4:49 21.8 Lat: 15.07N Lon: 93.72W Depth: 70F Agency: IGL Distant
Magnitudes: 8.4Ms IGL Rms: 0.0 secs

OFFSHORE CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8521	53	EP		5	1	4.790	.010						1.0
GGNV	BE	8521	53	ES		510		45.93	-.040						1.0
GGNV	BZ	8521	53	IAMs_20		526		19.62		2272000	23.4				
MORF	BZ	8588	55	EP		5	1	8.26	-.020						1.0
MORF	BN	8588	55	ES		510		52.720	.000						1.0
MORF	BZ	8588	55	IAMs_20		526		15.16		4608000	51.0				
MESJ	BZ	8616	54	EP		5	1	9.62	-.020						1.0
MESJ	BN	8616	54	ES		510		55.430	.060						1.0
MESJ	BZ	8616	54	IAMs_20		526		45.95		3524000	46.8				

September 8 2017 Hour: 8:34 35.5 Lat: 15.30N Lon: 94.00W Depth: 68F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

OFFSHORE OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8598	55	EP		846		22.730	.030						1.0
MORF	BZ	8598	55	IAMB		846		26.33		90	1.8				
MESJ	BZ	8626	54	EP		846		24.02	-.030						1.0
MESJ	BZ	8626	54	IAMB		846		31.42		232	2.6				

September 8 2017 Hour: 9:14 54.9 Lat: 36.62N Lon: 7.85W Depth: 5F Agency: IGL Regional
Magnitudes: 2.9ML 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	104	317	EP		915		11.61	-.150						1.0
MORF	HN	104	317	ES		915		24.360	.300						1.0
MORF	HE	104	317	IAML		915		26.71		431	0.2				
MESJ	HZ	139	346	EP		915		16.88	-.200						1.0
MESJ	HE	139	346	ES		915		33.300	.040						1.0
MESJ	HN	139	346	IAML		915		35.18		106	0.2				

September 8 2017 Hour: 9:41 21.6 Lat: 35.43N Lon: 17.17W Depth: 9F 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	792	72	EP		943		3.05	-.010						1.0
MORF	HE	792	72	ES		944		17.08	-.060						1.0
MORF	HE	792	72	IAML		944		19.50		4	0.2				
MESJ	HZ	844	69	EP		943		9.01	-.090						1.0
MESJ	HE	844	69	ES		944		27.770	.170						1.0
MESJ	HE	844	69	IAML		944		30.66		4	0.3				

September 8 2017 Hour: 14:0 42.9 Lat: 37.31N Lon: 8.53W Depth: 15F Agency: IGL Regional
Magnitudes: 0.9ML 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	267	EP		14	0	45.900	.000						1.0
MORF	HE	11	267	ES		14	0	48.11	-.000						1.0
MORF	HN	11	267	IAML		14	0	48.84		32	0.2				

September 8 2017 Hour: 17:35 36.3 Lat: 14.74N Lon: 54.71E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

OWEN FRACTURE ZONE REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6655	305	EP		1745		41.73	-.040						1.0
MESJ	BZ	6655	305	IAMB		1745		42.47		18	0.8				

September 8 2017 Hour: 18:24 15.4 Lat: 15.69N Lon: 94.90W Depth: 33F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

OFFSHORE OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8678	54	EP		1836	10.670	.050							1.0
MESJ	BZ	8678	54	IAMB		1836	14.09			14	0.9				

September 8 2017 Hour: 21: 7 37.5 Lat: 32.81N Lon: 15.52W Depth: 25F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	800	50	EP		21 9	18.38	-.080							1.0
MORF	HN	800	50	ES		2110	32.300	.140							1.0
MORF	HN	800	50	IAML		2110	34.13			13	0.2				
MESJ	HZ	867	48	EP		21 9	26.09	-.150							1.0
MESJ	HN	867	48	ES		2110	45.690	.080							1.0
MESJ	HN	867	48	IAML		2110	47.80			2	0.1				

September 9 2017 Hour: 4:54 54.1 Lat: 15.13N Lon: 93.87W Depth: 47F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs

OFFSHORE CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8530	53	EP		5 6	40.06	-.070							1.0
GGNV	BZ	8530	53	IAMs_20		537	58.65			2360	17.8				
MORF	BZ	8597	55	EP		5 6	43.800	.160							1.0
MORF	BE	8597	55	ES		516	30.47	-.050							1.0
MORF	BZ	8597	55	IAMs_20		533	52.59			2626	24.6				
MESJ	BZ	8625	54	EP		5 6	44.96	-.040							1.0
MESJ	BE	8625	54	ES		516	33.170	.010							1.0
MESJ	BZ	8625	54	IAMs_20		534	12.71			2062	11.2				

September 9 2017 Hour: 5:16 57.0 Lat: 35.92N Lon: 10.68W Depth: 25F 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
MESJ	HZ	306	45	EP		517	38.08	-.080							1.0
MESJ	HE	306	45	ES		518	8.260	.080							1.0
MESJ	HN	306	45	IAML		518	11.15			3	0.2				

September 9 2017 Hour: 6:12 18.0 Lat: 37.32N Lon: 8.48W Depth: 11F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	264	EP		612	20.98	-.150							1.0
MORF	HE	15	264	ES		612	23.410	.010							1.0
MORF	HE	15	264	IAML		612	23.83			536	0.3				
MESJ	HZ	62	22	EP		612	28.200	.040							1.0
MESJ	HN	62	22	ES		612	35.660	.100							1.0
MESJ	HE	62	22	IAML		612	39.08			36	0.1				

September 9 2017 Hour: 6:24 23.6 Lat: 15.88N Lon: 94.75W Depth: 56F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

OFFSHORE OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8653	54	EP		636	14.79	-.060							1.0
MESJ	BZ	8653	54	IAMB		636	16.30			55	1.8				

September 9 2017 Hour: 12:340.7 Lat: 22.45S Lon: 66.17W Depth:222F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

JUJUY, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8944	43	EP		1215	27.610	.020							1.0
MORF	BZ	8944	43	IAMB		1215	28.48			43	1.1				
MESJ	BZ	9010	43	EP		1215	30.68	-.020							1.0
MESJ	BZ	9010	43	IAMB		1215	32.01			33	0.8				

September 9 2017 Hour: 15:30 7.8 Lat: 15.83N Lon: 94.85W Depth:39F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

OFFSHORE OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8638	55	EP		1542	0.370	.100							1.0
MORF	BZ	8638	55	IAMB		1542	1.57			33	0.6				
MESJ	BZ	8665	54	EP		1542	1.45	-.100							1.0
MESJ	BZ	8665	54	IAMB		1542	2.13			65	1.3				

September 10 2017 Hour: 1:37 6.8 Lat: 36.98N Lon: 3.98W Depth:61F Agency: IGL Regional
Magnitudes: 1.4ML 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	388	286	EP		137	57.19	-.060							1.0
MESJ	HN	388	286	ES		138	34.120	.060							1.0
MESJ	HN	388	286	IAML		138	36.03			1	0.1				

September 10 2017 Hour: 3:7 24.4 Lat: 15.46N Lon: 94.39W Depth:49F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.1 secs

OFFSHORE CHIAPAS, MEXICO Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8552	53	EP		319	11.390	.070							1.0
GGNV	BZ	8552	53	IAMS_20		347	6.87			5672	24.1				
MORF	BZ	8622	55	EP		319	14.85	-.050							1.0
MORF	BZ	8622	55	IAMS_20		347	13.95			5009	22.3				
MESJ	BZ	8649	54	EP		319	16.20	-.020							1.0
MESJ	BZ	8649	54	IAMS_20		347	11.55			4131	22.0				

September 10 2017 Hour: 21:40 21.0 Lat: 57.13N Lon: 33.68W Depth:10F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2717	128	EP		2145	39.81	-.030							1.0
GGNV	BZ	2717	128	IAMS_20		2152	12.27			29710	25.3				
MESJ	BZ	2843	128	EP		2145	50.15	-.030							1.0
MESJ	BN	2843	128	ES		2150	19.060	.040							1.0
MESJ	BZ	2843	128	IAMS_20		2152	47.35			28025	28.1				
MORF	BZ	2872	129	EP		2145	52.62	-.030							1.0
MORF	BN	2872	129	ES		2150	23.370	.040							1.0
MORF	BZ	2872	129	IAMS_20		2152	40.37			19576	23.8				

September 11 2017 Hour: 15:56 33.0 Lat: 36.67N Lon: 11.29W 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	245	73	EP		1557	5.40	-.120							1.0
MORF	HE	245	73	ES		1557	29.21	-.030							1.0
MORF	HE	245	73	IAML		1557	31.26			38	0.2				
MESJ	HZ	302	64	EP		1557	12.610	.090							1.0
MESJ	HN	302	64	ES		1557	41.410	.070							1.0
MESJ	HN	302	64	IAML		1557	43.68			12	0.2				

September 11 2017 Hour: 16:20 14.8 Lat: 39.13N Lon: 21.53E Depth: 12F Agency: IGL Distant
Magnitudes: 4.7Mb 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	2588	276	EP		1625	22.38	-.040							1.0
MESJ	BZ	2588	276	IAMB		1625	22.48			33	1.3				

September 11 2017 Hour: 18:9 33.4 Lat: 37.19N Lon: 8.60W Depth: 20F Agency: IGL Regional
Magnitudes: 4.0ML IGL Rms: 0.1 secs

NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	340	EP		18	9	37.02	-.260						1.0
MORF	HE	14	340	ES		18	9	40.130	.020						1.0
MORF	HN	14	340	IAML		18	9	40.34		37834	0.3				
MESJ	HZ	80	25	EP		18	9	46.340	.110						1.0
MESJ	HN	80	25	ES		18	9	55.700	.100						1.0
MESJ	HN	80	25	IAML		18	9	57.67		5366	0.2				
GGNV	HN	176	344	ES		1810	17.390	.040							0.9
GGNV	HN	176	344	IAML		1810	31.92			1034	0.4				

September 11 2017 Hour: 19:30 47.4 Lat: 37.20N Lon: 8.61W Depth: 18F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.2 secs

NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	342	EP		1930	50.67	-.240							1.0
MORF	HE	12	342	ES		1930	53.560	.090							1.0
MORF	HN	12	342	IAML		1930	53.98			315	0.2				
MESJ	HZ	79	26	EP		1931	0.250	.160							1.0

September 12 2017 Hour: 6:35 27.5 Lat: 38.33N Lon: 6.75W Depth: 11F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	140	248	EP		635	49.11	-.040							1.0
MESJ	HN	140	248	ES		636	5.050	.080							1.0
MESJ	HN	140	248	IAML		636	7.69			154	0.1				
MORF	HZ	202	236	EP		635	56.90	-.040							1.0

September 12 2017 Hour: 10:58 54.8 Lat: 38.55N Lon: 9.22W Depth: 0 Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

SW SEIXAL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	118	132	EP		1059	13.76	-.050							1.0
MESJ	HE	118	132	ES		1059	27.730	.050							1.0
MESJ	HN	118	132	IAML		1059	29.77			8	0.1				
MORF	HZ	147	160	EP		1059	18.40	-.020							1.0
MORF	HN	147	160	ES		1059	35.680	.020							1.0
MORF	HN	147	160	IAML		1059	37.00			20	0.2				

September 12 2017 Hour: 12:38 2.0 Lat: 35.08N Lon: 5.88W Depth: 32F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	351	316	EP		1238	47.94	-0.40							1.0
MORF	HE	351	316	ES		1239	22.26	0.08							1.0
MORF	HN	351	316	IAML		1239	23.41			55	0.2				
MESJ	HZ	371	326	EP		1238	51.04	0.21							1.0
MESJ	HN	371	326	ES		1239	26.60	0.11							1.0
MESJ	HE	371	326	IAML		1239	29.57			57	0.1				

September 12 2017 Hour: 22:35 31.7 Lat: 37.33N Lon: 8.48W Depth: 9F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	260	EP		2235	34.47	-.140							1.0
MORF	HN	16	260	ES		2235	36.840	.080							1.0
MORF	HN	16	260	IAML		2235	37.41			394	0.2				
MESJ	HZ	61	22	EP		2235	41.670	.050							1.0

September 13 2017 Hour: 9:40 54.7 Lat: 37.31N Lon: 8.42W Depth: 5F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	21	268	EP		940	58.02	-.090							1.0
MORF	HN	21	268	ES		941	0.720	.090							1.0
MORF	HN	21	268	IAML		941	1.23				33	0.2			

September 13 2017 Hour: 21:30 51.5 Lat: 15.71N Lon: 94.99W Depth: 40F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

OFFSHORE OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8658	55	EP		2142	44.990	.080							1.0
MORF	BZ	8658	55	IAMB		2142	45.81				21	1.0			
MESJ	BZ	8685	54	EP		2142	46.12	-.080							1.0
MESJ	BZ	8685	54	IAMB		2142	47.18				18	1.0			

September 13 2017 Hour: 21:44 17.3 Lat: 36.98N Lon: 8.84W Depth: 20F Agency: IGL Regional
Magnitudes: 1.2ML 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	40	25	EP		2144	24.24	-.110							1.0
MORF	HN	40	25	ES		2144	29.550	.070							1.0
MORF	HN	40	25	IAML		2144	30.42				27	0.1			
MESJ	HZ	110	30	EP		2144	34.35	-.190							1.0
MESJ	HN	110	30	ES		2144	47.330	.230							1.0
MESJ	HN	110	30	IAML		2144	48.52				3	0.1			

September 13 2017 Hour: 23:51 46.2 Lat: 38.18N Lon: 8.18W Depth: 1F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	38	185	EP		2351	52.360	.060							1.0
MESJ	HN	38	185	ES		2351	56.71	-.060							1.0
MESJ	HN	38	185	IAML		2351	56.96				7	0.2			

September 14 2017 Hour: 3:22 41.7 Lat: 36.66N Lon: 11.10W Depth: 27F 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	229	71	EP		323	13.320	.050							1.0
MORF	HN	229	71	ES		323	36.300	.010							1.0
MORF	HN	229	71	IAML		323	38.55				8	0.1			
MESJ	HZ	287	62	EP		323	20.29	-.130							1.0
MESJ	HN	287	62	ES		323	48.710	.060							1.0
MESJ	HN	287	62	IAML		323	51.64				2	0.1			

September 14 2017 Hour: 6:2 1.6 Lat: 37.51N Lon: 7.61W Depth: 18F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

NW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	65	304	EP		6	2	12.270	.090						1.0
MESJ	HN	65	304	ES		6	2	20.000	.070						1.0
MESJ	HN	65	304	IAML		6	2	21.54			111	0.2			

MORF HZ	95	256	EP	6	2	16.63	-.080										1.0
MORF HE	95	256	ES	6	2	27.70	-.070										1.0
MORF HN	95	256	IAML	6	2	29.33				66	0.3						

September 14 2017 Hour: 6:31 22.8 Lat: 36.50N Lon: 9.91W Depth: 31F Agency: IGL Regional
Magnitudes: 3.5ML 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	143	51	EP		631	42.670	.050							1.0
MORF	HN	143	51	ES		631	57.180	.070							1.0
MORF	HN	143	51	IAML		632	2.05			1072	0.3				
MESJ	HZ	211	45	EP		631	50.86	-.170							1.0
MESJ	HN	211	45	ES		632	11.710	.050							1.0
MESJ	HN	211	45	IAML		632	12.48			207	0.2				

September 14 2017 Hour: 15:52 9.3 Lat: 37.94N Lon: 9.05W Depth: 7F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

W SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	74	98	EP		1552	21.300	.000							1.0
MESJ	HE	74	98	ES		1552	30.060	.020							1.0
MESJ	HN	74	98	IAML		1552	33.67			22	0.2				
MORF	HZ	79	153	EP		1552	21.88	-.210							1.0
MORF	HE	79	153	ES		1552	31.600	.190							1.0
MORF	HN	79	153	IAML		1552	34.31			10	0.2				

September 14 2017 Hour: 22:45 14.4 Lat: 35.99N Lon: 10.49W Depth: 31F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	220	48	EP		2245	43.74	-.010							1.0
MESJ	HZ	288	44	EP		2245	52.10	-.130							1.0
MESJ	HN	288	44	ES		2246	19.970	.140							1.0
MESJ	HN	288	44	IAML		2246	21.57			6	0.1				

September 15 2017 Hour: 4:5 36.6 Lat: 36.66N Lon: 11.16W Depth: 30F Agency: IGL Regional
Magnitudes: 2.1ML 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	234	71	EP		4	6	8.660	.050						1.0
MORF	HN	234	71	ES		4	6	31.79	-.150						1.0
MORF	HE	234	71	IAML		4	6	33.83		15	0.1				
MESJ	HZ	292	62	EP		4	6	15.54	-.170						1.0
MESJ	HN	292	62	ES		4	6	44.490	.270						1.0
MESJ	HN	292	62	IAML		4	6	45.51		6	0.2				

September 15 2017 Hour: 5:38 25.1 Lat: 36.81N Lon: 8.19W Depth: 27F 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	69	323	EP		538	36.450	.040							1.0
MESJ	HZ	114	359	EP		538	42.24	-.060							1.0
MESJ	HN	114	359	ES		538	54.870	.010							1.0
MESJ	HN	114	359	IAML		538	55.91			5	0.1				

September 15 2017 Hour: 14:57 26.0 Lat: 35.63N Lon: 6.09W Depth: 30F Agency: IGL Regional
Magnitudes: 2.8ML 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	295	310	EP		1458	5.36	-.210							1.0
MORF	HE	295	310	ES		1458	34.500	.070							1.0
MORF	HN	295	310	IAML		1458	36.10			37	0.4				
MESJ	HZ	310	323	EP		1458	7.470	.080							1.0
MESJ	HN	310	323	ES		1458	37.650	.060							1.0

MESJ HN 310 323 IAML 1458 41.24 54 0.3

September 16 2017 Hour: 4:17 10.2 Lat: 36.83N Lon: 8.59W Depth: 27F Agency: IGL Regional
Magnitudes: 3.2ML 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	53	354	EP		417	19.33	-.080							1.0
MORF	HE	53	354	ES		417	26.220	.120							1.0
MORF	HE	53	354	IAML		417	27.01		1811	0.2					
MESJ	HZ	117	16	EP		417	27.51	-.240							1.0
MESJ	HE	117	16	ES		417	40.730	.200							1.0
MESJ	HN	117	16	IAML		417	44.37		266	0.1					

September 16 2017 Hour: 4:33 2.2 Lat: 36.84N Lon: 8.56W Depth: 24F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	52	351	EP		433	11.310	.130							1.0
MORF	HN	52	351	ES		433	17.770	.040							1.0
MORF	HE	52	351	IAML		433	19.04		113	0.1					
MESJ	HZ	115	15	EP		433	19.49	-.210							1.0
MESJ	HE	115	15	ES		433	32.500	.030							1.0
MESJ	HE	115	15	IAML		433	35.10		23	0.1					

September 16 2017 Hour: 6:11 47.8 Lat: 35.29N Lon: 5.96W Depth: 31F Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	348	325	EP		612	33.070	.010							1.0

September 16 2017 Hour: 6:48 48.1 Lat: 36.66N Lon: 7.30W Depth: 22F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	140	301	EP		649	8.65	-.200							1.0
MORF	HN	140	301	ES		649	23.91	-.120							1.0
MORF	HE	140	301	IAML		649	25.03		89	0.1					
MESJ	HZ	154	328	EP		649	10.790	.200							1.0
MESJ	HN	154	328	ES		649	27.160	.130							1.0
MESJ	HN	154	328	IAML		649	28.14		28	0.1					

September 16 2017 Hour: 8:40 53.6 Lat: 36.65N Lon: 9.67W Depth: 16F 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	116	51	EP		841	11.890	.000							1.0
MORF	HN	116	51	ES		841	25.250	.000							1.0
MORF	HN	116	51	IAML		841	26.84		8	0.3					
MESJ	HZ	184	44	EP		841	20.30	-.070							1.0
MESJ	HN	184	44	ES		841	39.990	.070							1.0
MESJ	HE	184	44	IAML		841	41.89		1	0.1					

September 16 2017 Hour: 10:11 32.4 Lat: 42.19N Lon: 83.52E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.1 secs

NORTHERN XINJIANG, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7446	301	EP		1022	25.28	-.170							0.9
MESJ	BZ	7446	301	EPP		1024	52.920	.120							1.0
MESJ	BN	7446	301	ES		1031	19.72	-.000							1.0
MESJ	BN	7446	301	ESS		1035	39.300	.020							1.0
MESJ	BN	7446	301	IAMs_20		1048	58.36		1514	22.5					
GGNV	BZ	7454	302	EP		1022	25.860	.000							1.0
GGNV	BN	7454	302	IAMs_20		1058	0.51		2521	22.2					
MORF	BZ	7512	300	EP		1022	29.21	-.070							1.0

MORF BZ 7512 300 EPP	1024 58.090.080																			1.0
MORF BN 7512 300 ES	1031 26.990.010																			1.0
MORF BN 7512 300 IAMS_20	1053 31.68																			1678 21.4

September 16 2017 Hour: 14:18 57.8 Lat: 16.23N Lon: 94.91W Depth: 28F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.1 secs

OFFSHORE OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ	8617	55	EP			1430	50.790.070								1.0
MORF BZ	8617	55	IAMS_20			15 0	49.96			1563	24.3				
MESJ BZ	8644	54	EP			1430	51.990.010								1.0
MESJ BE	8644	54	ES			1440	42.71-.080								1.0
MESJ BZ	8644	54	IAMS_20			1458	15.92			1059	20.6				

September 16 2017 Hour: 21:47 21.7 Lat: 36.49N Lon: 9.83W Depth: 26F 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
MESJ HZ	207	43	EP			2147	50.48-.010								1.0
MESJ HE	207	43	ES			2148	11.520.010								1.0
MESJ HE	207	43	IAML			2148	13.40			2	0.1				

September 17 2017 Hour: 4:22 14.4 Lat: 36.53N Lon: 7.80W Depth: 1 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	115	319	EP			422	32.910.030								1.0
MORF HN	115	319	ES			422	46.38-.010								1.0
MORF HE	115	319	IAML			422	48.00			64	0.2				
MESJ HZ	150	346	EP			422	38.30-.020								1.0
MESJ HE	150	346	ES			422	55.800.010								1.0
MESJ HN	150	346	IAML			422	58.40			13	0.1				

September 17 2017 Hour: 4:28 11.4 Lat: 33.49N Lon: 7.07W Depth: 3F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	494	348	EP			429	17.65-.090								1.0

September 17 2017 Hour: 6:11 59.9 Lat: 36.58N Lon: 8.20W Depth: 0 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	90	333	EP			612	14.30-.100								1.0
MORF HN	90	333	ES			612	25.010.020								1.0
MORF HN	90	333	IAML			612	27.15			12	0.2				
MESJ HE	140	359	ES			612	38.940.090								1.0
MESJ HN	140	359	IAML			612	40.26			2	0.1				

September 18 2017 Hour: 1:1 48.5 Lat: 37.30N Lon: 8.57W Depth: 10F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	7	274	EP			1 1	50.44-.100								1.0
MORF HE	7	274	ES			1 1	52.150.100								1.0
MORF HN	7	274	IAML			1 1	53.07			35	0.1				

September 18 2017 Hour: 1:33 41.2 Lat: 35.99N Lon: 7.50W Depth: 10F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	215	343	EP			134	12.33-.010								1.0
MESJ HN	215	343	ES			134	35.080.010								1.0
MESJ HE	215	343	IAML			134	36.25			0.90					

September 18 2017 Hour: 3:10 40.8 Lat: 36.56N Lon: 7.75W Depth: 5F 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	148	344	EP		311	4.12	-.020							1.0
MESJ	HN	148	344	ES		311	21.200	.020							1.0
MESJ	HN	148	344	IAML		311	22.51			1	0.1				

September 18 2017 Hour: 5:28 2.8 Lat: 18.53S Lon: 12.72W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.0 secs

SOUTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6194	4	EP		537	39.400	.050							1.0
MORF	BN	6194	4	IAMs_20		558	6.81			2612	30.3				
MESJ	BZ	6257	4	EP		537	43.25	-.070							1.0
MESJ	BN	6257	4	ES		545	34.010	.030							1.0
MESJ	BZ	6257	4	IAMs_20		557	51.25			1582	24.9				

September 18 2017 Hour: 13:46 56.7 Lat: 31.82S Lon: 72.15W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

OFFSHORE COQUIMBO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10097	46	EP			1359	59.96	-.090							1.0
MORF	BZ10097	46	IAMB			14	0	3.43		13	1.0				
MESJ	BZ10164	45	EP			14	0	2.900	.100						1.0
MESJ	BZ10164	45	IAMB			14	0	5.11		83	1.9				
MESJ	BZ10164	45	EPP			14	3	40.14	-.050						1.0
MESJ	BE10164	45	ESKSac			1410	34.88	-.040							1.0
GGNV	BZ10165	44	EP			14	0	2.840	.050						1.0
GGNV	BZ10165	44	IAMB			14	0	3.27		37	0.4				
GGNV	BZ10165	44	EPP			14	3	40.280	.040						1.0

September 18 2017 Hour: 14:19 12.6 Lat: 15.25N Lon: 94.56W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

OFF COAST OF OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8650	54	EP		1431	9.97	-.050							1.0
MORF	BZ	8650	54	IAMB		1431	14.60			50	1.3				
MESJ	BZ	8678	54	EP		1431	11.390	.050							1.0
MESJ	BZ	8678	54	IAMB		1431	20.71			182	2.2				

September 18 2017 Hour: 17:36 55.0 Lat: 35.93N Lon: 7.77W Depth: 29F 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	172	333	EP		1737	19.22	-.060							1.0
MESJ	HZ	216	349	EP		1737	24.59	-.110							1.0
MESJ	HE	216	349	ES		1737	46.540	.180							1.0
MESJ	HE	216	349	IAML		1737	47.53			2	0.1				

September 18 2017 Hour: 23:2 22.6 Lat: 36.07N Lon: 7.94W 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
MESJ	HZ	198	353	EP		23	2	50.030	.030						1.0
MESJ	HE	198	353	ES		23	3	9.98	-.030						1.0
MESJ	HN	198	353	IAML		23	3	10.87		5	0.1				

September 19 2017 Hour: 0:37 24.3 Lat: 36.52N Lon: 7.08W Depth: 31F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	178	326	EP		037	48.480	.050							1.0

September 19 2017 Hour: 7:53 17.3 Lat: 15.13N Lon: 94.04W Depth: 50F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.1 secs

OFFSHORE CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8544	53	EP		8 5	3.770	.090							1.0
GGNV	BZ	8544	53	IAMs_20		834	52.18			2066	22.7				
MORF	BZ	8612	55	EP		8 5	7.12	-.090							1.0
MORF	BZ	8612	55	IAMs_20		831	55.32			1852	34.4				
MESJ	BZ	8640	54	EP		8 5	8.55	-.000							1.0
MESJ	BZ	8640	54	IAMs_20		832	37.53			1346	24.5				

September 19 2017 Hour: 10:25 52.1 Lat: 37.05N Lon: 5.09W Depth: 12F 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	290	289	EP		1026	32.440	.030							1.0

September 19 2017 Hour: 18:14 38.6 Lat: 18.55N Lon: 98.49W Depth: 51F Agency: IGL Distant
Magnitudes: 6.9Mb IGL Rms: 0.1 secs

PUEBLA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8696	53	EP		1826	32.730	.150							1.0
GGNV	BZ	8696	53	IAMB		1826	38.65			6450	2.3				
GGNV	BN	8696	53	ES		1836	23.67	-.030							1.0
MORF	BZ	8777	54	EP		1826	36.790	.080							1.0
MORF	BZ	8777	54	IAMB		1826	44.10			987	1.3				
MORF	BN	8777	54	ES		1836	31.700	.000							1.0
MESJ	BZ	8799	54	EP		1826	37.64	-.080							1.0
MESJ	BZ	8799	54	IAMB		1826	39.43			2028	1.8				
MESJ	BN	8799	54	ES		1836	33.55	-.130							1.0

September 19 2017 Hour: 21:22 2.9 Lat: 36.02N Lon: 4.55W Depth: 22F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	385	303	EP		2122	54.020	.020							1.0
MESJ	HE	385	303	ES		2123	31.410	.080							1.0
MESJ	HN	385	303	IAML		2123	32.10			4	0.1				
MORF	HZ	394	292	EP		2122	55.05	-.120							1.0
MORF	HN	394	292	ES		2123	33.360	.010							1.0
MORF	HN	394	292	IAML		2123	35.58			11	0.1				

September 20 2017 Hour: 0:40 11.6 Lat: 36.57N Lon: 7.72W Depth: 18F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	315	EP		040	29.63	-.160							1.0
MORF	HE	116	315	ES		040	43.150	.080							1.0
MORF	HN	116	315	IAML		040	45.60			12	0.2				
MESJ	HE	148	343	ES		040	49.830	.080							1.0
MESJ	HN	148	343	IAML		040	53.28			5	0.2				

September 20 2017 Hour: 1:56 24.6 Lat: 37.30N Lon: 2.10W 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	544	278	EP		157	36.160	.010							1.0

September 20 2017 Hour: 5:26 7.9 Lat: 16.27S Lon: 71.32W Depth: 93F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8838	46	EP		538	4.14	-.010							1.0
MORF	BZ	8838	46	IAmb		538	6.13			112	1.8				
MESJ	BZ	8901	46	EP		538	7.11	-.020							1.0
MESJ	BZ	8901	46	IAmb		538	8.01			151	2.4				
MESJ	BE	8901	46	ES		548	4.110	.030							1.0

September 20 2017 Hour: 9:47 24.2 Lat: 37.32N Lon: 8.56W Depth: 12F Agency: IGL Regional
Magnitudes: 0.4ML 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	8	258	EP		947	26.68	-.010							1.0
MORF	HE	8	258	ES		947	28.470	.010							1.0
MORF	HN	8	258	IAML		947	28.76			17	0.1				

September 20 2017 Hour: 16:37 16.0 Lat: 37.98N Lon: 144.67E Depth: 10F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.1 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11114	339	EPdif			1651	1.010	.010							1.0
GGNV	BZ11114	339	EPP			1655	5.96	-.040							1.0
GGNV	BE11114	339	IAMs_20			1732	2.13			17238	28.2				
MESJ	BZ11176	338	EPdif			1651	3.46	-.030							1.0
MESJ	BZ11176	338	EPP			1655	10.380	.150							1.0
MESJ	BN11176	338	ESKSac			17	1	42.600	.080						1.0
MESJ	BE11176	338	ESS			17	9	37.770	.020						1.0
MESJ	BZ11176	338	IAMs_20			1745	46.27			8663	23.8				
MORF	BZ11245	339	EPdif			1651	6.19	-.120							1.0
MORF	BZ11245	339	EPP			1655	14.99	-.010							1.0
MORF	BN11245	339	ESKSac			17	1	45.57	-.060						1.0
MORF	BE11245	339	IAMs_20			1733	45.45			10833	28.0				

September 20 2017 Hour: 20: 9 52.2 Lat: 18.80S Lon: 169.09E Depth: 200F Agency: IGL Distant
Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17816	356	EPKPdf			2029	26.74	-.020							1.0
GGNV	BZ17816	356	EPKPab			2030	8.37	-.030							1.0
GGNV	BZ17816	356	EPP			2033	51.100	.040							1.0
MESJ	BZ17904	353	EPKPdf			2029	27.66	-.000							1.0
MESJ	BZ17904	353	EPKPab			2030	12.080	.180							0.9
MESJ	BZ17904	353	EPP			2033	55.430	.110							1.0
MORF	BZ17967	354	EPKPdf			2029	28.27	-.060							1.0
MORF	BZ17967	354	EPKPab			2030	14.37	-.110							1.0
MORF	BZ17967	354	EPP			2033	58.35	-.080							1.0

September 21 2017 Hour: 3:44 33.3 Lat: 36.61N Lon: 7.27W Depth: 20F 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	145	302	EP		344	54.950	.070							1.0
MORF	HE	145	302	ES		345	10.700	.050							1.0
MORF	HN	145	302	IAML		345	11.24			5	0.1				
MESJ	HZ	160	329	EP		344	56.64	-.080							1.0

MESJ HE 160 329 ES 345 13.81-.040 1.0
 MESJ HN 160 329 IAML 345 15.34 4 0.2

**September 21 2017 Hour: 19:31 42.1 Lat: 38.91N Lon: 8.99W Depth: 3F Agency: IGL Regional
 Magnitudes: 1.0ML IGL Rms: 0.0 secs**

S VILA FRANCA DE XIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	137	150	EP		1932	3.93	-.040							1.0
MESJ	HN	137	150	ES		1932	19.980	.040							1.0
MESJ	HN	137	150	IAML		1932	20.77			2	0.3				

**September 21 2017 Hour: 21:7 39.4 Lat: 37.11N Lon: 5.09W 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	289	287	EP		21	8	20.770	.000						1.0
MORF	HZ	317	275	EP		21	8	24.33	-.000						1.0

**September 22 2017 Hour: 3:54 30.0 Lat: 37.18N Lon: 8.56W Depth: 1F Agency: IGL Regional
 Magnitudes: 0.9ML IGL Rms: 0.0 secs**

NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	329	EP		354	32.51	-.080							1.0
MORF	HN	16	329	ES		354	34.510	.020							1.0
MORF	HN	16	329	IAML		354	35.28			51	0.1				
MESJ	HZ	79	22	EP		354	42.810	.060							1.0
MESJ	HN	79	22	ES		354	52.080	.010							1.0
MESJ	HN	79	22	IAML		354	53.47			3	0.2				

**September 22 2017 Hour: 7:54 10.0 Lat: 39.07N Lon: 10.35W Depth: 31F Agency: IGL Regional
 Magnitudes: 1.8ML 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
MESJ	HZ	231	126	EP		754	40.850	.220							1.0
MORF	HZ	246	142	EP		754	42.37	-.190							1.0
MORF	HE	246	142	ES		755	6.33	-.030							1.0
MORF	HN	246	142	IAML		755	7.16			5	0.1				

**September 22 2017 Hour: 19:50 15.4 Lat: 40.41N Lon: 126.83W Depth: 11F Agency: IGL Distant
 Magnitudes: 5.5Mb IGL Rms: 0.1 secs**

OFF COAST OF NORTHERN CALIFORNIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9335	44	EP		20	2	45.67	-.080						1.0
MESJ	BZ	9335	44	IAMB		20	2	57.84			35	1.2			

**September 22 2017 Hour: 20:39 5.6 Lat: 36.56N Lon: 7.75W Depth: 6F Agency: IGL Regional
 Magnitudes: 1.0ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	316	EP		2039	23.94	-.150							1.0
MORF	HE	115	316	ES		2039	37.600	.010							1.0
MORF	HE	115	316	IAML		2039	38.89			7	0.3				
MESJ	HZ	148	344	EP		2039	28.910	.080							1.0
MESJ	HE	148	344	ES		2039	45.840	.050							1.0
MESJ	HE	148	344	IAML		2039	48.83			1.00	0.1				

**September 23 2017 Hour: 0:5 18.3 Lat: 36.65N Lon: 7.84W Depth: 18F Agency: IGL Regional
 Magnitudes: 1.1ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	103	315	EP		0	5	34.49	-.120						1.0
MORF	HE	103	315	ES		0	5	46.630	.150						1.0
MORF	HN	103	315	IAML		0	5	47.95			4	0.1			
MESJ	HZ	136	346	EP		0	5	38.83	-.150						1.0

MESJ HE 136 346 ES 0 5 54.160.120 1.0
 MESJ HN 136 346 IAML 0 5 55.07 3 0.1

September 23 2017 Hour: 3:57 2.1 Lat: 35.67N Lon: 8.93W Depth: 31F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	183	8	EP		357	26.88	-.030							1.0
MORF	HN	183	8	ES		357	45.040	.030							1.0
MORF	HN	183	8	IAML		357	46.97			3	0.1				

September 23 2017 Hour: 10:38 7.8 Lat: 15.70N Lon: 94.16W Depth: 74F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.1 secs

OFFSHORE CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8517	53	EP		1049	50.200	.060							1.0
GGNV	BE	8517	53	IAMs_20		1117	20.87			4330	28.7				
MORF	BZ	8586	55	EP		1049	53.64	-.100							1.0
MORF	BE	8586	55	ES		1059	37.73	-.020							1.0
MORF	BE	8586	55	IAMs_20		1117	28.09			2403	22.9				
MESJ	BZ	8613	54	EP		1049	55.120	.060							1.0
MESJ	BN	8613	54	ES		1059	40.31	-.000							1.0
MESJ	BZ	8613	54	IAMs_20		1117	27.49			2386	22.7				

September 23 2017 Hour: 12:53 1.8 Lat: 16.72N Lon: 95.08W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms 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
GGNV	BZ	8528	53	EP		13 4	52.910	.020							1.0
GGNV	BE	8528	53	ES		1314	40.11	-.080							1.0
GGNV	BZ	8528	53	IAMs_20		1334	50.77			6465	28.1				
MORF	BZ	8601	55	EP		13 4	56.57	-.100							1.0
MORF	BE	8601	55	ES		1314	47.530	.050							1.0
MORF	BZ	8601	55	IAMs_20		1334	13.02			7191	20.9				
MESJ	BZ	8626	54	EP		13 4	57.950	.030							1.0
MESJ	BE	8626	54	ES		1314	49.970	.070							1.0
MESJ	BZ	8626	54	IAMs_20		1334	8.12			6013	21.3				

September 23 2017 Hour: 16:12 30.5 Lat: 36.67N Lon: 7.20W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	147	299	EP		1612	53.98	-.140							1.0
MORF	HN	147	299	ES		1613	11.420	.020							1.0
MORF	HN	147	299	IAML		1613	14.10			16	0.2				
MESJ	HZ	158	325	EP		1612	55.690	.120							1.0

September 23 2017 Hour: 17:58 47.2 Lat: 37.32N Lon: 8.56W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	258	EP		1758	49.68	-.080							1.0
MORF	HN	8	258	ES		1758	51.700	.080							1.0
MORF	HN	8	258	IAML		1758	52.56			36	0.1				

September 24 2017 Hour: 0:45 49.6 Lat: 36.58N Lon: 7.72W Depth: 19F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	314	EP		046	7.47	-.130							1.0
MORF	HN	116	314	ES		046	20.67	-.080							1.0
MORF	HE	116	314	IAML		046	22.06			17	0.3				
MESJ	HE	147	343	ES		046	27.590	.220							1.0
MESJ	HN	147	343	IAML		046	29.32			1	0.1				

September 24 2017 Hour: 2:56 38.3 Lat: 37.31N Lon: 8.58W Depth: 9F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	264	EP		256	39.98	-.140							1.0
MORF	HE	6	264	ES		256	41.530	.050							1.0
MORF	HN	6	264	IAML		256	42.18			38	0.1				
MESJ	HE	67	28	ES		256	57.180	.100							1.0
MESJ	HE	67	28	IAML		256	58.86			1.00	0.1				

September 24 2017 Hour: 5:32 13.9 Lat: 36.53N Lon: 9.17W Depth: 1 Agency: IGL Regional
Magnitudes: 0.7ML 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	98	28	EP		532	29.52	-.080							1.0
MORF	HN	98	28	ES		532	41.170	.080							1.0
MORF	HN	98	28	IAML		532	43.15			2	0.1				

September 24 2017 Hour: 7:3 21.6 Lat: 37.55N Lon: 8.47W Depth: 18F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.2 secs

SE ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	32	211	EP		7 3	27.19	-.220							1.0
MORF	HE	32	211	ES		7 3	31.63	-.020							1.0
MORF	HE	32	211	IAML		7 3	32.56			2	0.1				
MESJ	HZ	39	34	EP		7 3	28.640	.240							1.0

September 24 2017 Hour: 9:18 53.7 Lat: 36.13N Lon: 6.48W Depth: 38F 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	HN	234	305	ES		919	48.830	.010							1.0
MORF	HE	234	305	IAML		919	50.58			3	0.1				
MESJ	HZ	245	321	EP		919	26.930	.000							1.0
MESJ	HE	245	321	ES		919	51.14	-.010							1.0
MESJ	HN	245	321	IAML		919	56.22			3	0.3				

September 24 2017 Hour: 10:6 11.7 Lat: 15.40N Lon: 94.01W Depth: 60F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.0 secs

OFFSHORE CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8592	55	EP		1017	59.51	-.010							1.0
MORF	BZ	8592	55	IAMs_20		1045	20.61			2888	26.9				
MESJ	BZ	8620	54	EP		1018	0.860	.010							1.0
MESJ	BZ	8620	54	IAMs_20		1045	16.18			2575	24.3				

September 24 2017 Hour: 19:4 11.1 Lat: 37.55N Lon: 6.59W Depth: 0 Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	147	283	EP		19 4	34.75	-.040							1.0
MESJ	HE	147	283	ES		19 4	52.080	.040							1.0
MESJ	HE	147	283	IAML		19 4	54.64			8	0.1				

September 25 2017 Hour: 7:29 33.9 Lat: 37.72N Lon: 8.32W Depth: 16F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	16	34	EP		729	37.540	.040							1.0
MESJ	HE	16	34	ES		729	40.200	.060							1.0
MESJ	HN	16	34	IAML		729	40.44			103	0.2				
MORF	HZ	55	213	EP		729	42.83	-.100							1.0

September 25 2017 Hour: 17:33 56.4 Lat: 36.24N Lon: 8.31W Depth: 25F 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	122	346	EP		1734	14.58	-.150							1.0
MORF	HE	122	346	ES		1734	28.170	.060							1.0
MORF	HE	122	346	IAML		1734	29.09			28	0.3				
MESJ	HZ	178	3	EP		1734	21.620	.010							1.0
MESJ	HE	178	3	ES		1734	40.100	.080							1.0
MESJ	HN	178	3	IAML		1734	40.61			6	0.1				

September 25 2017 Hour: 18:40 34.3 Lat: 35.70N Lon: 9.93W Depth: 37F 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	212	32	EP		1841	3.350	.010							1.0
MORF	HN	212	32	ES		1841	24.38	-.190							1.0
MORF	HN	212	32	IAML		1841	26.03			25	0.2				
MESJ	HZ	282	32	EP		1841	12.180	.110							1.0
MESJ	HE	282	32	ES		1841	39.760	.080							1.0
MESJ	HE	282	32	IAML		1841	42.69			12	0.2				

September 25 2017 Hour: 19:11 57.6 Lat: 37.32N Lon: 8.62W Depth: 12F Agency: IGL Regional
Magnitudes: 0.7ML 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	3	239	EP		1911	59.38	-.270							1.0
MORF	HN	3	239	ES		1912	1.320	.140							1.0
MORF	HN	3	239	IAML		1912	1.68			47	0.1				
MESJ	HZ	68	31	EP		1912	8.550	.080							1.0
MESJ	HE	68	31	ES		1912	16.510	.060							1.0
MESJ	HE	68	31	IAML		1912	17.19			3	0.2				

September 25 2017 Hour: 20:29 23.8 Lat: 6.24S Lon: 152.79E Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 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	BZ16004	336	EPKP			2048	58.570	.060							1.0
GGNV	BZ16004	336	IAMs_20			2155	20.67			1311	21.9				
MESJ	BZ16043	334	EPKP			2048	59.13	-.010							1.0
MESJ	BZ16043	334	IAMs_20			2155	12.50			1027	18.3				
MORF	BZ16113	334	EPKP			2049	0.23	-.050							1.0
MORF	BN16113	334	IAMs_20			2155	51.80			1579	13.4				

September 25 2017 Hour: 22:50 28.0 Lat: 37.33N Lon: 8.31W Depth: 7F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	31	265	EP		2250	32.87	-.150							1.0
MORF	HN	31	265	ES		2250	36.730	.010							1.0
MORF	HE	31	265	IAML		2250	36.82			5	0.1				
MESJ	HZ	57	8	EP		2250	37.340	.110							1.0
MESJ	HE	57	8	ES		2250	44.050	.040							1.0
MESJ	HN	57	8	IAML		2250	45.69			3	0.1				

September 26 2017 Hour: 4:20 1.2 Lat: 23.71S Lon: 176.94W Depth: 98F 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
GGNV	BZ18000	32	EPKpdf			439	50.040	.020							1.0
GGNV	BZ18000	32	EPP			444	20.52	-.000							1.0
GGNV	BE18000	32	ESS			5 4	31.860	.010							1.0
MESJ	BZ18127	32	EPKpdf			439	51.300	.090							1.0

MESJ	BZ18127	32	EPP	444	26.48	-.110											1.0
MESJ	BN18127	32	ESS	5	4	43.740	.040										1.0
MORF	BZ18149	34	EPKpdf	439	51.530	.070											1.0
MORF	BZ18149	34	EPP	444	27.57	-.140											1.0
MORF	BE18149	34	ESS	5	4	45.890	.020										1.0

September 26 2017 Hour: 7:23 18.6 Lat: 38.34N Lon: 9.39W Depth: 33F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	117	118	EP		723	35.77	-.110							1.0
MESJ	HE	117	118	ES		723	48.520	.050							1.0
MESJ	HN	117	118	IAML		723	50.24			23	0.1				
MORF	HZ	132	150	EP		723	37.940	.130							1.0
MORF	HN	132	150	ES		723	51.73	-.080							1.0
MORF	HN	132	150	IAML		723	53.75			39	0.2				

September 26 2017 Hour: 10:38 7.9 Lat: 37.94N Lon: 9.02W Depth: 4F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

W SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	71	99	EP		1038	19.28	-.110							1.0
MESJ	HE	71	99	ES		1038	27.910	.110							1.0
MESJ	HE	71	99	IAML		1038	29.85			156	0.3				
MORF	HZ	78	155	EP		1038	20.36	-.070							1.0
MORF	HN	78	155	ES		1038	29.650	.070							1.0
MORF	HN	78	155	IAML		1038	31.00			352	0.2				

September 26 2017 Hour: 20:22 11.1 Lat: 40.34N Lon: 142.39E Depth: 32F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.0 secs

NEAR EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10857	337		EP		2035	42.25	-.030							1.0
MESJ	BZ10857	337		EPP		2039	40.350	.030							1.0
MESJ	BZ10857	337		IAMS_20		2121	58.22			2353	20.9				

September 26 2017 Hour: 23:14 7.2 Lat: 36.54N Lon: 9.86W Depth: 19F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	205	45	EP		2314	36.22	-.100							1.0
MESJ	HE	205	45	ES		2314	57.650	.100							1.0
MESJ	HE	205	45	IAML		2314	59.53			0.90	0.2				

September 27 2017 Hour: 5:4 3.1 Lat: 36.60N Lon: 12.65W Depth: 51F Agency: IGL Regional
Magnitudes: 3.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	364	76	EP		5	4	50.72	-.010						1.0
MORF	HN	364	76	ES		5	5	25.510	.030						1.0
MORF	HN	364	76	IAML		5	5	29.15			96	0.2			
GGNV	HN	388	52	ES		5	5	30.33	-.010						1.0
GGNV	HE	388	52	IAML		5	5	33.75			178	0.3			
MESJ	HZ	417	69	EP		5	4	57.210	.210						1.0
MESJ	HE	417	69	ES		5	5	36.12	-.220						1.0
MESJ	HE	417	69	IAML		5	5	38.15			24	0.1			

September 27 2017 Hour: 13:36 11.5 Lat: 32.33N Lon: 7.83W Depth: 14F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	612	357	EP		1337	31.060	.060							1.0

September 27 2017 Hour: 19:19 33.9 Lat: 38.73N Lon: 7.91W Depth: 9F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

E ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	102	195	EP		1919	50.410	.100							1.0
MESJ	HE	102	195	ES		1920	2.05-	.210							1.0
MESJ	HN	102	195	IAML		1920	3.56			3	0.2				
MORF	HN	171	203	ES		1920	18.730	.110							1.0
MORF	HE	171	203	IAML		1920	20.44			0.70	0.1				

September 27 2017 Hour: 20:19 54.1 Lat: 36.24N Lon: 8.16W Depth: 31F Agency: IGL Regional
Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	340	EP		2020	11.75-	.050							1.0
MESJ	HZ	178	358	EP		2020	18.220	.050							1.0

September 27 2017 Hour: 21:57 41.7 Lat: 36.57N Lon: 4.41W Depth: 73F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	366	294	EP		2158	29.53-	.100							1.0
MESJ	HE	366	294	ES		2159	4.660	.040							1.0
MESJ	HN	366	294	IAML		2159	8.03			6	0.2				
MORF	HZ	387	283	EP		2158	32.06-	.020							1.0
MORF	HN	387	283	ES		2159	8.930	.080							1.0
MORF	HN	387	283	IAML		2159	12.18			13	0.1				

September 28 2017 Hour: 11:49 52.2 Lat: 38.20N Lon: 8.52W Depth: 0 Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.3 secs

NE GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	48	147	EP		1149	59.70-	.240							1.0
MESJ	HE	48	147	ES		1150	5.26-	.320							1.0
MESJ	HN	48	147	IAML		1150	7.88			21	0.1				
MORF	HZ	100	187	EP		1150	8.860	.500							1.0
MORF	HE	100	187	ES		1150	20.240	.090							1.0
MORF	HE	100	187	IAML		1150	24.08			13	0.2				

September 28 2017 Hour: 23:11 15.8 Lat: 24.87S Lon: 179.82W Depth: 441F 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	BZ18382	27	EPK	Pdf		2330	27.88-	.020							1.0
MORF	BZ18411	29	EPK	Pdf		2330	28.200	.020							1.0

September 29 2017 Hour: 2: 4 5.6 Lat: 37.28N Lon: 9.19W Depth: 29F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NW VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	48	87	EP		2 4	14.230	.090							1.0
MORF	HN	48	87	ES		2 4	20.490	.080							1.0
MORF	HN	48	87	IAML		2 4	21.34			7	0.1				
MESJ	HZ	106	54	EP		2 4	21.39-	.190							1.0

September 29 2017 Hour: 3:53 13.8 Lat: 36.68N Lon: 8.38W Depth: 22F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	73	341	EP		353	25.970	.150							1.0
MORF	HE	73	341	ES		353	34.41-	.170							1.0
MORF	HE	73	341	IAML		353	35.79			13	0.1				
MESJ	HN	129	6	ES		353	47.490	.020							1.0

MESJ HN 129 6 IAML 353 49.24 1 0.2

**September 29 2017 Hour: 4: 0 22.1 Lat: 14.90N Lon: 94.05W Depth: 22F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.0 secs**

OFF COAST OF CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8560	53	EP		412	13.020	.050							1.0
GGNV	BZ	8560	53	IAMB		412	14.76			82	1.2				
MORF	BZ	8628	54	EP		412	16.45	-.020							1.0
MORF	BZ	8628	54	IAMB		412	18.03			318	2.4				
MESJ	BZ	8656	54	EP		412	17.80	-.030							1.0
MESJ	BZ	8656	54	IAMB		412	20.19			168	2.1				

**September 29 2017 Hour: 4:33 15.5 Lat: 14.89N Lon: 94.10W Depth: 24F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs**

OFF COAST OF CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8633	54	EP		445	9.71	-.060							1.0
MORF	BZ	8633	54	IAMB		445	10.30			18	1.0				

**September 29 2017 Hour: 11:48 41.1 Lat: 37.28N Lon: 2.05W Depth: 12F 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	549	278	EP		1149	53.070	.020							1.0

**September 30 2017 Hour: 18:15 51.4 Lat: 16.26N Lon: 94.71W Depth: 63F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs**

OFFSHORE OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8598	55	EP		1827	39.10	-.020							1.0
MORF	BZ	8598	55	IAMB		1827	40.88			27	1.0				
MESJ	BZ	8625	54	EP		1827	40.420	.020							1.0
MESJ	BZ	8625	54	IAMB		1827	41.45			21	1.0				

**September 30 2017 Hour: 23:15 29.9 Lat: 3.94N Lon: 128.54E Depth: 10F Agency: IGL Distant
Rms: 0.0 secs**

NORTH OF HALMAHERA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	13610	320	EPKPDF		2334	24.920	.010							1.0
MORF	BZ	13676	320	EPKPDF		2334	26.08	-.010							1.0

**October 1 2017 Hour: 12: 6 10.0 Lat: 37.15N Lon: 3.58W Depth: 1 Agency: IGL Regional
Rms: 0.0 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	417	282	EP		12	7	7.160	.010						1.0

**October 1 2017 Hour: 15: 6 34.5 Lat: 35.41N Lon: 9.49W Depth: 15F 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	223	19	EP		15	7	6.210	.020						1.0
MORF	HN	223	19	ES		15	7	29.33	-.020						1.0
MORF	HN	223	19	IAML		15	7	30.80		6	0.3				
MESJ	HZ	293	22	EP		15	7	14.75	-.020						1.0
MESJ	HN	293	22	ES		15	7	44.210	.020						1.0
MESJ	HN	293	22	IAML		15	7	46.13		5	0.3				

October 2 2017 Hour: 6:31 28.0 Lat: 36.84N Lon: 8.58W Depth: 29F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	52	353	EP		631	37.06	-.120							1.0
MORF	HE	52	353	ES		631	43.97	0.120							1.0
MORF	HE	52	353	IAML		631	44.60			5	0.1				

October 2 2017 Hour: 13:13 0.6 Lat: 36.87N Lon: 4.31W Depth: 29F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.0 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	362	288	EP		1313	48.43	-.060							1.0
MESJ	HE	362	288	ES		1314	23.43	-.020							1.0
MESJ	HE	362	288	IAML		1314	25.28			8	0.2				
MORF	HZ	389	278	EP		1313	51.86	0.060							1.0
MORF	HE	389	278	ES		1314	29.21	0.020							1.0
MORF	HN	389	278	IAML		1314	32.69			22	0.3				

October 2 2017 Hour: 23:52 12.9 Lat: 36.92N Lon: 8.60W Depth: 27F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	354	EP		2352	20.72	0.020							1.0
MORF	HE	43	354	ES		2352	26.46	0.020							1.0
MORF	HE	43	354	IAML		2352	26.90			21	0.3				
MESJ	HZ	107	18	EP		2352	29.09	-.120							1.0
MESJ	HN	107	18	ES		2352	41.23	0.080							1.0
MESJ	HN	107	18	IAML		2352	44.76			2	0.0				

October 3 2017 Hour: 1:54 27.6 Lat: 36.63N Lon: 7.15W Depth: 18F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	153	300	EP		154	50.48	0.050							1.0
MORF	HN	153	300	ES		155	7.12	0.050							1.0
MORF	HN	153	300	IAML		155	8.72			2	0.1				
MESJ	HZ	164	325	EP		154	51.60	-.180							1.0
MESJ	HN	164	325	ES		155	9.48	0.080							1.0
MESJ	HE	164	325	IAML		155	12.87			4	0.1				

October 3 2017 Hour: 5:38 15.9 Lat: 36.92N Lon: 8.41W Depth: 20F Agency: IGL Regional
Magnitudes: 0.3ML 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	48	333	EP		538	23.92	-.110							1.0
MORF	HN	48	333	ES		538	30.10	0.110							1.0
MORF	HN	48	333	IAML		538	31.66			2	0.1				

October 3 2017 Hour: 6:52 26.4 Lat: 36.62N Lon: 7.18W Depth: 19F 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	164	326	EP		652	50.36	-.040							1.0
MESJ	HN	164	326	ES		653	7.94	0.040							1.0
MESJ	HN	164	326	IAML		653	8.45			3	0.1				

October 3 2017 Hour: 20:39 5.0 Lat: 13.43N Lon: 49.41W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BN	4827	49	ES		2053	36.36	-.080							1.0
MORF	BZ	4827	49	IAMs_20		2059	7.72			2237	24.3				
MESJ	BZ	4885	49	EP		2047	11.740	.010							1.0
MESJ	BN	4885	49	ES		2053	44.030	.070							1.0
MESJ	BZ	4885	49	IAMs_20		2059	32.90			1916	15.3				

October 4 2017 Hour: 0:34 31.8 Lat: 36.80N Lon: 8.42W Depth: 2F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	60	340	EP		034	41.37	-.080							1.0
MESJ	HZ	117	9	EP		034	50.700	.050							1.0
MESJ	HN	117	9	ES		035	4.420	.030							1.0
MESJ	HE	117	9	IAML		035	5.70			2	0.1				

October 4 2017 Hour: 5:3 26.5 Lat: 37.30N Lon: 8.57W Depth: 12F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	274	EP		5 3	28.80	-.080							1.0
MORF	HE	7	274	ES		5 3	30.620	.030							1.0
MORF	HE	7	274	IAML		5 3	31.11			25	0.1				
MESJ	HN	67	27	ES		5 3	45.430	.060							1.0
MESJ	HN	67	27	IAML		5 3	48.36			1					

October 4 2017 Hour: 6:34 30.8 Lat: 38.27N Lon: 7.92W Depth: 10F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

NE ALVITO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	55	209	EP		634	39.830	.070							1.0
MESJ	HN	55	209	ES		634	46.22	-.070							1.0
MESJ	HN	55	209	IAML		634	47.02			3	0.1				

October 4 2017 Hour: 20:56 39.1 Lat: 35.42N Lon: 3.77W Depth: 3F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	480	305	EP		2057	43.790	.040							1.0
MESJ	HN	480	305	ES		2058	31.110	.170							1.0
MESJ	HN	480	305	IAML		2058	33.48			12	0.4				
MORF	HZ	486	297	EP		2057	44.30	-.150							1.0
MORF	HE	486	297	ES		2058	32.07	-.070							1.0
MORF	HE	486	297	IAML		2058	36.20			21	0.3				

October 5 2017 Hour: 1:8 6.5 Lat: 37.31N Lon: 8.60W Depth: 17F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	262	EP		1 8	9.28	-.060							1.0
MORF	HN	5	262	ES		1 8	11.36	-.090							1.0
MORF	HE	5	262	IAML		1 8	12.01			11	0.1				
MESJ	HN	68	30	ES		1 8	25.620	.160							1.0
MESJ	HN	68	30	IAML		1 8	27.40			1	0.1				

October 5 2017 Hour: 8:11 36.9 Lat: 22.41S Lon: 68.57W Depth:113F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.0 secs

ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9177	44	EP		823	46.990	.040							1.0
MESJ	BZ	9177	44	IAMB		823	49.61			158	2.2				
MESJ	BE	9177	44	ES		833	54.62	-.040							1.0

October 5 2017 Hour: 11:55 12.4 Lat: 37.06N Lon: 5.07W Depth: 4F Agency: IGL Regional
Magnitudes: 4.0ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	292	288	EP		1155	53.60	-.040							1.0
MESJ	HN	292	288	ES		1156	23.870	.110							1.0
MESJ	HN	292	288	IAML		1156	41.12			618	0.8				
MORF	HZ	319	276	EP		1155	57.00	-.070							1.0

October 5 2017 Hour: 12:13 49.5 Lat: 37.08N Lon: 5.09W Depth: 12F Agency: IGL Regional
Magnitudes: 4.0ML 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	289	288	EP		1214	29.69	-.010							1.0

October 5 2017 Hour: 15:10 5.5 Lat: 38.79N Lon: 9.01W Depth: 0 Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

NW ALCOCHETE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	15	236	ES		1510	9.57	-.040							1.0
GGNV	HN	15	236	IAML		1510	10.58			92	0.1				
MESJ	HZ	126	147	EP		1510	25.80	-.080							1.0
MESJ	HE	126	147	ES		1510	40.850	.120							1.0
MESJ	HN	126	147	IAML		1510	42.30			4	0.1				

October 6 2017 Hour: 1: 8 12.1 Lat: 37.12N Lon: 5.10W Depth: 1 Agency: IGL Regional
Magnitudes: 4.0ML 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	288	287	EP		1 8	53.08	-.010							1.0

October 6 2017 Hour: 5: 7 0.3 Lat: 37.08N Lon: 5.11W Depth: 0 Agency: IGL Regional
Magnitudes: 4.0ML 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	288	288	EP		5 7	41.47	-.010							1.0

October 6 2017 Hour: 7:59 33.4 Lat: 37.48N Lon: 143.95E Depth: 10F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11144	339	EPdif			813	19.610	.120							1.0
GGNV	BN11144	339	IAMs_20			9 4	49.62			16307	18.2				
MESJ	BZ11204	338	EPdif			813	21.88	-.050							1.0
MESJ	BZ11204	338	EPP			817	29.530	.070							1.0
MESJ	BE11204	338	IAMs_20			858	58.73			11010	19.4				
MORF	BZ11274	338	EPdif			813	24.67	-.080							1.0
MORF	BZ11274	338	EPP			817	34.17	-.060							1.0
MORF	BE11274	338	IAMs_20			856	23.38			14000	18.4				

October 6 2017 Hour: 9:7 42.2 Lat: 36.70N Lon: 8.36W Depth: 9F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	72	339	EP		9 7	53.900	.010							1.0
MORF	HE	72	339	ES		9 8	2.42	-.010							1.0
MORF	HN	72	339	IAML		9 8	3.90			4	0.1				

October 6 2017 Hour: 10:45 17.3 Lat: 37.30N Lon: 16.19W Depth: 26F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	668	88	EP		1046	42.53	-.000							1.0
MORF	HN	668	88	ES		1047	44.68	-.110							1.0
MORF	HN	668	88	IAML		1047	50.97			36	0.2				
MESJ	HE	706	83	ES		1047	52.700	.120							1.0
MESJ	HN	706	83	IAML		1047	56.98			37	0.2				

October 6 2017 Hour: 11:29 1.1 Lat: 6.87S Lon: 155.94E Depth:107FAgency: IGL Distant
Rms: 0.0 secs
BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16250	337	EPKP			1148	29.130	.020							1.0

October 6 2017 Hour: 14:56 40.7 Lat: 37.10N Lon: 141.20E Depth: 47F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs
NEAR EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11147	336	EPdif			1510	21.650	.010							1.0
MESJ	BZ11147	336	EPP			1514	28.030	.050							1.0
MESJ	BZ11147	336	IAMs_20			1557	6.11			2073	22.7				
MORF	BZ11217	336	EPP			1514	32.73	-.060							1.0
MORF	BZ11217	336	IAMs_20			1557	34.75			1959	16.0				

October 6 2017 Hour: 16:3 22.8 Lat: 35.43N Lon: 3.65W 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	489	305	EP		16 4	28.73	-.020							1.0

October 6 2017 Hour: 22:31 9.6 Lat: 37.81N Lon: 4.01W Depth: 1 Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	371	272	EP		2232	1.130	.090							1.0
MESJ	HE	371	272	ES		2232	38.47	-.090							1.0
MESJ	HE	371	272	IAML		2232	39.82			2	0.2				

October 7 2017 Hour: 3:44 22.6 Lat: 16.80S Lon: 69.50W Depth:178FAgency: IGL Distant
Magnitudes: 4.5Mb IGL Rms: 0.1 secs
SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8740	45	EP		356	4.510	.100							1.0
MORF	BZ	8740	45	IAMB		356	5.15			12	0.9				
MESJ	BZ	8804	45	EP		356	7.37	-.100							1.0
MESJ	BZ	8804	45	IAMB		356	7.77			7	0.9				

October 7 2017 Hour: 8:59 39.6 Lat: 35.60N Lon: 9.91W Depth: 40F 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	220	30	EP		9 0	9.900	.120							1.0
MORF	HN	220	30	ES		9 0	31.67	-.120							1.0
MORF	HE	220	30	IAML		9 0	32.66			2	0.2				

October 7 2017 Hour: 9:45 41.1 Lat: 36.67N Lon: 6.68W Depth: 38F 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
MESJ	HZ	188	314	EP		946	7.510	.190							1.0
MESJ	HN	188	314	ES		946	26.25	-.180							1.0
MESJ	HN	188	314	IAML		946	27.73			16	0.1				
MORF	HZ	189	292	EP		946	7.35	-.090							1.0
MORF	HE	189	292	ES		946	26.720	.080							1.0
MORF	HN	189	292	IAML		946	28.21			18	0.2				

October 7 2017 Hour: 10:28 50.5 Lat: 37.11N Lon: 5.43W Depth: 10F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	260	289	EP		1029	27.22	-.020							1.0
MESJ	HN	260	289	ES		1029	54.130	.060							1.0
MESJ	HN	260	289	IAML		1030	9.62			5	0.3				
MORF	HZ	287	275	EP		1029	30.60	-.040							1.0

October 7 2017 Hour: 20:4 30.9 Lat: 37.47N Lon: 9.19W Depth: 1F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs
NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	51	111	EP		20 4	39.10	-.040							1.0
MORF	HE	51	111	ES		20 4	45.160	.010							1.0
MORF	HN	51	111	IAML		20 4	47.96			37	0.2				
MESJ	HZ	95	64	EP		20 4	46.240	.020							1.0

October 8 2017 Hour: 6:9 43.9 Lat: 36.55N Lon: 9.74W Depth: 15F 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	49	EP		610	3.800	.040							1.0
MORF	HN	128	49	ES		610	18.25	-.040							1.0
MORF	HN	128	49	IAML		610	19.44			4	0.1				

October 8 2017 Hour: 14:14 14.4 Lat: 10.58N Lon: 41.28W Depth: 10F Agency: IGL Distant
Magnitudes: 4.7Mb 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	4409	42	EP		1421	46.280	.070							1.0
MORF	BZ	4409	42	IAMB		1421	47.30			18	1.1				

October 8 2017 Hour: 20:48 58.9 Lat: 61.74S Lon: 154.55E Depth: 10F Agency: IGL Distant
Magnitudes: 6.6Ms IGL Rms: 0.0 secs
BALLENY ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ17030	211	EPKP			21 8	49.160	.020							1.0
MORF	BZ17030	211	IAMs_20			2213	23.19			8076	17.4				
GGNV	BZ17193	211	EPKP			21 8	51.09	-.020							1.0
GGNV	BN17193	211	IAMs_20			2213	25.39			12691	23.0				

October 8 2017 Hour: 22:34 32.6 Lat: 52.37N Lon: 176.83E Depth:121F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.3 secs

RAT ISLANDS, ALEUTIAN ISLANDS Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9902	5	EP		2247	14.000	.340							1.0
GGNV	BZ	9902	5	IAmb		2247	16.43			81	1.0				
GGNV	BZ	9902	5	EPP		2250	45.920	.070							1.0
GGNV	BN	9902	5	ESKSac		2257	31.94	-.190							1.0
MORF	BZ10061		4	EP		2247	20.760	.320							1.0
MORF	BZ10061		4	IAmb		2247	22.46			272	1.6				
MORF	BZ10061		4	EPP		2250	57.21	-.080							1.0
MORF	BN10061		4	ESKSac		2257	40.20	-.470							1.0

October 10 2017 Hour: 1:34 28.9 Lat: 36.61N Lon: 7.00W Depth: 27F 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	166	298	EP		134	52.41	-.150							1.0
MORF	HN	166	298	ES		135	10.000	.150							1.0
MORF	HE	166	298	IAML		135	10.93			11	0.1				

October 10 2017 Hour: 6:32 21.2 Lat: 18.52S Lon: 69.64W Depth: 82F Agency: IGL Distant
Magnitudes: 6.4Mb IGL Rms: 0.0 secs

TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8884	45	EP		644	21.000	.030							1.0
MORF	BZ	8884	45	IAmb		644	22.29			903	1.2				
MORF	BN	8884	45	ES		654	18.15	-.010							1.0
GGNV	BZ	8933	44	EP		644	23.230	.020							1.0
GGNV	BZ	8933	44	IAmb		644	23.81			492	1.1				
GGNV	BN	8933	44	ES		654	22.50	-.050							1.0

October 10 2017 Hour: 14:19 19.4 Lat: 37.18N Lon: 7.56W Depth: 7F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

NE TAVIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	98	278	EP		1419	35.02	-.160							1.0
MORF	HE	98	278	ES		1419	46.890	.160							1.0
MORF	HE	98	278	IAML		1419	49.27			118	0.2				

October 10 2017 Hour: 18:44 28.6 Lat: 38.79N Lon: 8.98W Depth: 11F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

NW ALCOCHETE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	17	241	EP		1844	31.80	-.010							1.0
GGNV	HN	17	241	ES		1844	34.190	.010							1.0
GGNV	HE	17	241	IAML		1844	34.80			318	0.1				

October 10 2017 Hour: 18:53 29.2 Lat: 54.28S Lon: 8.64E Depth: 10F Agency: IGL Distant
Magnitudes: 6.9Ms IGL Rms: 0.0 secs

BOUVET ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10266		346	EP		19 6	39.200	.050							1.0
MORF	BN10266		346	ESS		1923	56.43	-.020							1.0
MORF	BZ10266		346	IAMs_20		1940	42.47			44790	25.7				
GGNV	BZ10428		346	EP		19 6	45.750	.020							1.0
GGNV	BN10428		346	ESS		1924	17.12	-.060							1.0
GGNV	BZ10428		346	IAMs_20		1943	11.47			65172	22.8				

October 10 2017 Hour: 22:20 4.0 Lat: 36.76N Lon: 8.14W Depth: 29F Agency: IGL Regional
Magnitudes: 0.7ML 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	76	323	EP		2220	16.25	-.070							1.0
MORF	HN	76	323	ES		2220	25.370	.070							1.0
MORF	HN	76	323	IAML		2220	26.64			3	0.1				

October 10 2017 Hour: 23:10 30.5 Lat: 37.32N Lon: 8.65W Depth: 17F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs
W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	2	188	EP		2310	33.350	.010							1.0
MORF	HE	2	188	ES		2310	35.38	-.010							1.0
MORF	HN	2	188	IAML		2310	35.64			15	0.1				

October 11 2017 Hour: 0:33 11.9 Lat: 39.17N Lon: 10.74W Depth: 31F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs
NORTH ATLANTIC OCEAN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	276	138	EP		033	48.290	.080							1.0
MORF	HE	276	138	ES		034	14.64	-.080							1.0
MORF	HN	276	138	IAML		034	16.71			21	0.2				

October 11 2017 Hour: 8:45 41.8 Lat: 37.19N Lon: 7.58W Depth: 7F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs
NE TAVIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	96	278	EP		845	57.17	-.140							1.0
MORF	HE	96	278	ES		846	8.780	.140							1.0
MORF	HN	96	278	IAML		846	10.71			97	0.2				

October 11 2017 Hour: 19:18 22.6 Lat: 36.39N Lon: 11.18W Depth: 32F 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	247	65	EP		1918	56.110	.060							1.0
MORF	HE	247	65	ES		1919	20.43	-.060							1.0
MORF	HE	247	65	IAML		1919	21.60			5	0.2				

October 11 2017 Hour: 20:57 51.1 Lat: 36.47N Lon: 8.95W Depth: 14F Agency: IGL Regional
Magnitudes: 2.1ML 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	96	16	EP		2058	6.400	.030							1.0
MORF	HN	96	16	ES		2058	17.50	-.030							1.0
MORF	HN	96	16	IAML		2058	19.66			44	0.1				

October 12 2017 Hour: 9:27 26.1 Lat: 36.09N Lon: 10.43W Depth: 34F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	208	49	EP		927	54.850	.120							1.0
MORF	HE	208	49	ES		928	15.53	-.120							1.0
MORF	HN	208	49	IAML		928	17.74			7	0.3				

October 12 2017 Hour: 12:2 20.5 Lat: 37.19N Lon: 8.70W Depth: 7F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs
N LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	18	EP		12 2	22.97	-.020							1.0
MORF	HE	13	18	ES		12 2	24.810	.020							1.0
MORF	HE	13	18	IAML		12 2	25.10			15	0.1				

October 12 2017 Hour: 19:116.3 Lat: 33.89N Lon: 10.90W Depth: 31F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs
MADEIRA ISLANDS, PORTUGAL REGION Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 430 28 EP 19 2 11.650.060 1.0
 MORF HN 430 28 ES 19 2 51.88-.060 1.0
 MORF HE 430 28 IAML 19 2 53.14 5 0.3

October 12 2017 Hour: 19:243.9 Lat: 33.90N Lon: 10.92W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
MADEIRA ISLANDS, PORTUGAL REGION Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 430 28 EP 19 3 39.220.080 1.0
 MORF HN 430 28 ES 19 4 19.40-.080 1.0
 MORF HN 430 28 IAML 19 4 20.91 2 0.2

October 13 2017 Hour: 2:5912.4 Lat: 36.78N Lon: 12.69W Depth: 10F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 364 80 EP 3 0 2.180.050 1.0
 MORF HE 364 80 ES 3 0 38.36-.050 1.0
 MORF HE 364 80 IAML 3 0 39.97 7 0.1

October 13 2017 Hour: 3:3641.0 Lat: 36.87N Lon: 12.72W Depth: 18F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 364 81 EP 337 29.88-.110 1.0
 MORF HN 364 81 ES 338 5.880.110 1.0
 MORF HN 364 81 IAML 338 8.25 3 0.1

October 13 2017 Hour: 11:3532.5 Lat: 35.47N Lon: 6.22W Depth: 32F 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 298 314 EP 1136 12.34-.020 1.0
 MORF HN 298 314 ES 1136 41.480.020 1.0
 MORF HN 298 314 IAML 1136 43.32 8 0.1

October 13 2017 Hour: 20:3954.3 Lat: 36.78N Lon: 10.89W Depth: 14F Agency: IGL Regional
Magnitudes: 1.3ML 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 207 73 EP 2040 24.140.020 1.0
 MORF HE 207 73 ES 2040 45.90-.020 1.0
 MORF HE 207 73 IAML 2040 47.37 3 0.2

October 13 2017 Hour: 21:2550.3 Lat: 37.31N Lon: 8.56W Depth: 13F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs
SW MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 8 266 EP 2125 52.80-.060 1.0
 MORF HE 8 266 ES 2125 54.790.060 1.0
 MORF HE 8 266 IAML 2125 55.56 11 0.1

October 14 2017 Hour: 0:2056.6 Lat: 16.23N Lon: 94.81W Depth: 49F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.0 secs
OFFSHORE OAXACA, MEXICO Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ 8537 53 EP 032 42.860.030 1.0
 GGNV BZ 8537 53 IAMB 032 44.25 86 0.9
 MORF BZ 8609 55 EP 032 46.51-.030 1.0

MORF BZ 8609 55 IAmb 032 47.53 51 0.9

**October 14 2017 Hour: 8:52 39.7 Lat: 37.31N Lon: 8.54W Depth: 8F 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	10	266	EP		852	41.78	-.010							1.0
MORF	HE	10	266	ES		852	43.350	.010							1.0
MORF	HN	10	266	IAML		852	43.84			41	0.2				

**October 14 2017 Hour: 12:42 26.7 Lat: 35.91N Lon: 8.72W Depth: 33F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	155	2	EP		1242	48.900	.140							1.0
MORF	HE	155	2	ES		1243	4.69	-.140							1.0
MORF	HE	155	2	IAML		1243	6.05			8	0.1				

**October 14 2017 Hour: 13: 2 59.4 Lat: 37.78N Lon: 9.29W Depth: 1F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs**

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	77	133	EP		13	3	11.79	-.050						1.0
MORF	HN	77	133	ES		13	3	20.990	.050						1.0
MORF	HN	77	133	IAML		13	3	24.10		12	0.1				

**October 15 2017 Hour: 1:43 38.1 Lat: 36.56N Lon: 4.40W Depth: 83F Agency: IGL Regional
Magnitudes: 2.5ML 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	388	284	EP		144	28.410	.020							1.0
MORF	HE	388	284	ES		145	5.08	-.020							1.0
MORF	HE	388	284	IAML		145	9.08			13	0.3				

**October 15 2017 Hour: 12:45 46.7 Lat: 37.07N Lon: 8.87W Depth: 21F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs**

E VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	32	37	EP		1245	52.67	-.090							1.0
MORF	HN	32	37	ES		1245	57.310	.090							1.0
MORF	HE	32	37	IAML		1245	57.62			61	0.2				

**October 15 2017 Hour: 16:23 0.7 Lat: 36.75N Lon: 8.42W Depth: 24F Agency: IGL Regional
Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	65	341	EP		1623	11.420	.020							1.0

**October 16 2017 Hour: 1:59 54.3 Lat: 37.20N Lon: 7.58W Depth: 7F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	96	277	EP		2	0	9.75	-.060						1.0
MORF	HN	96	277	ES		2	0	21.180	.060						1.0
MORF	HN	96	277	IAML		2	0	22.97		42	0.3				

**October 17 2017 Hour: 0:13 26.3 Lat: 34.54N Lon: 13.19W Depth: 15F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs**

MADEIRA ISLANDS, PORTUGAL REGION Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	511	52	EP		014	33.45	-.070							1.0
MORF	HN	511	52	ES		015	22.660	.070							1.0
MORF	HN	511	52	IAML		015	25.57			13	0.3				

October 17 2017 Hour: 5:30 59.1 Lat: 36.32N Lon: 7.69W Depth: 30F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	139	322	EP		531	19.250	.010							1.0
MORF	HE	139	322	ES		531	33.91	-.010							1.0
MORF	HE	139	322	IAML		531	35.67			11	0.2				

October 17 2017 Hour: 13:54 25.5 Lat: 36.63N Lon: 8.59W Depth: 1F 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	75	356	EP		1354	37.620	.030							1.0
MORF	HN	75	356	ES		1354	46.39	-.030							1.0
MORF	HN	75	356	IAML		1354	48.81			17	0.1				

October 17 2017 Hour: 14:52 43.4 Lat: 36.38N Lon: 9.78W Depth: 8F 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	144	44	EP		1453	5.92	-.040							1.0
MORF	HN	144	44	ES		1453	22.440	.040							1.0
MORF	HN	144	44	IAML		1453	24.08			12	0.2				

October 17 2017 Hour: 16:41 17.4 Lat: 35.35N Lon: 3.91W Depth: 9F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	478	298	EP		1642	21.10	-.130							1.0
MORF	HE	478	298	ES		1643	7.950	.130							1.0
MORF	HE	478	298	IAML		1643	9.78			10	0.3				

October 17 2017 Hour: 23:48 48.0 Lat: 37.34N Lon: 8.55W Depth: 16F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	247	EP		2348	51.060	.000							1.0
MORF	HE	10	247	ES		2348	53.29	-.000							1.0
MORF	HN	10	247	IAML		2348	53.67			36	0.1				

October 18 2017 Hour: 12: 1 0.6 Lat: 20.60S Lon: 173.90W Depth: 10F Agency: IGL Distant
Magnitudes: 6.7Ms IGL Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17544	33	EPKp	f		1220	56.610	.100							1.0
GGNV	BN17544	33	ESS			1245	7.12	-.000							1.0
GGNV	BZ17544	33	IAMs	_20		1329	2.09		11023	15.2					
MORF	BZ17691	34	EPKp	f		1220	58.16	-.050							1.0
MORF	BN17691	34	ESS			1245	21.25	-.040							1.0
MORF	BZ17691	34	IAMs	_20		1330	59.95		9976	19.5					

October 19 2017 Hour: 0:39 2.5 Lat: 36.26N Lon: 7.73W Depth: 23F 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	142	325	EP		039	23.68	-.070							1.0
MORF	HN	142	325	ES		039	39.310	.070							1.0
MORF	HN	142	325	IAML		039	39.97			104	0.3				

October 19 2017 Hour: 6:45 2.2 Lat: 33.84N Lon: 38.84W Depth: 10F Agency: IGL Distant
Magnitudes: 4.4Ms 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 2752 73 EP 650 23.81-.090 1.0
 MORF BE 2752 73 ES 654 47.300.090 1.0
 MORF BZ 2752 73 IAMS_20 657 5.84 1180 19.0

October 19 2017 Hour: 9: 2 2.1 Lat: 28.32N Lon: 131.20E Depth: 10F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.0 secs
SOUTHEAST OF RYUKYU ISLANDS Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF BZ11639 328 EPP 920 27.21-.000 1.0
 MORF BN11639 328 IAMS_20 10 1 21.99 3630 18.0

October 19 2017 Hour: 22:23 27.9 Lat: 7.39N Lon: 35.70W Depth: 10F Agency: IGL Distant
Magnitudes: 4.6Ms IGL Rms: 0.0 secs
CENTRAL MID-ATLANTIC RIDGE Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF BZ 4297 36 EP 2230 51.350.050 1.0
 MORF BE 4297 36 ES 2236 48.60-.050 1.0
 MORF BZ 4297 36 IAMS_20 2243 32.02 934 19.6

October 20 2017 Hour: 3:31 0.2 Lat: 36.73N Lon: 8.56W Depth: 25F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 64 353 EP 331 10.83-.060 1.0
 MORF HE 64 353 ES 331 18.740.060 1.0
 MORF HN 64 353 IAML 331 19.85 7 0.1

October 20 2017 Hour: 6:46 1.3 Lat: 37.36N Lon: 8.47W Depth: 6F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs
NE MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 17 249 EP 646 4.26-.070 1.0
 MORF HE 17 249 ES 646 6.590.070 1.0
 MORF HN 17 249 IAML 646 6.97 36 0.2

October 20 2017 Hour: 14:54 2.9 Lat: 37.17N Lon: 7.58W Depth: 1F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs
NE TAVIRA, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 96 279 EP 1454 18.39-.080 1.0
 MORF HN 96 279 ES 1454 29.890.080 1.0
 MORF HN 96 279 IAML 1454 31.97 55 0.2

October 21 2017 Hour: 8:46 1.9 Lat: 36.71N Lon: 9.68W Depth: 21F 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 113 54 EP 846 19.39-.010 1.0
 MORF HN 113 54 ES 846 32.170.010 1.0
 MORF HN 113 54 IAML 846 32.94 10 0.1

October 21 2017 Hour: 12:37 2.5 Lat: 37.30N Lon: 8.56W Depth: 9F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs
SW MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 8 273 EP 1237 4.43-.070 1.0
 MORF HN 8 273 ES 1237 6.050.070 1.0
 MORF HN 8 273 IAML 1237 6.57 59 0.1

October 23 2017 Hour: 15: 9 17.8 Lat: 36.66N Lon: 11.08W Depth: 30F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	228	71	EP		15 9	48.940	.060							1.0
MORF	HN	228	71	ES		1510	11.54	-.060							1.0
MORF	HN	228	71	IAML		1510	13.09			8	0.1				

October 23 2017 Hour: 17:22 35.8 Lat: 36.58N Lon: 7.83W Depth: 1 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	109	318	EP		1722	53.18	-.190							1.0
MORF	HE	109	318	ES		1723	6.370	.190							1.0
MORF	HE	109	318	IAML		1723	8.12			70	0.3				

October 23 2017 Hour: 17:28 5.7 Lat: 37.22N Lon: 8.11W Depth: 22F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

NW LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	49	281	EP		1728	14.13	-.020							1.0
MORF	HN	49	281	ES		1728	20.350	.020							1.0
MORF	HN	49	281	IAML		1728	21.68			14	0.1				

October 23 2017 Hour: 18:33 41.3 Lat: 36.55N Lon: 7.78W Depth: 5F 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	114	317	EP		1833	59.60	-.080							1.0
MORF	HE	114	317	ES		1834	13.180	.080							1.0
MORF	HE	114	317	IAML		1834	14.10			10	0.2				

October 23 2017 Hour: 19:59 25.6 Lat: 37.17N Lon: 7.57W Depth: 5F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.2 secs

NE TAVIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	97	279	EP		1959	41.11	-.180							1.0
MORF	HE	97	279	ES		1959	52.940	.180							1.0
MORF	HE	97	279	IAML		1959	56.03			145	0.2				

October 23 2017 Hour: 21:56 4.8 Lat: 37.32N Lon: 8.60W Depth: 16F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	250	EP		2156	7.46	-.090							1.0
MORF	HE	5	250	ES		2156	9.650	.090							1.0
MORF	HE	5	250	IAML		2156	9.92			6	0.1				

October 24 2017 Hour: 10:47 48.9 Lat: 7.24S Lon: 123.04E Depth:549FAgency: 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
MORF	BZ14136	312	EPKpdf			11 5	50.510	.050							1.0
MORF	BZ14136	312	EPP			11 7	57.680	.020							1.0
MORF	BE14136	312	ESKSac			1112	4.45	-.070							1.0

October 25 2017 Hour: 7: 2 57.0 Lat: 36.63N Lon: 6.98W Depth: 32F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	167	297	EP		7 3	20.490	.040							1.0
MORF	HE	167	297	ES		7 3	37.56	-.040							1.0
MORF	HN	167	297	IAML		7 3	39.15			12	0.1				

October 25 2017 Hour: 16:22 53.4 Lat: 36.75N Lon: 9.66W Depth: 18F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	109	55	EP		1623	10.52	-.090							1.0
MORF	HN	109	55	ES		1623	23.250	.090							1.0
MORF	HE	109	55	IAML		1623	24.49			24	0.2				

October 26 2017 Hour: 4:52 60.0 Lat: 36.78N Lon: 11.22W Depth: 33F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	236	75	EP		453	32.030	.020							1.0
MORF	HE	236	75	ES		453	55.40	-.020							1.0
MORF	HE	236	75	IAML		453	56.58			8	0.1				

October 26 2017 Hour: 4:54 25.1 Lat: 37.31N Lon: 9.12W Depth: 26F Agency: IGL Regional
Magnitudes: 1.2ML 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	41	91	EP		454	32.800	.070							1.0
MORF	HN	41	91	ES		454	38.22	-.070							1.0
MORF	HE	41	91	IAML		454	39.88			17	0.2				

October 27 2017 Hour: 9:37 15.4 Lat: 36.57N Lon: 11.28W Depth: 30F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	248	70	EP		937	49.06	-.010							1.0

October 27 2017 Hour: 14:16 39.0 Lat: 37.30N Lon: 8.50W Depth: 8F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	272	EP		1416	41.52	-.080							1.0
MORF	HE	14	272	ES		1416	43.560	.080							1.0
MORF	HN	14	272	IAML		1416	44.27			83	0.1				

October 27 2017 Hour: 22:0 9.3 Lat: 30.72N Lon: 8.16W Depth: 1 Agency: IGL Regional
Magnitudes: 1.2ML 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	732	357	EP		22	1	44.600	.060						1.0

October 27 2017 Hour: 22:8 52.7 Lat: 36.99N Lon: 8.74W Depth: 11F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	36	13	EP		22	8	58.58	-.140						1.0
MORF	HE	36	13	ES		22	9	3.290	.140						1.0
MORF	HN	36	13	IAML		22	9	4.24			11	0.1			

October 28 2017 Hour: 10:15 10.4 Lat: 37.36N Lon: 8.30W Depth: 8F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs
NE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	32	259	EP		1015	15.68	-.020							1.0
MORF	HN	32	259	ES		1015	19.600	.020							1.0
MORF	HE	32	259	IAML		1015	20.01			142	0.2				

October 28 2017 Hour: 16:13 55.2 Lat: 86.99N Lon: 56.45E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

NORTH OF FRANZ JOSEF LAND Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	5578	248	EP		1622	51.04	-.020							1.0
GGNV	BZ	5578	248	IAmb		1622	54.20			37	1.0				
MORF	BZ	5731	247	EP		1623	1.570	.020							1.0
MORF	BZ	5731	247	IAmb		1623	9.84			21	1.1				

October 28 2017 Hour: 16:16 7.0 Lat: 86.89N Lon: 52.85E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

NORTH OF FRANZ JOSEF LAND Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	5554	244	EP		1625	1.15	-.030							1.0
GGNV	BZ	5554	244	IAmb		1625	9.35			33	0.6				
MORF	BZ	5707	244	EP		1625	11.730	.030							1.0
MORF	BZ	5707	244	IAmb		1625	14.87			24	1.3				

October 28 2017 Hour: 18:59 32.7 Lat: 55.16N Lon: 35.32W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2674	122	EP		19 4	47.96	-.020							1.0
GGNV	BZ	2674	122	IAmb		19 4	50.66			15	0.6				
MORF	BZ	2824	124	EP		19 5	0.440	.020							1.0
MORF	BZ	2824	124	IAmb		19 5	5.84			26	0.9				

October 28 2017 Hour: 19: 6 14.7 Lat: 42.79N Lon: 0.22E Depth: 4F Agency: IGL Regional
Rms: 0.0 secs

PYRENEES Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	971	234	EP		19 8	17.74	-.040							1.0

October 28 2017 Hour: 19:11 2.5 Lat: 86.98N Lon: 56.93E Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

NORTH OF FRANZ JOSEF LAND Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	5580	248	EP		1919	58.540	.030							1.0
GGNV	BZ	5580	248	IAmb		1920	7.72			185	1.6				
GGNV	BN	5580	248	ES		1927	11.34	-.100							1.0
MORF	BZ	5733	248	EP		1920	9.010	.000							1.0
MORF	BZ	5733	248	IAmb		1920	11.71			333	2.5				
MORF	BN	5733	248	ES		1927	30.810	.070							1.0

October 28 2017 Hour: 19:32 4.0 Lat: 37.91N Lon: 12.06W Depth: 31F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	308	102	EP		1932	44.490	.170							1.0
MORF	HE	308	102	ES		1933	13.60	-.170							1.0
MORF	HE	308	102	IAML		1933	14.75			10	0.2				

October 28 2017 Hour: 19:45 21.2 Lat: 37.13N Lon: 8.04W Depth: 24F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

SW LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	58	290	EP		1945	30.82	-.130							1.0
MORF	HN	58	290	ES		1945	38.200	.130							1.0
MORF	HE	58	290	IAML		1945	38.91			3	0.1				

October 29 2017 Hour: 0:41 4.0 Lat: 36.67N Lon: 5.83W Depth: 24F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 261 287 EP 041 39.55-.120 1.0
 MORF HN 261 287 ES 042 5.840.120 1.0
 MORF HN 261 287 IAML 042 7.41 1 0.1

October 29 2017 Hour: 15:34 35.3 Lat: 37.30N Lon: 9.12W Depth: 28F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs
W ALJEZUR, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 41 89 EP 1534 42.98-.020 1.0
 MORF HE 41 89 ES 1534 48.670.020 1.0
 MORF HE 41 89 IAML 1534 49.16 17 0.1

October 29 2017 Hour: 20:40 47.0 Lat: 36.74N Lon: 7.24W Depth: 22F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 140 297 EP 2041 7.890.040 1.0
 MORF HE 140 297 ES 2041 23.02-.040 1.0
 MORF HE 140 297 IAML 2041 23.80 4 0.1

October 29 2017 Hour: 23:29 16.4 Lat: 37.96N Lon: 8.29W Depth: 6F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
NW ALJUSTREL, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 80 204 EP 2329 29.400.110 1.0
 MORF HN 80 204 ES 2329 38.58-.110 1.0
 MORF HN 80 204 IAML 2329 41.18 15 0.1

October 29 2017 Hour: 23:38 35.7 Lat: 36.75N Lon: 8.40W Depth: 19F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 66 340 EP 2338 46.35-.120 1.0
 MORF HN 66 340 ES 2338 54.420.120 1.0
 MORF HN 66 340 IAML 2338 55.79 5 0.2

October 30 2017 Hour: 3:31 43.4 Lat: 36.02N Lon: 4.65W Depth: 40F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 385 293 EP 332 33.61-.150 1.0
 MORF HN 385 293 ES 333 10.720.150 1.0
 MORF HN 385 293 IAML 333 14.46 54 0.1

October 30 2017 Hour: 17:12 7.3 Lat: 10.74S Lon: 74.69W Depth:101FAgency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs
CENTRAL PERU Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF BZ 8691 48 EP 1723 55.22-.080 1.0
 MORF BZ 8691 48 IAmb 1723 56.47 90 0.9
 MORF BE 8691 48 ES 1733 41.940.080 1.0

October 30 2017 Hour: 17:59 12.2 Lat: 37.32N Lon: 8.60W Depth: 15F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs
W MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 5 250 EP 1759 14.70-.130 1.0
 MORF HN 5 250 ES 1759 16.860.130 1.0
 MORF HE 5 250 IAML 1759 17.64 6 0.1

October 31 2017 Hour: 0:42 13.2 Lat: 21.89S Lon: 168.87E Depth: 29F Agency: IGL Distant
Magnitudes: 6.8Ms IGL Rms: 0.0 secs

LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18152	355	EPK	Pdf		1 2	12.13	-.010							1.0
GGNV	BE18152	355	IAMs		20	226	12.63		17132	19.0					
MORF	BZ18302	353	EPK	Pdf		1 2	13.490	.010							1.0
MORF	BZ18302	353	IAMs		20	217	41.30		12211	20.5					

October 31 2017 Hour: 4:58 58.6 Lat: 15.53S Lon: 173.32W Depth: 35F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ17184	29	EPK	Pdf		518	46.310	.010							1.0
MORF	BZ17184	29	IAMs		20	620	55.40		1809	36.3					

October 31 2017 Hour: 11:10 22.1 Lat: 36.77N Lon: 7.29W Depth: 22F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	135	296	EP		1110	42.16	-.120							1.0
MORF	HN	135	296	ES		1110	57.120	.120							1.0
MORF	HN	135	296	IAML		1110	58.30		19	0.1					

October 31 2017 Hour: 11:31 43.1 Lat: 3.80S Lon: 127.72E Depth: 27F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs

SERAM, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ14209	318	EPP			1152	46.980	.040							1.0
MORF	BZ14249	316	EPK	Pdf		1150	46.21	-.030							1.0
MORF	BZ14249	316	EPP			1152	49.39	-.010							1.0

October 31 2017 Hour: 11:34 44.3 Lat: 3.82S Lon: 127.66E Depth: 47F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs

SERAM INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ14246	316	EPK	Pdf		1153	44.710	.000							1.0

October 31 2017 Hour: 11:53 40.2 Lat: 35.19N Lon: 11.36W Depth: 27F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	338	45	EP		1154	25.18	-.020							1.0
MORF	HE	338	45	ES		1154	58.090	.020							1.0
MORF	HE	338	45	IAML		1155	1.51		15	0.3					

October 31 2017 Hour: 11:50 52.9 Lat: 3.70S Lon: 127.82E Depth: 32F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs

SERAM, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ14208	318	EPP			1211	55.86	-.130							1.0
MORF	BZ14249	316	EPK	Pdf		12 9	55.360	.090							1.0
MORF	BZ14249	316	EPP			1211	58.510	.030							1.0

October 31 2017 Hour: 18:12 13.2 Lat: 36.60N Lon: 9.78W Depth: 12F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	127	52	EP		1812	33.05	-.080							1.0
MORF	HN	127	52	ES		1812	47.790	.080							1.0
MORF	HN	127	52	IAML		1812	48.59		12	0.1					