

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

July to August

2017

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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

July 1 2017 Hour: 4:24 20.2 Lat: 36.21N Lon: 7.83W Depth: 38F 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
MESJ	HZ	184	349	EP		424	45.75-	.100							1.0
MESJ	HE	184	349	ES		425	4.670	.100							1.0
MESJ	HE	184	349	IAML		425	5.88			3	0.1				

July 1 2017 Hour: 23:20 16.8 Lat: 36.78N Lon: 8.76W Depth: 29F Agency: IGL Regional
Magnitudes: 2.5ML 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	59	9	EP		2320	26.84-	.010							1.0
MORF	HN	59	9	ES		2320	34.220	.020							1.0
MORF	HN	59	9	IAML		2320	35.55			187	0.1				
MESJ	HZ	127	22	EP		2320	35.42-	.010							1.0
MESJ	HN	127	22	ES		2320	49.060	.010							1.0
MESJ	HN	127	22	IAML		2320	50.74			71	0.1				

July 1 2017 Hour: 23:33 37.2 Lat: 36.37N Lon: 3.29W Depth: 7F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	468	292	EP		2334	40.080	.090							1.0
MESJ	HN	468	292	ES		2335	25.70-	.090							1.0
MESJ	HN	468	292	IAML		2335	27.83			8	0.4				

July 2 2017 Hour: 1:35 16.7 Lat: 36.07N Lon: 7.31W Depth: 37F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	212	338	EP		135	45.81-	.070							1.0
MESJ	HN	212	338	ES		136	7.220	.070							1.0
MESJ	HN	212	338	IAML		136	9.72			4	0.3				

July 2 2017 Hour: 9:58 50.4 Lat: 27.36S Lon: 176.50W Depth: 13F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.0 secs
KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18425	40	EPKp \bar{d} f			1018	54.240	.000							1.0
MESJ	BZ18425	40	EPP			1023	40.620	.020							1.0
MESJ	BZ18425	40	IAMs_20			1136	30.77			1897	30.9				
MORF	BZ18437	43	EPKp \bar{d} f			1018	54.400	.020							1.0
MORF	BZ18437	43	EPP			1023	41.13-	.040							1.0
MORF	BZ18437	43	IAMs_20			1141	1.83			1646	30.7				

July 2 2017 Hour: 12:40 9.0 Lat: 27.43S Lon: 176.08W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.1 secs
KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18404	41	EPKp \bar{d} f			13 0	13.250	.060							1.0
MESJ	BZ18404	41	IAMs_20			1425	37.61			589	25.4				
MORF	BZ18414	44	EPKp \bar{d} f			13 0	13.25-	.060							1.0
MORF	BZ18414	44	IAMs_20			1421	53.11			1132	32.0				

July 2 2017 Hour: 15:52 58.2 Lat: 21.85S Lon: 68.59W Depth: 106F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs
ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9068	44	EP		16 5	3.92-	.040							1.0
MORF	BZ	9068	44	IAMB		16 5	5.35			41	1.2				
MESJ	BZ	9134	44	EP		16 5	7.030	.040							1.0
MESJ	BZ	9134	44	IAMB		16 5	8.83			28	1.2				

July 2 2017 Hour: 19:12 41.4 Lat: 37.62N Lon: 6.22W Depth: 0 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs
SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	178	278	EP		1913	8.87	-0.05							1.0
MESJ	HE	178	278	ES		1913	29.10	0.05							1.0
MESJ	HN	178	278	IAML		1913	33.73			37	0.2				

July 2 2017 Hour: 20:22 56.0 Lat: 37.33N Lon: 8.64W Depth: 17F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs
NW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	202	EP		2022	58.69	-.090							1.0
MORF	HE	3	202	ES		2023	0.870	.030							1.0
MORF	HN	3	202	IAML		2023	1.33			26	0.2				
MESJ	HN	68	33	ES		2023	15.010	.060							1.0
MESJ	HN	68	33	IAML		2023	15.84			3	0.1				

July 3 2017 Hour: 2: 9 44.4 Lat: 36.61N Lon: 10.62W Depth: 31F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	191	66	EP		210	10.250	.060							1.0
MORF	HE	191	66	ES		210	29.170	.120							1.0
MORF	HN	191	66	IAML		210	30.46			44	0.2				
MESJ	HZ	253	57	EP		210	17.64	-.170							1.0
MESJ	HE	253	57	ES		210	42.19	-.030							1.0
MESJ	HN	253	57	IAML		210	45.71			18	0.1				

July 3 2017 Hour: 11:18 20.4 Lat: 41.21N Lon: 20.88E Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.1 secs
FYR OF MACEDONIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2518	271	EP		1123	21.640	.070							1.0
MESJ	BZ	2518	271	IAMB		1123	25.59			58	1.6				
MESJ	BN	2518	271	ES		1127	31.140	.020							1.0
MORF	BE	2573	270	ES		1127	39.30	-.090							1.0

July 3 2017 Hour: 17:13 2.5 Lat: 37.11N Lon: 4.00W Depth: 1 Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	382	284	EP		1713	55.23	-.000							1.0

July 3 2017 Hour: 17:45 18.4 Lat: 37.36N Lon: 2.08W Depth: 12F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	545	277	EP		1746	29.94	-.010							1.0

July 4 2017 Hour: 0:37 0.4 Lat: 37.20N Lon: 8.59W Depth: 6F Agency: IGL Regional
Magnitudes: 0.4ML 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	13	334	EP		037	2.49	-.220							1.0
MORF	HN	13	334	ES		037	4.500	.090							1.0
MORF	HN	13	334	IAML		037	4.92			14	0.1				
MESJ	HN	78	25	ES		037	22.390	.130							1.0
MESJ	HN	78	25	IAML		037	24.65			2	0.2				

July 4 2017 Hour: 1:24 46.3 Lat: 36.09N Lon: 10.72W Depth: 22F 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	229	53	EP		125	18.08	-.020							1.0
MORF	HN	229	53	ES		125	41.330	.020							1.0
MORF	HN	229	53	IAML		125	42.46			8	0.3				

July 4 2017 Hour: 2:40 31.9 Lat: 37.24N Lon: 9.01W Depth: 29F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

SW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	33	77	EP		240	38.700	.050							1.0
MORF	HE	33	77	ES		240	43.51	-.060							1.0
MORF	HN	33	77	IAML		240	44.23			129	0.1				
MESJ	HZ	96	46	EP		240	46.790	.010							1.0

July 4 2017 Hour: 16: 5 58.1 Lat: 35.54S Lon: 73.37W Depth: 10F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

OFFSHORE MAULE, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10463		46	EP		1619	16.59	-.000							1.0
MORF	BZ10463		46	EPP		1623	2.83	-.040							1.0
MORF	BZ10463		46	IAMs_20		1659	30.42			5572	25.2				
MESJ	BZ10531		46	EP		1619	19.30	-.030							1.0
MESJ	BZ10531		46	EPP		1623	7.57	-.040							1.0
MESJ	BN10531		46	ESKSac		1629	54.900	.150							1.0
MESJ	BZ10531		46	IAMs_20		17 5	5.46			4863	16.8				
GGNV	BZ10537		45	EP		1619	19.490	.000							1.0
GGNV	BZ10537		45	EPP		1623	7.93	-.030							1.0
GGNV	BZ10537		45	IAMs_20		17 2	25.00			4686	17.5				

July 4 2017 Hour: 21:53 58.3 Lat: 33.44N Lon: 4.39W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	599	326	EP		2155	17.600	.000							1.0

July 5 2017 Hour: 0:51 51.3 Lat: 37.26N Lon: 8.53W Depth: 14F Agency: IGL Regional
Magnitudes: 0.3ML 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	12	294	EP		051	54.35	-.010							1.0
MORF	HE	12	294	ES		051	56.570	.010							1.0
MORF	HN	12	294	IAML		051	56.99			10	0.2				

July 5 2017 Hour: 3:27 7.6 Lat: 33.18N Lon: 2.92W Depth: 0 Agency: IGL Regional
Magnitudes: 3.7ML IGL Rms: 0.1 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	693	313	EP		328	38.34	-.120							1.0
MESJ	HZ	706	319	EP		328	39.87	-.020							1.0
MESJ	HN	706	319	ES		329	47.390	.150							1.0
MESJ	HN	706	319	IAML		329	49.65			69	0.3				

July 5 2017 Hour: 5:14 23.0 Lat: 35.42N Lon: 11.43W Depth: 57F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	325	49	EP		515	5.83	-.090							1.0
MORF	HE	325	49	ES		515	37.320	.090							1.0
MORF	HE	325	49	IAML		515	39.16			2	0.1				

July 5 2017 Hour: 6:24 21.6 Lat: 35.29N Lon: 3.75W Depth: 15F Agency: IGL Regional
 Magnitudes: 2.4ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	490	307	EP		625	25.97	-.190							1.0
MESJ	HE	490	307	ES		626	13.370	.080							1.0
MESJ	HN	490	307	IAML		626	16.45			7	0.3				
MORF	HZ	493	298	EP		625	26.770	.110							1.0

July 5 2017 Hour: 7:37 19.3 Lat: 36.43N Lon: 11.20W Depth: 25F Agency: IGL Regional
 Magnitudes: 2.3ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	247	66	EP		737	53.08	-.040							1.0
MORF	HN	247	66	ES		738	17.880	.040							1.0
MORF	HE	247	66	IAML		738	20.64			39	0.2				
MESJ	HZ	308	59	EP		738	0.52	-.090							1.0
MESJ	HE	308	59	ES		738	30.870	.080							1.0
MESJ	HN	308	59	IAML		738	32.83			7	0.2				

July 5 2017 Hour: 23:32 10.6 Lat: 35.78N Lon: 5.95W Depth: 39F Agency: IGL Regional
 Magnitudes: 3.1ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	295	306	EP		2332	49.94	-.130							1.0
MORF	HE	295	306	ES		2333	19.010	.130							1.0
MORF	HN	295	306	IAML		2333	20.27			79	0.1				
MESJ	HZ	305	319	EP		2332	51.310	.020							1.0
MESJ	HE	305	319	ES		2333	20.99	-.010							1.0
MESJ	HN	305	319	IAML		2333	22.97			71	0.2				

July 6 2017 Hour: 6:30 15.5 Lat: 46.90N Lon: 112.59W Depth: 4F Agency: IGL Distant
 Magnitudes: 5.5Ms IGL Rms: 0.1 secs
WESTERN MONTANA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	7869	54	EP		641	33.23	-.020							1.0
GGNV	BZ	7869	54	IAMs_20		7 8	58.74			3233	23.6				
MESJ	BZ	7995	54	EP		641	40.13	-.040							1.0
MESJ	BN	7995	54	ES		651	2.890	.110							1.0
MESJ	BE	7995	54	IAMs_20		718	53.21			2658	14.4				
MORF	BZ	8011	54	EP		641	41.03	-.060							1.0
MORF	BZ	8011	54	IAMs_20		721	34.70			2643	23.2				

July 6 2017 Hour: 7:46 23.0 Lat: 36.98N Lon: 8.83W Depth: 28F Agency: IGL Regional
 Magnitudes: 0.7ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	39	24	EP		746	30.48	-.010							1.0
MORF	HN	39	24	ES		746	35.950	.010							1.0
MORF	HN	39	24	IAML		746	36.55			6	0.1				

July 6 2017 Hour: 8:3 58.0 Lat: 11.11N Lon: 124.63E Depth: 6F Agency: IGL Distant
 Magnitudes: 7.0Ms IGL Rms: 0.1 secs
LEYTE, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12723	320	EPP			823	33.83	-.050							1.0
MESJ	BN12723	320	IAMs_20			9 8	3.17			37802	19.3				
GGNV	BZ12726	322	EPP			823	34.140	.080							1.0
GGNV	BE12726	322	IAMs_20			9 7	1.57			54163	23.4				
MORF	BZ12789	320	EPP			823	38.14	-.030							1.0
MORF	BN12789	320	IAMs_20			9 8	9.28			44917	26.3				

July 6 2017 Hour: 17:46 33.5 Lat: 36.41N Lon: 6.85W Depth: 32F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	189	302	EP		1746	59.58	-.210							1.0
MORF	HN	189	302	ES		1747	18.95	-.010							1.0
MORF	HE	189	302	IAML		1747	20.27			51	0.2				
MESJ	HZ	200	323	EP		1747	1.380	.250							1.0
MESJ	HN	200	323	ES		1747	21.25	-.020							1.0
MESJ	HN	200	323	IAML		1747	22.59			66	0.2				

July 7 2017 Hour: 6:46 58.7 Lat: 36.50N Lon: 9.86W Depth: 28F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	140	50	EP		647	19.010	.010							1.0
MORF	HN	140	50	ES		647	33.85	-.010							1.0
MORF	HN	140	50	IAML		647	35.09			23	0.1				
MESJ	HE	208	44	ES		647	48.48	-.000							1.0
MESJ	HN	208	44	IAML		647	49.26			3	0.1				

July 7 2017 Hour: 7:38 33.0 Lat: 35.79N Lon: 10.28W Depth: 32F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	222	40	EP		739	3.24	-.120							1.0
MORF	HE	222	40	ES		739	25.33	-.230							1.0
MORF	HN	222	40	IAML		739	25.97			5	0.2				
MESJ	HZ	292	38	EP		739	12.200	.170							1.0
MESJ	HN	292	38	ES		739	40.750	.200							1.0
MESJ	HE	292	38	IAML		739	42.90			2	0.2				

July 7 2017 Hour: 17:34 40.5 Lat: 37.33N Lon: 8.64W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	202	EP		1734	42.600	.010							1.0
MORF	HE	3	202	ES		1734	44.10	-.010							1.0
MORF	HN	3	202	IAML		1734	44.87			62	0.2				

July 7 2017 Hour: 22:14 24.0 Lat: 36.46N Lon: 9.86W Depth: 31F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	143	49	EP		2214	43.75	-.030							1.0
MORF	HN	143	49	ES		2214	58.260	.050							1.0
MORF	HN	143	49	IAML		2214	59.57			24	0.1				
MESJ	HZ	211	43	EP		2214	52.280	.010							1.0
MESJ	HE	211	43	ES		2215	12.88	-.030							1.0
MESJ	HN	211	43	IAML		2215	16.03			8	0.2				

July 7 2017 Hour: 23:7 36.5 Lat: 37.12N Lon: 7.89W Depth: 15F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

SW S.BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	71	287	EP		23	7	47.86	-.030						1.0
MORF	HN	71	287	ES		23	7	56.19	-.050						1.0
MORF	HN	71	287	IAML		23	7	57.81		10	0.2				
MESJ	HZ	85	340	EP		23	7	50.040	.000						1.0
MESJ	HN	85	340	ES		23	8	0.020	.070						1.0
MESJ	HN	85	340	IAML		23	8	1.84		4	0.0				

July 8 2017 Hour: 7:27 35.2 Lat: 22.58S Lon: 173.11E Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.0 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18225		6	EPKpdf		747	37.850	.020							1.0
GGNV	BZ18225		6	EPP		752	16.21	-.010							1.0
MESJ	BZ18331		4	EPKpdf		747	38.730	.000							1.0
MESJ	BZ18331		4	EPP		752	21.240	.020							1.0
MESJ	BZ18331		4	IAMs_20		859	29.67		1482	18.5					
MORF	BZ18386		6	EPKpdf		747	39.12	-.100							1.0
MORF	BZ18386		6	EPP		752	23.930	.060							1.0
MORF	BZ18386		6	IAMs_20		853	21.65		1985	28.2					

July 8 2017 Hour: 10:42 48.9 Lat: 35.67N Lon: 1.63W Depth: 1 Agency: IGL Regional
Magnitudes: 3.9ML IGL Rms: 0.1 secs

NORTHERN ALGERIA Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	636	294	EP		1044	12.32	-.180							1.0
MESJ	HN	636	294	ES		1045	13.560	.000							1.0
MESJ	HN	636	294	IAML		1045	17.03		154	0.3					
MORF	HZ	655	288	EP		1044	15.020	.180							1.0

July 8 2017 Hour: 11:9 25.7 Lat: 36.59N Lon: 9.83W Depth: 12F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	131	53	EP		119	46.24	-.080							1.0
MORF	HE	131	53	ES		1110	1.420	.070							1.0
MORF	HN	131	53	IAML		1110	3.92		14	0.2					
MESJ	HZ	199	45	EP		119	54.63	-.060							1.0
MESJ	HN	199	45	ES		1110	15.900	.070							1.0
MESJ	HE	199	45	IAML		1110	17.17		3	0.2					

July 8 2017 Hour: 11:57 51.2 Lat: 37.33N Lon: 8.67W Depth: 18F Agency: IGL Regional
Magnitudes: 0.6ML 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	3	152	EP		1157	54.16	-.070							1.0
MORF	HN	3	152	ES		1157	56.440	.040							1.0
MORF	HN	3	152	IAML		1157	56.72		26	0.1					
MESJ	HE	69	35	ES		1158	10.700	.030							1.0
MESJ	HN	69	35	IAML		1158	11.71		2	0.1					

July 8 2017 Hour: 12:11 22.2 Lat: 32.22N Lon: 7.77W Depth: 12F Agency: IGL Regional
Magnitudes: 0.0 IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	570	352	EP		1212	36.790	.040							1.0

July 8 2017 Hour: 13:46 52.5 Lat: 38.17N Lon: 9.13W Depth: 1 Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

S SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	88	114	EP		1347	6.50	-.140							1.0
MESJ	HN	88	114	ES		1347	17.140	.140							1.0
MESJ	HN	88	114	IAML		1347	18.32		7	0.3					

July 8 2017 Hour: 14:32 56.6 Lat: 37.28N Lon: 13.55W Depth: 0 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	434	88	EP		1433	55.92	-.120							1.0
MORF	HN	434	88	ES		1434	39.41	0.000							1.0
MORF	HN	434	88	IAML		1434	41.18			8	0.2				
MESJ	HZ	475	81	EP		1434	1.070	.120							1.0

July 8 2017 Hour: 17:18 5.0 Lat: 36.26N Lon: 8.38W Depth: 7F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	348	EP		1718	23.880	.000							1.0
MESJ	HZ	176	5	EP		1718	31.580	.020							1.0
MESJ	HE	176	5	ES		1718	50.93	-.030							1.0
MESJ	HE	176	5	IAML		1718	52.33			3	0.1				

July 8 2017 Hour: 18:38 25.1 Lat: 38.43N Lon: 7.76W Depth: 0 Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs
NW PORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	77	212	EP		1838	37.570	.040							1.0
MESJ	HE	77	212	ES		1838	46.56	-.040							1.0
MESJ	HE	77	212	IAML		1838	47.42			32	0.1				

July 10 2017 Hour: 7:16 55.1 Lat: 38.44N Lon: 8.12W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.2 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	67	188	EP		717	6.140	.200							1.0
MESJ	HN	67	188	ES		717	13.68	-.200							1.0
MESJ	HN	67	188	IAML		717	14.66			4	0.1				

July 10 2017 Hour: 7:58 54.2 Lat: 36.92N Lon: 4.16W Depth: 64F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs
SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	374	287	EP		759	43.000	.020							1.0

July 10 2017 Hour: 10:12 15.4 Lat: 37.33N Lon: 8.56W Depth: 12F 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	9	251	EP		1012	17.76	-.110							1.0
MORF	HE	9	251	ES		1012	19.750	.080							1.0
MORF	HN	9	251	IAML		1012	19.89			77	0.2				
MESJ	HE	64	28	ES		1012	33.390	.030							1.0
MESJ	HE	64	28	IAML		1012	34.46			3	0.1				

July 10 2017 Hour: 10:17 27.1 Lat: 39.36N Lon: 9.26W Depth: 29F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs
W OBIDOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	72	172	EP		1017	38.70	-.180							1.0
GGNV	HE	72	172	ES		1017	47.710	.200							1.0
GGNV	HE	72	172	IAML		1017	48.58			350	0.3				
MESJ	HZ	192	151	EP		1017	53.68	-.060							0.9
MORF	HZ	234	167	EP		1017	59.120	.040							0.9

July 10 2017 Hour: 16: 5 25.9 Lat: 34.92N Lon: 4.38W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	467	306	EP		16	6	29.20	-.040						1.0
MESJ	HZ	473	314	EP		16	6	29.980	.040						1.0

July 10 2017 Hour: 16:26 37.1 Lat: 35.88N Lon: 4.65W Depth: 25F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	386	305	EP		1627		27.96	-.190						1.0
MESJ	HN	386	305	ES		1628		5.600	.190						1.0
MESJ	HN	386	305	IAML		1628		7.91			5	0.3			

July 10 2017 Hour: 16:37 20.8 Lat: 34.94N Lon: 4.19W Depth: 0 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	484	313	EP		1638		26.15	-.010						1.0

July 10 2017 Hour: 19: 5 59.8 Lat: 38.18N Lon: 8.69W Depth: 9F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

NE MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	56	132	EP		19	6	8.92	-.030						1.0
MESJ	HE	56	132	ES		19	6	15.55	-.080						1.0
MESJ	HN	56	132	IAML		19	6	18.56			19	0.2			
MORF	HZ	97	178	EP		19	6	15.550	.160						1.0
MORF	HE	97	178	ES		19	6	26.73	-.050						1.0
MORF	HE	97	178	IAML		19	6	27.90			38	0.1			

July 11 2017 Hour: 3:18 18.6 Lat: 35.77N Lon: 1.72W Depth: 4F Agency: IGL Regional
Magnitudes: 4.7ML IGL Rms: 0.1 secs

NORTHERN ALGERIA Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	624	294	EP		319		40.46	-.090						1.0
MESJ	HE	624	294	ES		320		40.35	-.020						1.0
MESJ	HN	624	294	IAML		320		44.91			549	0.4			
MORF	HZ	644	287	EP		319		42.91	-.080						1.0
MORF	HE	644	287	ES		320		44.630	.040						1.0
MORF	HN	644	287	IAML		320		50.94			843	0.4			
GGNV	HZ	736	299	EP		319		54.110	.140						0.9
GGNV	HN	736	299	ES		321		3.620	.040						0.9
GGNV	HE	736	299	IAML		321		9.08			1310	0.6			

July 11 2017 Hour: 6:27 32.9 Lat: 36.73N Lon: 9.72W Depth: 34F 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	HN	114	56	ES		628		2.30	-.000						1.0
MORF	HN	114	56	IAML		628		3.24			37	0.1			
MESJ	HZ	181	47	EP		627		58.06	-.110						1.0
MESJ	HN	181	47	ES		628		16.720	.110						1.0
MESJ	HN	181	47	IAML		628		17.15			7	0.1			

July 11 2017 Hour: 7: 0 3.8 Lat: 49.55S Lon: 164.03E Depth: 10F Agency: IGL Distant
Magnitudes: 7.0Ms IGL Rms: 0.1 secs

AUCKLAND ISLANDS, NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ18517	206		EPKp _{df}		720		9.150	.120						1.0
MORF	BZ18517	206		IAMs ₂₀		840		59.62			16875	17.7			
MESJ	BZ18558	208		EPKp _{df}		720		9.21	-.050						1.0

MESJ BZ18558 208 IAMs_20 845 23.10 23165 22.2
 GGNV BZ18679 207 EPKp \bar{f} 720 9.96-.060 1.0
 GGNV BZ18679 207 IAMs_20 835 2.75 26555 27.9

**July 11 2017 Hour: 12: 9 17.1 Lat: 0.64N Lon: 79.73W Depth: 34F Agency: IGL Distant
 Magnitudes: 5.3Mb IGL Rms: 0.1 secs**

NEAR COAST OF ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8306	51	EP		1220	53.230	.110							1.0
MORF	BZ	8306	51	IAmb		1220	54.59			59	1.1				
MESJ	BZ	8355	51	EP		1220	55.51	-.100							1.0
MESJ	BZ	8355	51	IAmb		1220	56.19			29	1.0				
MESJ	BN	8355	51	ES		1230	32.02	-.010							1.0

**July 12 2017 Hour: 3:46 20.9 Lat: 38.44N Lon: 7.78W Depth: 0 Agency: IGL Regional
 Magnitudes: 1.1ML IGL Rms: 0.1 secs**

NW PORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	77	210	EP		346	33.15	-.160							1.0
MESJ	HE	77	210	ES		346	42.450	.070							1.0
MESJ	HE	77	210	IAML		346	43.22			7	0.1				
MORF	HZ	148	212	EP		346	44.710	.100							1.0

**July 12 2017 Hour: 6:45 59.9 Lat: 36.57N Lon: 7.80W Depth: 16F 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
MESJ	HZ	146	345	EP		646	21.79	-.060							1.0
MESJ	HN	146	345	ES		646	37.970	.060							1.0
MESJ	HN	146	345	IAML		646	39.66			2	0.1				

**July 12 2017 Hour: 9: 8 18.2 Lat: 35.39S Lon: 73.23W Depth: 10F Agency: IGL Distant
 Magnitudes: 5.3Ms IGL Rms: 0.1 secs**

OFFSHORE MAULE, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10442	46	EPP			925	21.40	-.130							1.0
MORF	BZ10442	46	IAMs_20		10	3	16.93			1114	21.7				
MESJ	BZ10511	46	EP			921	38.57	-.020							1.0
MESJ	BZ10511	46	EPP			925	26.22	-.050							1.0
MESJ	BE10511	46	IAMs_20		10	2	46.12			851	17.7				
GGNV	BZ10516	45	EPP			925	26.810	.200							1.0
GGNV	BZ10516	45	IAMs_20		10	5	35.76			1862	28.9				

**July 12 2017 Hour: 18:15 32.0 Lat: 36.22N Lon: 10.78W Depth: 25F Agency: IGL Regional
 Magnitudes: 2.1ML IGL Rms: 0.0 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	225	57	EP		1816	3.05	-.020							1.0
MORF	HE	225	57	ES		1816	25.790	.020							1.0
MORF	HE	225	57	IAML		1816	27.83			12	0.2				

**July 12 2017 Hour: 19:48 8.8 Lat: 40.86N Lon: 131.69E Depth:559F Agency: IGL Distant
 Magnitudes: 5.8Mb IGL Rms: 0.1 secs**

SEA OF JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10395	329	EP			20	0	25.020	.020						1.0
MESJ	BZ10395	329	IAmb			20	0	25.35		128	1.5				
MESJ	BZ10395	329	EPP			20	4	19.320	.060						1.0
MESJ	BN10395	329	ESKSac			2010	5.36	-.080							1.0

July 12 2017 Hour: 23:25 27.5 Lat: 37.31N Lon: 8.63W Depth: 12F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.2 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	253	EP		2325	29.31	-.280							1.0
MORF	HN	2	253	ES		2325	31.160	.070							1.0
MORF	HE	2	253	IAML		2325	31.46			41	0.1				
MESJ	HZ	69	32	EP		2325	38.790	.120							1.0
MESJ	HE	69	32	ES		2325	46.890	.090							1.0
MESJ	HE	69	32	IAML		2325	47.97			2	0.1				

July 13 2017 Hour: 3:17 14.6 Lat: 36.61N Lon: 7.18W Depth: 31F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	152	301	EP		317	35.28	-.220							1.0
MORF	HE	152	301	ES		317	50.960	.180							1.0
MORF	HN	152	301	IAML		317	53.54			23	0.2				
MESJ	HZ	165	326	EP		317	37.070	.040							1.0

July 13 2017 Hour: 3:36 2.8 Lat: 4.43S Lon: 153.10E Depth: 10F Agency: IGL Distant
Magnitudes: 6.7Ms IGL Rms: 0.1 secs
NEW IRELAND REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15835	337	EPK	Pdf		355	34.76	-.150							1.0
GGNV	BZ15835	337	IAMs	20	5	1	51.03			14104	22.6				
MESJ	BZ15877	335	EPK	Pdf		355	35.650	.040							1.0
MESJ	BZ15877	335	IAMs	20	5	1	48.59			13766	29.3				
MORF	BZ15948	335	EPK	Pdf		355	36.880	.110							1.0
MORF	BZ15948	335	IAMs	20	456		46.82			11937	10.5				

July 13 2017 Hour: 8:18 37.0 Lat: 37.14N Lon: 15.46W Depth: 24F 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	604	86	EP		819	54.57	-.110							1.0
MORF	HN	604	86	ES		820	51.500	.100							1.0
MORF	HN	604	86	IAML		820	55.83			9	0.2				
MESJ	HZ	645	81	EP		819	59.610	.050							1.0
MESJ	HE	645	81	ES		820	59.80	-.040							1.0
MESJ	HN	645	81	IAML		821	2.70			4	0.3				

July 13 2017 Hour: 13:33 56.2 Lat: 36.84N Lon: 8.68W Depth: 5F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	52	3	EP		1334	4.620	.070							1.0
MORF	HE	52	3	ES		1334	10.64	-.020							1.0
MORF	HN	52	3	IAML		1334	14.32			4	0.2				
MESJ	HN	118	20	ES		1334	28.96	-.040							1.0
MESJ	HN	118	20	IAML		1334	30.51			1	0.1				

July 13 2017 Hour: 21:1 21.3 Lat: 35.51N Lon: 1.65W Depth: 30F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.0 secs
NORTHERN ALGERIA Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	641	296	EP		21	2	43.01	-.040						1.0
MESJ	HN	641	296	ES		21	3	42.70	-.020						1.0
MESJ	HN	641	296	IAML		21	3	48.98		44	0.5				
MORF	HZ	659	290	EP		21	2	45.250	.070						1.0

July 14 2017 Hour: 11:21 5.6 Lat: 36.97N Lon: 8.90W Depth: 16F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	31	EP		1121	12.76	-.110							1.0
MORF	HN	43	31	ES		1121	18.270	.050							1.0
MORF	HN	43	31	IAML		1121	19.16			13	0.1				
MESJ	HZ	114	32	EP		1121	23.41	-.070							1.0
MESJ	HN	114	32	ES		1121	36.700	.140							1.0
MESJ	HN	114	32	IAML		1121	37.44			9	0.2				

July 14 2017 Hour: 12:0 29.9 Lat: 33.75S Lon: 72.55W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.0 secs

OFFSHORE VALPARAISO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10272	46	EP			1213	40.42	-.050							1.0
MORF	BZ10272	46	IAMs_20			1256	45.70			1670	24.2				
MESJ	BZ10340	46	EP			1213	43.270	.050							1.0
MESJ	BN10340	46	ESKSac			1224	17.03	-.000							1.0
MESJ	BE10340	46	IAMs_20			1256	15.59			960	16.0				

July 14 2017 Hour: 15:50 20.1 Lat: 36.75N Lon: 7.46W Depth: 25F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	123	300	ES		1550	51.970	.000							1.0
MORF	HN	123	300	IAML		1550	53.16			8	0.2				
MESJ	HZ	138	331	EP		1550	40.44	-.010							1.0
MESJ	HN	138	331	ES		1550	55.310	.010							1.0
MESJ	HE	138	331	IAML		1550	57.12			2	0.1				

July 14 2017 Hour: 19:4 33.6 Lat: 37.24N Lon: 7.50W Depth: 1 Agency: IGL Regional
Rms: 0.0 secs

NW CASTRO MARIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	92	316	EP		19 4	48.44	-.050							1.0
MORF	HZ	102	274	EP		19 4	50.220	.050							1.0

July 15 2017 Hour: 12:12 21.4 Lat: 0.40N Lon: 122.03E Depth: 114F Agency: IGL Distant
Rms: 0.1 secs

MINAHASA, SULAWESI, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13413	315	EPP			1232	27.50	-.070							1.0
MORF	BZ13474	315	EPP			1232	31.470	.070							1.0

July 15 2017 Hour: 20:30 17.2 Lat: 34.78N Lon: 25.40E Depth: 15F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

CRETE, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3023	286	EP		2036	0.270	.090							1.0
MESJ	BZ	3023	286	IAMB		2036	6.84			85	1.0				
MESJ	BE	3023	286	ES		2040	39.35	-.050							1.0
MORF	BZ	3065	285	EP		2036	3.60	-.090							1.0
MORF	BZ	3065	285	IAMB		2036	16.31			247	2.5				
MORF	BE	3065	285	ES		2040	45.51	-.040							0.0
GGNV	BZ	3098	288	EP		2036	6.240	.000							1.0
GGNV	BZ	3098	288	IAMB		2036	13.67			109	0.8				
GGNV	BE	3098	288	ES		2040	50.090	.040							1.0

July 16 2017 Hour: 0:9 13.5 Lat: 37.29N Lon: 8.50W Depth: 15F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.2 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	277	EP		0	9	16.56	-	.270					1.0
MORF	HE	14	277	ES		0	9	19.370	.130						1.0
MORF	HN	14	277	IAML		0	9	20.23			20	0.1			
MESJ	HZ	66	22	EP		0	9	24.330	.130						1.0
MESJ	HN	66	22	ES		0	9	32.010	.020						1.0
MESJ	HN	66	22	IAML		0	9	33.61			4	0.1			

July 16 2017 Hour: 1:31 40.1 Lat: 37.90N Lon: 8.42W Depth: 5F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

W ALJUSTREL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	19	111	EP		131	43.25	-	.030						1.0
MESJ	HE	19	111	ES		131	45.620	.040							1.0
MESJ	HE	19	111	IAML		131	45.93				109	0.1			
MORF	HZ	69	197	EP		131	51.31	-	.010						1.0
MORF	HN	69	197	ES		131	59.50	-	.000						1.0
MORF	HN	69	197	IAML		132	3.55				43	0.2			

July 16 2017 Hour: 4:20 24.5 Lat: 37.35N Lon: 8.78W Depth: 6F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

NE ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	114	EP		420	26.69	-	.090						1.0
MORF	HE	12	114	ES		420	28.460	.030							1.0
MORF	HN	12	114	IAML		420	29.08				33	0.1			
MESJ	HZ	74	42	EP		420	36.460	.040							1.0
MESJ	HE	74	42	ES		420	45.120	.020							1.0
MESJ	HN	74	42	IAML		420	46.27				2	0.1			

July 16 2017 Hour: 10:21 24.7 Lat: 36.49N Lon: 11.37W Depth: 23F 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	259	69	EP		1022	0.370	.030							1.0
MORF	HN	259	69	ES		1022	26.36	-	.030						1.0
MORF	HN	259	69	IAML		1022	27.95				2	0.1			

July 16 2017 Hour: 11:24 2.2 Lat: 36.24N Lon: 8.70W Depth: 17F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	2	EP		1124	20.740	.000							1.0
MORF	HE	118	2	ES		1124	34.300	.050							1.0
MORF	HN	118	2	IAML		1124	36.92				6	0.1			
MESJ	HN	183	13	ES		1124	47.97	-	.060						1.0
MESJ	HE	183	13	IAML		1124	50.58				2	0.1			

July 16 2017 Hour: 17:6 43.4 Lat: 20.44S Lon: 173.45W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms 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	BZ17503	33	EPKp _{df}			1726	38.920	.070							1.0
GGNV	BZ17503	33	IAMs ₂₀			1835	18.63			2052	23.2				
MESJ	BZ17630	33	EPKp _{df}			1726	40.410	.110							1.0
MESJ	BZ17630	33	IAMs ₂₀			1844	14.44			1440	16.9				
MORF	BZ17650	35	EPKp _{df}			1726	40.38	-	.180						1.0
MORF	BZ17650	35	IAMs ₂₀			1836	20.48			2219	24.9				

July 16 2017 Hour: 17:14 47.1 Lat: 37.30N Lon: 8.56W Depth: 10F 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	8	273	EP		1714	49.22	-.030							1.0
MORF	HE	8	273	ES		1714	50.84	0.010							1.0
MORF	HN	8	273	IAML		1714	51.32		62	0.2					
MESJ	HN	67	27	ES		1715	6.030	0.030							1.0
MESJ	HN	67	27	IAML		1715	6.97		2	0.2					

July 17 2017 Hour: 1:20 31.9 Lat: 20.39S Lon: 173.32W Depth: 10F Agency: IGL Distant
Magnitudes: 6.1Ms 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	BZ17491	33	EPK	Pab		140	58.50	-.010							1.0
GGNV	BZ17491	33	IAMs	20		248	50.87		3341	17.1					
MESJ	BZ17618	33	EPK	Pd \bar{f}		140	28.68	0.040							1.0
MESJ	BZ17618	33	EPK	Pab		141	3.43	-.070							1.0
MESJ	BZ17618	33	IAMs	20		247	48.22		1942	12.9					
MORF	BZ17637	35	EPK	Pd \bar{f}		140	29.08	0.180							1.0
MORF	BZ17637	35	EPK	Pab		141	4.17	-.140							1.0
MORF	BZ17637	35	IAMs	20		250	5.66		2626	22.2					

July 17 2017 Hour: 3:28 34.7 Lat: 36.56N Lon: 11.05W Depth: 8F 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	229	68	EP		329	7.75	-.030							1.0
MORF	HE	229	68	ES		329	31.90	-.060							1.0
MORF	HN	229	68	IAML		329	32.85		8	0.3					
MESJ	HZ	289	60	EP		329	15.16	0.010							1.0
MESJ	HE	289	60	ES		329	44.81	0.100							1.0
MESJ	HN	289	60	IAML		329	45.78		2	0.1					

July 17 2017 Hour: 4:37 21.7 Lat: 35.57N Lon: 1.66W Depth: 29F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

NORTHERN ALGERIA Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	638	295	EP		438	43.17	0.100							1.0
MORF	HZ	656	289	EP		438	45.18	-.100							1.0

July 17 2017 Hour: 9:29 37.6 Lat: 36.70N Lon: 9.74W Depth: 17F 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	118	55	EP		929	56.07	-.010							1.0
MORF	HE	118	55	ES		930	9.54	-.010							1.0
MORF	HN	118	55	IAML		930	10.20		9	0.1					
MESJ	HZ	185	46	EP		930	4.400	0.020							1.0
MESJ	HN	185	46	ES		930	23.92	0.000							1.0
MESJ	HN	185	46	IAML		930	24.87		4	0.2					

July 17 2017 Hour: 11:5 10.1 Lat: 54.58N Lon: 168.65E Depth: 7F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

KOMANDORSKIYE OSTROVA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9670	358	EP		1117	55.700	0.060							1.0
GGNV	BN	9670	358	ESK	Sac	1128	23.300	0.030							1.0
GGNV	BN	9670	358	IAMs	20	1159	2.96		17973	30.2					
MESJ	BZ	9765	358	EP		1117	59.81	0.030							1.0
MESJ	BN	9765	358	ESK	Sac	1128	28.46	-.110							1.0
MESJ	BZ	9765	358	IAMs	20	1158	35.39		10484	23.6					
MORF	BZ	9825	358	EP		1118	2.32	-.100							1.0

MORF BN 9825 358 ESKSac 1128 32.050.080 1.0
MORF BZ 9825 358 IAMs_20 1159 51.90 11503 21.7

July 17 2017 Hour: 12:10 38.3 Lat: 36.51N Lon: 7.81W Depth: 8F 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	320	EP		1210	56.77	-.020							1.0
MORF	HN	116	320	ES		1211	10.340	.080							1.0
MORF	HE	116	320	IAML		1211	11.60			7	0.1				
MESJ	HZ	152	346	EP		1211	1.75	-.100							1.0
MESJ	HN	152	346	ES		1211	19.050	.030							1.0
MESJ	HN	152	346	IAML		1211	21.84				3				

July 17 2017 Hour: 23:34 15.2 Lat: 54.47N Lon: 168.81E Depth: 10F Agency: IGL Distant
Magnitudes: 7.7Ms IGL Rms: 0.1 secs

KOMANDORSKIYE OSTROVA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9682	358	EP		2347	0.810	.020							1.0
GGNV	BN	9682	358	ESKSac		2357	28.210	.020							1.0
GGNV	BN	9682	358	IAMs_20		2417	16.21			750000	49.6				
MESJ	BZ	9777	358	EP		2347	4.69	-.240							1.0
MESJ	BE	9777	358	ESKSac		2357	33.680	.180							1.0
MESJ	BZ	9777	358	IAMs_20		2417	30.03			700000	48.3				
MORF	BZ	9838	358	EP		2347	7.55	-.010							1.0
MORF	BE	9838	358	ESKSac		2357	36.910	.030							1.0
MORF	BZ	9838	358	IAMs_20		2418	7.35			730000	44.4				

July 18 2017 Hour: 2: 5 21.0 Lat: 16.40S Lon: 73.60W Depth: 44F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.0 secs

NEAR COAST OF SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9025	47	EP		217	31.880	.020							1.0
MORF	BZ	9025	47	IAMB		217	33.43			421	1.2				
GGNV	BZ	9062	46	EP		217	33.530	.010							1.0
GGNV	BZ	9062	46	IAMB		217	34.21			123	1.0				
MESJ	BZ	9087	47	EP		217	34.70	-.040							1.0
MESJ	BZ	9087	47	IAMB		217	35.59			211	1.1				

July 18 2017 Hour: 6:40 32.9 Lat: 36.35N Lon: 9.84W Depth: 30F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	150	45	EP		640	54.420	.080							1.0
MORF	HE	150	45	ES		641	9.95	-.050							1.0
MORF	HN	150	45	IAML		641	10.83			27	0.1				
MESJ	HZ	219	41	EP		641	2.91	-.020							1.0
MESJ	HN	219	41	ES		641	24.86	-.010							1.0
MESJ	HN	219	41	IAML		641	26.17			9	0.1				

July 18 2017 Hour: 13:47 40.4 Lat: 32.31N Lon: 7.86W Depth: 0 Agency: IGL Regional
Magnitudes: 0.0 IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	559	353	EP		1348	54.91	-.030							1.0

July 18 2017 Hour: 14:53 7.9 Lat: 36.72N Lon: 6.90W Depth: 31F 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	169	293	ES		1453	47.70	-.000							1.0
MORF	HN	169	293	IAML		1453	49.34			7	0.3				
MESJ	HZ	171	317	EP		1453	31.03	-.050							1.0
MESJ	HN	171	317	ES		1453	48.080	.050							1.0

MESJ HN 171 317 IAML 1453 49.30 3 0.1

**July 19 2017 Hour: 0:54 2.5 Lat: 12.90N Lon: 58.05E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 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	7068	306	EP		1	4	33.060	.070						1.0
MESJ	BZ	7068	306	IAMB		1	4	33.44		14	0.8				

**July 19 2017 Hour: 12:16 25.4 Lat: 17.44S Lon: 66.40E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.0 secs**

MAURITIUS - REUNION REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9898	310	EP		1229	20.26	-.060							1.0
MESJ	BN	9898	310	ESKsac		1239	49.320	.050							1.0
MESJ	BE	9898	310	IAMS_20		1310	22.10		2153	19.3					
MORF	BE	9910	310	ESKsac		1239	50.020	.010							1.0
MORF	BN	9910	310	IAMS_20		13	9	6.08	2740	17.4					

**July 19 2017 Hour: 12:42 10.3 Lat: 37.95N Lon: 8.97W Depth: 8F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs**

W SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	67	100	EP		1242	21.240	.010							1.0
MESJ	HN	67	100	ES		1242	29.12	-.070							1.0
MESJ	HN	67	100	IAML		1242	31.85		7	0.1					
MORF	HZ	77	159	EP		1242	22.850	.040							1.0
MORF	HE	77	159	ES		1242	31.960	.030							1.0
MORF	HN	77	159	IAML		1242	34.44		6	0.2					

**July 19 2017 Hour: 13:31 35.0 Lat: 12.21N Lon: 58.61W Depth: 10F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs**

BARBADOS REGION, WINDWARD ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5684	52	EP		1340	37.700	.000							1.0
MORF	BZ	5684	52	IAMB		1340	38.32		13	0.9					

**July 19 2017 Hour: 21:26 9.2 Lat: 36.26N Lon: 7.94W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	132	331	EP		2126	27.54	-.120							1.0
MESJ	HZ	177	352	EP		2126	33.360	.160							1.0
MESJ	HE	177	352	ES		2126	50.70	-.030							1.0
MESJ	HN	177	352	IAML		2126	52.22		9	0.2					

**July 19 2017 Hour: 23:22 28.4 Lat: 23.87S Lon: 69.18W Depth: 96F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs**

ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9336	44	EP		2334	47.690	.020							1.0
MESJ	BZ	9336	44	IAMB		2334	49.71		19	1.0					
MESJ	BE	9336	44	ESKsac		2345	0.76	-.020							1.0

**July 20 2017 Hour: 0:11 25.1 Lat: 37.42N Lon: 141.59E Depth: 34F Agency: IGL Distant
Magnitudes: 5.9Ms 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
GGNV	BZ11072	337	EPP			029	8.620	.030							1.0
GGNV	BN11072	337	IAMS_20			1	7	48.38	9690	50.6					
MESJ	BZ11129	336	EPdif			025	6.870	.030							1.0
MESJ	BZ11129	336	EPP			029	12.500	.010							1.0
MESJ	BN11129	336	ESS			043	34.80	-.010							1.0
MESJ	BZ11129	336	IAMS_20			112	18.56		5414	28.1					

MORF BZ11199 336 EPP 029 17.25-.050 1.0
MORF BZ11199 336 IAmS_20 111 56.22 4328 25.3

July 20 2017 Hour: 8:45 30.1 Lat: 37.20N Lon: 14.14W Depth: 31F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	487	87	EP		846	32.370	.120							1.0
MORF	HN	487	87	ES		847	17.54-	.090							1.0
MORF	HN	487	87	IAML		847	19.66		27	0.1					
MESJ	HZ	528	80	EP		846	37.370	.170							1.0
MESJ	HN	528	80	ES		847	26.01-	.200							1.0
MESJ	HE	528	80	IAML		847	28.10		10	0.2					

July 20 2017 Hour: 22:31 12.3 Lat: 36.93N Lon: 27.42E Depth: 10F Agency: IGL Distant
Magnitudes: 6.7Ms IGL Rms: 0.0 secs

DODECANESE ISLANDS - TURKEY BORDER REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3139	283	EP		2237	5.410	.020							1.0
MESJ	BE	3139	283	ES		2241	52.27-	.020							1.0
MESJ	BN	3139	283	IAmS_20		2251	25.56		179000	17.5					
MORF	BZ	3187	282	EP		2237	9.27-	.000							1.0
MORF	BN	3187	282	ES		2241	59.180	.040							1.0
MORF	BE	3187	282	IAmS_20		2251	43.36		160000	16.8					
GGNV	BZ	3205	285	EP		2237	10.640	.020							1.0
GGNV	BE	3205	285	ES		2242	1.46-	.070							1.0
GGNV	BZ	3205	285	IAmS_20		2251	26.96		92684	12.6					

July 21 2017 Hour: 5:25 2.9 Lat: 37.90N Lon: 9.06W Depth: 1 Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	74	95	EP		525	14.80-	.100							1.0
MESJ	HN	74	95	ES		525	23.57-	.070							1.0
MESJ	HN	74	95	IAML		525	24.74		3	0.1					
MORF	HN	75	151	ES		525	24.100	.170							1.0
MORF	HN	75	151	IAML		525	24.63		6	0.1					

July 22 2017 Hour: 6:29 50.5 Lat: 21.20S Lon: 69.26W Depth: 49F Agency: IGL Distant
Magnitudes: 5.0Mb 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
MESJ	BZ	9131	44	EP		642	5.740	.010							1.0
MESJ	BZ	9131	44	IAMB		642	6.35		20	1.1					

July 22 2017 Hour: 12:57 27.9 Lat: 33.77N Lon: 5.79W Depth: 31F Agency: IGL Regional
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	470	327	EP		1258	28.03-	.040							1.0
MESJ	HZ	502	335	EP		1258	31.940	.040							1.0

July 22 2017 Hour: 23:46 6.5 Lat: 36.26N Lon: 4.59W Depth: 44F Agency: IGL Regional
Magnitudes: 5.0Mb 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	367	300	EP		2346	54.630	.010							1.0

July 23 2017 Hour: 5:235.0 Lat: 36.10N Lon: 7.73W Depth: 37F 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	198	347	EP		5 3	2.300	.000							1.0

July 23 2017 Hour: 8:54 12.6 Lat: 37.57N Lon: 8.45W Depth: 5F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

E ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	35	211	EP		854	18.08	-.130							1.0
MORF	HE	35	211	ES		854	22.30	-.030							1.0
MORF	HN	35	211	IAML		854	23.18			16	0.1				
MESJ	HZ	36	34	EP		854	18.540	.070							1.0
MESJ	HN	36	34	ES		854	22.860	.090							1.0
MESJ	HE	36	34	IAML		854	23.49			9	0.0				

July 23 2017 Hour: 11:14 32.7 Lat: 36.95N Lon: 4.01W Depth: 31F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	385	286	EP		1115	22.48	-.030							1.0
MESJ	HN	385	286	ES		1115	58.920	.030							1.0
MESJ	HN	385	286	IAML		1116	0.62			3	0.2				

July 23 2017 Hour: 15:35 41.2 Lat: 40.05N Lon: 143.44E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms 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
MESJ	BZ10922	338	EP			1549	18.480	.070							1.0
MESJ	BZ10922	338	EPP			1553	18.230	.160							1.0
MESJ	BN10922	338	ESKSac			1559	56.37	-.010							1.0
MESJ	BN10922	338	IAMs_20			1638	30.72			2429	21.6				
MORF	BZ10991	338	EPP			1553	22.66	-.230							1.0
MORF	BZ10991	338	IAMs_20			1637	52.92			2071	15.7				

July 23 2017 Hour: 16:28 49.0 Lat: 36.78N Lon: 5.49W Depth: 14F 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	269	297	EP		1629	26.540	.030							1.0

July 24 2017 Hour: 20:52 42.7 Lat: 36.96N Lon: 4.90W Depth: 8F 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	310	289	EP		2053	25.880	.050							1.0

July 24 2017 Hour: 23:29 28.6 Lat: 36.92N Lon: 8.71W Depth: 25F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	7	EP		2329	36.34	-.030							1.0
MORF	HN	43	7	ES		2329	42.040	.010							1.0
MORF	HN	43	7	IAML		2329	42.81			22	0.1				
MESJ	HN	111	23	ES		2329	57.900	.010							1.0
MESJ	HN	111	23	IAML		2329	58.68			8	0.4				

July 25 2017 Hour: 2:44 21.1 Lat: 37.37N Lon: 8.53W Depth: 0 Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.3 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	236	EP		244	22.70	-.510							1.0
MORF	HN	13	236	ES		244	24.890	.130							1.0
MORF	HN	13	236	IAML		244	25.66			671	0.1				
MESJ	HZ	59	28	EP		244	30.640	.050							1.0
MESJ	HN	59	28	ES		244	37.870	.350							1.0
MESJ	HN	59	28	IAML		244	41.26			39	0.2				

July 26 2017 Hour: 3:34 30.2 Lat: 36.43N Lon: 9.83W Depth: 28F 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	143	47	EP		334	51.040	.110							1.0
MORF	HE	143	47	ES		335	5.95	-.110							1.0
MORF	HN	143	47	IAML		335	6.79			11	0.1				
MESJ	HZ	212	42	EP		334	59.45	-.020							1.0
MESJ	HN	212	42	ES		335	20.860	.020							1.0
MESJ	HN	212	42	IAML		335	22.34			6	0.2				

July 26 2017 Hour: 4:30 58.9 Lat: 37.30N Lon: 4.56W Depth: 11F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	328	282	EP		431	43.95	-.080							1.0
MORF	HZ	362	271	EP		431	48.370	.080							1.0

July 26 2017 Hour: 9: 4 30.3 Lat: 36.48N Lon: 9.68W Depth: 13F 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	129	45	EP		9 4	50.54	-.060							1.0
MORF	HE	129	45	ES		9 5	5.420	.040							1.0
MORF	HN	129	45	IAML		9 5	6.99			5	0.2				
MESJ	HE	199	40	ES		9 5	20.290	.020							1.0
MESJ	HN	199	40	IAML		9 5	21.06			2	0.2				

July 26 2017 Hour: 10: 6 23.1 Lat: 0.97N Lon: 122.69E Depth:404FAgency: IGL Distant
Rms: 0.0 secs

MINAHASA, SULAWESI, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13419	316	EPK	pdf		1024	27.310	.010							1.0
MORF	BZ13481	316	EPK	pdf		1024	28.40	-.010							1.0

July 26 2017 Hour: 10:32 57.2 Lat: 26.92N Lon: 130.19E Depth: 10F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.1 secs

SOUTHEAST OF RYUKYU ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11618	328	EPP			1051	20.72	-.090							1.0
GGNV	BE11618	328	IAMs_20			1131	54.70			9409	19.4				
MESJ	BZ11647	327	EPdif			1047	3.14	-.030							1.0
MESJ	BZ11647	327	EPP			1051	22.68	-.040							1.0
MESJ	BE11647	327	ESKSac			1057	43.360	.060							1.0
MESJ	BN11647	327	ESS			11 6	16.670	.090							1.0
MESJ	BN11647	327	IAMs_20			1132	58.57			5158	23.3				
MORF	BZ11717	327	EPP			1051	27.470	.010							1.0
MORF	BN11717	327	IAMs_20			1133	7.56			6295	29.5				

July 27 2017 Hour: 0:53 41.0 Lat: 36.27N Lon: 9.38W Depth: 31F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 132 29 EP 053 59.450.050 1.0
 MORF HE 132 29 ES 054 12.76-.090 1.0
 MORF HE 132 29 IAML 054 14.07 134 0.1
 MESJ HZ 202 30 EP 054 8.180.050 1.0

July 27 2017 Hour: 3:37 15.4 Lat: 39.91N Lon: 12.86W Depth: 33F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HE 464 118 ES 338 59.280.010 1.0
 MESJ HE 464 118 IAML 339 2.50 5 0.3
 MORF HZ 467 127 EP 338 15.86-.010 1.0

July 27 2017 Hour: 12: 8 39.3 Lat: 3.54S Lon: 126.07E Depth: 14F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.0 secs
BURU, INDONESIA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ14038 315 EPP 1229 34.91-.040 1.0
 MESJ BN14038 315 ESS 1246 38.540.040 1.0
 MESJ BN14038 315 IAMs_20 1320 32.12 495 18.5

July 27 2017 Hour: 17:53 24.2 Lat: 13.38N Lon: 49.37W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms 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 BZ 4827 49 EP 18 1 26.870.090 1.0
 MORF BN 4827 49 ES 18 7 55.660.000 1.0
 MORF BN 4827 49 IAMs_20 1811 58.02 11001 30.5
 GGNV BZ 4849 47 EP 18 1 28.380.080 1.0
 GGNV BN 4849 47 ES 18 7 58.38-.030 1.0
 GGNV BZ 4849 47 IAMs_20 1818 4.53 16763 16.5
 MESJ BZ 4885 49 EP 18 1 30.92-.010 1.0
 MESJ BN 4885 49 ES 18 8 3.05-.140 1.0
 MESJ BN 4885 49 IAMs_20 1812 24.38 10624 26.1

July 28 2017 Hour: 6:25 28.3 Lat: 36.98N Lon: 13.44W Depth: 31F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 472 77 EP 626 28.57-.090 1.0
 MESJ HE 472 77 ES 627 12.780.090 1.0
 MESJ HN 472 77 IAML 627 17.45 7 0.1

July 29 2017 Hour: 3:34 44.5 Lat: 37.33N Lon: 8.48W Depth: 11F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs
NE MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 16 260 EP 334 47.47-.130 1.0
 MORF HN 16 260 ES 334 50.030.150 1.0
 MORF HE 16 260 IAML 334 50.75 33 0.1
 MESJ HZ 61 22 EP 334 54.44-.010 1.0

July 29 2017 Hour: 7: 7 50.5 Lat: 36.69N Lon: 4.10W Depth: 68F 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 387 291 EP 7 8 40.980.010 1.0

July 29 2017 Hour: 12:30 32.7 Lat: 35.82N Lon: 4.68W Depth: 25F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	388	306	EP		1231	24.00	-.030							1.0
MESJ	HN	388	306	ES		1232	1.47	-.000							1.0
MESJ	HN	388	306	IAML		1232	3.69			4	0.2				
MORF	HZ	392	296	EP		1231	24.64	-.000							1.0
MORF	HN	392	296	ES		1232	2.570	.040							1.0
MORF	HE	392	296	IAML		1232	5.10			11	0.2				

July 30 2017 Hour: 2:45 50.5 Lat: 37.80N Lon: 9.29W Depth: 5F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	79	134	EP		246	3.310	.030							1.0
MESJ	HZ	94	87	EP		246	5.71	-.070							1.0
MESJ	HN	94	87	ES		246	16.940	.040							1.0
MESJ	HN	94	87	IAML		246	18.36			4	0.2				

July 30 2017 Hour: 4:28 1.6 Lat: 36.84N Lon: 7.42W Depth: 27F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	296	EP		428	19.67	-.040							1.0
MESJ	HZ	132	328	EP		428	21.030	.040							1.0
MESJ	HN	132	328	ES		428	35.12	-.000							1.0
MESJ	HN	132	328	IAML		428	36.20			3	0.1				

July 30 2017 Hour: 6:35 50.7 Lat: 36.78N Lon: 14.19W Depth: 17F Agency: IGL Regional
Magnitudes: 3.0ML 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	496	82	EP		636	55.970	.050							1.0
MORF	HE	496	82	ES		637	43.53	-.010							1.0
MORF	HE	496	82	IAML		637	47.34			40	0.2				
MESJ	HZ	542	76	EP		637	1.34	-.130							1.0
MESJ	HE	542	76	ES		637	53.240	.090							1.0
MESJ	HN	542	76	IAML		637	57.12			18	0.3				

July 30 2017 Hour: 21:0 48.2 Lat: 46.21N Lon: 150.95E Depth: 86F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.0 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10475	344	EP			2113	57.27	-.000							1.0
MESJ	BZ10475	344	EPP			2117	45.38	-.010							1.0
MESJ	BN10475	344	ESKSac			2124	24.450	.010							1.0
MESJ	BZ10475	344	IAMs_20			2148	58.57			1808	44.4				

July 31 2017 Hour: 17:1 16.9 Lat: 35.76N Lon: 4.93W Depth: 63F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	373	309	EP		17 2	5.58	-.020							1.0
MESJ	HN	373	309	ES		17 2	41.280	.150							1.0
MESJ	HN	373	309	IAML		17 2	43.16			17	0.2				
MORF	HZ	375	298	EP		17 2	5.66	-.130							1.0
MORF	HE	375	298	ES		17 2	41.480	.000							1.0
MORF	HE	375	298	IAML		17 2	45.93			18	0.1				

July 31 2017 Hour: 21:29 11.6 Lat: 34.39N Lon: 24.01E Depth: 20F Agency: IGL Distant
Magnitudes: 4.3Ms IGL Rms: 0.1 secs
CRETE, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2913	287	EP		2134	44.950	.090							1.0
MESJ	BN	2913	287	ES		2139	16.63	-.220							1.0
MESJ	BZ	2913	287	IAMs_20		2147	18.40			858	22.3				
MORF	BE	2954	286	ES		2139	22.930	.130							1.0
MORF	BE	2954	286	IAMs_20		2148	20.24			927	19.9				

July 31 2017 Hour: 23:16 56.1 Lat: 36.99N Lon: 3.55W Depth: 12F Agency: IGL Regional
Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	424	284	EP		2317	52.89	-.090							1.0
MORF	HZ	455	276	EP		2317	56.800	.090							1.0

August 1 2017 Hour: 4:23 31.2 Lat: 36.87N Lon: 4.21W Depth: 44F 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	371	288	EP		424	19.810	.050							1.0

August 1 2017 Hour: 6:13 54.0 Lat: 28.55S Lon: 68.71W Depth: 85F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.0 secs
LA RIOJA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9608	44	EP		626	26.860	.010							1.0
MORF	BZ	9608	44	IAmb		626	28.95			123	1.3				
MESJ	BZ	9675	44	EP		626	29.72	-.010							1.0
MESJ	BZ	9675	44	IAmb		626	31.22			164	1.4				

August 1 2017 Hour: 9:40 1.4 Lat: 6.05S Lon: 154.53E Depth: 430F Agency: IGL Distant
Rms: 0.1 secs
BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16105	336	EPKP			958	48.580	.140							1.0
MORF	BZ16176	336	EPKP			958	50.83	-.140							1.0

August 2 2017 Hour: 0:16 11.3 Lat: 13.48N Lon: 49.41W Depth: 10F Agency: IGL Distant
Magnitudes: 4.7Ms IGL Rms: 0.0 secs
NORTH ATLANTIC OCEAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4881	49	EP		024	17.70	-.050							1.0
MESJ	BN	4881	49	ES		030	49.830	.050							1.0
MESJ	BN	4881	49	IAMs_20		034	59.22			1070	21.6				

August 2 2017 Hour: 3:15 24.8 Lat: 37.31N Lon: 8.54W Depth: 14F Agency: IGL Regional
Magnitudes: 0.9ML 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	10	266	EP		315	27.680	.070							1.0
MORF	HE	10	266	ES		315	29.61	-.060							1.0
MORF	HN	10	266	IAML		315	30.12			66	0.1				
MESJ	HN	65	26	ES		315	43.06	-.010							1.0
MESJ	HN	65	26	IAML		315	44.92			3	0.2				

August 2 2017 Hour: 14:48 33.4 Lat: 35.99N Lon: 4.68W Depth: 27F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	376	304	EP		1449	23.110	.040							1.0
MESJ	HN	376	304	ES		1449	59.29-	.080							1.0
MESJ	HN	376	304	IAML		1450	0.66			7	0.1				
MORF	HE	384	294	ES		1450	1.110	.040							1.0
MORF	HE	384	294	IAML		1450	4.85			18	0.2				

August 2 2017 Hour: 20:23 17.3 Lat: 36.82N Lon: 7.29W Depth: 3F 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	133	294	EP		2023	38.540	.000							1.0
MORF	HN	133	294	ES		2023	53.96-	.110							1.0
MORF	HN	133	294	IAML		2023	55.38			27	0.1				
MESJ	HN	140	324	ES		2023	56.090	.110							1.0
MESJ	HN	140	324	IAML		2023	58.50			14	0.2				

August 3 2017 Hour: 9:17 55.0 Lat: 41.18N Lon: 6.94W Depth: 4F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

E TORRE DE MONCORVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	387	197	EP		918	48.08-	.030							1.0
MESJ	HE	387	197	ES		919	26.900	.030							1.0
MESJ	HN	387	197	IAML		919	31.08			8	0.4				

August 3 2017 Hour: 14:57 14.7 Lat: 41.19N Lon: 6.96W Depth: 1 Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

NE TORRE DE MONCORVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	387	197	EP		1458	8.200	.070							1.0
MESJ	HE	387	197	ES		1458	47.280	.110							1.0
MESJ	HE	387	197	IAML		1459	6.48			9	0.3				
MORF	HZ	455	199	EP		1458	16.43-	.100							1.0
MORF	HE	455	199	ES		1459	1.60-	.100							1.0
MORF	HN	455	199	IAML		1459	7.50			7	0.5				

August 3 2017 Hour: 22:51 46.0 Lat: 36.90N Lon: 8.18W Depth: 6F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	104	358	EP		2252	2.820	.040							1.0
MESJ	HN	104	358	ES		2252	15.02-	.040							1.0
MESJ	HN	104	358	IAML		2252	17.75			4	0.1				

August 4 2017 Hour: 3:24 27.0 Lat: 34.90N Lon: 5.38W Depth: 6F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	414	323	EP		325	23.24-	.020							1.0
MESJ	HE	414	323	ES		326	4.350	.020							1.0
MESJ	HN	414	323	IAML		326	6.95			6	0.1				

August 4 2017 Hour: 4: 8 32.8 Lat: 36.55N Lon: 7.30W Depth: 18F 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	165	331	EP		4 8	56.940	.010							1.0
MESJ	HN	165	331	ES		4 9	14.58-	.010							1.0
MESJ	HN	165	331	IAML		4 9	16.59			3					

August 4 2017 Hour: 10:43 21.1 Lat: 36.38N Lon: 7.67W Depth: 16F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	135	320	EP		1043	41.79	-.030							1.0
MORF	HN	135	320	ES		1043	56.950	.030							1.0
MORF	HN	135	320	IAML		1043	58.93			9	0.2				

August 4 2017 Hour: 21:41 45.6 Lat: 35.60N Lon: 3.72W 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	473	303	EP		2142	49.63	-.050							1.0

August 6 2017 Hour: 0:15 16.4 Lat: 10.27S Lon: 161.48E Depth: 72F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.1 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16811	343	EPKP			034	54.580	.080							1.0
MESJ	BZ16811	343	IAMs_20			144	35.70			321	12.8				
MORF	BZ16880	343	EPKP			034	55.41	-.080							1.0
MORF	BZ16880	343	IAMs_20			140	29.32			3008	62.2				

August 6 2017 Hour: 1:5 42.9 Lat: 36.53N Lon: 8.39W Depth: 10F 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	89	345	EP		1 5	57.240	.030							1.0
MORF	HE	89	345	ES		1 6	7.720	.080							1.0
MORF	HN	89	345	IAML		1 6	9.92			43	0.2				
MESJ	HZ	146	6	EP		1 6	5.31	-.180							1.0
MESJ	HN	146	6	ES		1 6	22.050	.070							1.0
MESJ	HN	146	6	IAML		1 6	24.03			17	0.2				

August 6 2017 Hour: 10:37 18.7 Lat: 36.50N Lon: 9.84W Depth: 38F 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	HN	138	49	ES		1037	53.26	-.030							1.0
MORF	HN	138	49	IAML		1037	54.37			8	0.1				
MESJ	HZ	207	44	EP		1037	47.12	-.020							1.0
MESJ	HN	207	44	ES		1038	7.970	.050							1.0
MESJ	HN	207	44	IAML		1038	9.18			3	0.3				

August 6 2017 Hour: 11:58 4.3 Lat: 38.85N Lon: 8.19W Depth: 7F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

SW MORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	112	181	EP		1158	22.27	-.020							1.0
MESJ	HN	112	181	ES		1158	35.410	.020							1.0
MESJ	HN	112	181	IAML		1158	36.75			2	0.1				

August 6 2017 Hour: 13:48 23.7 Lat: 36.67N Lon: 9.70W Depth: 19F 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	117	53	EP		1348	41.950	.060							1.0
MORF	HE	117	53	ES		1348	55.10	-.050							1.0
MORF	HN	117	53	IAML		1348	56.33			9	0.1				
MESJ	HZ	185	45	EP		1348	50.300	.020							1.0
MESJ	HE	185	45	ES		1349	9.63	-.030							1.0
MESJ	HN	185	45	IAML		1349	11.78			5	0.1				

August 7 2017 Hour: 3:25 13.8 Lat: 36.60N Lon: 6.04W 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
MESJ	HZ	237	306	EP		325	46.00	-.000							1.0
MESJ	HN	237	306	ES		326	9.47	-.060							1.0
MESJ	HN	237	306	IAML		326	10.09			6	0.1				
MORF	HN	245	289	ES		326	11.390	.060							1.0
MORF	HN	245	289	IAML		326	13.21			9	0.2				

August 7 2017 Hour: 6:26 41.1 Lat: 5.40S Lon: 151.56E Depth: 34F 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
MESJ	BZ15899	333	EP	KPdf		646	10.460	.040							1.0
MESJ	BZ15899	333	EPP			649	20.020	.030							1.0
MESJ	BZ15899	333	IAMs	_20		752	55.11			1368	16.8				
MORF	BZ15970	333	EP	KPdf		646	11.51	-.070							1.0
MORF	BZ15970	333	IAMs	_20		754	0.45			1286	17.5				

August 7 2017 Hour: 11:1 27.8 Lat: 36.62N Lon: 10.63W Depth: 27F Agency: IGL Regional
Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	192	66	EP		11 1	54.660	.030							1.0
MESJ	HZ	253	57	EP		11 2	2.18	-.030							1.0

August 8 2017 Hour: 7:42 20.4 Lat: 37.00N Lon: 27.63E Depth: 1F Agency: IGL Distant
Magnitudes: 4.7Ms IGL Rms: 0.0 secs

WESTERN TURKEY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3155	283	EP		748	16.230	.010							1.0
MESJ	BE	3155	283	ES		753	5.07	-.050							1.0
MESJ	BN	3155	283	IAMs	_20	8 2	34.54			1455	15.1				
MORF	BZ	3203	282	EP		748	20.09	-.030							1.0
MORF	BE	3203	282	ES		753	12.060	.070							1.0
MORF	BE	3203	282	IAMs	_20	8 2	52.43			1351	15.4				

August 8 2017 Hour: 13:19 49.5 Lat: 33.19N Lon: 103.86E Depth: 9F Agency: IGL Distant
Magnitudes: 7.2Ms IGL Rms: 0.1 secs

SICHUAN-GANSU BORDER REGION, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9478	313	EP		1332	26.47	-.130							1.0
MESJ	BZ	9478	313	EPP		1335	43.780	.100							1.0
MESJ	BN	9478	313	ES	KSac	1342	50.730	.070							1.0
MESJ	BN	9478	313	IAMs	_20	14 6	33.24			151000	26.7				
GGNV	BZ	9480	314	EP		1332	26.54	-.090							1.0
GGNV	BN	9480	314	ES	KSac	1342	50.900	.190							1.0
GGNV	BN	9480	314	IAMs	_20	14 7	1.78			91252	20.6				
MORF	BZ	9545	312	EP		1332	29.45	-.210							0.9
MORF	BZ	9545	312	EPP		1335	48.57	-.050							1.0
MORF	BN	9545	312	ES	KSac	1342	54.710	.130							1.0
MORF	BN	9545	312	IAMs	_20	14 6	36.30			116000	27.1				

August 8 2017 Hour: 13:40 16.3 Lat: 36.66N Lon: 9.74W Depth: 17F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	120	53	EP		1340	35.01	-.030							1.0
MORF	HN	120	53	ES		1340	48.74	-.010							1.0
MORF	HN	120	53	IAML		1340	50.40			6	0.1				
MESJ	HN	188	45	ES		1341	3.260	.040							1.0
MESJ	HE	188	45	IAML		1341	4.46			1	0.1				

August 8 2017 Hour: 14: 2 0.3 Lat: 36.33N Lon: 8.14W Depth: 10F 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
MESJ	HZ	168	358	EP		14	2	25.59							1.0
MESJ	HN	168	358	ES		14	2	44.040							1.0
MESJ	HN	168	358	IAML		14	2	45.21		11	0.2				

August 8 2017 Hour: 23:27 54.3 Lat: 44.32N Lon: 82.84E Depth: 25F Agency: IGL Distant
Magnitudes: 6.6Ms 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	7279	300	EP		2338	35.440	0.030							1.0
MESJ	BZ	7279	300	EPP		2340	59.530	0.040							1.0
MESJ	BN	7279	300	ES		2347	19.23	-0.200							0.9
MESJ	BN	7279	300	IAMs_20		24	4	8.94		40456	20.2				
GGNV	BZ	7283	301	EP		2338	35.700	0.090							1.0
GGNV	BZ	7283	301	EPP		2340	59.830	0.040							1.0
GGNV	BN	7283	301	ES		2347	19.810	0.010							1.0
GGNV	BN	7283	301	IAMs_20		24	7	23.44		46503	27.3				
MORF	BZ	7346	299	EP		2338	39.25	-0.100							1.0
MORF	BZ	7346	299	EPP		2341	4.860	0.090							1.0
MORF	BN	7346	299	ES		2347	26.82	-0.040							1.0
MORF	BN	7346	299	IAMs_20		24	4	16.09		38595	21.3				

August 9 2017 Hour: 1:45 35.7 Lat: 35.57N Lon: 3.61W Depth: 17F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	483	303	EP		146	39.25	-0.000							1.0
MESJ	HE	483	303	ES		147	25.630	0.000							1.0
MESJ	HN	483	303	IAML		147	30.77			12	0.5				

August 9 2017 Hour: 3:30 39.8 Lat: 36.87N Lon: 4.90W Depth: 3F 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	313	291	EP		331	23.950	0.010							1.0

August 9 2017 Hour: 5:40 42.4 Lat: 52.57N Lon: 169.19W Depth: 47F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9826	15	EP		553	29.060	0.070							1.0
MESJ	BZ	9826	15	IAMB		553	41.49			63	1.7				
MORF	BZ	9876	15	EP		553	31.13	-0.070							1.0
MORF	BZ	9876	15	IAMB		553	33.87			110	1.4				

August 9 2017 Hour: 5:48 29.1 Lat: 52.54N Lon: 169.20W Depth: 42F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9829	15	EP		6	1	16.34							1.0
MESJ	BZ	9829	15	IAMB		6	1	23.41		22	1.1				
MORF	BZ	9880	15	EP		6	1	18.750							1.0
MORF	BZ	9880	15	IAMB		6	1	19.83		40	1.0				

August 9 2017 Hour: 16:51 37.9 Lat: 36.09N Lon: 10.62W Depth: 31F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	222	52	EP		1652	7.560	.060							1.0
MORF	HN	222	52	ES		1652	29.120	.040							1.0
MORF	HN	222	52	IAML		1652	31.50			127	0.1				
MESJ	HZ	289	47	EP		1652	15.62	-.200							1.0
MESJ	HN	289	47	ES		1652	43.570	.100							1.0
MESJ	HN	289	47	IAML		1652	46.68			63	0.2				

August 10 2017 Hour: 0:58 50.5 Lat: 37.16N Lon: 8.36W Depth: 11F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

SE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	31	302	EP		058	55.67	-.100							1.0
MORF	HE	31	302	ES		058	59.650	.040							1.0
MORF	HN	31	302	IAML		059	0.54			17	0.1				
MESJ	HZ	76	9	EP		059	2.890	.070							1.0

August 10 2017 Hour: 1:14 57.5 Lat: 37.16N Lon: 8.37W Depth: 17F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

SE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	30	303	EP		115	2.78	-.230							1.0
MORF	HE	30	303	ES		115	7.030	.030							1.0
MORF	HN	30	303	IAML		115	8.09			33	0.0				
MESJ	HZ	77	10	EP		115	9.970	.110							1.0
MESJ	HE	77	10	ES		115	18.960	.100							1.0
MESJ	HN	77	10	IAML		115	20.32			7	0.1				

August 11 2017 Hour: 2:38 34.4 Lat: 39.26N Lon: 15.79E Depth: 227F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.0 secs

SOUTHERN ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2093	273	EP		242	37.280	.010							1.0
MESJ	BZ	2093	273	IAMB		242	37.87			22	1.0				

August 11 2017 Hour: 4:53 18.2 Lat: 36.04N Lon: 8.59W Depth: 30F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	140	358	EP		453	38.33	-.120							1.0
MORF	HN	140	358	ES		453	53.20	-.060							1.0
MORF	HN	140	358	IAML		453	54.65			2	0.3				
MESJ	HZ	202	9	EP		453	46.240	.120							1.0
MESJ	HE	202	9	ES		454	6.600	.070							1.0
MESJ	HN	202	9	IAML		454	7.74			1	0.1				

August 11 2017 Hour: 5:12 14.5 Lat: 36.50N Lon: 9.75W Depth: 23F 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	132	47	EP		512	34.530	.000							1.0
MORF	HE	132	47	ES		512	49.08	-.060							1.0
MORF	HN	132	47	IAML		512	50.47			5	0.2				
MESJ	HE	201	42	ES		513	3.970	.060							1.0
MESJ	HN	201	42	IAML		513	5.14			2	0.1				

August 11 2017 Hour: 5:28 26.4 Lat: 14.01N Lon: 120.71E Depth:168F Agency: IGL Distant
Rms: 0.1 secs

MINDORO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12202	319	EP	dif		542	34.63	-.130							1.0
MESJ	BZ12202	319	EPP			547	10.590	.090							1.0
MESJ	BN12202	319	ESS			6 2	21.72	-.040							1.0
GGNV	BZ12208	320	EP	dif		542	34.990	.020							1.0
GGNV	BZ12208	320	EPP			547	10.84	-.010							1.0
GGNV	BN12208	320	ESS			6 2	22.450	.030							1.0
MORF	BZ12268	319	EP	dif		542	37.470	.010							1.0
MORF	BZ12268	319	EPP			547	14.860	.020							1.0

August 11 2017 Hour: 11:11 24.5 Lat: 36.53N Lon: 7.55W Depth: 10F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	131	311	EP		1111	45.03	-.080							1.0
MESJ	HZ	157	338	EP		1111	48.610	.140							1.0
MESJ	HN	157	338	ES		1112	5.88	-.070							1.0
MESJ	HE	157	338	IAML		1112	6.81			3	0.2				

August 11 2017 Hour: 21:36 8.1 Lat: 36.59N Lon: 4.41W Depth: 85F 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	366	293	EP		2136	55.880	.120							1.0
MESJ	HN	366	293	ES		2137	30.55	-.010							1.0
MESJ	HE	366	293	IAML		2137	32.46			5	0.2				
MORF	HZ	386	283	EP		2136	58.17	-.060							1.0
MORF	HE	386	283	ES		2137	34.79	-.040							1.0
MORF	HN	386	283	IAML		2137	36.18			10	0.1				

August 11 2017 Hour: 21:45 9.3 Lat: 16.30S Lon: 73.47W Depth: 41F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.0 secs

NEAR COAST OF SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9008	47	EP		2157	19.680	.010							1.0
MORF	BZ	9008	47	IAMs_20		2232	20.94			1171	18.9				
GGNV	BZ	9044	46	EP		2157	21.400	.070							1.0
GGNV	BZ	9044	46	IAMs_20		2234	35.10			1083	13.8				
MESJ	BZ	9069	47	EP		2157	22.49	-.070							1.0
MESJ	BE	9069	47	ES		22 7	31.71	-.010							1.0
MESJ	BZ	9069	47	IAMs_20		2232	10.07			1016	19.6				

August 12 2017 Hour: 0: 3 36.5 Lat: 36.10N Lon: 9.81W Depth: 37F Agency: IGL Regional
Magnitudes: 2.3ML 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	169	37	EP		0 4	0.25	-.000							1.0
MORF	HE	169	37	ES		0 4	17.59	-.030							1.0
MORF	HN	169	37	IAML		0 4	19.86			53	0.2				
MESJ	HZ	239	36	EP		0 4	8.94	-.020							1.0
MESJ	HN	239	36	ES		0 4	32.730	.050							1.0
MESJ	HE	239	36	IAML		0 4	34.27			12	0.1				

August 12 2017 Hour: 6:42 32.4 Lat: 36.48N Lon: 11.22W Depth: 24F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	246	67	EP		643	6.220	.000							1.0
MORF	HN	246	67	ES		643	30.90	-.030							1.0
MORF	HN	246	67	IAML		643	32.13			17	0.2				

MESJ HZ	306	60	EP	643	13.55-	.060											1.0
MESJ HN	306	60	ES	643	43.810	.090											1.0
MESJ HN	306	60	IAML	643	45.18				5	0.1							

August 12 2017 Hour: 12:54 13.7 Lat: 30.24S Lon: 72.16W Depth: 9F Agency: IGL Distant
Magnitudes: 5.7Ms 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	BZ	9975	46	EP		13	7	12.07-							1.0
MORF	BZ	9975	46	IAMs_20		1347		0.25		3130	22.4				
GGNV	BZ10041	44	EP			13	7	14.870							1.0
GGNV	BE10041	44	IAMs_20			1348		35.46		3351	24.8				
MESJ	BZ10043	45	EP			13	7	14.87-							1.0
MESJ	BN10043	45	ESKSac			1317		45.890							1.0
MESJ	BZ10043	45	IAMs_20			1347		10.79		2346	18.2				

August 12 2017 Hour: 15:59 28.5 Lat: 20.03S Lon: 71.05W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

OFFSHORE TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9171	45	EP		1611		51.06-							1.0
MESJ	BZ	9171	45	IAMB		1611		53.76		42	1.6				

August 12 2017 Hour: 22:58 59.1 Lat: 41.16N Lon: 6.95W Depth: 0 Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

E TORRE DE MONCORVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	384	197	EP		2259		52.370							1.0
MESJ	HN	384	197	ES		23	0	31.240							1.0
MESJ	HN	384	197	IAML		23	0	32.37		2	0.2				
MORF	HZ	453	199	EP		23	0	0.71-							1.0

August 13 2017 Hour: 0:59 36.5 Lat: 36.40N Lon: 7.92W Depth: 16F Agency: IGL Regional
Magnitudes: 0.8ML 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	120	327	EP		059		55.320							1.0
MESJ	HN	162	351	ES		1	0	18.02-							1.0
MESJ	HE	162	351	IAML		1	0	18.43		1.00	0.1				

August 13 2017 Hour: 3: 8 11.1 Lat: 3.79S Lon: 101.60E Depth: 35F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

SOUTHERN SUMATRA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12016	308	EPdif			322		27.700							1.0
MESJ	BZ12016	308	EPP			326		56.85-							1.0
MESJ	BN12016	308	ESS			342		8.35-							1.0
MESJ	BZ12016	308	IAMs_20			419		37.80		7555	24.8				
MORF	BZ12063	308	EPdif			322		29.560							1.0
MORF	BZ12063	308	EPP			326		59.92-							1.0
MORF	BZ12063	308	IAMs_20			419		38.66		5410	18.7				
GGNV	BZ12079	310	EPdif			322		30.120							1.0
GGNV	BZ12079	310	EPP			327		0.96-							1.0
GGNV	BE12079	310	IAMs_20			4	9	17.24		9905	28.4				

August 13 2017 Hour: 11:16 52.9 Lat: 37.13N Lon: 27.71E Depth: 4F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

WESTERN TURKEY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3159	282	EP		1122		48.49-							1.0
MESJ	BZ	3159	282	IAMB		1122		52.10		31	1.2				
MESJ	BE	3159	282	ES		1127		37.380							1.0

August 13 2017 Hour: 12:11 58.9 Lat: 36.38N Lon: 9.73W Depth: 32F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	141	43	EP		1212	19.17	-.020							1.0
MORF	HN	141	43	ES		1212	34.010	.050							1.0
MORF	HN	141	43	IAML		1212	35.38			54	0.2				
MESJ	HZ	210	39	EP		1212	27.77	-.050							1.0
MESJ	HN	210	39	ES		1212	48.920	.020							1.0
MESJ	HN	210	39	IAML		1212	51.25			23	0.2				

August 13 2017 Hour: 12:45 22.8 Lat: 36.57N Lon: 7.65W Depth: 23F 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	121	313	EP		1245	41.25	-.110							1.0
MORF	HE	121	313	ES		1245	55.050	.120							1.0
MORF	HE	121	313	IAML		1245	55.88			6	0.2				
MESJ	HZ	150	340	EP		1245	44.86	-.040							1.0
MESJ	HN	150	340	ES		1246	1.090	.030							1.0
MESJ	HE	150	340	IAML		1246	3.68			3	0.1				

August 13 2017 Hour: 16:51 23.2 Lat: 10.71S Lon: 74.58W Depth: 25F Agency: IGL Distant
Magnitudes: 5.6Ms 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	8680	48	EP		17 3	19.810	.120							1.0
MORF	BE	8680	48	ES		1713	12.38	-.110							1.0
MORF	BN	8680	48	IAMs_20		1727	18.32			6198	37.5				
MESJ	BZ	8738	48	EP		17 3	22.680	.130							1.0
MESJ	BN	8738	48	ES		1713	17.91	-.140							1.0
MESJ	BN	8738	48	IAMs_20		1727	41.17			3338	26.1				

August 14 2017 Hour: 0:19 19.4 Lat: 48.80N Lon: 27.81W Depth: 10F Agency: IGL Distant
Magnitudes: 4.6Ms 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
GGNV	BZ	1866	120	EP		023	14.710	.070							1.0
GGNV	BZ	1866	120	IAMs_20		037	41.80			3464	14.4				
MESJ	BZ	1991	120	EP		023	28.810	.020							1.0
MESJ	BZ	1991	120	IAMs_20		038	18.38			3090	17.0				
MORF	BZ	2006	122	EP		023	30.37	-.090							1.0
MORF	BZ	2006	122	IAMs_20		037	46.16			3183	29.9				

August 14 2017 Hour: 1:29 42.2 Lat: 35.74N Lon: 1.75W Depth: 13F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.0 secs

NORTHERN ALGERIA Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	623	294	EP		131	3.090	.000							1.0
MESJ	HN	623	294	ES		132	2.10	-.020							1.0
MESJ	HN	623	294	IAML		132	7.03			8	0.3				
MORF	HZ	642	288	EP		131	5.500	.020							1.0

August 14 2017 Hour: 2:43 48.5 Lat: 37.13N Lon: 27.73E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

WESTERN TURKEY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3161	282	EP		249	43.340	.000							1.0
MESJ	BZ	3161	282	IAMB		249	49.09			108	1.8				

August 14 2017 Hour: 6:42 51.6 Lat: 36.55N Lon: 7.61W Depth: 25F 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	125	312	EP		643	10.08	-.180							1.0
MESJ	HZ	153	339	EP		643	13.800	.090							1.0
MESJ	HN	153	339	ES		643	29.970	.090							1.0
MESJ	HN	153	339	IAML		643	30.87			6	0.2				

August 14 2017 Hour: 11:27 45.3 Lat: 36.95N Lon: 8.66W Depth: 28F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	39	1	EP		1127	52.69	-.050							1.0
MORF	HN	39	1	ES		1127	58.240	.050							1.0
MORF	HN	39	1	IAML		1127	59.17			3	0.1				

August 14 2017 Hour: 16:49 44.2 Lat: 37.58N Lon: 7.91W Depth: 2F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

NE ALMODOVAR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	40	317	EP		1649	50.660	.050							1.0
MESJ	HE	40	317	ES		1649	55.17	-.120							1.0
MESJ	HE	40	317	IAML		1649	55.37			727	0.2				
MORF	HZ	73	245	EP		1649	55.970	.080							1.0

August 15 2017 Hour: 6:1 44.8 Lat: 14.80S Lon: 173.07W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

SAMOA ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17074	28	EPK	Pdf		621	35.02	-.010							1.0
MESJ	BZ17074	28	EPP			625	29.350	.110							1.0
MESJ	BN17074	28	ESS			645	5.41	-.100							1.0
MESJ	BZ17074	28	IAMS_20			723	3.78			2193	22.4				

August 15 2017 Hour: 10:16 38.4 Lat: 39.02N Lon: 9.14W Depth: 18F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.1 secs

NE SOBRAL DE MONTE AGRACO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	34	181	EP		1016	44.36	-.110							1.0
GGNV	HN	34	181	ES		1016	49.120	.250							1.0
GGNV	HN	34	181	IAML		1016	50.12			3775	0.4				
MESJ	HZ	154	148	EPg		1017	2.39	-.030							0.9
MESJ	HE	154	148	ESg		1017	19.89	-.040							0.9
MESJ	HE	154	148	IAML		1017	22.25			137	0.2				
MORF	HZ	195	167	EP		1017	6.34	-.080							0.9
MORF	HN	195	167	ES		1017	26.850	.000							0.9
MORF	HN	195	167	IAML		1017	35.71			123	0.1				

August 15 2017 Hour: 10:22 13.3 Lat: 39.01N Lon: 9.11W Depth: 20F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

NW ARRUDA DOS VINHOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	33	186	EP		1022	19.11	-.190							1.0
GGNV	HE	33	186	ES		1022	23.750	.040							1.0
GGNV	HN	33	186	IAML		1022	24.78			1486	0.3				
MESJ	HZ	151	149	EP		1022	35.60	-.000							0.9
MESJ	HZ	151	149	EPg		1022	36.85	-.070							0.9
MESJ	HE	151	149	ESg		1022	54.430	.240							0.9
MESJ	HE	151	149	IAML		1022	56.87			65	0.2				

August 15 2017 Hour: 14:50 43.0 Lat: 35.59N Lon: 5.78E Depth: 10F Agency: IGL Distant
Magnitudes: 4.1Ms IGL Rms: 0.1 secs

NORTHERN ALGERIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	1274	285	EP		1453	26.66	-.100							1.0
MESJ	BN	1274	285	ES		1455	36.110	.100							1.0
MESJ	BN	1274	285	IAMs_20		1456	57.61			2246	20.6				

August 16 2017 Hour: 2:27 31.0 Lat: 45.52N Lon: 27.88W Depth: 10F Agency: IGL Distant
Magnitudes: 4.7Ms IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1718	109	EP		231	9.020	.010							1.0
GGNV	BE	1718	109	IAMs_20		235	31.78			5052	19.6				
MESJ	BZ	1839	111	EP		231	23.090	.010							1.0
MESJ	BN	1839	111	ES		234	27.77	-.060							1.0
MESJ	BZ	1839	111	IAMs_20		235	49.75			5796	28.2				
MORF	BZ	1841	113	EP		231	23.38	-.020							1.0
MORF	BE	1841	113	ES		234	28.490	.050							1.0
MORF	BZ	1841	113	IAMs_20		235	37.55			5186	21.9				

August 16 2017 Hour: 8:24 44.4 Lat: 37.94N Lon: 8.78W Depth: 10F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

E SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	51	103	EP		824	52.71	-.040							1.0
MESJ	HE	51	103	ES		824	58.860	.040							1.0
MESJ	HN	51	103	IAML		825	0.22			14	0.1				

August 16 2017 Hour: 12:51 23.8 Lat: 28.65N Lon: 127.92E Depth: 196F Agency: IGL Distant
Rms: 0.1 secs

NORTHWEST OF RYUKYU ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11336	327	EPP			13 9	8.350	.050							1.0
MESJ	BZ11362	326	EPdif			13 4	55.69	-.110							1.0
MESJ	BZ11362	326	EPP			13 9	10.110	.000							1.0
MORF	BZ11433	326	EPdif			13 4	58.760	.100							1.0
MORF	BZ11433	326	EPP			13 9	14.84	-.040							1.0

August 16 2017 Hour: 15:53 29.5 Lat: 36.48N Lon: 24.66E Depth: 103F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.1 secs

SOUTHERN GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2910	283	EP		1558	54.09	-.150							1.0
MESJ	BZ	2910	283	IAMB		1559	4.77			17	0.6				
MESJ	BE	2910	283	ES		16 3	19.520	.150							1.0

August 17 2017 Hour: 6:44 58.9 Lat: 39.02N Lon: 9.12W Depth: 19F Agency: IGL Regional
Magnitudes: 4.4ML IGL Rms: 0.1 secs

NE SOBRAL DE MONTE AGRACO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	34	184	EP		645	4.90	-.130							1.0
GGNV	HN	34	184	ES		645	9.47	-.020							1.0
GGNV	HN	34	184	IAML		645	10.33			88526	0.4				
MESJ	HZ	153	149	EP		645	21.44	-.080							0.9
MESJ	HZ	153	149	EPg		645	22.780	.000							0.9
MESJ	HN	153	149	ES		645	38.090	.070							0.9
MESJ	HE	153	149	ESg		645	40.290	.100							0.9
MESJ	HE	153	149	IAML		645	42.85			3707	0.3				
MORF	HZ	195	168	EP		645	26.72	-.050							0.9
MORF	HN	195	168	ES		645	47.220	.120							0.9
MORF	HE	195	168	IAML		646	1.96			1920	0.3				

August 17 2017 Hour: 9: 6 56.8 Lat: 39.00N Lon: 9.07W Depth: 6F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.2 secs

NE ARRUDA DOS VINHOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	32	192	ES		9 7	6.060	.110							1.0
GGNV	HN	32	192	IAML		9 7	7.51			340	0.4				
MESJ	HZ	149	150	EP		9 7	19.88	-.240							0.9
MESJ	HE	149	150	ES		9 7	37.260	.120							0.9
MESJ	HN	149	150	IAML		9 7	40.16			8	0.1				

August 17 2017 Hour: 9:15 37.2 Lat: 36.65N Lon: 7.30W Depth: 15F Agency: IGL Regional
Magnitudes: 3.5ML 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	141	301	EP		915	58.770	.090							1.0
MORF	HN	141	301	ES		916	14.530	.180							1.0
MORF	HN	141	301	IAML		916	19.21			855	0.1				
MESJ	HZ	155	329	EP		916	0.27	-.190							1.0
MESJ	HN	155	329	ES		916	17.34	-.090							1.0
MESJ	HN	155	329	IAML		916	22.87			450	0.2				

August 17 2017 Hour: 9:35 38.0 Lat: 36.64N Lon: 7.42W Depth: 1 Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	132	304	EP		935	59.300	.010							1.0
MORF	HE	132	304	ES		936	14.84	-.010							1.0
MORF	HN	132	304	IAML		936	18.74			10	0.3				

August 18 2017 Hour: 2:59 26.0 Lat: 1.16S Lon: 13.70W Depth: 30F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

NORTH OF ASCENSION ISLANDS Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4292	6	EP		3 6	46.10	-.070							1.0
MORF	BZ	4292	6	IAMs_20		320	42.83			50992	34.7				
MESJ	BZ	4356	7	EP		3 6	50.92	-.050							1.0
MESJ	BN	4356	7	IAMs_20		321	26.17			42192	20.1				
GGNV	BZ	4442	6	EP		3 6	57.450	.120							1.0
GGNV	BZ	4442	6	IAMs_20		322	48.00			31078	17.2				

August 18 2017 Hour: 5:15 14.8 Lat: 17.04N Lon: 100.26W Depth: 27F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

GUERRERO, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9050	53	EP		527	29.02	-.010							1.0
MESJ	BZ	9050	53	IAMB		527	30.63			25	1.0				

August 18 2017 Hour: 6:49 24.3 Lat: 36.58N Lon: 9.63W Depth: 14F 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	118	47	EP		649	43.080	.100							1.0
MORF	HN	118	47	ES		649	56.50	-.090							1.0
MORF	HN	118	47	IAML		649	57.81			14	0.3				
MESJ	HZ	188	41	EP		649	51.59	-.100							1.0
MESJ	HN	188	41	ES		650	11.760	.090							1.0
MESJ	HE	188	41	IAML		650	12.73			6	0.1				

August 18 2017 Hour: 14:159.3 Lat: 37.06N Lon: 8.08W Depth: 1 Agency: IGL Regional
Magnitudes: 2.0ML 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	298	EP		14	2	8.49	-.150						1.0
MORF	HN	58	298	ES		14	2	15.460	.030						1.0
MORF	HN	58	298	IAML		14	2	17.50		64	0.1				
MESJ	HZ	87	352	EP		14	2	13.450	.010						1.0
MESJ	HE	87	352	ES		14	2	23.850	.120						1.0
MESJ	HE	87	352	IAML		14	2	25.53		45	0.2				

August 18 2017 Hour: 18:324.3 Lat: 35.24N Lon: 6.01W Depth: 23F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	330	315	EP		18	4	8.65	-.210						1.0
MORF	HN	330	315	ES		18	4	41.30	-.090						1.0
MORF	HE	330	315	IAML		18	4	43.20		9	0.1				
MESJ	HZ	350	326	EP		18	4	11.540	.250						1.0
MESJ	HN	350	326	ES		18	4	45.670	.060						1.0
MESJ	HN	350	326	IAML		18	4	47.92		9	0.2				

August 19 2017 Hour: 2:051.0 Lat: 17.96S Lon: 178.85W Depth: 538F Agency: IGL Distant
Rms: 0.1 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17522	21	EP	KPab		220	20.650	.010							1.0
GGNV	BZ17522	21	EPP			224	2.16	-.020							1.0
MESJ	BZ17645	21	EP	KPdf		219	46.12	-.150							1.0
MESJ	BZ17645	21	EP	KPab		220	25.680	.170							0.9
MESJ	BZ17645	21	EPP			224	8.190	.030							1.0
MORF	BZ17682	22	EP	KPab		220	27.090	.070							1.0
MORF	BZ17682	22	EPP			224	9.87	-.120							1.0

August 19 2017 Hour: 16:3854.0 Lat: 36.51N Lon: 9.78W Depth: 10F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	134	48	EP		1639	15.090	.000							1.0
MORF	HN	134	48	ES		1639	30.550	.090							1.0
MORF	HE	134	48	IAML		1639	31.98			39	0.1				
MESJ	HZ	202	43	EP		1639	23.50	-.110							1.0
MESJ	HN	202	43	ES		1639	45.220	.020							1.0
MESJ	HE	202	43	IAML		1639	48.00			16	0.2				

August 20 2017 Hour: 1:2758.2 Lat: 36.60N Lon: 9.75W Depth: 18F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	51	EP		128	17.480	.010							1.0
MORF	HN	125	51	ES		128	31.620	.070							1.0
MORF	HN	125	51	IAML		128	34.91			3	0.1				
MESJ	HZ	193	44	EP		128	25.82	-.080							1.0

August 20 2017 Hour: 2:136.8 Lat: 37.96N Lon: 8.96W Depth: 0 Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

W SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	66	101	EP		213	17.51	-.020							1.0
MESJ	HN	66	101	ES		213	25.34	-.010							1.0
MESJ	HN	66	101	IAML		213	26.94			2	0.1				
MORF	HZ	78	159	EP		213	19.370	.030							1.0

August 20 2017 Hour: 4:49 41.3 Lat: 33.62N Lon: 4.24W Depth: 0 Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	591	324	EP		450	59.53	-.100							1.0
MESJ	HN	591	324	ES		451	56.91	0.100							1.0
MESJ	HN	591	324	IAML		451	58.10			0.70	0.1				

August 20 2017 Hour: 5:5 6.5 Lat: 36.77N Lon: 8.42W Depth: 11F 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	63	341	EP		5	5	16.70	-.020						1.0
MORF	HE	63	341	ES		5	5	24.28	0.060						1.0
MORF	HE	63	341	IAML		5	5	26.95		4595	0.2				
MESJ	HZ	120	8	EP		5	5	25.32	-.050						1.0
MESJ	HN	120	8	ES		5	5	39.33	0.150						1.0
MESJ	HN	120	8	IAML		5	5	42.01		535	0.2				
GGNV	HZ	225	344	EP		5	5	38.60	-.170						0.9
GGNV	HN	225	344	ES		5	6	2.38	0.020						0.9
GGNV	HN	225	344	IAML		5	6	15.58		298	0.4				

August 20 2017 Hour: 10:46 55.7 Lat: 38.08N Lon: 8.53W Depth: 13F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs
SE GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	38	134	EP		1047	2.11	-.020							1.0
MESJ	HE	38	134	ES		1047	6.85	-.000							1.0
MESJ	HN	38	134	IAML		1047	8.36			7	0.1				
MORF	HN	87	187	ES		1047	19.63	0.020							1.0
MORF	HN	87	187	IAML		1047	20.61			11	0.2				

August 20 2017 Hour: 10:57 2.2 Lat: 36.84N Lon: 8.39W Depth: 9F 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	57	336	EP		1057	11.42	-.020							1.0
MORF	HE	57	336	ES		1057	18.23	0.030							1.0
MORF	HE	57	336	IAML		1057	20.59			14	0.2				
MESJ	HN	112	8	ES		1057	32.98	-.010							1.0
MESJ	HN	112	8	IAML		1057	35.47			4	0.1				

August 20 2017 Hour: 16:8 14.3 Lat: 36.81N Lon: 8.40W Depth: 9F 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	59	338	EP		16	8	23.81	-0.16						1.0
MORF	HE	59	338	ES		16	8	31.14	0.10						1.0
MORF	HE	59	338	IAML		16	8	33.27		11	0.2				
MESJ	HN	115	8	ES		16	8	46.04	0.06						1.0
MESJ	HN	115	8	IAML		16	8	48.15		2	0.1				

August 20 2017 Hour: 23:29 2.4 Lat: 14.10N Lon: 91.60W Depth: 59F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.0 secs
GUATEMALA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8495	54	EP		2340	45.35	0.030							1.0
MESJ	BZ	8495	54	IAMS_20		2411	22.54			676	16.0				

August 21 2017 Hour: 3:10 14.9 Lat: 40.36N Lon: 0.96W Depth: 18F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	687	248	EP		311	43.00	-.110							1.0
MESJ	HE	687	248	ES		312	47.39	-.110							1.0
MESJ	HN	687	248	IAML		312	53.75			9	0.3				
MORF	HZ	748	245	EP		311	50.36	-.020							1.0
MORF	HE	748	245	ES		313	0.340	.260							1.0
MORF	HN	748	245	IAML		313	6.47			50	0.4				

August 21 2017 Hour: 3:28 4.9 Lat: 37.72N Lon: 8.98W Depth: 22F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	54	148	EP		328	13.85	-.230							1.0
MORF	HN	54	148	ES		328	20.900	.080							1.0
MORF	HN	54	148	IAML		328	22.44			134	0.2				
MESJ	HZ	68	79	EP		328	16.05	-.020							1.0
MESJ	HN	68	79	ES		328	24.420	.170							1.0
MESJ	HN	68	79	IAML		328	25.68			48	0.2				

August 21 2017 Hour: 9: 9 46.6 Lat: 37.32N Lon: 8.58W Depth: 12F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	255	EP		9	9	48.80	-.120						1.0
MORF	HE	7	255	ES		9	9	50.57	-.020						1.0
MORF	HN	7	255	IAML		9	9	51.08			95	0.2			
MESJ	HZ	66	29	EP		9	9	57.19	-.090						1.0
MESJ	HE	66	29	ES		910	5.280	.230							1.0
MESJ	HE	66	29	IAML		910	6.58			5	0.1				

August 21 2017 Hour: 13:41 10.4 Lat: 36.96N Lon: 10.95W Depth: 31F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	208	79	EP		1341	38.20	-.090							1.0
MORF	HE	208	79	ES		1341	58.750	.130							1.0
MORF	HN	208	79	IAML		1342	1.53			42	0.2				
MESJ	HZ	261	67	EP		1341	44.75	-.100							1.0
MESJ	HN	261	67	ES		1342	10.020	.060							1.0
MESJ	HN	261	67	IAML		1342	12.21			10	0.2				

August 21 2017 Hour: 13:59 32.5 Lat: 14.40N Lon: 93.05W Depth: 10F Agency: IGL Distant
Magnitudes: 4.9Ms 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	8573	55	EP		1411	26.010	.060							1.0
MORF	BZ	8573	55	IAMs_20		1441	9.25			1249	30.6				
MESJ	BZ	8602	54	EP		1411	27.32	-.060							1.0
MESJ	BZ	8602	54	IAMs_20		1439	24.04			622	24.7				

August 21 2017 Hour: 22:14 57.5 Lat: 36.88N Lon: 8.24W Depth: 27F 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	60	322	EP		2215	7.56	-.070							1.0
MORF	HN	60	322	ES		2215	14.97	-.030							1.0
MORF	HN	60	322	IAML		2215	16.31			35	0.1				
MESJ	HZ	107	1	EP		2215	13.910	.130							1.0
MESJ	HE	107	1	ES		2215	25.61	-.030							1.0
MESJ	HN	107	1	IAML		2215	28.49			18					

**August 21 2017 Hour: 22:46 33.6 Lat: 36.78N Lon: 11.19W Depth: 31F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	233	75	EP		2247	4.670	.030							1.0
MORF	HE	233	75	ES		2247	27.290	.010							1.0
MORF	HN	233	75	IAML		2247	29.37		3	0.2					
MESJ	HZ	288	65	EP		2247	11.34	-.130							1.0
MESJ	HN	288	65	ES		2247	39.180	.090							1.0
MESJ	HN	288	65	IAML		2247	40.50		1	0.1					

**August 22 2017 Hour: 6: 4 3.3 Lat: 36.57N Lon: 11.30W Depth: 26F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	250	70	EP		6 4	37.460	.000							1.0
MORF	HN	250	70	ES		6 5	2.380	.030							1.0
MORF	HN	250	70	IAML		6 5	6.17		5	0.1					
MESJ	HZ	308	62	EP		6 4	44.60	-.030							1.0

**August 22 2017 Hour: 8:42 5.4 Lat: 36.75N Lon: 9.52W Depth: 24F 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	99	51	EP		842	20.87	-.010							1.0
MORF	HN	99	51	ES		842	32.14	-.060							1.0
MORF	HN	99	51	IAML		842	32.61		3	0.1					
MESJ	HZ	167	43	EP		842	29.30	-.040							1.0
MESJ	HE	167	43	ES		842	46.950	.120							1.0
MESJ	HN	167	43	IAML		842	48.39		2	0.1					

**August 22 2017 Hour: 21:42 0.7 Lat: 34.51N Lon: 5.76W Depth: 3F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	405	321	ES		2143	36.890	.090							1.0
MORF	HN	405	321	IAML		2143	39.66		2	0.1					
MESJ	HZ	431	330	EP		2142	59.26	-.090							1.0

**August 22 2017 Hour: 22:40 30.7 Lat: 36.92N Lon: 8.94W Depth: 30F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	50	31	EP		2240	39.720	.090							1.0
MORF	HE	50	31	ES		2240	46.07	-.050							1.0
MORF	HN	50	31	IAML		2240	46.50		2	0.1					
MESJ	HN	120	32	ES		2241	1.41	-.040							1.0
MESJ	HN	120	32	IAML		2241	2.73		2	0.3					

**August 23 2017 Hour: 4:43 4.6 Lat: 37.32N Lon: 8.58W Depth: 18F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs**

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	255	EP		443	7.72	-.040							1.0
MORF	HE	7	255	ES		443	10.050	.010							1.0
MORF	HN	7	255	IAML		443	10.85		10	0.1					
MESJ	HE	66	29	ES		443	23.250	.040							1.0
MESJ	HN	66	29	IAML		443	23.78		1	0.2					

August 23 2017 Hour: 5:40 43.5 Lat: 36.68N Lon: 9.72W Depth: 14F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	54	EP		541	1.86	-.180							1.0
MORF	HN	118	54	ES		541	15.780	.220							1.0
MORF	HN	118	54	IAML		541	16.82			6	0.1				
MESJ	HZ	185	46	EP		541	10.52	-.060							1.0
MESJ	HN	185	46	ES		541	30.340	.010							1.0
MESJ	HN	185	46	IAML		541	31.25			3	0.2				

August 23 2017 Hour: 10:46 16.1 Lat: 36.78N Lon: 8.41W Depth: 10F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	62	340	EP		1046	26.19	-.080							1.0
MORF	HE	62	340	ES		1046	33.780	.100							1.0
MORF	HE	62	340	IAML		1046	36.04			30	0.2				
MESJ	HN	119	8	ES		1046	48.60	-.020							1.0
MESJ	HN	119	8	IAML		1046	50.86			5	0.3				

August 23 2017 Hour: 11:7 28.8 Lat: 36.79N Lon: 8.40W Depth: 7F 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	61	339	EP		117	38.67	-.060							1.0
MORF	HE	61	339	ES		117	46.060	.060							1.0
MORF	HN	61	339	IAML		117	48.84			11	0.2				
MESJ	HN	118	8	ES		118	1.22	-.000							1.0
MESJ	HN	118	8	IAML		118	2.56			1.00	0.1				

August 23 2017 Hour: 13:42 53.5 Lat: 36.20N Lon: 45.00E Depth: 8F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.1 secs

IRAN-IRAQ BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4675	289	EP		1350	45.47	-.010							1.0
MESJ	BZ	4675	289	IAMB		1350	47.33			289	2.3				
MESJ	BZ	4675	289	EPP		1352	22.780	.010							1.0
MESJ	BN	4675	289	ES		1357	5.810	.100							1.0
MORF	BZ	4727	288	EP		1350	49.26	-.110							1.0
MORF	BZ	4727	288	IAMB		1350	50.31			82	1.4				

August 23 2017 Hour: 16:51 15.2 Lat: 36.65N Lon: 7.25W Depth: 18F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	158	327	EP		1651	38.36	-.140							1.0
MESJ	HN	158	327	ES		1651	55.630	.140							1.0
MESJ	HN	158	327	IAML		1651	56.28			14	0.1				

August 24 2017 Hour: 0:46 38.6 Lat: 37.01N Lon: 5.34W Depth: 12F Agency: IGL Regional
Magnitudes: 0.0ML IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	271	291	EP		047	16.480	.000							1.0

August 24 2017 Hour: 9:47 20.4 Lat: 36.76N Lon: 8.41W Depth: 18F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	64	340	EP		947	30.81	-.090							1.0
MORF	HE	64	340	ES		947	38.53	-.040							1.0
MORF	HN	64	340	IAML		947	41.20			89	0.2				

MESJ HZ	121	8	EP	947	39.160.020													1.0
MESJ HE	121	8	ES	947	52.950.130													1.0
MESJ HN	121	8	IAML	947	56.06				26	0.1								

August 24 2017 Hour: 12:30 11.0 Lat: 32.24N Lon: 7.62W Depth: 11F Agency: IGL Regional 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	570	351	EP		1231	25.68	-.020							1.0

August 24 2017 Hour: 21: 6 16.3 Lat: 36.99N Lon: 10.22W Depth: 0 Agency: IGL Regional Magnitudes: 1.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HN	144	75	ES		21 6	56.290	.010							1.0
MORF HN	144	75	IAML		21 6	57.79			8	0.2				
MESJ HZ	201	61	EP		21 6	46.50	-.180							1.0
MESJ HN	201	61	ES		21 7	9.030	.170							1.0
MESJ HE	201	61	IAML		21 7	10.06			1	0.1				

August 24 2017 Hour: 21:35 57.7 Lat: 37.18N Lon: 9.12W Depth: 29F Agency: IGL Regional Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	44	71	EP		2136	5.800	.050							1.0
MORF HE	44	71	ES		2136	11.710	.070							1.0
MORF HN	44	71	IAML		2136	13.16			20	0.1				
MESJ HZ	108	47	EP		2136	13.77	-.210							1.0
MESJ HE	108	47	ES		2136	25.960	.080							1.0
MESJ HN	108	47	IAML		2136	27.76			2	0.2				

August 24 2017 Hour: 23:50 6.3 Lat: 36.78N Lon: 8.13W Depth: 24F Agency: IGL Regional Magnitudes: 1.9ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	75	322	EP		2350	18.490	.070							1.0
MORF HN	75	322	ES		2350	27.18	-.070							1.0
MORF HN	75	322	IAML		2350	28.56			42	0.2				
MESJ HZ	118	356	EP		2350	24.16	-.010							1.0
MESJ HE	118	356	ES		2350	37.210	.010							1.0
MESJ HE	118	356	IAML		2350	37.65			21	0.1				

August 25 2017 Hour: 8:37 8.0 Lat: 36.76N Lon: 7.47W Depth: 32F Agency: IGL Regional Magnitudes: 1.1ML 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 HE	121	300	ES		837	38.83	-.050							1.0
MORF HN	121	300	IAML		837	39.55			3	0.2				
MESJ HZ	137	331	EP		837	27.820	.050							1.0

August 25 2017 Hour: 14:59 0.0 Lat: 36.79N Lon: 10.60W Depth: 30F Agency: IGL Regional Magnitudes: 1.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	182	71	EP		1459	25.50	-.010							1.0
MORF HN	182	71	ES		1459	44.01	-.110							1.0
MORF HN	182	71	IAML		1459	44.76			6	0.2				
MESJ HN	241	60	ES		1459	56.780	.120							1.0
MESJ HN	241	60	IAML		1459	58.04			1	0.1				

August 26 2017 Hour: 5:41 25.9 Lat: 37.32N Lon: 8.61W Depth: 13F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	4	245	EP		541	28.00	-.210							1.0
MORF	HE	4	245	ES		541	29.970	.100							1.0
MORF	HN	4	245	IAML		541	30.57			212	0.2				
MESJ	HZ	67	31	EP		541	36.860	.070							1.0
MESJ	HN	67	31	ES		541	44.760	.050							1.0
MESJ	HN	67	31	IAML		541	48.09			4					

August 26 2017 Hour: 8:46 11.4 Lat: 37.66N Lon: 6.12W Depth: 11F 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	186	277	EP		846	38.930	.060							1.0
MESJ	HE	186	277	ESg		847	3.39	-.100							1.0
MESJ	HN	186	277	IAML		847	7.57			25	0.1				
MORF	HZ	228	261	EP		846	44.070	.040							1.0

August 26 2017 Hour: 21:50 58.9 Lat: 47.25S Lon: 160.02E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.0 secs

NORTH OF MACQUARIE ISLAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18581	227	EPK	pdf		2211	4.53	-.000							1.0
MESJ	BZ18581	227	EPP			2215	57.800	.000							1.0
MESJ	BZ18581	227	IAMs_20			2331	11.53			492	20.8				

August 26 2017 Hour: 23:14 18.2 Lat: 36.54N Lon: 4.47W Depth: 77F 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	363	295	EP		2315	5.750	.120							1.0
MESJ	HN	363	295	ES		2315	40.12	-.120							1.0
MESJ	HN	363	295	IAML		2315	41.94			19	0.2				
MORF	HZ	382	284	EP		2315	7.990	.060							1.0
MORF	HE	382	284	ES		2315	44.16	-.060							1.0
MORF	HN	382	284	IAML		2315	45.70			25	0.1				

August 27 2017 Hour: 0:5 19.8 Lat: 36.29N Lon: 8.08W Depth: 34F 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	124	336	EP		0	5	37.83	-.100						1.0
MESJ	HZ	172	356	EP		0	5	44.070	.110						1.0
MESJ	HE	172	356	ES		0	6	1.59	-.010						1.0
MESJ	HN	172	356	IAML		0	6	2.89		11	0.1				

August 27 2017 Hour: 3:40 52.0 Lat: 37.12N Lon: 8.87W Depth: 20F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NE VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	28	43	EP		340	57.52	-.010							1.0
MORF	HE	28	43	ES		341	1.49	-.040							1.0
MORF	HE	28	43	IAML		341	2.01			9	0.2				
MESJ	HZ	98	36	EP		341	7.61	-.040							1.0
MESJ	HE	98	36	ES		341	19.140	.100							1.0
MESJ	HE	98	36	IAML		341	20.05			4	0.2				

August 27 2017 Hour: 4:17 51.6 Lat: 1.45S Lon: 148.06E Depth: 8F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.1 secs

ADMIRALTY ISLANDS REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15332	332		EP		437	15.90	-.060							1.0
MESJ	BN15332	332		ESS		458	14.10	-.080							1.0
MESJ	BN15332	332		IAMs	20	530	10.90			3687	22.5				
MORF	BZ15403	332		EP		437	17.32	0.150							1.0
MORF	BN15403	332		IAMs	20	530	18.69			4826	21.9				

August 27 2017 Hour: 5:52 19.1 Lat: 36.26N Lon: 10.44W Depth: 17F Agency: IGL Regional
Magnitudes: 3.5ML 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	197	53	EP		552	47.46	0.020							1.0
MORF	HN	197	53	ES		553	7.91	-.200							1.0
MORF	HE	197	53	IAML		553	10.80			458	0.2				
MESJ	HZ	264	48	EP		552	55.58	-.130							1.0
MESJ	HN	264	48	ES		553	22.51	0.090							1.0
MESJ	HE	264	48	IAML		553	25.68			87	0.1				
GGNV	HZ	296	22	EP		552	59.62	0.010							1.0
GGNV	HE	296	22	ES		553	29.40	0.230							1.0
GGNV	HE	296	22	IAML		553	31.44			533	0.3				

August 27 2017 Hour: 9:31 28.0 Lat: 36.54N Lon: 7.60W Depth: 18F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	312	EP		931	47.45	-.040							1.0
MESJ	HZ	154	339	EP		931	51.02	0.100							1.0
MESJ	HN	154	339	ES		932	7.57	-.060							1.0
MESJ	HN	154	339	IAML		932	11.51			26	0.2				

August 27 2017 Hour: 11:53 14.7 Lat: 37.29N Lon: 8.57W Depth: 15F 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	8	282	EP		1153	17.34	-.100							1.0
MORF	HN	8	282	ES		1153	19.50	0.050							1.0
MORF	HN	8	282	IAML		1153	20.23			19	0.2				
MESJ	HZ	68	27	EP		1153	25.91	0.170							1.0
MESJ	HN	68	27	ES		1153	33.69	-.120							1.0
MESJ	HN	68	27	IAML		1153	34.55			2	0.1				

August 28 2017 Hour: 0:26 49.3 Lat: 39.80N Lon: 8.84W Depth: 1F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

NW LEIRIA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HE	123	193	ES		027	23.80	0.080							1.0
GGNV	HE	123	193	IAML		027	25.52			170	0.5				
MESJ	HZ	224	166	EP		027	22.65	0.100							1.0
MESJ	HE	224	166	ES		027	46.88	0.090							1.0
MESJ	HE	224	166	IAML		027	51.66			7	0.4				
MORF	HZ	277	177	EP		027	29.02	-.180							0.9
MORF	HE	277	177	ES		027	58.18	-.120							0.9
MORF	HE	277	177	IAML		027	59.50			7	0.3				

August 28 2017 Hour: 1:42 28.4 Lat: 39.78N Lon: 8.82W Depth: 4F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs
NW LEIRIA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	121	194	ES		143	2.15	-.040							1.0
GGNV	HE	121	194	IAML		143	4.42			783	0.5				
MESJ	HZ	222	166	EP		143	0.97	-.050							1.0
MESJ	HE	222	166	ES		143	25.000	.190							1.0
MESJ	HE	222	166	IAML		143	33.45			48	0.2				
MORF	HZ	275	177	EP		143	7.63	-.080							0.9
MORF	HN	275	177	ES		143	36.35	-.020							0.9
MORF	HN	275	177	IAML		143	47.28			44	0.3				

August 28 2017 Hour: 21:44 34.9 Lat: 37.70N Lon: 9.39W Depth: 1 Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs
NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	79	124	EP		2144	47.37	-.260							1.0
MORF	HN	79	124	ES		2144	56.980	.090							1.0
MORF	HN	79	124	IAML		2144	58.46			3	0.1				
MESJ	HZ	104	81	EP		2144	51.830	.070							1.0
MESJ	HE	104	81	ES		2145	4.140	.100							1.0
MESJ	HN	104	81	IAML		2145	5.52			3	0.2				

August 29 2017 Hour: 3:21 38.4 Lat: 39.22N Lon: 11.37W Depth: 31F Agency: IGL Regional
Magnitudes: 2.3ML 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
MESJ	HZ	314	118	EP		322	19.510	.070							1.0
MESJ	HE	314	118	ES		322	49.500	.080							1.0
MESJ	HN	314	118	IAML		322	53.45			9	0.3				
MORF	HZ	319	131	EP		322	19.86	-.180							1.0
MORF	HN	319	131	ES		322	50.490	.040							1.0
MORF	HN	319	131	IAML		322	54.36			12	0.1				

August 29 2017 Hour: 13:35 16.8 Lat: 37.04N Lon: 8.77W Depth: 21F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	31	20	EP		1335	22.830	.060							1.0
MORF	HN	31	20	ES		1335	27.07	-.040							1.0
MORF	HE	31	20	IAML		1335	29.03			9	0.1				
MESJ	HE	101	29	ES		1335	44.39	-.010							1.0
MESJ	HE	101	29	IAML		1335	44.99			1	0.2				

August 29 2017 Hour: 17: 6 49.6 Lat: 37.16N Lon: 7.78W Depth: 12F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs
E S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	79	282	EP		17 7	2.370	.090							1.0
MORF	HN	79	282	ES		17 7	11.590	.060							1.0
MORF	HN	79	282	IAML		17 7	14.77			11	0.2				
MESJ	HZ	85	333	EP		17 7	3.07	-.070							1.0
MESJ	HN	85	333	ES		17 7	12.93	-.090							1.0
MESJ	HN	85	333	IAML		17 7	15.50			12	0.1				

August 29 2017 Hour: 21:27 22.5 Lat: 36.88N Lon: 8.55W Depth: 18F 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	48	349	EP		2127	30.700	.090							1.0
MORF	HN	48	349	ES		2127	36.44	-.090							1.0
MORF	HN	48	349	IAML		2127	37.85			9	0.2				

MESJ HE 110 15 ES 2127 52.61-.010 1.0
 MESJ HN 110 15 IAML 2127 54.53 4 0.3

August 29 2017 Hour: 23:48 0.6 Lat: 38.54N Lon: 7.84W Depth: 4F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

SE EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	85	203	EP		2348	14.16	-.050							1.0
MESJ	HE	85	203	ES		2348	24.240	.050							1.0
MESJ	HE	85	203	IAML		2348	25.46			2	0.1				

August 30 2017 Hour: 3:57 41.1 Lat: 36.82N Lon: 8.40W Depth: 6F 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	58	337	EP		357	50.55	-.050							1.0
MORF	HE	58	337	ES		357	57.550	.050							1.0
MORF	HN	58	337	IAML		358	0.12			7	0.1				

August 30 2017 Hour: 5:44 41.0 Lat: 38.14N Lon: 8.31W Depth: 2F Agency: IGL Regional
Magnitudes: 0.1ML 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	34	167	EP		544	46.620	.060							1.0
MESJ	HN	34	167	ES		544	50.54	-.060							1.0
MESJ	HN	34	167	IAML		544	51.30			2	0.0				

August 30 2017 Hour: 9:59 26.1 Lat: 37.31N Lon: 8.55W Depth: 16F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	266	EP		959	28.89	-.170							1.0
MORF	HE	9	266	ES		959	31.310	.060							1.0
MORF	HE	9	266	IAML		959	32.30			17	0.1				
MESJ	HN	66	26	ES		959	44.610	.120							1.0
MESJ	HN	66	26	IAML		959	45.27			2	0.1				

August 30 2017 Hour: 14:19 16.1 Lat: 40.01N Lon: 29.42W Depth: 10F Agency: IGL Distant
Magnitudes: 4.3Mb IGL Rms: 0.0 secs

AZORES ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	1828	93	EP		1423	7.040	.050							1.0
MORF	BZ	1828	93	IAMB		1423	12.03			37	1.1				
MESJ	BZ	1850	91	EP		1423	9.36	-.050							1.0
MESJ	BZ	1850	91	IAMB		1423	13.12			13	0.8				

August 30 2017 Hour: 14:20 5.7 Lat: 39.92N Lon: 29.60W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

AZORES ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1765	88	EP		1423	49.12	-.100							1.0
GGNV	BZ	1765	88	IAMB		1423	51.83			535	1.8				
GGNV	BE	1765	88	ES		1426	46.470	.160							1.0
MORF	BZ	1843	92	EP		1423	58.21	-.080							1.0
MORF	BZ	1843	92	IAMB		1424	1.91			95	1.3				
MORF	BN	1843	92	ES		1427	3.570	.120							1.0
MESJ	BZ	1865	90	EP		1424	0.65	-.110							1.0
MESJ	BZ	1865	90	IAMB		1424	7.54			308	2.0				
MESJ	BE	1865	90	ESn		1427	8.200	.020							1.0

August 30 2017 Hour: 23:41 33.5 Lat: 37.14N Lon: 8.37W Depth: 19F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

E LAGOA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	31	306	EP		2341	39.19	-.050							1.0
MORF	HE	31	306	ES		2341	43.45	-.010							1.0
MORF	HN	31	306	IAML		2341	44.50			8	0.1				
MESJ	HN	79	10	ES		2341	55.49	0.070							1.0
MESJ	HN	79	10	IAML		2341	56.57			1	0.1				

August 31 2017 Hour: 0:47 38.5 Lat: 36.59N Lon: 11.20W Depth: 25F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	240	70	EP		048	11.43	-.100							1.0
MORF	HN	240	70	ES		048	35.57	-.070							1.0
MORF	HN	240	70	IAML		048	37.33			14	0.2				
MESJ	HZ	299	61	EP		048	18.84	0.100							1.0
MESJ	HN	299	61	ES		048	48.20	0.080							1.0
MESJ	HN	299	61	IAML		048	49.40			5	0.2				

August 31 2017 Hour: 1:30 28.1 Lat: 27.90N Lon: 56.95E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

SOUTHERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6079	298	EP		139	57.19	0.100							1.0
MESJ	BZ	6079	298	IAMB		140	6.88			31	1.3				

August 31 2017 Hour: 4:59 7.0 Lat: 38.07N Lon: 8.45W Depth: 2F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

SE GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	33	142	EP		459	12.32	0.020							1.0
MESJ	HE	33	142	ES		459	16.13	-.020							1.0
MESJ	HE	33	142	IAML		459	16.90			57	0.1				

August 31 2017 Hour: 17: 6 55.1 Lat: 1.15S Lon: 99.68E Depth: 45F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.0 secs

KEPULAUAN MENTAWAI REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11667	309	EPdif			1720	56.44	0.010							1.0
MESJ	BZ11667	309	EPP			1725	16.66	-.000							1.0
MESJ	BE11667	309	IAMs_20			1811	57.97			4566	26.2				
MORF	BZ11715	308	EPdif			1720	58.30	-.100							1.0
MORF	BZ11715	308	EPP			1725	19.97	0.040							1.0
MORF	BE11715	308	IAMs_20			1811	35.49			5772	24.5				
GGNV	BZ11729	310	EPdif			1720	58.87	0.000							1.0
GGNV	BZ11729	310	EPP			1725	20.80	0.040							1.0
GGNV	BN11729	310	IAMs_20			18 6	3.47			9063	40.7				

August 31 2017 Hour: 17:28 4.3 Lat: 37.44N Lon: 8.51W Depth: 15F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	20	220	EP		1728	8.29	-.050							1.0
MORF	HE	20	220	ES		1728	11.20	-.050							1.0
MORF	HN	20	220	IAML		1728	11.93			28	0.2				
MESJ	HZ	51	30	EP		1728	13.07	0.260							1.0
MESJ	HN	51	30	ES		1728	18.85	-.150							1.0
MESJ	HE	51	30	IAML		1728	19.63			14	0.1				

August 31 2017 Hour: 17:46 1.1 Lat: 58.43N Lon: 153.63WDepth: 62F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

KODIAK ISLAND REGION, ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8865	27	EP		1758	2.24	-.010							1.0
MESJ	BZ	8865	27	IAmb		1758	4.27			13	0.7				
MORF	BZ	8910	28	EP		1758	4.49	-.010							1.0
MORF	BZ	8910	28	IAmb		1758	5.87			27	0.7				
MORF	BZ	8910	28	EpP		1758	22.250	.020							1.0