

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

July to August

2016

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STATIONS USED

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

Lisboa (IGIDL)
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Marmelete (Picos)
MORF

Latitude	37.3063N
Longitude	8.6508W
Height	650m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

July 1 2016 Hour: 9:49 13.3 Lat: 36.68N Lon: 7.21W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML 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	146	299	EP		949	36.56	-0.16							1.0
MORF	HN	146	299	ES		949	54.22	0.39							1.0
MORF	HN	146	299	IAML		949	59.09			192	0.3				
MESJ	HZ	156	325	EP		949	38.02	-0.15							1.0
MESJ	HN	156	325	ESg		949	56.86	-0.09							1.0
MESJ	HN	156	325	IAML		949	59.16			106	0.2				

July 1 2016 Hour: 11:4 28.2 Lat: 37.87N Lon: 3.25W Depth: 12F Agency: IGL Regional
Magnitudes: 2.8ML 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	437	271	EP		11 5	26.82	0.10							1.0
MESJ	HN	437	271	ES		11 6	9.31	-0.10							1.0
MESJ	HN	437	271	IAML		11 6	33.74			24	0.8				

July 1 2016 Hour: 11:52 31.8 Lat: 37.87N Lon: 3.27W Depth: 9F Agency: IGL Regional
Magnitudes: 2.8ML 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	436	271	EP		1153	30.48	-0.01							1.0
MESJ	HN	436	271	ES		1154	13.24	-0.07							1.0
MESJ	HN	436	271	IAML		1154	39.15			16	0.4				
MORF	HE	480	264	ES		1154	22.60	0.08							1.0
MORF	HN	480	264	IAML		1154	53.81			28	0.2				

July 1 2016 Hour: 14:58 56.0 Lat: 38.88N Lon: 70.63E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.0 secs

TAJIKISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6660	296	EP		15 9	2.17	-0.00							1.0
MESJ	BZ	6660	296	IAMB		15 9	3.30			24	0.6				
MESJ	BN	6660	296	ES		1517	15.02	0.00							1.0

July 1 2016 Hour: 20:55 17.0 Lat: 36.71N Lon: 9.75W Depth: 18F 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	56	EP		2055	35.32	-0.13							1.0
MORF	HE	118	56	ES		2055	48.90	0.01							1.0
MORF	HE	118	56	IAML		2055	49.67			7	0.2				
MESJ	HZ	185	47	EP		2055	43.82	0.13							1.0
MESJ	HN	185	47	ES		2056	3.14	-0.01							1.0
MESJ	HE	185	47	IAML		2056	4.18			2	0.1				

July 1 2016 Hour: 21:48 3.1 Lat: 36.89N Lon: 8.76W Depth: 27F Agency: IGL Regional
Magnitudes: 2.6ML 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	47	12	EP		2148	11.60	0.08							1.0
MORF	HE	47	12	ES		2148	17.64	-0.02							1.0
MORF	HE	47	12	IAML		2148	18.42			542	0.3				
MESJ	HZ	116	24	EP		2148	20.31	-0.18							1.0
MESJ	HN	116	24	ES		2148	33.29	0.11							1.0
MESJ	HN	116	24	IAML		2148	34.75			87	0.3				

July 2 2016 Hour: 10:48 0.4 Lat: 36.92N Lon: 9.68W Depth: 23F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 101 65 EP 1048 16.29-0.06 1.0
 MORF HN 101 65 ES 1048 28.09 0.06 1.0
 MORF HN 101 65 IAML 1048 29.72 7 0.3

July 3 2016 Hour: 4:33 9.8 Lat: 37.08N Lon: 4.48W Depth: 2F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 342 285 EP 433 57.43-.070 1.0
 MESJ HE 342 285 ES 434 32.390.070 1.0
 MESJ HE 342 285 IAML 434 52.41 3 0.3

July 3 2016 Hour: 4:48 52.2 Lat: 37.09N Lon: 4.43W Depth: 12F Agency: IGL Regional
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 345 285 EP 449 39.350.040 1.0

July 3 2016 Hour: 4:55 19.6 Lat: 36.84N Lon: 8.34W Depth: 15F 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 59 332 EP 455 29.310.120 1.0
 MORF HE 59 332 ES 455 36.14-.070 1.0
 MORF HE 59 332 IAML 455 37.85 10 0.2
 MESJ HN 111 5 ES 455 49.93-.050 1.0
 MESJ HN 111 5 IAML 455 51.58 3 0.1

July 3 2016 Hour: 5: 3 41.7 Lat: 37.10N Lon: 4.50W Depth: 0 Agency: IGL Regional
SPAIN Net: MAD Rms: 0.0 secs
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 339 285 EP 5 4 29.29-.010 1.0

July 4 2016 Hour: 1:58 33.4 Lat: 35.48N Lon: 3.67W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 484 304 EP 159 38.76-.020 1.0
 MESJ HN 484 304 ES 2 0 26.550.020 1.0
 MESJ HN 484 304 IAML 2 0 30.36 2 0.3

July 4 2016 Hour: 11:48 43.4 Lat: 35.43N Lon: 3.78W Depth: 0 Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 479 305 EP 1149 48.04-.100 1.0
 MESJ HN 479 305 ES 1150 35.510.100 1.0
 MESJ HE 479 305 IAML 1150 36.35 4 0.4

July 5 2016 Hour: 0:16 52.9 Lat: 35.39N Lon: 3.78W Depth: 13F 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 482 306 EP 017 56.700.070 1.0
 MESJ HN 482 306 ES 018 43.310.130 1.0
 MESJ HN 482 306 IAML 018 48.08 8 0.2
 MORF HZ 486 297 EP 017 57.20-.060 1.0
 MORF HE 486 297 ES 018 44.12-.150 1.0

MORF HN 486 297 IAML 018 49.10 18 0.3

July 5 2016 Hour: 6:39 1.6 Lat: 36.67N Lon: 7.55W Depth: 20F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	306	EP		639	20.190	.000							1.0
MORF	HN	121	306	ES		639	33.810	.060							1.0
MORF	HN	121	306	IAML		639	34.86			9	0.2				
MESJ	HZ	143	336	EP		639	22.86	-.020							1.0
MESJ	HN	143	336	ES		639	38.36	-.050							1.0
MESJ	HN	143	336	IAML		639	39.18			2	0.1				

July 5 2016 Hour: 12:28 58.3 Lat: 37.30N Lon: 8.59W Depth: 10F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	277	EP		1229	0.16	-.070							1.0
MORF	HE	5	277	ES		1229	1.680	.050							1.0
MORF	HN	5	277	IAML		1229	1.99			382	0.0				
MESJ	HZ	68	29	EP		1229	9.41	-.030							1.0
MESJ	HN	68	29	ES		1229	17.600	.040							1.0
MESJ	HN	68	29	IAML		1229	18.64			5	0.0				

July 6 2016 Hour: 17:29 1.4 Lat: 35.73N Lon: 4.62W Depth: 30F 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	397	307	EP		1729	53.670	.100							1.0
MESJ	HN	397	307	ES		1730	31.56	-.080							1.0
MESJ	HN	397	307	IAML		1730	34.19			6	0.2				
MORF	HZ	401	297	EP		1729	54.00	-.040							1.0
MORF	HN	401	297	ES		1730	32.480	.020							1.0
MORF	HN	401	297	IAML		1730	34.21			8	0.1				

July 6 2016 Hour: 18:43 34.7 Lat: 37.31N Lon: 8.58W Depth: 15F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	266	EP		1843	37.29	-.100							1.0
MORF	HN	6	266	ES		1843	39.440	.100							1.0
MORF	HN	6	266	IAML		1843	39.68			12	0.2				

July 6 2016 Hour: 20:52 33.4 Lat: 36.21N Lon: 3.52E Depth: 10F Agency: IGL Regional
Magnitudes: 0.3ML 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	1060	283	EP		2054	46.17	-.080							1.0

July 7 2016 Hour: 21:19 55.6 Lat: 35.43N Lon: 3.84W Depth: 5F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	475	306	EP		2120	59.29	-.030							1.0
MESJ	HN	475	306	ES		2121	45.900	.030							1.0
MESJ	HN	475	306	IAML		2121	49.36			2	0.4				

July 8 2016 Hour: 4:28 46.9 Lat: 0.41S Lon: 80.79W Depth: 37F 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
GGNV	BZ	8460	50	EP		440	30.440	.040							1.0
GGNV	BZ	8460	50	IAMB		440	30.76			62	1.3				
MORF	BZ	8471	51	EP		440	31.00	-.050							1.0

MORF	BZ	8471	51	I Amb	440	32.48			60	1.8							
MORF	BN	8471	51	ES	450	12.820.080											1.0
MESJ	BZ	8520	51	EP	440	33.530.040											1.0
MESJ	BZ	8520	51	I Amb	440	34.02			40	1.9							
MESJ	BN	8520	51	ES	450	17.36-.110											1.0

July 8 2016 Hour: 22:33 19.2 Lat: 32.59N Lon: 15.94W Depth: 1 Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.0 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	912	48	EP		2235	15.630.020								1.0
MESJ	HN	912	48	ES		2236	40.59-.020								1.0
MESJ	HN	912	48	IAML		2236	44.16			6	0.6				

July 9 2016 Hour: 0:18 13.8 Lat: 35.33N Lon: 3.72W Depth: 0 Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	489	306	EP		019	19.73-.140								1.0
MESJ	HE	489	306	ES		020	8.210.120								1.0
MESJ	HN	489	306	IAML		020	15.89			20	0.3				
MORF	HZ	494	298	EP		019	20.44-.010								1.0
MORF	HN	494	298	ES		020	9.110.030								1.0
MORF	HN	494	298	IAML		020	14.19			17	0.6				

July 9 2016 Hour: 2:04 44.2 Lat: 37.34N Lon: 9.16W Depth: 29F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	45	95	EP		2 0	52.51-.000								1.0
MORF	HE	45	95	ES		2 0	58.660.110								1.0
MORF	HN	45	95	IAML		2 0	59.65			10	0.1				
MESJ	HZ	100	56	EP		2 0	59.40-.120								1.0
MESJ	HE	100	56	ES		2 1	10.680.010								1.0
MESJ	HE	100	56	IAML		2 1	13.59			1	0.1				

July 9 2016 Hour: 12:19 42.2 Lat: 36.75N Lon: 9.66W Depth: 15F 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	109	55	EP		1219	59.480.020								1.0
MORF	HN	109	55	ES		1220	12.110.080								1.0
MORF	HN	109	55	IAML		1220	13.38			5	0.1				
MESJ	HZ	176	46	EP		1220	7.95-.110								1.0
MESJ	HN	176	46	ES		1220	26.920.010								1.0
MESJ	HN	176	46	IAML		1220	29.50			1	0.2				

July 9 2016 Hour: 19:12 3.1 Lat: 36.92N Lon: 8.70W Depth: 0 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	43	6	EP		19 1	30.120.050								1.0
MORF	HN	43	6	ES		19 1	35.05-.100								1.0
MORF	HN	43	6	IAML		19 1	36.05			6	0.1				
MESJ	HZ	111	22	EP		19 1	41.000.050								1.0
MESJ	HE	111	22	ES		19 1	53.970.000								1.0
MESJ	HN	111	22	IAML		19 1	54.84			4	0.2				

July 9 2016 Hour: 21:59 31.2 Lat: 39.81N Lon: 14.84W Depth: 0 Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	606	115	EP		22	0	51.20	-	.300					1.0
MORF	HN	606	115	ES		22	1	49.94	-	.160					1.0
MORF	HN	606	115	IAML		22	1	55.80			17	0.4			
MESJ	HZ	615	109	EP		22	0	52.560	.090						1.0
MESJ	HN	615	109	ES		22	1	52.150	.370						1.0
MESJ	HE	615	109	IAML		22	1	57.18			11	0.2			

July 10 2016 Hour: 3:39 23.0 Lat: 34.94N Lon: 4.30W Depth: 1 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	476	314	EP		340	27.340	.010							1.0

July 10 2016 Hour: 5:2 46.9 Lat: 36.56N Lon: 9.64W Depth: 30F 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	121	46	EP		5	3	4.740	.020						1.0
MORF	HE	121	46	ES		5	3	17.72	-	.040					1.0
MORF	HN	121	46	IAML		5	3	19.58			31	0.2			
MESJ	HZ	190	41	EP		5	3	13.330	.080						1.0
MESJ	HN	190	41	ES		5	3	32.47	-	.050					1.0
MESJ	HE	190	41	IAML		5	3	35.06			7	0.1			

July 10 2016 Hour: 5:29 45.1 Lat: 37.35N Lon: 8.51W Depth: 0 Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	13	249	ES		529	48.890	.010							1.0
MORF	HN	13	249	IAML		529	49.15				16	0.1			
MESJ	HZ	60	25	EP		529	54.850	.030							1.0
MESJ	HN	60	25	ES		530	1.86	-	.030						1.0
MESJ	HE	60	25	IAML		530	3.40				2	0.1			

July 10 2016 Hour: 18:48 16.7 Lat: 36.55N Lon: 7.60W Depth: 30F 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
MESJ	HZ	153	339	EP		1848	38.560	.000							1.0
MESJ	HN	153	339	ES		1848	54.51	-	.000						1.0
MESJ	HN	153	339	IAML		1848	56.24				2	0.1			

July 10 2016 Hour: 19:26 11.8 Lat: 36.87N Lon: 9.68W Depth: 4F 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	104	62	EP		1926	28.41	-	.080						1.0
MORF	HN	104	62	ES		1926	40.780	.090							1.0
MORF	HN	104	62	IAML		1926	42.47				48	0.2			
MESJ	HZ	168	50	EP		1926	37.72	-	.010						1.0

July 10 2016 Hour: 21:50 54.8 Lat: 36.39N Lon: 4.72W Depth: 26F Agency: IGL Regional
Magnitudes: 2.3ML 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	350	298	EP		2151	41.420	.040							1.0
MESJ	HE	350	298	ES		2152	15.400	.050							1.0
MESJ	HN	350	298	IAML		2152	17.44				10	0.4			
MORF	HZ	365	287	EP		2151	43.23	-	.030						1.0

MORF HN 365 287 ES 2152 18.53-.060 1.0
MORF HE 365 287 IAML 2152 20.14 11 0.2

July 11 2016 Hour: 1:19 19.3 Lat: 39.07N Lon: 10.93W Depth: 31F Agency: IGL Regional
Magnitudes: 2.1ML 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	273	119	EP		119	55.380	.190							1.0
MESJ	HN	273	119	ES		120	21.480	.080							1.0
MESJ	HN	273	119	IAML		120	24.63			7	0.1				
MORF	HZ	279	134	EP		119	55.95-	.080							1.0
MORF	HE	279	134	ES		120	22.65-	.200							1.0
MORF	HE	279	134	IAML		120	25.88			12	0.1				

July 11 2016 Hour: 2:1 10.1 Lat: 0.57N Lon: 79.64W Depth: 17F Agency: IGL Distant
Magnitudes: 5.9Mb 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
GGNV	BZ	8293	50	EP		212	47.81-	.060							1.0
GGNV	BZ	8293	50	IAmb		212	48.59			152	1.3				
MORF	BZ	8304	51	EP		212	48.610	.070							1.0
MORF	BZ	8304	51	IAmb		212	50.48			177	1.1				
MESJ	BZ	8353	51	EP		212	51.01-	.020							1.0
MESJ	BZ	8353	51	IAmb		212	51.82			202	1.6				

July 11 2016 Hour: 2:11 4.3 Lat: 0.55N Lon: 79.66W Depth: 19F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.0 secs

NEAR COAST OF ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8295	50	EP		222	41.900	.030							1.0
GGNV	BZ	8295	50	IAmb		222	44.43			242	1.4				
GGNV	BN	8295	50	ES		232	16.950	.020							1.0
MORF	BZ	8307	51	EP		222	42.49-	.060							1.0
MORF	BZ	8307	51	IAmb		222	44.68			418	1.5				
MORF	BN	8307	51	ES		232	18.210	.010							1.0
MESJ	BZ	8356	51	EP		222	45.060	.020							1.0
MESJ	BZ	8356	51	IAmb		222	47.73			205	1.7				
MESJ	BN	8356	51	ES		232	22.98-	.030							1.0

July 11 2016 Hour: 6:25 32.0 Lat: 37.30N Lon: 8.57W Depth: 11F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	276	EP		625	34.230	.020							1.0
MORF	HE	7	276	ES		625	35.80-	.020							1.0
MORF	HN	7	276	IAML		625	36.40			59	0.1				

July 11 2016 Hour: 19:59 14.5 Lat: 36.70N Lon: 10.53W Depth: 8F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs

AZORES-CAPE ST: VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	180	68	EP		1959	41.59-	.010							1.0
MORF	HN	180	68	ES		20	0	1.11-	.250						1.0
MORF	HN	180	68	IAML		20	0	2.63		5	0.0				
MESJ	HZ	241	58	EP		1959	49.07-	.010							1.0
MESJ	HE	241	58	ES		20	0	14.590	.290						1.0
MESJ	HE	241	58	IAML		20	0	15.90		6	0.2				

July 12 2016 Hour: 1:7 20.3 Lat: 35.67N Lon: 3.64W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 475 302 EP 1 8 24.56-.040 1.0
 MESJ HN 475 302 ES 1 9 11.610.060 1.0
 MESJ HN 475 302 IAML 1 9 16.23 23 0.4
 MORF HZ 485 294 EP 1 8 25.79-.020 1.0

July 12 2016 Hour: 11:16 55.2 Lat: 36.60N Lon: 9.80W Depth: 14F 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 129 52 EP 1117 15.28-.050 1.0
 MORF HE 129 52 ES 1117 30.030.030 1.0
 MORF HE 129 52 IAML 1117 32.59 102 0.2
 MESJ HZ 196 45 EP 1117 23.690.010 1.0
 MESJ HN 196 45 ES 1117 44.470.010 1.0
 MESJ HN 196 45 IAML 1117 46.21 19 0.1

July 13 2016 Hour: 0:35 1.9 Lat: 35.39N Lon: 3.77W Depth: 1 Agency: IGL Regional
Magnitudes: 3.5ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 481 306 EP 036 6.870.050 1.0
 MESJ HN 481 306 ES 036 54.07-.170 1.0
 MESJ HN 481 306 IAML 037 1.13 81 0.3
 MORF HN 486 297 ES 036 55.460.120 1.0
 MORF HN 486 297 IAML 036 59.79 85 0.3

July 13 2016 Hour: 1:44 48.4 Lat: 36.62N Lon: 11.38W Depth: 10F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HN 255 72 ES 145 50.86-.030 1.0
 MORF HN 255 72 IAML 145 51.58 32 0.2
 MESJ HZ 311 63 EP 145 31.550.010 1.0
 MESJ HE 311 63 ES 146 3.030.020 1.0
 MESJ HN 311 63 IAML 146 4.13 10 0.1

July 13 2016 Hour: 2:5 12.4 Lat: 37.01N Lon: 5.59W Depth: 11F Agency: IGL Regional
Magnitudes: 2.0ML 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 250 292 EP 2 5 47.860.030 1.0
 MESJ HE 250 292 ESg 2 6 22.27-.030 1.0
 MESJ HN 250 292 IAML 2 6 25.74 10 0.2

July 13 2016 Hour: 7:41 23.6 Lat: 35.55N Lon: 17.22W Depth: 20F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 792 73 EP 743 4.09-0.01 1.0
 MESJ HZ 843 70 EP 743 10.01-0.01 1.0
 MESJ HE 843 70 ES 744 27.69 0.01 1.0
 MESJ HE 843 70 IAML 744 30.19 3 0.1

July 13 2016 Hour: 11:56 58.9 Lat: 28.22S Lon: 176.32W Depth: 17F Agency: IGL Distant
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
GGNV	BZ18359	42	EPK	Pdf		1217	1.530	.050							1.0
GGNV	BZ18359	42	EPP			1221	45.360	.060							1.0
MESJ	BZ18484	43	EPK	Pdf		1217	2.39-	.060							1.0
MESJ	BZ18484	43	EPP			1221	51.250	.090							1.0
MORF	BZ18492	46	EPK	Pdf		1217	2.48-	.080							1.0
MORF	BZ18492	46	EPP			1221	51.51-	.060							1.0

July 13 2016 Hour: 12:11 13.2 Lat: 28.03S Lon: 176.39W Depth: 12F Agency: IGL Distant
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
GGNV	BZ18348	42	EPK	Pdf		1231	16.710	.090							1.0
GGNV	BZ18348	42	EPP			1236	0.020	.050							1.0
MESJ	BZ18473	42	EPK	Pdf		1231	17.620	.020							1.0
MESJ	BZ18473	42	EPP			1236	5.82-	.030							1.0
MORF	BZ18482	45	EPK	Pdf		1231	17.69-	.030							1.0
MORF	BZ18482	45	EPP			1236	6.21-	.090							1.0

July 13 2016 Hour: 12:18 33.6 Lat: 28.15S Lon: 176.55W Depth: 10F Agency: IGL Distant
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
MORF	BZ18502	45	EPK	Pdf		1238	38.610	.030							1.0

July 13 2016 Hour: 13: 4 25.8 Lat: 27.95S Lon: 176.51W Depth: 10F Agency: IGL Distant
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	BZ18474	42	EPK	Pdf		1324	30.510	.030							1.0
MORF	BZ18483	45	EPK	Pdf		1324	30.57-	.030							1.0

July 13 2016 Hour: 19:16 58.7 Lat: 32.76N Lon: 5.75W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	569	333	EP		1918	14.37-	.120							1.0
MORF	HN	569	333	ES		1919	9.960	.140							1.0
MORF	HN	569	333	IAML		1919	11.80			9	0.2				
MESJ	HZ	607	339	EP		1918	18.77-	.180							1.0
MESJ	HE	607	339	ES		1919	17.710	.160							1.0
MESJ	HN	607	339	IAML		1919	20.64			4	0.2				

July 13 2016 Hour: 19:34 13.8 Lat: 35.40N Lon: 3.75W Depth: 5F 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	483	305	EP		1935	18.610	.040							1.0
MESJ	HN	483	305	ES		1936	5.79-	.040							1.0
MESJ	HN	483	305	IAML		1936	8.59			3	0.2				

July 14 2016 Hour: 8:36 27.0 Lat: 41.32N Lon: 29.40W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

AZORES ISLANDS REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1749	93	EP		840	8.640	.040							1.0
GGNV	BZ	1749	93	IAMB		840	13.52			270	1.4				
GGNV	BN	1749	93	ES		843	4.120	.070							1.0
MORF	BZ	1839	97	EP		840	19.03-	.080							1.0
MORF	BZ	1839	97	IAMB		840	25.80			148	1.7				

MORF	BN	1839	97	ES		843	23.920	.040											1.0
MESJ	BZ	1855	95	EP		840	20.77-	.140											1.0
MESJ	BZ	1855	95	IAmb		840	26.00			661	2.8								
MESJ	BE	1855	95	ES		843	27.390	.060											1.0

July 14 2016 Hour: 10:21 37.3 Lat: 36.62N Lon: 7.78W Depth: 19F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	141	344	EP		1021	58.39-	.050							1.0
MESJ	HN	141	344	ES		1022	13.910	.050							1.0
MESJ	HN	141	344	IAML		1022	15.72			2					

July 14 2016 Hour: 11:39 32.4 Lat: 36.65N Lon: 4.65W Depth: 25F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

SPAIN Net:MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	343	294	EP		1140	18.14-	.030							1.0
MORF	HZ	364	283	EP		1140	20.790	.030							1.0

July 14 2016 Hour: 20:10 30.5 Lat: 36.95N Lon: 12.61W Depth: 26F Agency: IGL Regional
Magnitudes: 1.6ML 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	354	82	EP		2011	17.700	.080							1.0
MESJ	HZ	401	74	EP		2011	23.36-	.050							1.0
MESJ	HN	401	74	ES		2012	1.97-	.040							1.0
MESJ	HE	401	74	IAML		2012	4.74			2	0.1				

July 14 2016 Hour: 20:52 52.4 Lat: 36.76N Lon: 8.24W Depth: 24F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	71	329	EP		2053	3.82-	.090							1.0
MORF	HN	71	329	ES		2053	12.30-	.030							1.0
MORF	HN	71	329	IAML		2053	13.94			8	0.1				
MESJ	HZ	120	1	EP		2053	10.510	.050							1.0
MESJ	HN	120	1	ES		2053	23.740	.080							1.0
MESJ	HN	120	1	IAML		2053	26.68			4	0.2				

July 15 2016 Hour: 18: 2 49.4 Lat: 35.14N Lon: 35.39W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2363	73	EP		18 7	35.63-	.090							1.0
GGNV	BZ	2363	73	IAmb		18 7	40.21			387	1.5				
GGNV	BN	2363	73	ES		1811	32.940	.040							1.0
MORF	BZ	2408	76	EP		18 7	40.13-	.020							1.0
MORF	BZ	2408	76	IAmb		18 7	45.40			87	1.1				
MORF	BN	2408	76	ES		1811	41.040	.040							1.0
MESJ	BZ	2444	75	EP		18 7	43.720	.130							1.0
MESJ	BZ	2444	75	IAmb		18 7	47.06			102	1.1				
MESJ	BN	2444	75	ES		1811	47.19-	.100							1.0

July 15 2016 Hour: 21: 2 32.6 Lat: 36.71N Lon: 9.68W Depth: 19F 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	113	54	EP		21 2	50.26-	.080							1.0
MORF	HN	113	54	ES		21 3	3.340	.080							1.0
MORF	HN	113	54	IAML		21 3	4.21			41	0.1				
MESJ	HZ	180	45	EP		21 2	58.60-	.060							1.0
MESJ	HE	180	45	ES		21 3	17.710	.060							1.0
MESJ	HN	180	45	IAML		21 3	18.52			11	0.3				

July 16 2016 Hour: 8:16 30.0 Lat: 35.72N Lon: 3.68W Depth: 12F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	469	301	EP		817	32.260	.020							1.0

July 16 2016 Hour: 9:24 46.3 Lat: 36.33N Lon: 7.28W Depth: 30F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

MORF	HE	163	312	ES		925	26.27	-.090							1.0
MORF	HN	163	312	IAML		925	26.97			12	0.1				
MESJ	HZ	187	334	EP		925	12.38	-.010							1.0
MESJ	HN	187	334	ES		925	31.520	.100							1.0
MESJ	HE	187	334	IAML		925	33.21			7	0.1				

July 17 2016 Hour: 1:31 46.0 Lat: 30.70N Lon: 41.80W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL 5.0Ms IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

MORF	BN	3132	67	ES		142	25.07	-.030							1.0
MORF	BZ	3132	67	IAMs_20		145	11.23			4843	27.4				
MESJ	BZ	3174	66	EP		137	41.940	.010							1.0
MESJ	BZ	3174	66	IAMB		137	49.30			79	1.5				
MESJ	BN	3174	66	ES		142	30.990	.030							1.0
MESJ	BZ	3174	66	IAMs_20		145	32.69			3026	14.0				

July 17 2016 Hour: 11:53 12.8 Lat: 36.65N Lon: 9.80W Depth: 14F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

MORF	HZ	126	54	EP		1153	32.44	-.050							1.0
MORF	HN	126	54	ES		1153	46.930	.060							1.0
MORF	HN	126	54	IAML		1153	48.09			43	0.2				
MESJ	HZ	193	46	EP		1153	40.790	.010							1.0
MESJ	HE	193	46	ES		1154	1.18	-.020							1.0
MESJ	HE	193	46	IAML		1154	4.53			15	0.1				

July 18 2016 Hour: 2:26 15.7 Lat: 36.66N Lon: 12.47W Depth: 17F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

MORF	HZ	347	77	EP		227	2.720	.050							1.0
MORF	HN	347	77	ES		227	36.84	-.110							1.0
MORF	HN	347	77	IAML		227	40.12			6	0.5				
MESJ	HN	399	70	ES		227	48.050	.060							1.0
MESJ	HN	399	70	IAML		227	50.78			4	0.3				

July 18 2016 Hour: 4:43 38.3 Lat: 37.33N Lon: 8.56W Depth: 11F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

N MONCHIQUE, PORTUGAL Net: IMP

MORF	HZ	8	252	EP		443	40.63	-.030							1.0
MORF	HN	8	252	ES		443	42.380	.030							1.0
MORF	HN	8	252	IAML		443	43.04			117	0.2				
MESJ	HN	64	28	ES		443	56.39	-.010							1.0
MESJ	HN	64	28	IAML		444	0.00			2	0.2				

July 18 2016 Hour: 15:36 39.5 Lat: 36.66N Lon: 7.52W 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	124	306	EP		1536	56.85	-.040							1.0
MESJ	HZ	145	335	EP		1536	59.680	.180							1.0
MESJ	HN	145	335	ES		1537	13.98	-.130							1.0
MESJ	HN	145	335	IAML		1537	16.60			13	0.2				

July 18 2016 Hour: 15:56 11.8 Lat: 36.78N Lon: 9.79W Depth: 19F 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
MESJ	HZ	182	49	EP		1556	38.150	.050							1.0
MESJ	HN	182	49	ES		1556	57.21	-.050							1.0
MESJ	HN	182	49	IAML		1556	58.84			2	0.2				

July 18 2016 Hour: 20: 3 53.2 Lat: 37.16N Lon: 7.78W Depth: 12F Agency: IGL Regional
Magnitudes: 1.9ML 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		20 4	5.970	.080							1.0
MORF	HN	79	282	ES		20 4	15.06	-.070							1.0
MORF	HN	79	282	IAML		20 4	18.27			38	0.2				
MESJ	HZ	85	333	EP		20 4	6.840	.080							1.0
MESJ	HN	85	333	ES		20 4	16.56	-.090							1.0
MESJ	HN	85	333	IAML		20 4	19.21			32	0.2				

July 18 2016 Hour: 21: 1 50.3 Lat: 36.57N Lon: 11.24W Depth: 31F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	245	70	EP		21 2	22.66	-.080							1.0
MORF	HE	245	70	ES		21 2	46.490	.070							1.0
MORF	HN	245	70	IAML		21 2	47.62			26	0.2				
MESJ	HZ	303	61	EP		21 2	29.79	-.140							1.0
MESJ	HN	303	61	ES		21 2	59.010	.150							1.0
MESJ	HN	303	61	IAML		21 3	1.11			17	0.2				

July 19 2016 Hour: 5:18 40.7 Lat: 30.19S Lon: 72.02W Depth: 14F Agency: IGL Distant
Magnitudes: 5.8Ms 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	9962	45	EP		531	37.59	-.090							1.0
MORF	BN	9962	45	ESKSac		542	7.200	.050							1.0
MORF	BZ	9962	45	IAMs_20		611	26.36			3117	16.0				
GGNV	BZ10028	44	EP			531	40.330	.010							1.0
GGNV	BN10028	44	ESKSac			542	10.570	.090							1.0
GGNV	BZ10028	44	IAMs_20			614	11.50			2809	16.1				
MESJ	BZ10029	45	EP			531	40.41	-.010							1.0
MESJ	BN10029	45	ESKSac			542	10.56	-.040							1.0
MESJ	BE10029	45	IAMs_20			611	49.42			2489	16.3				

July 19 2016 Hour: 12:33 1.4 Lat: 41.55N Lon: 79.01E Depth: 30F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

SOUTHERN XINJIANG, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7157	299	EP		1243	34.62	-.020							1.0
MESJ	BZ	7157	299	IAMB		1243	37.49			16	0.8				
MORF	BZ	7221	298	EP		1243	38.510	.020							1.0
MORF	BZ	7221	298	IAMB		1243	41.88			60	1.4				

July 20 2016 Hour: 3:58 30.6 Lat: 0.04N Lon: 122.97E Depth:164F Agency: 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 BZ13514 316 EPKPdf 417 4.090.030 1.0
 MORF BZ13575 315 EPKPdf 417 5.14-.030 1.0

July 20 2016 Hour: 15:13 16.3 Lat: 18.90S Lon: 169.03E Depth:164F Agency: IGL Distant
Rms: 0.0 secs
VANUATU Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ17914 353 EPKPdf 1532 56.190.030 1.0
 MORF BZ17977 354 EPKPdf 1532 56.80-.030 1.0

July 20 2016 Hour: 17: 6 38.8 Lat: 36.35N Lon: 7.60W Depth: 10F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HN 142 319 ES 17 7 17.100.100 1.0
 MORF HN 142 319 IAML 17 7 20.91 90 0.1
 MESJ HZ 174 342 EP 17 7 4.79-.130 1.0
 MESJ HN 174 342 ES 17 7 23.980.020 1.0
 MESJ HN 174 342 IAML 17 7 31.25 23 0.2

July 20 2016 Hour: 19:58 9.6 Lat: 36.90N Lon: 10.50W Depth: 31F 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 170 74 EP 1958 32.71-.090 1.0
 MORF HN 170 74 ES 1958 49.840.080 1.0
 MORF HN 170 74 IAML 1958 52.01 7 0.2
 MESJ HZ 227 62 EP 1958 39.77-.060 1.0
 MESJ HE 227 62 ES 1959 1.990.070 1.0
 MESJ HE 227 62 IAML 1959 3.64 2 0.2

July 21 2016 Hour: 5:45 51.5 Lat: 7.43S Lon: 154.95E Depth: 43F 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
 GGNV BZ16219 338 EPKPdf 6 5 24.630.090 1.0
 MESJ BZ16263 336 EPKPdf 6 5 25.19-.040 1.0
 MORF BZ16333 336 EPKPdf 6 5 26.29-.050 1.0

July 21 2016 Hour: 6: 2 52.3 Lat: 36.42N Lon: 9.79W Depth: 8F 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 141 46 EP 6 3 14.51-.020 1.0
 MORF HN 141 46 ES 6 3 30.62-.150 1.0
 MORF HN 141 46 IAML 6 3 32.53 7 0.1
 MESJ HZ 210 41 EP 6 3 23.160.080 1.0
 MESJ HN 210 41 ES 6 3 45.650.100 1.0
 MESJ HE 210 41 IAML 6 3 46.57 2 0.2

July 21 2016 Hour: 16:21 14.0 Lat: 36.70N Lon: 12.14W Depth: 0 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 318 77 EP 1621 58.82-.120 1.0
 MORF HE 318 77 ES 1622 31.72-.040 1.0
 MORF HE 318 77 IAML 1622 32.80 5 0.3
 MESJ HN 370 69 ES 1622 43.100.180 1.0
 MESJ HN 370 69 IAML 1622 46.33 5 0.1

July 21 2016 Hour: 23:11 48.9 Lat: 38.28N Lon: 7.90W Depth: 6F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

NE ALVITO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	56	210	EP		2311	58.180	.130							1.0
MESJ	HN	56	210	ES		2312	4.63	-.100							1.0
MESJ	HN	56	210	IAML		2312	5.95		224	0.1					
MORF	HZ	127	212	EP		2312	9.120	.000							1.0
MORF	HE	127	212	ES		2312	23.84	-.040							1.0
MORF	HN	127	212	IAML		2312	26.35		324	0.2					

July 22 2016 Hour: 17:58 19.1 Lat: 36.76N Lon: 7.07W Depth: 31F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	157	320	EP		1758	40.61	-.010							1.0

July 23 2016 Hour: 0:4 17.2 Lat: 36.60N Lon: 9.62W Depth: 16F 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	117	47	EP		0 4	35.56	-.010							1.0
MORF	HN	117	47	ES		0 4	48.94	-.040							1.0
MORF	HN	117	47	IAML		0 4	50.73		104	0.2					
MESJ	HZ	185	42	EP		0 4	44.07	-.030							1.0
MESJ	HN	185	42	ES		0 5	3.830	.080							1.0
MESJ	HN	185	42	IAML		0 5	6.00		20	0.1					

July 23 2016 Hour: 1:0 20.7 Lat: 47.71N Lon: 146.95E Depth:407FAgency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

NORTHWEST OF KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10222	341	EP			112	44.060	.080							1.0
MESJ	BZ10222	341	IAMB			112	44.93		29	1.1					
MESJ	BN10222	341	ESK	Sac		122	37.020	.070							1.0
MORF	BZ10290	341	EP			112	46.66	-.160							1.0

July 23 2016 Hour: 8:52 1.6 Lat: 14.83N Lon: 103.57W Depth: 35F Agency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.0 secs

OFF COAST OF GUERRERO, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ 9459	53	EP			9 4	33.62	-.010							1.0
MORF	BZ 9459	53	IAMB			9 4	36.92		347	2.1					
MESJ	BZ 9481	52	EP			9 4	34.570	.010							1.0
MESJ	BZ 9481	52	IAMB			9 4	35.67		54	0.8					

July 23 2016 Hour: 9:59 1.0 Lat: 58.52N Lon: 156.50W Depth:192FAgency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 8929	25	EP			1010	50.61	-.040							1.0
MESJ	BZ 8929	25	IAMB			1010	53.64		12	0.9					
MORF	BZ 8975	25	EP			1010	52.960	.040							1.0
MORF	BZ 8975	25	IAMB			1010	54.47		42	1.2					

July 23 2016 Hour: 12:55 35.3 Lat: 35.48N Lon: 4.65W Depth: 6F Agency: IGL Regional
Magnitudes: 2.0ML 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	413	310	EP		1256	31.46	-.000							1.0
MESJ	HN	413	310	ES		1257	12.430	.000							1.0
MESJ	HN	413	310	IAML		1257	14.80		4	0.1					

July 24 2016 Hour: 14:10 51.3 Lat: 0.92N Lon: 29.04W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.1 secs

CENTRAL MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4542	25	EP		1418	33.210	.110							1.0
MORF	BN	4542	25	ES		1424	45.07	-.080							1.0
MORF	BZ	4542	25	IAMs_20		1430	18.39		3366	18.4					
MESJ	BZ	4613	25	EP		1418	38.390	.130							1.0
MESJ	BN	4613	25	ES		1424	54.36	-.110							1.0
MESJ	BZ	4613	25	IAMs_20		1430	49.55		3355	21.0					
GGNV	BZ	4653	24	EP		1418	41.280	.080							1.0
GGNV	BN	4653	24	ES		1424	59.66	-.130							1.0
GGNV	BN	4653	24	IAMs_20		1432	28.62		3472	15.1					

July 24 2016 Hour: 16:42 15.5 Lat: 35.57N Lon: 3.75W Depth: 1 Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	472	304	EP		1643	19.23	-.070							1.0
MESJ	HN	472	304	ES		1644	5.83	-.040							1.0
MESJ	HE	472	304	IAML		1644	8.23		4	0.3					
MORF	HZ	480	295	EP		1643	20.300	.050							1.0
MORF	HN	480	295	ES		1644	7.580	.060							1.0

July 24 2016 Hour: 18:33 33.7 Lat: 46.04N Lon: 150.88E Depth: 113F Agency: IGL Distant
Magnitudes: 6.0Mb 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
MORF	BZ10559	344		EP		1816	43.180	.000							1.0
MORF	BZ10559	344		IAMB		1816	46.16		103	1.5					

July 24 2016 Hour: 21:40 28.5 Lat: 34.87N Lon: 14.78W Depth: 10F Agency: IGL Regional
Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	615	62	EP		2141	48.61	-.150							1.0
MESJ	HZ	675	59	EP		2141	56.160	.160							1.0

July 25 2016 Hour: 3:29 21.8 Lat: 36.01N Lon: 7.58W Depth: 27F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	173	327	EP		329	46.18	-.140							1.0
MORF	HN	173	327	ES		330	4.290	.080							1.0
MORF	HE	173	327	IAML		330	8.73		6	0.2					
MESJ	HZ	211	345	EP		329	51.040	.020							1.0
MESJ	HN	211	345	ES		330	12.390	.050							1.0
MESJ	HN	211	345	IAML		330	14.32		2	0.1					

July 25 2016 Hour: 7:15 8.6 Lat: 35.60N Lon: 3.79W Depth: 1 Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	468	303	EP		716	11.99	0.07							1.0
MORF	HZ	476	295	EP		716	12.96	0.07							1.0
MORF	HE	476	295	ES		716	59.67	-0.14							1.0
MORF	HE	476	295	IAML		717	3.31		24	0.2					

July 25 2016 Hour: 8:13 5.9 Lat: 38.13N Lon: 9.48W Depth: 24F Agency: IGL Regional
 Magnitudes: 1.4ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	115	106	EP		813	23.500	.030							1.0
MESJ	HN	115	106	ES		813	36.13	-.140							1.0
MESJ	HN	115	106	IAML		813	37.96			7	0.1				
MORF	HZ	117	141	EP		813	23.770	.050							1.0
MORF	HE	117	141	ES		813	36.750	.050							1.0
MORF	HE	117	141	IAML		813	37.97			8	0.2				

July 25 2016 Hour: 8:58 31.2 Lat: 49.46S Lon: 126.25E Depth: 10F Agency: IGL Distant
 Magnitudes: 5.9Ms IGL Rms: 0.1 secs

WESTERN INDIAN-ANTARTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ16171	267	EPK	Pdf		918	8.98	-.090							1.0
MORF	BZ16171	267	IAMs	_20		1026	55.21			1422	12.9				
MESJ	BZ16173	268	EPK	Pdf		918	9.03	-.030							1.0
MESJ	BZ16173	268	IAMs	_20		1030	13.88			1421	15.2				
GGNV	BZ16295	268	EPK	Pdf		918	10.980	.120							1.0
GGNV	BZ16295	268	IAMs	_20		1025	46.15			1399	16.8				

July 25 2016 Hour: 15:11 53.3 Lat: 26.47N Lon: 128.74E Depth: 14F Agency: IGL Distant
 Magnitudes: 5.7Ms IGL Rms: 0.0 secs

RYUKYU ISLANDS, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11609	326	EPP			1530	15.680	.020							1.0
MESJ	BZ11609	326	IAMs	_20		1620	51.58			1510	14.9				

July 25 2016 Hour: 17:26 50.3 Lat: 26.10S Lon: 70.50W Depth: 72F Agency: IGL Distant
 Magnitudes: 5.7Mb IGL Rms: 0.1 secs

ATACAMA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9538	45	EP		1739	21.43	-.140							1.0
MORF	BZ	9538	45	IAMB		1739	24.97			53	0.9				
MORF	BZ	9538	45	EP	P	1739	41.06	-.140							1.0
MORF	BN	9538	45	ESKS	Sac	1749	39.70	-.010							1.0
GGNV	BZ	9599	43	EP		1739	24.270	.120							1.0
GGNV	BZ	9599	43	IAMB		1739	26.90			69	1.1				
GGNV	BZ	9599	43	EP	P	1739	43.900	.080							1.0
GGNV	BN	9599	43	ESKS	Sac	1749	43.030	.030							1.0
MESJ	BZ	9604	45	EP		1739	24.670	.240							0.9
MESJ	BZ	9604	45	IAMB		1739	27.05			207	1.5				
MESJ	BZ	9604	45	EP	P	1739	44.00	-.090							1.0
MESJ	BZ	9604	45	EPP		1742	45.87	-.130							1.0
MESJ	BN	9604	45	ESKS	Sac	1749	43.410	.050							1.0

July 25 2016 Hour: 19:38 42.6 Lat: 2.95S Lon: 147.97E Depth: 7F Agency: IGL Distant
 Magnitudes: 6.5Ms IGL Rms: 0.0 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
GGNV	BZ15444	333	EPK	Pdf		1958	8.93	-.030							1.0
GGNV	BZ15444	333	EPP			20	1	0.580	.030						1.0
GGNV	BZ15444	333	IAMs	_20		2051	53.69			11988	37.2				
MESJ	BZ15473	331	EPK	Pdf		1958	9.43	-.030							1.0
MESJ	BZ15473	331	EPP			20	1	2.17	-.020						1.0
MESJ	BZ15473	331	IAMs	_20		2052	39.31			11556	25.5				
MORF	BZ15543	331	EPK	Pdf		1958	10.700	.050							1.0
MORF	BZ15543	331	EPP			20	1	6.12	-.010						1.0
MORF	BZ15543	331	IAMs	_20		2053	11.35			11308	23.6				

July 26 2016 Hour: 1:44 22.9 Lat: 37.01N Lon: 8.37W Depth: 16F 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	41	323	EP		144	29.91	-.020							1.0
MORF	HN	41	323	ES		144	35.130	.050							1.0
MORF	HN	41	323	IAML		144	36.04			3	0.2				
MESJ	HN	93	8	ES		144	48.43	-.040							1.0
MESJ	HN	93	8	IAML		144	50.29			2	0.2				

July 26 2016 Hour: 5:49 18.4 Lat: 0.33S Lon: 18.70W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.1 secs

CENTRAL MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4295	13	EP		556	41.62	-.100							1.0
MORF	BZ	4295	13	EPP		558	9.870	.110							1.0
MORF	BN	4295	13	ES		6	2	39.090	.090						1.0
MORF	BE	4295	13	IAMs_20		6	5	25.69		8501	36.5				
MESJ	BZ	4363	13	EP		556	46.66	-.100							1.0
MESJ	BZ	4363	13	EPP		558	16.450	.090							1.0
MESJ	BN	4363	13	ES		6	2	47.99	-.070						1.0
MESJ	BE	4363	13	IAMs_20		6	6	0.51		9619	46.9				
GGNV	BZ	4434	12	EP		556	51.99	-.090							1.0
GGNV	BN	4434	12	ES		6	2	57.720	.070						1.0
GGNV	BE	4434	12	IAMs_20		6	6	11.32		16524	38.9				

July 26 2016 Hour: 8:4 20.9 Lat: 16.01S Lon: 167.46E Depth: 34F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.0 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17493	353	EPKPdf			824	12.350	.010							1.0
MESJ	BZ17576	351	EPKPdf			824	13.300	.000							1.0
MESJ	BZ17576	351	EPP			828	26.780	.040							1.0
MESJ	BZ17576	351	IAMs_20			939	12.67			780	27.8				
MORF	BZ17641	352	EPKPdf			824	14.02	-.050							1.0
MORF	BZ17641	352	IAMs_20			934	42.99			996	28.3				

July 26 2016 Hour: 13:17 57.0 Lat: 36.84N Lon: 9.76W Depth: 10F 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	111	62	EP		1318	14.660	.020							1.0
MORF	HN	111	62	ES		1318	27.52	-.020							1.0
MORF	HN	111	62	IAML		1318	29.01			26	0.3				

July 26 2016 Hour: 20:13 50.0 Lat: 37.50N Lon: 16.42W Depth: 19F Agency: IGL Regional
Magnitudes: 2.6ML 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	688	89	EP		2015	18.12	-.170							1.0
MESJ	HZ	724	85	EP		2015	22.700	.190							1.0
MESJ	HN	724	85	ES		2016	30.01	-.020							1.0
MESJ	HN	724	85	IAML		2016	32.42			6	0.1				

July 27 2016 Hour: 1:25 12.6 Lat: 44.42S Lon: 79.05W Depth: 10F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

OFF COAST OF AISEN, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ11475	51	EPP			143	27.520	.100							1.0
MORF	BZ11475	51	IAMs_20			224	10.11			5210	17.5				
MESJ	BZ11544	50	EPP			143	31.91	-.100							1.0
MESJ	BZ11544	50	IAMs_20			224	54.66			3837	11.0				

July 27 2016 Hour: 2:50 43.2 Lat: 36.72N Lon: 7.21W Depth: 14F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	144	297	ES		251	21.17	-.000							1.0
MORF	HN	144	297	IAML		251	24.22			43	0.2				
MESJ	HZ	153	325	EP		251	6.290	.010							1.0
MESJ	HE	153	325	ES		251	23.12	-.010							1.0
MESJ	HN	153	325	IAML		251	28.62			30	0.1				

July 27 2016 Hour: 4:20 28.3 Lat: 21.58N Lon: 94.61E Depth: 97F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

MYANMAR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9633	309	EP		433	1.020	.060							1.0
MESJ	BZ	9633	309	IAMB		433	2.15			17	0.9				

July 27 2016 Hour: 6:0 55.4 Lat: 37.28N Lon: 8.99W Depth: 28F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	30	84	EP		6	1.890	.080							1.0
MORF	HN	30	84	ES		6	6.44	-.040							1.0
MORF	HN	30	84	IAML		6	7.03			76	0.1				
MESJ	HZ	92	47	EP		6	9.820	.010							1.0
MESJ	HE	92	47	ES		6	20.25	-.060							1.0
MESJ	HE	92	47	IAML		6	21.18			9	0.1				

July 27 2016 Hour: 6:43 46.1 Lat: 24.29S Lon: 67.86W Depth: 99F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

SALTA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9277	43	EP		656	2.410	.010							1.0
MESJ	BZ	9277	43	IAMB		656	4.11			39	1.1				

July 28 2016 Hour: 2:3 38.6 Lat: 35.58N Lon: 4.65W Depth: 24F Agency: IGL Regional
Magnitudes: 2.0ML 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	405	309	EP		2	4	32.09	-.040						1.0
MESJ	HE	405	309	ES		2	5	11.260	.030						1.0
MESJ	HN	405	309	IAML		2	5	13.36		3	0.1				
MORF	HZ	406	299	EP		2	4	32.22	-.050						1.0
MORF	HN	406	299	ES		2	5	11.530	.060						1.0
MORF	HN	406	299	IAML		2	5	13.74		5	0.1				

July 28 2016 Hour: 10:25 32.1 Lat: 35.41N Lon: 3.85W Depth: 30F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	475	306	EP		1026	33.750	.110							1.0
MESJ	HN	475	306	ES		1027	18.50	-.110							1.0
MESJ	HN	475	306	IAML		1027	24.26			3	0.3				

July 28 2016 Hour: 15:18 49.9 Lat: 35.47N Lon: 3.79W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	476	305	EP		1519	54.28	-.000							1.0
MORF	HN	482	296	ES		1520	42.580	.000							1.0
MORF	HN	482	296	IAML		1520	46.64			9	0.2				

July 28 2016 Hour: 16:44 57.1 Lat: 37.31N Lon: 8.62W Depth: 17F Agency: IGL Regional
Magnitudes: 0.3ML 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	262	EP		1644	59.91	-.010							1.0
MORF	HN	3	262	ES		1645	1.990	.010							1.0
MORF	HE	3	262	IAML		1645	2.80			10	0.1				

July 28 2016 Hour: 19:21 41.3 Lat: 34.66N Lon: 5.49W Depth: 0 Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.2 secs
MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	409	317	ES		1923	18.890	.180							1.0
MORF	HN	409	317	IAML		1923	20.70			16	0.4				
MESJ	HZ	430	326	EP		1922	39.92	-.190							1.0

July 29 2016 Hour: 3:11 7.0 Lat: 36.58N Lon: 11.06W Depth: 27F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	229	69	EP		311	38.38	-.100							1.0
MORF	HN	229	69	ES		312	1.580	.090							1.0
MORF	HN	229	69	IAML		312	3.24			11	0.2				
MESJ	HZ	288	60	EP		311	45.75	-.030							1.0
MESJ	HN	288	60	ES		312	14.160	.040							1.0
MESJ	HN	288	60	IAML		312	18.92			3	0.0				

July 29 2016 Hour: 3:55 48.1 Lat: 36.35N Lon: 14.01W Depth: 30F 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	HN	490	76	ES		357	37.65	-.100							1.0
MORF	HN	490	76	IAML		357	40.98			4	0.1				
MESJ	HZ	541	70	EP		356	57.710	.090							1.0
MESJ	HN	541	70	ES		357	48.360	.010							1.0
MESJ	HN	541	70	IAML		357	52.66			2	0.2				

July 29 2016 Hour: 6:45 25.3 Lat: 37.39N Lon: 8.51W Depth: 4F 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	16	233	EP		645	27.75	-.170							1.0
MORF	HN	16	233	ES		645	29.970	.140							1.0
MORF	HN	16	233	IAML		645	31.03			45	0.1				
MESJ	HZ	56	27	EP		645	34.33	-.050							1.0
MESJ	HE	56	27	ES		645	41.070	.070							1.0
MESJ	HN	56	27	IAML		645	41.79			3	0.2				

July 29 2016 Hour: 10:26 45.6 Lat: 36.91N Lon: 8.82W Depth: 27F 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	47	19	EP		1026	53.940	.050							1.0
MORF	HN	47	19	ES		1026	59.94	-.020							1.0
MORF	HN	47	19	IAML		1027	0.52			9	0.1				
MESJ	HZ	116	27	EP		1027	2.84	-.160							1.0
MESJ	HN	116	27	ES		1027	15.850	.130							1.0
MESJ	HE	116	27	IAML		1027	17.30			2	0.2				

July 29 2016 Hour: 20: 7 2.6 Lat: 36.63N Lon: 8.08W Depth: 5F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	91	326	EP		20	7	17.410.150							1.0
MORF	HN	91	326	ES		20	7	27.80-.150							1.0
MORF	HE	91	326	IAML		20	7	29.34		106	0.2				
MESJ	HZ	135	355	EP		20	7	24.100.000							1.0

July 29 2016 Hour: 21:18 24.8 Lat: 18.51N Lon: 145.53E Depth:212FAgency: IGL Distant
Magnitudes: 7.6Ms IGL Rms: 0.1 secs

PAGAN REGION, NORTH MARIANA ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13167	338	EPdif			2133	6.830.100								1.0
GGNV	BZ13167	338	EPKPdf			2136	46.630.020								1.0
GGNV	BZ13167	338	EPP			2138	5.860.090								1.0
GGNV	BN13167	338	ESS			2154	6.320.060								1.0
GGNV	BN13167	338	IAMs_20			2223	8.30		285000	36.0					
MESJ	BZ13215	336	EPdif			2133	8.690.020								1.0
MESJ	BZ13215	336	EPKPdf			2136	47.40-.060								1.0
MESJ	BZ13215	336	EPP			2138	8.69-.070								1.0
MESJ	BN13215	336	ESS			2154	11.890.050								1.0
MESJ	BE13215	336	IAMs_20			2223	16.92		117000	10.8					
MORF	BZ13285	337	EPdif			2133	11.52-.000								1.0
MORF	BZ13285	337	EPKPdf			2136	48.48-.240								0.9
MORF	BZ13285	337	EPP			2138	13.150.000								1.0
MORF	BE13285	337	IAMs_20			2220	33.98		142000	28.6					

July 29 2016 Hour: 23: 1 35.4 Lat: 36.72N Lon: 10.50W Depth: 32F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	177	68	EP		23	2	0.220.010							1.0
MORF	HE	177	68	ES		23	2	18.330.040							1.0
MORF	HN	177	68	IAML		23	2	19.99		33	0.1				
MESJ	HZ	237	58	EP		23	2	7.54-.140							1.0
MESJ	HE	237	58	ES		23	2	31.280.080							1.0
MESJ	HE	237	58	IAML		23	2	32.38		9	0.1				

July 30 2016 Hour: 2:17 30.8 Lat: 39.50N Lon: 9.29W Depth: 4F Agency: IGL Regional
Magnitudes: 3.7ML IGL Rms: 0.2 secs

NW CALDAS DA RAINHA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	88	172	EP		217	44.93-.070								1.0
GGNV	HN	88	172	ES		217	55.500.150								1.0
GGNV	HN	88	172	IAML		217	59.35		4105	0.3					
MESJ	HZ	206	153	EP		218	1.31-.210								0.9
MESJ	HN	206	153	ES		218	24.140.200								0.9
MESJ	HE	206	153	IAML		218	35.43		366	0.4					
MORF	HZ	250	167	EP		218	6.85-.080								0.9

July 30 2016 Hour: 5:19 28.9 Lat: 37.29N Lon: 8.63W Depth: 12F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.0 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	314	EP		519	30.95-.050								1.0
MORF	HE	3	314	ES		519	32.560.050								1.0
MORF	HN	3	314	IAML		519	32.80		17	0.2					
MESJ	HN	71	31	ES		519	48.710.010								1.0
MESJ	HE	71	31	IAML		519	50.22		0.80	0.1					

July 30 2016 Hour: 13:19 10.0 Lat: 6.95S Lon: 155.79E Depth: 55F Agency: IGL Distant
Rms: 0.0 secs

BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16204	339	EP	KPdf		1338	41.40	-.000							1.0
MESJ	BZ16252	337	EP	KPdf		1338	42.14	-.010							1.0
MORF	BZ16322	337	EP	KPdf		1338	43.270	.010							1.0

July 31 2016 Hour: 6:18 23.1 Lat: 37.79N Lon: 8.84W Depth: 18F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

SE SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	55	84	EP		618	32.13	-.100							1.0
MESJ	HN	55	84	ES		618	38.970	.100							1.0
MESJ	HN	55	84	IAML		618	40.38			107	0.1				
MORF	HZ	56	163	EP		618	32.36	-.090							1.0
MORF	HN	56	163	ES		618	39.300	.050							1.0
MORF	HN	56	163	IAML		618	41.06			126	0.2				
GGNV	HE	106	345	ES		618	52.260	.040							1.0
GGNV	HE	106	345	IAML		618	53.23			44	0.2				

July 31 2016 Hour: 11:15 57.6 Lat: 36.74N Lon: 8.66W Depth: 7F 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	63	1	EP		1116	7.990	.160							1.0
MORF	HN	63	1	ES		1116	15.16	-.120							1.0
MORF	HN	63	1	IAML		1116	18.39			97	0.4				
MESJ	HZ	128	18	EP		1116	17.91	-.070							1.0
MESJ	HE	128	18	ES		1116	32.870	.020							1.0
MESJ	HN	128	18	IAML		1116	35.92			41	0.2				

July 31 2016 Hour: 11:33 22.2 Lat: 56.28S Lon: 27.57W Depth: 103F Agency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.0 secs

SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10507	15	EP			1146	30.21	-.050							1.0
MORF	BZ10507	15	IAMB			1146	32.20			124	1.5				
MORF	BN10507	15	ES	KSac		1156	56.730	.010							1.0
MESJ	BZ10572	15	EP			1146	32.880	.020							1.0
MESJ	BZ10572	15	IAMB			1146	34.34			72	1.4				
MESJ	BN10572	15	ES	KSac		1156	59.800	.020							1.0

July 31 2016 Hour: 15:5 41.7 Lat: 39.30N Lon: 9.19W Depth: 10F Agency: IGL Regional
Magnitudes: 3.8ML IGL Rms: 0.2 secs

NE CADAVAL, PORTUGAL Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	65	177	EP		15	5	52.11	-.210						1.0
GGNV	HE	65	177	ES		15	6	0.460	.360						1.0
GGNV	HN	65	177	IAML		15	6	4.92		6200	0.3				
MESJ	HZ	183	152	EP		15	6	8.60	-.270						0.9
MESJ	HN	183	152	ES		15	6	28.830	.090						0.9
MESJ	HE	183	152	IAML		15	6	35.49		678	0.1				
MORF	HZ	227	168	EP		15	6	14.310	.020						0.9

July 31 2016 Hour: 15:41 25.6 Lat: 39.32N Lon: 9.04W Depth: 1 Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

W RIO MAIOR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	179	156	EP		1541	53.290	.150							1.0
MESJ	HE	179	156	ES		1542	13.11	-.150							1.0
MESJ	HE	179	156	IAML		1542	18.97			19	0.3				

July 31 2016 Hour: 18:49 59.6 Lat: 39.30N Lon: 9.05W Depth: 0 Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs
NE CADAVAL, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 178 156 EP 1850 26.98-.140 1.0
 MESJ HN 178 156 ES 1850 47.330.140 1.0
 MESJ HN 178 156 IAML 1850 52.82 7 0.2

July 31 2016 Hour: 23:40 0.3 Lat: 8.22S Lon: 117.82E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.0 secs
SUMBAWA REGION, INDONESIA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ13716 310 EPP 24 0 37.340.050 1.0
 MESJ BZ13716 310 IAMS_20 2455 20.47 483 19.0

August 1 2016 Hour: 3:48 51.3 Lat: 36.06N Lon: 7.90W Depth: 18F Agency: IGL Regional
Magnitudes: 4.2ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 154 334 EP 349 14.04-.090 1.0
 MORF HN 154 334 ES 349 30.830.030 1.0
 MORF HN 154 334 IAML 349 39.07 3796 0.4
 MESJ HZ 200 352 EP 349 19.870.090 1.0
 MESJ HN 200 352 ES 349 40.56-.030 1.0
 MESJ HN 200 352 IAML 349 54.41 1344 0.2

August 1 2016 Hour: 13:9 20.9 Lat: 36.60N Lon: 11.25W Depth: 31F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 244 71 EP 13 9 53.16-.100 1.0
 MORF HN 244 71 ES 1310 16.91-.010 1.0
 MORF HN 244 71 IAML 1310 19.23 14 0.2
 MESJ HE 302 62 ES 1310 29.370.120 1.0
 MESJ HN 302 62 IAML 1310 31.48 3 0.1

August 1 2016 Hour: 17:26 56.4 Lat: 37.08N Lon: 10.19W Depth: 30F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs
NORTH ATLANTIC OCEAN Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 139 79 EP 1727 16.43-.090 1.0
 MESJ HZ 194 64 EP 1727 23.320.040 1.0
 MESJ HE 194 64 ES 1727 42.940.050 1.0
 MESJ HE 194 64 IAML 1727 44.10 5 0.1

August 2 2016 Hour: 8:31 26.0 Lat: 36.58N Lon: 11.24W Depth: 31F 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 244 70 EP 831 58.360.010 1.0
 MORF HE 244 70 ES 832 22.000.000 1.0
 MORF HN 244 70 IAML 832 24.36 12 0.1
 MESJ HZ 302 62 EP 832 5.49-.030 1.0
 MESJ HN 302 62 ES 832 34.420.010 1.0
 MESJ HE 302 62 IAML 832 38.06 2 0.1

August 2 2016 Hour: 13:30 10.0 Lat: 36.91N Lon: 8.60W 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 44 354 EP 1330 17.520.010 1.0
 MORF HN 44 354 ES 1330 23.120.080 1.0
 MORF HN 44 354 IAML 1330 24.05 24 0.1

MESJ HZ	109	18	EP	1330	27.01	-	.080															1.0
MESJ HE	109	18	ES	1330	39.59	-	.010															1.0
MESJ HN	109	18	IAML	1330	42.43									2	0.1							

August 2 2016 Hour: 20:55 34.2 Lat: 35.61N Lon: 3.71W 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		2056	38.200	.010							1.0

August 3 2016 Hour: 3:41 49.0 Lat: 35.75N Lon: 3.63W 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	471	301	EP		342	52.82	-.000							1.0

August 3 2016 Hour: 22: 4 48.5 Lat: 34.44N Lon: 5.55W Depth: 5F Agency: IGL Regional Rms: 0.0 secs

**Magnitudes: 1.9ML IGL
MOROCCO Net: IMP**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	447	328	EP		22 5	48.940	.030							1.0
MESJ HN	447	328	ES		22 6	33.00	-.030							1.0
MESJ HE	447	328	IAML		22 6	35.04				3	0.3			

August 3 2016 Hour: 23:26 5.4 Lat: 38.60N Lon: 9.11W Depth: 24F Agency: IGL Regional Rms: 0.0 secs

**Magnitudes: 1.0ML IGL
S SEIXAL, PORTUGAL Net: IMP**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	115	137	EP		2326	22.82	-.010							1.0
MESJ HE	115	137	ES		2326	35.610	.010							1.0
MESJ HN	115	137	IAML		2326	37.42				3	0.1			

August 4 2016 Hour: 3:20 13.4 Lat: 38.72N Lon: 7.90W Depth: 18F Agency: IGL Regional Rms: 0.0 secs

E ARRAILOS, PORTUGAL Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	102	196	EP		320	29.51	-.010							1.0
MESJ HN	102	196	ES		320	41.27	-.020							1.0
MESJ HN	102	196	IAML		320	43.94				63	0.1			
MORF HZ	170	203	EP		320	38.300	.020							1.0
MORF HN	170	203	ES		320	56.450	.000							1.0
MORF HN	170	203	IAML		321	1.84				43	0.2			

August 4 2016 Hour: 8:54 9.1 Lat: 36.95N Lon: 8.79W Depth: 14F Agency: IGL Regional Rms: 0.0 secs

**Magnitudes: 1.2ML IGL
WEST OF GIBRALTAR Net: IMP**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	41	17	EP		854	16.06	-.030							1.0
MORF HN	41	17	ES		854	21.17	-.030							1.0
MORF HN	41	17	IAML		854	22.01				13	0.1			
MESJ HZ	111	27	EP		854	26.580	.020							1.0
MESJ HN	111	27	ES		854	39.370	.050							1.0
MESJ HN	111	27	IAML		854	40.94				8	0.2			

August 4 2016 Hour: 14:15 11.5 Lat: 22.33S Lon: 66.00W Depth: 254FAgency: IGL Distant Rms: 0.1 secs

**Magnitudes: 5.9Mb IGL
JUJUY, ARGENTINA Net: NEIC**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ	8922	43	EP		1426	53.75	-.070							1.0
MORF BZ	8922	43	I Amb		1426	57.42				204	1.2			
MORF BN	8922	43	ES		1436	37.57	-.070							1.0
GGNV BZ	8984	42	EP		1426	56.64	-.020							1.0
GGNV BZ	8984	42	I Amb		1426	59.85				560	1.8			
GGNV BN	8984	42	ES		1436	43.19	-.020							1.0

MESJ BZ 8988	43	EP	1426	56.89-.020															1.0
MESJ BZ 8988	43	IAmb	1426	59.85					469	1.8									
MESJ BZ 8988	43	EP	1427	57.180.200															0.9
MESJ BN 8988	43	ES	1436	43.720.030															1.0

August 4 2016 Hour: 16:24 34.4 Lat: 24.99N Lon: 141.96E Depth:517F Agency: IGL Distant Rms: 0.1 secs

VOLCANO ISLANDS, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ12360	336	EP			1642	57.660.080								1.0
MESJ	BZ12407	335	EP	dif		1638	14.62-.000								1.0
MESJ	BZ12407	335	EP			1643	0.50-.080								1.0
MESJ	BN12407	335	ES	KSac		1648	2.230.040								1.0
MORF	BZ12477	335	EP			1643	5.04-.040								1.0

August 5 2016 Hour: 6:1 21.2 Lat: 38.24N Lon: 9.44W Depth: 1 Agency: IGL Regional Magnitudes: 2.6ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	59	26	EP		6	1	30.66-.010							1.0
GGNV	HN	59	26	ES		6	1	37.790.200							1.0
GGNV	HE	59	26	IAML		6	1	39.68		303	0.2				
MESJ	HZ	116	112	EP		6	1	39.65-.260							1.0
MESJ	HN	116	112	ES		6	1	53.630.060							1.0
MESJ	HN	116	112	IAML		6	1	57.64		95	0.3				
MORF	HZ	125	146	EP	n	6	1	42.00-.040							1.0
MORF	HN	125	146	ES	n	6	1	57.290.040							1.0
MORF	HN	125	146	IAML		6	1	58.44		90	0.2				

August 5 2016 Hour: 16:44 58.8 Lat: 38.20N Lon: 9.56W Depth: 12F Agency: IGL Regional Magnitudes: 1.3ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	124	108	EP		1645	18.36	0.05							1.0
MESJ	HN	124	108	ES		1645	32.50-0.05								1.0
MESJ	HE	124	108	IAML		1645	35.57			5	0.3				

August 5 2016 Hour: 17:49 31.0 Lat: 14.59N Lon: 45.12W Depth: 10F Agency: IGL Distant Magnitudes: 5.0Mb IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4393	48	EP		1757	1.59-.020								1.0
MORF	BZ	4393	48	IAmb		1757	3.92			39	1.0				
MORF	BN	4393	48	ES		18	3	4.59-.100							1.0
MESJ	BZ	4453	48	EP		1757	6.110.090								1.0
MESJ	BZ	4453	48	IAmb		1757	8.06			32	1.0				
MESJ	BN	4453	48	ES		18	3	12.680.040							1.0

August 5 2016 Hour: 18:30 40.6 Lat: 36.62N Lon: 9.66W Depth: 16F Agency: IGL Regional Magnitudes: 1.6ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	49	EP		1830	59.13-.030								1.0
MORF	HN	118	49	ES		1831	12.760.060								1.0
MORF	HN	118	49	IAML		1831	14.28			19	0.2				
MESJ	HZ	186	43	EP		1831	7.59-.030								1.0
MESJ	HN	186	43	ES		1831	27.340.010								1.0
MESJ	HN	186	43	IAML		1831	28.88			4	0.1				

August 5 2016 Hour: 20:43 36.9 Lat: 38.93N Lon: 9.01W Depth: 0 Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs
SW VILA FRANCA DE XIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	139	150	EP		2043	59.26	-.070							1.0
MESJ	HN	139	150	ES		2044	15.780	.070							1.0
MESJ	HN	139	150	IAML		2044	18.08			2	0.1				

August 6 2016 Hour: 7: 5 26.8 Lat: 36.54N Lon: 7.55W Depth: 22F 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
MESJ	HZ	156	338	EP		7 5	49.55	-.000							1.0
MESJ	HN	156	338	ES		7 6	6.160	.000							1.0
MESJ	HE	156	338	IAML		7 6	7.11			2	0.1				

August 6 2016 Hour: 12:42 51.7 Lat: 35.43N Lon: 3.78W Depth: 0 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
MESJ	HZ	479	305	EP		1243	56.28	-.240							1.0
MESJ	HN	479	305	ES		1244	43.940	.090							1.0
MESJ	HN	479	305	IAML		1244	48.14			3	0.2				
MORF	HN	485	297	ES		1244	45.190	.150							1.0
MORF	HE	485	297	IAML		1244	48.74			8	0.3				

August 6 2016 Hour: 16:55 42.9 Lat: 36.51N Lon: 9.73W Depth: 10F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.2 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	131	47	EP		1656	3.470	.020							1.0
MORF	HN	131	47	ES		1656	18.630	.140							1.0
MORF	HN	131	47	IAML		1656	19.04			13	0.2				
MESJ	HZ	199	42	EP		1656	11.77	-.290							1.0
MESJ	HN	199	42	ES		1656	33.510	.130							1.0
MESJ	HE	199	42	IAML		1656	35.42			3	0.1				

August 6 2016 Hour: 18:13 41.6 Lat: 37.40N Lon: 8.88W Depth: 19F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs
NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	23	117	EP		1813	46.24	-.130							1.0
MORF	HN	23	117	ES		1813	49.82	-.010							1.0
MORF	HN	23	117	IAML		1813	50.79			10	0.1				
MESJ	HZ	76	50	EP		1813	54.030	.120							1.0
MESJ	HN	76	50	ES		1814	2.900	.030							1.0
MESJ	HN	76	50	IAML		1814	4.13			4	0.2				

August 7 2016 Hour: 2:27 2.4 Lat: 37.87N Lon: 3.23W Depth: 12F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.0 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	439	271	EP		228	1.02	-.030							1.0
MESJ	HN	439	271	ES		228	43.920	.030							1.0
MESJ	HN	439	271	IAML		229	13.42			14	1.3				

August 7 2016 Hour: 13:14 30.2 Lat: 37.06N Lon: 10.44W Depth: 24F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	161	80	EP		1314	53.42	-0.09							1.0
MESJ	HN	215	66	ES		1315	22.01	0.09							1.0
MESJ	HE	215	66	IAML		1315	22.68			2	0.1				

August 8 2016 Hour: 9:44 49.4 Lat: 37.31N Lon: 8.62W Depth: 14F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	262	EP		944	51.56	-.250							1.0
MORF	HN	3	262	ES		944	53.64	0.100							1.0
MORF	HN	3	262	IAML		944	54.08			145	0.2				
MESJ	HZ	69	31	EP		945	0.65	0.130							1.0
MESJ	HN	69	31	ES		945	8.63	0.030							1.0
MESJ	HN	69	31	IAML		945	10.61			11	0.0				

August 8 2016 Hour: 19:48 17.5 Lat: 36.77N Lon: 9.44W Depth: 27F 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	92	49	EP		1948	31.89	-.100							1.0
MORF	HN	92	49	ES		1948	42.63	0.080							1.0
MORF	HN	92	49	IAML		1948	43.98			19	0.2				
MESJ	HZ	161	42	EP		1948	40.43	-.040							1.0
MESJ	HN	161	42	ES		1948	57.29	0.060							1.0
MESJ	HN	161	42	IAML		1948	57.94			4	0.2				

August 8 2016 Hour: 22:42 5.1 Lat: 36.74N Lon: 9.20W Depth: 31F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	80	38	EP		2242	17.02	-.060							1.0
MORF	HN	80	38	ES		2242	25.83	0.040							1.0
MORF	HN	80	38	IAML		2242	26.82			10	0.3				
MESJ	HZ	150	35	EP		2242	25.78	0.020							1.0

August 9 2016 Hour: 1:21 49.5 Lat: 37.26N Lon: 13.12W Depth: 5F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	396	88	EP		122	43.69	0.010							1.0
MORF	HE	396	88	ES		123	23.10	-.140							1.0
MORF	HN	396	88	IAML		123	25.80			3	0.1				
MESJ	HE	438	80	ES		123	32.15	0.130							1.0
MESJ	HE	438	80	IAML		123	34.85			2	0.1				

August 9 2016 Hour: 1:56 39.2 Lat: 37.13N Lon: 5.41W Depth: 0 Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	261	289	EP		157	17.17	0.180							1.0
MESJ	HN	261	289	ES		157	44.51	-.050							1.0
MESJ	HN	261	289	IAML		157	59.17			33	0.4				
MORF	HZ	288	275	EP		157	20.25	-.190							1.0
MORF	HE	288	275	ES		157	50.57	0.050							1.0
MORF	HE	288	275	IAML		158	2.84			46	0.3				

August 9 2016 Hour: 1:59 52.8 Lat: 37.09N Lon: 5.42W Depth: 11F Agency: IGL Regional
Magnitudes: 2.8ML 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	261	289	EP		2 0	29.76	0.140							1.0
MESJ	HN	261	289	ES		2 0	56.42	-.070							1.0
MESJ	HN	261	289	IAML		2 1	13.52			51	0.2				
MORF	HZ	288	276	EP		2 0	32.87	-.070							1.0

August 9 2016 Hour: 18:33 35.9 Lat: 36.50N Lon: 4.59W Depth: 59F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	355	296	EP		1834	22.350	.060							1.0
MESJ	HE	355	296	ES		1834	55.96-	.220							1.0
MESJ	HN	355	296	IAML		1834	58.38			2	0.1				
MORF	HZ	373	285	EP		1834	24.560	.070							1.0
MORF	HE	373	285	ES		1835	0.060	.090							1.0
MORF	HE	373	285	IAML		1835	3.36			8	0.2				

August 10 2016 Hour: 11:55 14.7 Lat: 36.46N Lon: 7.74W Depth: 32F 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	124	319	EP		1155	32.74-	.160							1.0
MORF	HN	124	319	ES		1155	46.12-	.070							1.0
MORF	HN	124	319	IAML		1155	46.96			6	0.2				
MESJ	HZ	159	345	EP		1155	37.330	.140							1.0
MESJ	HN	159	345	ES		1155	53.690	.090							1.0
MESJ	HN	159	345	IAML		1155	55.06			7	0.2				

August 11 2016 Hour: 0:55 11.4 Lat: 36.82N Lon: 8.23W Depth: 22F 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	66	325	EP		055	22.12-	.140							1.0
MORF	HN	66	325	ES		055	30.260	.070							1.0
MORF	HE	66	325	IAML		055	31.14			6	0.1				
MESJ	HN	113	0	ES		055	41.620	.080							1.0
MESJ	HE	113	0	IAML		055	43.82			3	0.1				

August 11 2016 Hour: 9:24 30.5 Lat: 36.68N Lon: 12.81W Depth: 31F Agency: IGL Regional
Magnitudes: 4.6ML 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	377	78	EP		925	19.15-	.130							1.0
MORF	HE	377	78	ES		925	54.79-	.120							1.0
MORF	HN	377	78	IAML		925	57.30			1293	0.3				
GGNV	HZ	394	54	EP		925	21.500	.170							1.0
GGNV	HN	394	54	ES		925	58.46-	.010							1.0
GGNV	HN	394	54	IAML		925	59.40			5421	0.6				
MESJ	HZ	427	71	EP		925	25.340	.000							1.0
MESJ	HE	427	71	ES		926	5.490	.090							1.0
MESJ	HN	427	71	IAML		926	8.80			471	0.2				

August 11 2016 Hour: 10:44 20.9 Lat: 36.80N Lon: 11.28W Depth: 30F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	241	76	EP		1044	53.640	.060							1.0
MORF	HN	241	76	ES		1045	17.29-	.180							1.0
MORF	HN	241	76	IAML		1045	19.20			15	0.1				
MESJ	HE	295	66	ES		1045	29.200	.130							1.0
MESJ	HN	295	66	IAML		1045	31.62			3	0.2				

August 11 2016 Hour: 12:48 29.6 Lat: 36.82N Lon: 12.74W Depth: 30F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	368	80	EP		1249	18.12-	.030							1.0
MORF	HE	368	80	ES		1249	53.610	.040							1.0
MORF	HE	368	80	IAML		1249	56.84			9	0.3				

MESJ HE 416 73 ES 1250 3.80-.010 1.0
 MESJ HE 416 73 IAML 1250 6.56 2 0.1

**August 12 2016 Hour: 1:26 35.2 Lat: 22.50S Lon: 173.11E Depth: 10F Agency: IGL Distant
 Magnitudes: 7.6Ms IGL Rms: 0.0 secs**

SOUTHEAST LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18216	6	EP	KPdf		146	37.75	-.010							1.0
GGNV	BE18216	6	IAMs	20		252	29.47		80560	23.0					
MESJ	BZ18321	4	EP	KPdf		146	38.71	0.050							1.0
MESJ	BZ18321	4	IAMs	20		258	48.72		88600	18.0					
MORF	BZ18377	5	EP	KPdf		146	39.11	-.040							1.0
MORF	BZ18377	5	IAMs	20		3 2	49.53		112000	34.2					

**August 12 2016 Hour: 1:36 21.0 Lat: 35.57N Lon: 3.75W Depth: 0 Agency: IGL Regional
 Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	472	304	EP		137	25.03	0.010							1.0

**August 12 2016 Hour: 5:34 33.7 Lat: 36.42N Lon: 7.86W Depth: 30F Agency: IGL Regional
 Magnitudes: 1.7ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	161	349	EP		534	56.51	0.060							1.0
MESJ	HE	161	349	ES		535	13.02	-.060							1.0
MESJ	HN	161	349	IAML		535	14.26		9	0.1					

**August 12 2016 Hour: 12:20 2.2 Lat: 36.38N Lon: 7.92W Depth: 32F Agency: IGL Regional
 Magnitudes: 2.3ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	122	328	EP		1220	20.02	-.040							1.0
MORF	HN	122	328	ES		1220	33.04	-.080							1.0
MORF	HN	122	328	IAML		1220	33.89		49	0.1					
MESJ	HZ	164	351	EP		1220	25.43	0.140							1.0
MESJ	HE	164	351	ES		1220	42.17	-.010							1.0
MESJ	HN	164	351	IAML		1220	43.35		30	0.2					

**August 12 2016 Hour: 18:0 56.2 Lat: 40.72N Lon: 78.31E Depth: 4F Agency: IGL Distant
 Magnitudes: 5.7Mb IGL Rms: 0.0 secs**

SOUTHERN XINJIANG, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7150	299	EP		1811	32.97	-.050							1.0
MESJ	BZ	7150	299	IAMB		1811	39.01		70	1.5					

**August 13 2016 Hour: 0:50 6.5 Lat: 35.71N Lon: 3.59W Depth: 0 Agency: IGL Regional
 Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	476	301	EP		051	10.94	-.000							1.0

**August 13 2016 Hour: 8:29 50.9 Lat: 37.73N Lon: 101.58E Depth: 21F Agency: IGL Distant
 Magnitudes: 5.1Mb IGL Rms: 0.0 secs**

NORTHERN QINGHAI, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8986	311	EP		842	3.12	-.030							1.0
MESJ	BZ	8986	311	IAMB		842	3.70		22	1.0					

August 13 2016 Hour: 9:33 11.9 Lat: 38.50N Lon: 7.90W Depth: 5F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

S EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	79	201	EP		933	24.57	-.030							1.0
MESJ	HN	79	201	ES		933	33.900	.030							1.0
MESJ	HN	79	201	IAML		933	37.83			23	0.2				
MORF	HZ	148	207	EP		933	35.17	-.120							1.0
MORF	HN	148	207	ES		933	52.460	.110							1.0
MORF	HE	148	207	IAML		933	56.30			16	0.2				

August 14 2016 Hour: 11:15 14.9 Lat: 50.43N Lon: 142.26E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs

SAKHALIN, RUSSIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9748	338	EPP		1131	29.270	.050							1.0
GGNV	BZ	9748	338	IAMs_20		1213	40.12			2353	17.9				
MESJ	BZ	9815	337	EP		1128	6.510	.130							1.0
MESJ	BZ	9815	337	EPP		1131	34.140	.030							1.0
MESJ	BN	9815	337	ESKSac		1138	35.11	-.060							1.0
MESJ	BN	9815	337	IAMs_20		12	7	10.07		2206	20.2				
MORF	BZ	9883	337	EP		1128	9.27	-.050							1.0
MORF	BZ	9883	337	EPP		1131	38.97	-.090							1.0
MORF	BN	9883	337	ESKSac		1138	38.950	.000							1.0
MORF	BN	9883	337	IAMs_20		1211	10.44			1713	14.7				

August 14 2016 Hour: 14:14 41.8 Lat: 38.41N Lon: 7.89W Depth: 1 Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

NE VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	70	205	EP		1414	53.03	-.010							1.0
MESJ	HN	70	205	ES		1415	1.22	-.020							1.0
MESJ	HN	70	205	IAML		1415	2.80			7	0.1				
MORF	HZ	140	209	EP		1415	4.290	.060							1.0
MORF	HN	140	209	ES		1415	20.56	-.030							1.0
MORF	HN	140	209	IAML		1415	22.62			11	0.2				

August 14 2016 Hour: 14:53 17.6 Lat: 34.90N Lon: 2.94W Depth: 7F 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	575	306	EP		1454	33.310	.000							1.0

August 14 2016 Hour: 19:40 42.8 Lat: 37.34N Lon: 8.49W Depth: 12F 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	15	255	EP		1940	45.70	-.190							1.0
MORF	HN	15	255	ES		1940	48.270	.100							1.0
MORF	HN	15	255	IAML		1940	48.70			136	0.2				
MESJ	HZ	60	23	EP		1940	52.730	.140							1.0
MESJ	HE	60	23	ES		1940	59.72	-.040							1.0
MESJ	HE	60	23	IAML		1941	1.06			4	0.1				

August 14 2016 Hour: 19:42 23.9 Lat: 37.98N Lon: 9.16W Depth: 12F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	84	100	EP		1942	37.27	-.030							1.0
MESJ	HN	84	100	ES		1942	47.03	-.070							1.0
MESJ	HN	84	100	IAML		1942	48.65			12	0.2				
MORF	HZ	87	149	EP		1942	37.900	.110							1.0
MORF	HN	87	149	ES		1942	47.92	-.020							1.0

MORF HE 87 149 IAML 1942 49.06 18 0.1

August 15 2016 Hour: 17: 6 21.4 Lat: 30.60N Lon: 114.28W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs
GULF OF CALIFORNIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9240	50	EP		1718	47.45	-.030							1.0
MESJ	BZ	9240	50	IAMB		1718	48.70			28	1.4				

August 15 2016 Hour: 20:54 34.6 Lat: 37.33N Lon: 8.54W Depth: 13F 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	10	255	EP		2054	37.17	-.110							1.0
MORF	HE	10	255	ES		2054	39.400	.130							1.0
MORF	HN	10	255	IAML		2054	39.89			65	0.2				
MESJ	HZ	63	26	EP		2054	44.930	.110							1.0
MESJ	HN	63	26	ES		2054	52.18	-.130							1.0
MESJ	HE	63	26	IAML		2054	53.35			3	0.1				

August 15 2016 Hour: 22:42 44.6 Lat: 36.18N Lon: 1.56W Depth: 29F Agency: IGL Regional
Magnitudes: 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	621	289	EP		2244	3.87	-.030							1.0

August 16 2016 Hour: 18:17 32.1 Lat: 19.76S Lon: 71.09W Depth: 18F Agency: IGL Distant
Magnitudes: 4.7Ms IGL Rms: 0.1 secs

OFF COAST OF TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9153	45	EP		1829	52.42	-.080							1.0
MESJ	BN	9153	45	ESS		1845	28.640	.080							1.0
MESJ	BZ	9153	45	IAMS_20		19 7	42.10			338	20.6				

August 16 2016 Hour: 19:56 10.0 Lat: 38.21N Lon: 9.49W Depth: 2F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	119	110	EP		1956	29.140	.020							1.0
MESJ	HN	119	110	ES		1956	43.07	-.020							1.0
MESJ	HN	119	110	IAML		1956	46.18			6	0.2				

August 17 2016 Hour: 1:50 2.0 Lat: 37.33N Lon: 8.59W Depth: 18F Agency: IGL Regional
Magnitudes: 0.2ML 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
MESJ	HZ	65	30	EP		150	12.62	-.000							1.0
MESJ	HN	65	30	ES		150	20.400	.000							1.0
MESJ	HE	65	30	IAML		150	21.09			1	0.1				

August 17 2016 Hour: 19:42 44.7 Lat: 36.45N Lon: 7.61W Depth: 15F Agency: IGL Regional
Magnitudes: 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	163	341	EP		1943	9.020	.000							1.0

August 17 2016 Hour: 20:27 26.2 Lat: 37.88N Lon: 3.26W Depth: 5F Agency: IGL Regional
Magnitudes: 2.1ML 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	436	271	EP		2028	25.31	-.030							1.0
MESJ	HN	436	271	ES		2029	8.540	.030							1.0
MESJ	HN	436	271	IAML		2029	11.31			4	0.5				

August 18 2016 Hour: 2:22 16.9 Lat: 37.44N Lon: 13.70W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML 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	447	90	EP		223	17.84	-.030							1.0
MORF	HE	447	90	ES		224	2.27	-.100							1.0
MORF	HN	447	90	IAML		224	6.04		35	0.2					
MESJ	HZ	486	83	EP		223	22.520	.040							1.0
MESJ	HN	486	83	ES		224	10.440	.100							1.0
MESJ	HN	486	83	IAML		224	13.70		18	0.1					

August 18 2016 Hour: 12: 0 22.7 Lat: 39.24N Lon: 10.70W Depth: 78F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	146	113	EP		12 0	44.630	.030							1.0
GGNV	HN	146	113	ES		12 1	0.670	.060							1.0
GGNV	HN	146	113	IAML		12 1	3.41		920	0.4					
MESJ	HZ	266	125	EP		12 0	58.720	.060							0.9
MESJ	HN	266	125	ES		12 1	24.78	-.140							0.9
MESJ	HN	266	125	IAML		12 1	27.18		58	0.2					
MORF	HZ	280	139	EP		12 1	0.20	-.090							0.9
MORF	HN	280	139	ES		12 1	27.820	.070							0.9
MORF	HE	280	139	IAML		12 1	29.27		288	0.1					

August 18 2016 Hour: 15:28 24.2 Lat: 38.78N Lon: 7.98W Depth: 6F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NE ARRAILOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	106	191	EP		1528	41.470	.090							1.0
MESJ	HN	106	191	ES		1528	53.81	-.090							1.0
MESJ	HN	106	191	IAML		1528	55.12		10	0.1					

August 19 2016 Hour: 7:32 23.5 Lat: 55.28S Lon: 31.87W Depth: 10F Agency: IGL Distant
Magnitudes: 7.4Ms IGL Rms: 0.1 secs

SOUTH GEORGIA ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10478	18	EP			745	42.270	.010							1.0
MORF	BZ10478	18	EPP			749	30.230	.050							1.0
MORF	BN10478	18	ESKSac			756	18.07	-.180							0.9
MORF	BN10478	18	ESS			8 3	18.09	-.040							1.0
MORF	BZ10478	18	IAMs_20			817	0.01		296000	42.4					
MESJ	BZ10544	19	EP			745	44.930	.010							1.0
MESJ	BZ10544	19	EPP			749	34.860	.080							1.0
MESJ	BN10544	19	ESKSac			756	21.27	-.110							1.0
MESJ	BN10544	19	ESS			8 3	26.570	.030							1.0
MESJ	BZ10544	19	IAMs_20			817	37.20		257000	39.2					
GGNV	BZ10620	18	EP			745	48.060	.080							1.0
GGNV	BZ10620	18	EPP			749	40.180	.080							1.0
GGNV	BN10620	18	ESKSac			756	24.84	-.160							0.9
GGNV	BN10620	18	ESS			8 3	36.400	.140							1.0
GGNV	BZ10620	18	IAMs_20			817	13.36		225000	33.7					

August 19 2016 Hour: 11:44 19.1 Lat: 39.31N Lon: 10.44W Depth: 29F Agency: IGL Regional
Magnitudes: 4.2ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	130	120	EP		1144	38.350	.270							1.0
GGNV	HN	130	120	ES		1144	52.090	.150							1.0
GGNV	HN	130	120	IAML		1144	57.69		9743	0.4					
MESJ	HZ	253	129	EP		1144	53.420	.000							0.9
MESJ	HN	253	129	ES		1145	18.37	-.100							0.9
MESJ	HN	253	129	IAML		1145	35.51		592	0.5					

MORF HZ	272	144	EP		1144	55.47-	.310												0.9
MORF HN	272	144	ES		1145	22.48-	.070												0.9
MORF HN	272	144	IAML		1145	27.22				1175	0.3								

**August 19 2016 Hour: 17:33 40.8 Lat: 55.21S Lon: 32.07W Depth: 4F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.1 secs**

SOUTH GEORGIA ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BN10474	19	ESKSac			1757	37.11-	.030							1.0
MORF	BN10474	19	IAMs_20			1824	38.96		2175	24.1					
MESJ	BZ10541	19	EP			1747	3.180.	.100							1.0
MESJ	BN10541	19	ESKSac			1757	40.22-	.060							1.0
MESJ	BZ10541	19	IAMs_20			1823	53.80		1543	16.2					

**August 20 2016 Hour: 9:1 26.4 Lat: 40.36N Lon: 143.68E Depth: 10F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.1 secs**

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10836	339	EPP			918	57.360.	.090							1.0
GGNV	BE10836	339	IAMs_20			954	43.38		26255	35.3					
MESJ	BZ10898	338	EP			915	2.620.	.040							1.0
MESJ	BZ10898	338	EPP			919	1.53-	.040							1.0
MESJ	BN10898	338	ESKSac			925	40.39-	.050							1.0
MESJ	BZ10898	338	IAMs_20			10 7	54.62		10979	17.7					
MORF	BZ10967	338	EPdif			915	5.47-	.090							1.0
MORF	BZ10967	338	EPP			919	6.440.	.070							1.0
MORF	BN10967	338	ESKSac			925	43.65-	.020							1.0
MORF	BE10967	338	IAMs_20			955	55.50		15293	24.4					

**August 20 2016 Hour: 15:58 4.3 Lat: 40.29N Lon: 143.75E Depth: 10F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs**

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10845	339	EPP			1615	35.81-	.040							1.0
GGNV	BE10845	339	IAMs_20			1651	19.14		12494	27.6					
MESJ	BZ10907	338	EP			1611	41.120.	.210							0.9
MESJ	BZ10907	338	EPP			1615	40.15-	.000							1.0
MESJ	BN10907	338	ESKSac			1622	18.840.	.030							1.0
MESJ	BZ10907	338	IAMs_20			17 4	3.19		6282	14.3					
MORF	BZ10975	338	EPP			1615	44.87-	.080							1.0
MORF	BN10975	338	ESKSac			1622	21.95-	.090							1.0
MORF	BE10975	338	IAMs_20			1656	53.50		7857	22.1					

**August 20 2016 Hour: 20:25 30.7 Lat: 36.20N Lon: 11.32W Depth: 21F 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	268	EP			2026	7.590.	.070							1.0
MORF	HN	268	ES			2026	34.28-	.100							1.0
MORF	HN	268	IAML			2026	36.27		17	0.1					
MESJ	HZ	330	EP			2026	15.20-	.040							1.0
MESJ	HN	330	ES			2026	47.790.	.070							1.0
MESJ	HN	330	IAML			2026	51.61		10	0.2					

**August 21 2016 Hour: 3:45 23.8 Lat: 55.28S Lon: 31.75W Depth: 10F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs**

SOUTH GEORGIA ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10475	18	EP			358	42.490.	.070							1.0
MORF	BN10475	18	ESKSac			4 9	18.35-	.040							1.0
MORF	BN10475	18	IAMs_20			436	26.88		4337	18.4					
MESJ	BZ10541	19	EP			358	45.140.	.070							1.0
MESJ	BE10541	19	ESKSac			4 9	21.41-	.110							1.0
MESJ	BN10541	19	IAMs_20			436	54.59		3829	16.2					

GGNV BN10618 18 ESKSac 4 9 25.14-.010 1.0
 GGNV BZ10618 18 IAMs_20 438 5.91 4949 17.4

**August 21 2016 Hour: 5:55 32.7 Lat: 36.89N Lon: 8.63W Depth: 27F 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	46	358	EP		555	40.980	.030							1.0
MORF	HN	46	358	ES		555	46.95-	.050							1.0
MORF	HE	46	358	IAML		555	48.12		5	0.2					
MESJ	HZ	111	19	EP		555	49.46-	.060							1.0
MESJ	HE	111	19	ES		556	1.910	.080							1.0
MESJ	HE	111	19	IAML		556	3.26		1.00	0.1					

**August 21 2016 Hour: 12:49 6.3 Lat: 37.26N Lon: 8.60W Depth: 23F Agency: IGL Regional
 Magnitudes: 0.7ML IGL Rms: 0.1 secs**

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	319	EP		1249	9.730	.060							1.0
MORF	HE	7	319	ES		1249	12.180	.020							1.0
MORF	HN	7	319	IAML		1249	12.87		16	0.1					
MESJ	HZ	73	27	EP		1249	17.95-	.090							1.0

**August 21 2016 Hour: 16:18 26.2 Lat: 37.20N Lon: 8.66W Depth: 24F 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	12	4	EP		1618	30.470	.050							1.0
MORF	HN	12	4	ES		1618	33.47-	.050							1.0
MORF	HE	12	4	IAML		1618	33.93		7	0.2					

**August 21 2016 Hour: 20:44 21.4 Lat: 36.12N Lon: 7.58W Depth: 20F Agency: IGL Regional
 Magnitudes: 1.7ML IGL Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	163	324	EP		2044	45.240	.030							1.0
MORF	HN	163	324	ES		2045	2.55-	.030							1.0
MORF	HE	163	324	IAML		2045	6.97		8	0.2					

**August 21 2016 Hour: 22:51 14.2 Lat: 38.12N Lon: 8.29W Depth: 4F Agency: IGL Regional
 Magnitudes: 0.4ML IGL Rms: 0.0 secs**

NE FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	32	169	EP		2251	19.330	.000							1.0
MESJ	HN	32	169	ES		2251	23.09-	.000							1.0
MESJ	HN	32	169	IAML		2251	23.98		5	0.5					

**August 23 2016 Hour: 2:11 12.9 Lat: 23.89N Lon: 94.69E Depth:106F Agency: IGL Distant
 Magnitudes: 5.1Mb IGL Rms: 0.0 secs**

MYANMAR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9477	309	EP		223	37.640	.030							1.0
MESJ	BZ	9477	309	IAMB		223	38.83		28	1.1					
MORF	BZ	9537	309	EP		223	40.34-	.030							1.0

**August 23 2016 Hour: 7:11 19.0 Lat: 37.69N Lon: 8.35W Depth: 9F Agency: IGL Regional
 Magnitudes: 1.3ML IGL Rms: 0.2 secs**

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	20	35	EP		711	22.620	.080							1.0
MESJ	HN	20	35	ES		711	25.06-	.090							1.0
MESJ	HN	20	35	IAML		711	25.70		89	0.1					
MORF	HZ	50	212	EP		711	27.430	.230							1.0
MORF	HE	50	212	ES		711	33.00-	.220							1.0

MORF HN 50 212 IAML 711 33.97 14 0.1

August 23 2016 Hour: 11:0 4.8 Lat: 37.34N Lon: 8.48W Depth: 13F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs
NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	256	EP		11	0	8.05							1.0
MORF	HN	16	256	ES		11	0	10.56							1.0
MORF	HN	16	256	IAML		11	0	11.05			34				0.1

August 23 2016 Hour: 11:45 20.6 Lat: 36.58N Lon: 6.07W Depth: 32F 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	237	307	EP		1145		52.87							1.0
MESJ	HE	237	307	ES		1146		16.10							1.0
MESJ	HE	237	307	IAML		1146		18.17			2				0.1

August 23 2016 Hour: 19:39 44.9 Lat: 7.28S Lon: 122.43E Depth: 533F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.1 secs
FLORES SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14031	312		EPKPdf		1957		46.39							1.0
MESJ	BZ14031	312		EPP		1959		48.73							1.0
MORF	BZ14089	312		EPKPdf		1957		47.23							1.0

August 23 2016 Hour: 19:40 46.2 Lat: 7.21S Lon: 122.54E Depth: 514F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.0 secs
FLORES SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14036	312		EPKPdf		1958		49.54							1.0
MORF	BZ14093	312		EPKPdf		1958		50.61							1.0

August 24 2016 Hour: 1:36 32.4 Lat: 42.71N Lon: 13.22E Depth: 4F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.1 secs
CENTRAL ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	1896	261	EP		140		31.65							1.0
MESJ	BN	1896	261	ES		143		42.96							1.0
MESJ	BZ	1896	261	IAMs_20		145		57.28			86476		24.3		
GGNV	BZ	1935	264	EP		140		36.07							1.0
GGNV	BE	1935	264	ES		143		51.71							0.9
GGNV	BN	1935	264	IAMs_20		147		0.52			161000		15.1		
MORF	BZ	1955	259	EP		140		38.29							1.0
MORF	BE	1955	259	ES		143		55.81							1.0
MORF	BE	1955	259	IAMs_20		147		17.89			83105		22.8		

August 24 2016 Hour: 3:11 46.9 Lat: 35.95N Lon: 8.70W Depth: 31F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	151	2	EP		312		7.37							1.0
MORF	HE	151	2	ES		312		22.79							1.0
MORF	HE	151	2	IAML		312		27.24			279		0.1		
MESJ	HZ	214	11	EP		312		15.45							1.0
MESJ	HE	214	11	ES		312		36.51							1.0
MESJ	HN	214	11	IAML		312		38.85			98		0.2		
GGNV	HN	310	353	ES		312		56.96							0.9
GGNV	HN	310	353	IAML		313		1.19			101		0.3		

August 24 2016 Hour: 5:58 59.7 Lat: 36.35N Lon: 7.75W Depth: 31F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	133	323	EP		559	18.26	-.040							1.0
MESJ	HZ	171	346	EP		559	22.76	-.150							1.0
MESJ	HN	171	346	ES		559	40.030	.190							1.0
MESJ	HN	171	346	IAML		559	41.97			5	0.1				

August 24 2016 Hour: 10:34 55.2 Lat: 20.95N Lon: 94.61E Depth: 90F Agency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.2 secs

MYANMAR Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9678	309	EP		1047	30.790	.180							1.0
MESJ	BZ	9678	309	IAMB		1047	59.46			271	1.3				
MESJ	BE	9678	309	ESKSac		1057	48.30	-.060							1.0
GGNV	BZ	9712	310	EP		1047	32.170	.130							1.0
GGNV	BZ	9712	310	IAMB		1047	42.26			99	0.7				
GGNV	BZ	9712	310	EPP		1050	57.11								
GGNV	BE	9712	310	ESKSac		1057	49.88	-.310							1.0
MORF	BZ	9737	309	EP		1047	33.340	.120							1.0
MORF	BZ	9737	309	IAMB		1048	2.79			140	1.0				
MORF	BZ	9737	309	EPP		1050	58.96								
MORF	BN	9737	309	ESKSac		1057	51.65	-.070							1.0

August 24 2016 Hour: 13:40 52.1 Lat: 37.16N Lon: 8.59W Depth: 10F Agency: IGL Regional
Magnitudes: 0.6ML 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	17	342	EP		1340	55.21	-.090							1.0
MORF	HE	17	342	ES		1340	57.63	-.030							1.0
MORF	HE	17	342	IAML		1340	57.96			22	0.1				
MESJ	HZ	82	23	EP		1341	5.430	.130							1.0
MESJ	HN	82	23	ES		1341	14.96	-.000							1.0
MESJ	HN	82	23	IAML		1341	16.21			1	0.1				

August 24 2016 Hour: 22:11 7.3 Lat: 36.53N Lon: 7.75W Depth: 19F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	317	EP		2211	25.650	.060							1.0
MESJ	HZ	151	344	EP		2211	29.70	-.010							1.0
MESJ	HN	151	344	ES		2211	46.01	-.060							1.0
MESJ	HN	151	344	IAML		2211	47.55			10	0.1				

August 25 2016 Hour: 1:33 29.7 Lat: 36.54N Lon: 11.31W Depth: 32F Agency: IGL Regional
Magnitudes: 4.2ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	252	69	EP		134	3.910	.120							1.0
MORF	HN	252	69	ES		134	28.60	-.050							1.0
MORF	HE	252	69	IAML		134	29.44			1624	0.5				
GGNV	HZ	308	38	EP		134	10.68	-.030							1.0
GGNV	HE	308	38	ES		134	40.650	.040							1.0
GGNV	HN	308	38	IAML		134	44.81			1552	0.5				
MESJ	HZ	310	61	EP		134	10.99	-.000							1.0
MESJ	HE	310	61	ES		134	41.03	-.070							1.0
MESJ	HN	310	61	IAML		134	49.44			492	0.6				

August 25 2016 Hour: 7:45 17.8 Lat: 39.28N Lon: 12.72W Depth: 30F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	418	120	EP		746	12.34	-.120							1.0
MESJ	HZ	423	111	EP		746	13.230	.120							1.0
MESJ	HE	423	111	ES		746	53.490	.000							1.0
MESJ	HN	423	111	IAML		746	55.00			7	0.5				

August 25 2016 Hour: 13: 3 10.3 Lat: 36.52N Lon: 11.25W 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	248	69	EP		13 3	43.05	-.020							1.0
MORF	HN	248	69	ES		13 4	7.150	.150							1.0
MORF	HN	248	69	IAML		13 4	8.57			76	0.3				
MESJ	HZ	306	61	EP		13 3	50.14	-.200							1.0
MESJ	HN	306	61	ES		13 4	19.650	.060							1.0
MESJ	HE	306	61	IAML		13 4	21.03			25	0.2				

August 25 2016 Hour: 15:30 36.7 Lat: 36.94N Lon: 1.68E Depth: 47F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

WESTERN MEDITERRANEAN SEA Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	882	279	EP		1532	26.220	.060							1.0
MESJ	HE	882	279	ESg		1533	51.03	-.060							1.0
MESJ	HE	882	279	IAML		1533	54.24			7	0.4				

August 25 2016 Hour: 15:51 9.3 Lat: 37.34N Lon: 8.47W Depth: 4F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.2 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	257	EP		1551	11.86	-.230							1.0
MORF	HN	16	257	ES		1551	14.210	.110							1.0
MORF	HN	16	257	IAML		1551	14.66			98	0.2				
MESJ	HZ	60	22	EP		1551	19.110	.130							1.0

August 25 2016 Hour: 16:32 41.0 Lat: 35.46N Lon: 4.78W Depth: 18F 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
MORF	HZ	403	302	EP		1633	34.79	-.020							1.0
MORF	HN	403	302	ES		1634	14.05	-.070							1.0
MORF	HE	403	302	IAML		1634	14.84			22	0.2				
MESJ	HZ	406	312	EP		1633	35.150	.100							1.0
MESJ	HE	406	312	ES		1634	14.53	-.000							1.0
MESJ	HN	406	312	IAML		1634	17.24			14	0.2				

August 25 2016 Hour: 19: 3 56.5 Lat: 42.84N Lon: 7.26W Depth: 12F Agency: IGL Regional
Rms: 0.2 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	561	189	EP		19 5	10.110	.180							1.0
MORF	HZ	625	191	EP		19 5	17.59	-.190							1.0

August 25 2016 Hour: 19:10 58.0 Lat: 34.14N Lon: 4.81W Depth: 5F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	512	324	EP		1912	6.36	-.010							1.0
MESJ	HE	512	324	ES		1912	56.260	.010							1.0
MESJ	HE	512	324	IAML		1912	58.45			5	0.3				

August 26 2016 Hour: 7:35 19.7 Lat: 36.72N Lon: 9.68W Depth: 21F 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	112	54	EP		735	37.11	-.000							1.0
MORF	HE	112	54	ES		735	49.80	-.040							1.0
MORF	HN	112	54	IAML		735	50.30		10	0.2					
MESJ	HZ	179	46	EP		735	45.34	-.070							1.0
MESJ	HE	179	46	ES		736	4.320	.120							1.0
MESJ	HN	179	46	IAML		736	6.56		2	0.2					

August 26 2016 Hour: 12:21 5.0 Lat: 36.56N Lon: 9.62W Depth: 20F 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	120	46	EP		1221	23.39	-.040							1.0
MORF	HN	120	46	ES		1221	36.970	.080							1.0
MORF	HE	120	46	IAML		1221	37.33		7	0.2					
MESJ	HZ	189	41	EP		1221	31.87	-.110							1.0
MESJ	HN	189	41	ES		1221	51.750	.070							1.0
MESJ	HN	189	41	IAML		1221	54.36		2	0.2					

August 26 2016 Hour: 20:46 10.5 Lat: 38.36N Lon: 9.77W Depth: 24F Agency: IGL Regional
Magnitudes: 1.9ML 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
GGNV	HE	67	54	ES		2046	29.54	-.010							1.0
GGNV	HE	67	54	IAML		2046	31.24		106	0.3					
MESJ	HZ	148	113	EP		2046	32.170	.110							1.0
MESJ	HN	148	113	ES		2046	47.850	.050							1.0
MESJ	HE	148	113	IAML		2046	48.79		9	0.1					
MORF	HZ	153	140	EP		2046	32.750	.010							1.0
MORF	HE	153	140	ES		2046	48.80	-.170							1.0
MORF	HE	153	140	IAML		2046	49.61		11	0.2					

August 27 2016 Hour: 1:52 2.3 Lat: 33.32N Lon: 6.44W Depth: 1 Agency: IGL Regional
Magnitudes: 2.3ML 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	HN	486	336	ES		153	55.55	-.050							1.0
MORF	HN	486	336	IAML		153	58.83		11	0.4					
MESJ	HZ	527	343	EP		153	12.750	.040							1.0
MESJ	HN	527	343	ES		154	4.150	.020							1.0
MESJ	HN	527	343	IAML		154	8.10		3	0.2					

August 27 2016 Hour: 4:9 17.4 Lat: 37.32N Lon: 8.64W Depth: 15F Agency: IGL Regional
Magnitudes: 0.8ML 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	212	EP		4	9	19.64	-.280						1.0
MORF	HE	2	212	ES		4	9	21.890	.150						1.0
MORF	HN	2	212	IAML		4	9	22.89		22	0.1				
MESJ	HZ	69	33	EP		4	9	28.550	.040						1.0
MESJ	HN	69	33	ES		4	9	36.690	.090						1.0
MESJ	HN	69	33	IAML		4	9	37.68		7	0.3				

August 27 2016 Hour: 6:43 20.4 Lat: 37.28N Lon: 1.99W Depth: 11F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	554	278	EP		644	33.12	-.010							1.0

August 27 2016 Hour: 7:25 37.1 Lat: 37.31N Lon: 8.62W Depth: 14F Agency: IGL Regional
Magnitudes: 0.8ML 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	3	262	EP		725	39.22	-.230							1.0
MORF	HE	3	262	ES		725	41.230	.050							1.0
MORF	HE	3	262	IAML		725	42.06			30	0.1				
MESJ	HZ	69	31	EP		725	48.390	.240							1.0
MESJ	HN	69	31	ES		725	56.19	-.050							1.0
MESJ	HN	69	31	IAML		725	58.20			5	0.1				

August 27 2016 Hour: 11:45 9.2 Lat: 34.49N Lon: 9.36W Depth: 30F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	319	11	EP		1145	51.770	.150							1.0
MORF	HN	319	11	ES		1146	22.52	-.110							1.0
MORF	HN	319	11	IAML		1146	24.87			9	0.3				
MESJ	HZ	386	15	EP		1145	59.920	.060							1.0
MESJ	HE	386	15	ES		1146	36.78	-.100							1.0
MESJ	HN	386	15	IAML		1146	38.81			7	0.3				

August 27 2016 Hour: 20:47 46.9 Lat: 43.23N Lon: 110.31W Depth: 10F Agency: IGL Distant
Rms: 0.1 secs

WYOMING Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8092	54	EP		2059	15.790	.100							1.0
MORF	BZ	8103	55	EP		2059	16.24	-.100							1.0

August 28 2016 Hour: 5:34 10.4 Lat: 35.95N Lon: 10.15W Depth: 30F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	202	41	EP		534	38.310	.040							1.0
MORF	HN	202	41	ES		534	58.45	-.180							1.0
MORF	HN	202	41	IAML		535	0.41			282	0.1				
MESJ	HZ	271	39	EP		534	46.85	-.040							1.0
MESJ	HE	271	39	ES		535	13.630	.090							1.0
MESJ	HN	271	39	IAML		535	15.97			78	0.1				
GGNV	HZ	320	16	EP		534	52.970	.090							0.9
GGNV	HN	320	16	ES		535	23.910	.010							0.9
GGNV	HN	320	16	IAML		535	27.76			416	0.2				

August 28 2016 Hour: 7:54 29.0 Lat: 37.68N Lon: 6.18W Depth: 8F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	181	276	EP		754	56.180	.080							1.0
MESJ	HE	181	276	ESg		755	19.43	-.040							1.0
MESJ	HN	181	276	IAML		755	26.67			130	0.1				
MORF	HZ	222	260	EP		755	1.360	.030							1.0
MORF	HN	222	260	ES		755	24.84	-.070							1.0
MORF	HE	222	260	IAML		755	35.09			124	0.1				

August 28 2016 Hour: 9:55 1.9 Lat: 38.49N Lon: 34.96W Depth: 17F Agency: IGL Distant
Magnitudes: 4.9Mb 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
MORF	BZ	2310	85	EP		959	42.11	-.050							1.0
MORF	BZ	2310	85	IAMB		959	50.16			37	0.8				
MESJ	BZ	2337	83	EP		959	44.740	.050							1.0
MESJ	BZ	2337	83	IAMB		959	51.97			61	1.2				

August 29 2016 Hour: 4:29 58.4 Lat: 0.04S Lon: 17.83W Depth: 10F Agency: IGL Distant
Magnitudes: 6.8Ms IGL Rms: 0.0 secs

NORTH OF ASCENSION ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4243	12	EP		437	17.76	-.020							1.0
MORF	BN	4243	12	ES		443	12.020	.090							1.0
MORF	BE	4243	12	IAMs_20		446	53.96		400000		57.2				
MESJ	BZ	4310	12	EP		437	22.810	.010							1.0
MESJ	BN	4310	12	ES		443	20.95	-.010							1.0
MESJ	BE	4310	12	IAMs_20		446	43.75		114000		24.5				
GGNV	BZ	4384	11	EP		437	28.29	-.030							1.0
GGNV	BN	4384	11	ES		443	30.87	-.010							1.0
GGNV	BN	4384	11	ESS		446	25.30	-.040							1.0
GGNV	BE	4384	11	IAMs_20		446	58.05		366000		40.8				

August 29 2016 Hour: 8:20 37.1 Lat: 0.15S Lon: 17.96W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

CENTRAL MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4258	12	EP		827	57.60	-.040							1.0
MORF	BZ	4258	12	IAMB		827	59.56		35		1.1				
MESJ	BZ	4326	12	EP		828	2.700	.040							1.0
MESJ	BZ	4326	12	IAMB		828	4.64		26		0.7				

August 29 2016 Hour: 9:59 1.2 Lat: 36.86N Lon: 8.52W 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	51	347	EP		959	9.99	-.010							1.0
MORF	HN	51	347	ES		959	16.36	-.050							1.0
MORF	HN	51	347	IAML		959	19.12		60		0.2				
MESJ	HZ	112	14	EP		959	18.32	-.000							1.0
MESJ	HN	112	14	ES		959	30.880	.070							1.0
MESJ	HN	112	14	IAML		959	34.11		23		0.1				

August 30 2016 Hour: 15:13 16.1 Lat: 36.83N Lon: 9.70W Depth: 22F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	107	60	EP		1513	32.81	-.050							1.0
MORF	HN	107	60	ES		1513	45.170	.110							1.0
MORF	HN	107	60	IAML		1513	45.72		23		0.2				
MESJ	HZ	172	49	EP		1513	40.86	-.070							1.0
MESJ	HE	172	49	ES		1513	59.040	.010							1.0
MESJ	HN	172	49	IAML		1514	0.24		2		0.1				

August 31 2016 Hour: 3:11 35.4 Lat: 3.69S Lon: 152.78E Depth: 513F Agency: IGL Distant
Rms: 0.1 secs

NEW IRELAND REGION, PAPUA NEW GUINEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15746	337	EP	KPpdf		330	7.360	.160							1.0
MESJ	BZ15788	335	EP	KPpdf		330	7.70	-.190							1.0
MORF	BZ15858	335	EP	KPpdf		330	9.080	.030							1.0

August 31 2016 Hour: 8:44 23.4 Lat: 37.39N Lon: 15.67W Depth: 30F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	622	89	EP		845	42.71	-.060							1.0
MORF	HN	622	89	ES		846	40.63	-.100							1.0
MORF	HN	622	89	IAML		846	45.10		24		0.2				
MESJ	HZ	659	83	EP		845	47.430	.130							1.0
MESJ	HN	659	83	ES		846	48.590	.030							1.0

MESJ HN 659 83 IAML 846 51.80 34 0.2

**August 31 2016 Hour: 11:21 13.1 Lat: 38.22N Lon: 8.94W Depth: 0 Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.2 secs**

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	76	124	EP		1121	25.23	-.170							1.0
MESJ	HE	76	124	ES		1121	34.10	-.250							1.0
MESJ	HN	76	124	IAML		1121	35.68			4	0.2				
MORF	HZ	105	166	EP		1121	30.270	.260							1.0
MORF	HE	105	166	ES		1121	42.490	.170							1.0
MORF	HN	105	166	IAML		1121	44.98			10	0.2				

**August 31 2016 Hour: 14:31 16.3 Lat: 38.01N Lon: 9.11W Depth: 5F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs**

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	81	103	EP		1431	29.31	-.040							1.0
MESJ	HN	81	103	ES		1431	38.75	-.100							1.0
MESJ	HN	81	103	IAML		1431	41.95			18	0.1				
MORF	HZ	88	152	EP		1431	30.560	.000							1.0
MORF	HN	88	152	ES		1431	41.070	.130							1.0
MORF	HN	88	152	IAML		1431	45.05			33	0.1				

**August 31 2016 Hour: 19: 2 16.2 Lat: 36.23N Lon: 5.42W Depth: 11F Agency: IGL Regional
Magnitudes: 3.2ML 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
MESJ	HZ	306	306	EP		19 2	58.670	.070							1.0
MESJ	HE	306	306	ES		19 3	29.29	-.240							1.0
MESJ	HE	306	306	IAML		19 3	34.23			65	0.4				
MORF	HZ	312	293	EP		19 2	59.28	-.060							1.0
MORF	HE	312	293	ES		19 3	31.040	.240							1.0
MORF	HN	312	293	IAML		19 3	41.79			120	0.4				

**August 31 2016 Hour: 20: 5 24.2 Lat: 36.68N Lon: 12.77W Depth: 10F Agency: IGL Regional
Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	373	78	EP		20 6	14.90	-.090							1.0