

# Seismological Bulletin

from the

UNIVERSITY OF LISBON  
FACULTY OF SCIENCE

## IDL Seismic Network

March to April

2017

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

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

IDL.UL.PT

## STATIONS USED

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

Lisboa (IGIDL)  
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Marmelete (Picos)  
MORF

Latitude	37.3063N
Longitude	8.6508W
Height	650m

Messejana  
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

**March 1 2017 Hour: 9: 8 15.8 Lat: 49.57N Lon: 28.55W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 4.7Mb IGL Rms: 0.0 secs**  
**NORTHERN MID-ATLANTIC RIDGE Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2081	121	EP		912	34.53	-.020							1.0
MESJ	BZ	2081	121	IAmb		912	41.34			83	1.9				
MORF	BZ	2098	123	EP		912	36.200	.020							1.0
MORF	BZ	2098	123	IAmb		912	37.01			150	2.1				

**March 2 2017 Hour: 1:52 24.3 Lat: 37.32N Lon: 8.51W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.4ML IGL Rms: 0.0 secs**  
**E MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	263	EP		152	27.020	.010							1.0
MORF	HN	13	263	ES		152	29.01	-.010							1.0
MORF	HE	13	263	IAML		152	29.45			12	0.1				

**March 2 2017 Hour: 2:11 28.5 Lat: 59.61N Lon: 152.51W Depth: 57F Agency: IGL Distant**  
**Magnitudes: 5.2Mb IGL Rms: 0.1 secs**  
**SOUTHERN ALASKA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8601	29	EP		223	17.220	.030							1.0
GGNV	BZ	8601	29	IAmb		223	21.09			42	0.8				
MESJ	BZ	8718	28	EP		223	23.140	.050							1.0
MESJ	BZ	8718	28	IAmb		223	24.83			23	1.2				
MORF	BZ	8763	29	EP		223	25.28	-.080							1.0
MORF	BZ	8763	29	IAmb		223	26.62			27	0.9				

**March 2 2017 Hour: 11: 7 25.0 Lat: 37.60N Lon: 38.49E Depth: 11F Agency: IGL Distant**  
**Magnitudes: 5.1Mb IGL Rms: 0.0 secs**  
**EASTERN TURKEY Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4074	285	EP		1114	31.42	-.020							1.0
MESJ	BZ	4074	285	IAmb		1114	36.67			26	1.0				
MESJ	BE	4074	285	ES		1120	15.32	-.030							1.0
MORF	BZ	4126	284	EP		1114	35.46	-.010							1.0
MORF	BZ	4126	284	IAmb		1114	37.17			76	1.9				
MORF	BE	4126	284	ES		1120	22.610	.060							1.0

**March 2 2017 Hour: 19:13 16.6 Lat: 61.40N Lon: 27.45W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 4.6Mb IGL Rms: 0.0 secs**  
**ICELAND REGION Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2938	144	EP		1918	53.490	.000							1.0
MESJ	BZ	2938	144	IAmb		1918	57.52			13	0.9				

**March 2 2017 Hour: 20:49 35.5 Lat: 38.05N Lon: 13.95W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	475	98	EP		2050	37.64	-.080							1.0
MORF	HN	475	98	ES		2051	23.04	-.100							1.0
MORF	HN	475	98	IAML		2051	25.48			2	0.3				
MESJ	HZ	504	91	EP		2050	41.450	.190							1.0
MESJ	HN	504	91	ES		2051	29.27	-.000							1.0
MESJ	HN	504	91	IAML		2051	33.05			2	0.2				

**March 2 2017 Hour: 21:10 7.0 Lat: 37.28N Lon: 8.46W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.1 secs**  
**SE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	17	280	EP		2110	9.75-	.070							1.0
MORF	HE	17	280	ES		2110	11.77-	.070							1.0
MORF	HN	17	280	IAML		2110	12.21			29	0.1				
MESJ	HZ	66	19	EP		2110	17.780	.150							1.0

**March 3 2017 Hour: 1:57 40.7 Lat: 37.05N Lon: 8.89W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.0 secs**  
**SE VILA DO BISPO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	36	37	EP		157	47.22-	.050							1.0
MORF	HN	36	37	ES		157	52.050	.020							1.0
MORF	HN	36	37	IAML		157	53.38			10	0.2				
MESJ	HE	106	34	ES		158	9.470	.020							1.0
MESJ	HN	106	34	IAML		158	10.56			2	0.1				

**March 3 2017 Hour: 2:53 35.1 Lat: 37.79N Lon: 2.51W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 0.8ML 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	503	272	EP		254	41.660	.090							1.0

**March 3 2017 Hour: 9:28 36.4 Lat: 36.14N Lon: 8.54W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	130	356	EP		928	55.24-	.180							1.0
MORF	HN	130	356	ES		929	9.24-	.030							1.0
MORF	HE	130	356	IAML		929	10.82			204	0.2				
MESJ	HZ	191	8	EP		929	3.040	.080							1.0
MESJ	HN	191	8	ES		929	22.440	.130							1.0
MESJ	HN	191	8	IAML		929	23.54			82	0.2				

**March 3 2017 Hour: 19:4 3.3 Lat: 38.68N Lon: 8.45W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**  
**NE VENDAS NOVAS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	95	168	EP		19	4	18.730	.080						1.0
MESJ	HE	95	168	ES		19	4	29.81-	.080						1.0
MESJ	HN	95	168	IAML		19	4	33.02			22	0.3			

**March 4 2017 Hour: 2:58 25.5 Lat: 7.35S Lon: 155.70E Depth: 54F Agency: IGL Distant**  
**Magnitudes: 6.1Ms IGL Rms: 0.1 secs**  
**SOLOMON ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16242	339	EPKp $\bar{d}$ f			317	57.51-	.060							1.0
MESJ	BZ16288	337	EPKp $\bar{d}$ f			317	58.30-	.010							1.0
MESJ	BZ16288	337	IAMs $\bar{2}$ 0			433	10.09			2925	18.2				
MORF	BZ16359	337	EPKp $\bar{d}$ $\bar{f}$			317	59.480	.070							1.0

**March 4 2017 Hour: 13:18 30.5 Lat: 36.80N Lon: 6.97W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 2.2ML 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
MESJ	HZ	160	317	EP		1318	53.410	.220							1.0
MORF	HZ	160	291	EP		1318	53.01-	.180							1.0
MESJ	HN	160	317	ES		1319	9.69-	.060							1.0
MESJ	HN	160	317	IAML		1319	11.33			40	0.1				
MORF	HE	160	291	ES		1319	9.770	.020							1.0
MORF	HE	160	291	IAML		1319	11.88			22	0.3				

**March 5 2017 Hour: 1:31 41.5 Lat: 35.72N Lon: 8.74W Depth: 40F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	176	3	EP		132	6.11	-.130							1.0
MORF	HE	176	3	ES		132	24.300	.020							1.0
MORF	HN	176	3	IAML		132	26.06			10	0.1				
MESJ	HZ	240	11	EP		132	14.210	.120							1.0

**March 5 2017 Hour: 4: 3 31.6 Lat: 38.94N Lon: 9.65W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 2.7ML IGL Rms: 0.1 secs**  
**W MAFRA, PORTUGAL**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	50	120	EP		4 3	40.240	.030							1.0
GGNV	HN	50	120	ES		4 3	46.590	.070							1.0
GGNV	HE	50	120	IAML		4 3	47.74			1007	0.2				
MESJ	HZ	175	134	EP		4 3	56.41	-.080							0.9
MESJ	HE	175	134	ES		4 4	14.57	-.110							0.9
MESJ	HN	175	134	IAML		4 4	16.10			25	0.1				
MORF	HZ	201	154	EP		4 3	59.890	.060							0.9
MORF	HE	201	154	ES		4 4	20.480	.020							0.9
MORF	HN	201	154	IAML		4 4	23.15			58	0.2				

**March 5 2017 Hour: 13: 5 26.7 Lat: 37.33N Lon: 8.55W Depth: 17F Agency: IGL Regional**  
**Magnitudes: 0.4ML IGL Rms: 0.0 secs**  
**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	254	EP		13 5	29.88	-.010							1.0
MORF	HE	9	254	ES		13 5	32.190	.010							1.0
MORF	HE	9	254	IAML		13 5	32.56			10	0.1				

**March 5 2017 Hour: 22:47 50.8 Lat: 6.00S Lon: 149.35E Depth: 31F Agency: IGL Distant**  
**Magnitudes: 6.3Ms IGL Rms: 0.1 secs**  
**NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15813	332	EPK	Pdf		23 7	19.210	.080							1.0
GGNV	BZ15813	332	IAMs	20		2414	53.16			7120	24.5				
MESJ	BZ15841	330	EPK	Pdf		23 7	19.52	-.090							1.0
MESJ	BZ15841	330	IAMs	20		24 7	24.14			5579	23.1				
MORF	BZ15911	330	EPK	Pdf		23 7	20.770	.010							1.0
MORF	BN15911	330	IAMs	20		24 6	46.02			9122	34.6				

**March 6 2017 Hour: 3:49 39.5 Lat: 36.74N Lon: 8.34W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	69	336	EP		349	50.730	.100							1.0
MORF	HE	69	336	ES		349	58.72	-.060							1.0
MORF	HN	69	336	IAML		350	0.35			7	0.2				
MESJ	HN	122	5	ES		350	13.08	-.050							1.0
MESJ	HN	122	5	IAML		350	15.67			2	0.3				

**March 6 2017 Hour: 4:12 39.2 Lat: 37.34N Lon: 7.50W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.1 secs**  
**SW ALCOUTIM, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	84	311	EP		412	52.76	-.050							1.0
MESJ	HN	84	311	ES		413	2.64	-.110							1.0
MESJ	HN	84	311	IAML		413	5.08			6	0.2				
MORF	HZ	102	268	EP		412	55.49	-.020							1.0
MORF	HN	102	268	ES		413	7.600	.180							1.0
MORF	HE	102	268	IAML		413	10.21			8	0.2				

**March 6 2017 Hour: 6:46 18.0 Lat: 36.41N Lon: 4.72W Depth: 32F 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	349	298	EP		647	4.120	.020							1.0
MESJ	HN	349	298	ES		647	37.74	-.020							1.0
MESJ	HE	349	298	IAML		647	39.54			7	0.2				
MORF	HN	364	287	ES		647	41.070	.000							1.0
MORF	HE	364	287	IAML		647	43.01			14	0.1				

**March 6 2017 Hour: 7:1 1.7 Lat: 37.38N Lon: 16.26W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 3.5ML IGL Rms: 0.0 secs**

**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	641	74	ES		7 3	25.32	-.010							1.0
GGNV	HN	641	74	IAML		7 3	31.67			137	0.1				
MORF	HZ	674	88	EP		7 2	28.66	-.080							1.0
MORF	HE	674	88	ES		7 3	32.310	.030							1.0
MORF	HN	674	88	IAML		7 3	35.88			40	0.4				
MESJ	HZ	712	83	EP		7 2	33.190	.030							1.0
MESJ	HE	712	83	ES		7 3	39.980	.040							1.0
MESJ	HE	712	83	IAML		7 3	43.75			28	0.3				

**March 7 2017 Hour: 2:32 51.9 Lat: 38.69N Lon: 8.45W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.1 secs**

**NE VENDAS NOVAS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	97	168	EP		233	7.630	.160							1.0
MESJ	HE	97	168	ES		233	18.67	-.160							1.0
MESJ	HN	97	168	IAML		233	20.98			53	0.2				

**March 8 2017 Hour: 5:19 5.9 Lat: 36.87N Lon: 13.58W Depth: 29F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.0 secs**

**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	441	82	EP		520	3.39	-.040							1.0
MORF	HN	441	82	ES		520	45.450	.030							1.0
MORF	HE	441	82	IAML		520	47.23			3	0.1				
MESJ	HZ	487	76	EP		520	8.93	-.040							1.0
MESJ	HE	487	76	ES		520	55.060	.050							1.0
MESJ	HE	487	76	IAML		520	56.68			0.80	0.1				

**March 8 2017 Hour: 6:7 10.7 Lat: 36.25N Lon: 7.94W 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	133	332	EP		6 7	29.93	-.150							1.0
MESJ	HZ	178	352	EP		6 7	35.61	-.000							1.0
MESJ	HE	178	352	ES		6 7	53.930	.160							1.0
MESJ	HE	178	352	IAML		6 7	55.20			5	0.1				

**March 8 2017 Hour: 13:56 49.8 Lat: 32.24N Lon: 7.92W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 2.4ML IGL Rms: 0.1 secs**

**MOROCCO Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	566	353	EP		1358	5.00	0.01							1.0
MORF	HE	566	353	ES		1359	0.04	0.13							1.0
MORF	HE	566	353	IAML		1359	3.91			8	0.3				
MESJ	HE	622	358	ES		1359	11.42	-0.14							1.0
MESJ	HE	622	358	IAML		1359	14.54			3	0.5				

March 8 2017 Hour: 16:13 21.3 Lat: 37.99N Lon: 8.10W Depth: 17F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.0 secs

SE FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	20	212	EP		1613	25.37	-.050							1.0
MESJ	HN	20	212	ES		1613	28.45	-.000							1.0
MESJ	HN	20	212	IAML		1613	28.82			17	0.1				
MORF	HZ	90	213	EP		1613	35.690	.040							1.0
MORF	HN	90	213	ES		1613	46.160	.010							1.0
MORF	HN	90	213	IAML		1613	47.93			12	0.2				

March 8 2017 Hour: 16:38 39.7 Lat: 37.91N Lon: 9.06W Depth: 10F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	74	96	EP		1638	51.71	-.070							1.0
MESJ	HE	74	96	ES		1639	0.760	.180							1.0
MESJ	HE	74	96	IAML		1639	3.34			37	0.1				
MORF	HZ	76	152	EP		1638	51.89	-.180							1.0
MORF	HN	76	152	ES		1639	1.160	.080							1.0
MORF	HE	76	152	IAML		1639	3.23			30	0.1				

March 9 2017 Hour: 4:13 13.7 Lat: 38.30N Lon: 11.97W Depth: 14F Agency: IGL Regional  
Magnitudes: 3.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	313	110	EP		413	56.46	-.150							1.0
MORF	HE	313	110	ES		414	28.010	.050							1.0
MORF	HE	313	110	IAML		414	28.90			75	0.1				
MESJ	HZ	333	98	EP		413	59.250	.120							1.0
MESJ	HE	333	98	ES		414	32.31	-.020							1.0
MESJ	HN	333	98	IAML		414	36.86			42	0.2				

March 9 2017 Hour: 11:14 26.9 Lat: 60.15S Lon: 150.30E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.4Ms IGL Rms: 0.1 secs

WEST OF MACQUARIE ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ17043	220	EPKp $\bar{d}$ f			1134	17.390	.100							1.0
MORF	BE17043	220	ESS			1157	48.39	-.120							1.0
MORF	BZ17043	220	IAMs_20			1244	46.19			4078	12.5				
MESJ	BZ17081	221	EPKp $\bar{d}$ f			1134	17.800	.070							1.0
MESJ	BE17081	221	ESS			1157	52.14	-.050							1.0
MESJ	BZ17081	221	IAMs_20			1244	53.25			3270	12.0				

March 10 2017 Hour: 6:43 37.7 Lat: 42.85N Lon: 1.61W Depth: 1F Agency: IGL Regional  
Rms: 0.0 secs

PYRENEES Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	790	227	EP		645	19.860	.050							1.0
MORF	HZ	859	227	EP		645	27.94	-.060							1.0

March 10 2017 Hour: 13:46 41.2 Lat: 11.96N Lon: 69.59W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

OFFSHORE FALCON, VENEZUELA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6654	54	EP		1356	46.730	.020							1.0
MORF	BZ	6654	54	IAMB		1356	48.50			48	1.0				
MESJ	BZ	6700	53	EP		1356	49.38	-.130							1.0
MESJ	BZ	6700	53	IAMB		1356	50.55			32	0.9				
MESJ	BN	6700	53	ES		14	5	4.300	.110						1.0

March 10 2017 Hour: 15:21 25.5 Lat: 42.94N Lon: 1.61W Depth: 12F Agency: IGL Regional  
Rms: 0.1 secs

**PYRENEES Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	797	227	EP		1523	7.03	-.110							1.0
MORF	HZ	866	226	EP		1523	15.470	.130							1.0

March 10 2017 Hour: 22:45 16.6 Lat: 36.86N Lon: 7.31W Depth: 28F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	135	324	EP		2245	36.33	-.010							1.0
MESJ	HE	135	324	ES		2245	50.780	.010							1.0
MESJ	HN	135	324	IAML		2245	51.18			1	0.1				

March 11 2017 Hour: 12:23 49.4 Lat: 35.76N Lon: 10.15W Depth: 31F 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	218	38	EP		1224	18.46	-.100							1.0
MORF	HN	218	38	ES		1224	39.910	.100							1.0
MORF	HN	218	38	IAML		1224	42.70			44	0.2				
MESJ	HZ	288	36	EP		1224	27.13	-.100							1.0
MESJ	HN	288	36	ES		1224	54.910	.100							1.0
MESJ	HE	288	36	IAML		1224	58.83			9	0.1				

March 11 2017 Hour: 17:10 40.3 Lat: 30.60S Lon: 177.54W Depth: 35F Agency: IGL Distant  
Magnitudes: 5.5Ms IGL Rms: 0.1 secs

**KERMADEC ISLANDS, NEW ZEALAND Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18751	48	EPK	Pdf		1730	42.85	-.030							1.0
MESJ	BZ18751	48	EPP			1735	42.460	.150							1.0
MESJ	BE18751	48	IAMs	_20		1849	16.87			787	33.0				
MORF	BZ18753	51	EPK	Pdf		1730	42.90	-.040							1.0
MORF	BZ18753	51	EPP			1735	42.37	-.080							1.0
MORF	BZ18753	51	IAMs	_20		1857	55.64			652	16.0				

March 11 2017 Hour: 22:59 6.9 Lat: 36.98N Lon: 3.93W Depth: 3F 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	392	285	EP		23 0	0.66	-.090							1.0
MESJ	HN	392	285	ES		23 0	40.110	.090							1.0
MESJ	HN	392	285	IAML		23 0	42.47			2	0.2				

March 11 2017 Hour: 23:49 2.8 Lat: 36.82N Lon: 9.04W Depth: 9F 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	64	33	EP		2349	13.24	-.060							1.0
MORF	HN	64	33	ES		2349	20.92	-.010							1.0
MORF	HN	64	33	IAML		2349	21.82			13	0.1				
MESJ	HZ	134	32	EP		2349	24.180	.120							1.0
MESJ	HN	134	32	ES		2349	39.52	-.030							1.0
MESJ	HN	134	32	IAML		2349	40.10			10	0.2				

March 12 2017 Hour: 13:20 39.9 Lat: 36.85N Lon: 7.35W Depth: 30F Agency: IGL Regional  
Magnitudes: 2.4ML IGL Rms: 0.2 secs

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	294	EP		1320	58.23	-.250							1.0
MORF	HE	126	294	ES		1321	11.95	-.050							1.0
MORF	HE	126	294	IAML		1321	13.38			133	0.1				





**March 14 2017 Hour: 5:34 23.3 Lat: 39.22N Lon: 9.25W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.1 secs**  
**SE LOURINHA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	57	171	EP		534	32.42	-.090							1.0
GGNV	HN	57	171	ES		534	39.370	.120							1.0
GGNV	HN	57	171	IAML		534	40.46			175	0.2				
MESJ	HZ	178	149	EP		534	49.43	-.040							0.9
MESJ	HE	178	149	ESg		535	11.000	.010							0.9
MESJ	HN	178	149	IAML		535	12.03			6	0.2				

**March 15 2017 Hour: 4:10 40.4 Lat: 35.19N Lon: 4.02W Depth: 1 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
MESJ	HZ	478	309	EP		411	44.990	.090							1.0
MESJ	HN	478	309	ES		412	31.88	-.090							1.0
MESJ	HN	478	309	IAML		412	35.51			10	0.3				

**March 15 2017 Hour: 5:44 37.1 Lat: 35.72N Lon: 4.62W Depth: 22F Agency: IGL Regional**  
**Magnitudes: 2.7ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	398	307	EP		545	29.88	-.050							1.0
MESJ	HE	398	307	ES		546	8.41	-.060							1.0
MESJ	HN	398	307	IAML		546	10.96			20	0.1				
MORF	HZ	401	297	EP		545	30.38	-.010							1.0
MORF	HN	401	297	ES		546	9.390	.130							1.0
MORF	HN	401	297	IAML		546	10.89			18	0.1				

**March 16 2017 Hour: 12:40 10.5 Lat: 36.23N Lon: 8.26W Depth: 36F 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	124	344	EP		1240	28.730	.010							1.0
MESJ	HZ	179	1	EP		1240	35.40	-.020							1.0
MESJ	HN	179	1	ES		1240	53.640	.010							1.0
MESJ	HN	179	1	IAML		1240	54.92			6	0.1				

**March 16 2017 Hour: 20:13 43.0 Lat: 36.79N Lon: 7.94W Depth: 33F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	85	312	ES		2014	6.12	-.080							1.0
MORF	HE	85	312	IAML		2014	7.50			5	0.1				
MESJ	HZ	119	348	EP		2014	0.710	.130							1.0
MESJ	HN	119	348	ES		2014	13.34	-.050							1.0
MESJ	HE	119	348	IAML		2014	15.27			2	0.1				

**March 17 2017 Hour: 0:33 56.4 Lat: 38.81N Lon: 8.44W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.1 secs**  
**NE VENDAS NOVAS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	109	170	EP		034	13.790	.070							1.0
MESJ	HN	109	170	ES		034	26.33	-.070							1.0
MESJ	HE	109	170	IAML		034	27.15			4	0.3				

**March 17 2017 Hour: 1:55 45.6 Lat: 36.89N Lon: 5.57W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.1 secs**  
**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	257	295	EP		156	21.83	-.100							1.0
MESJ	HN	257	295	ESg		156	57.620	.100							1.0
MESJ	HN	257	295	IAML		157	2.42			13	0.1				

**March 17 2017 Hour: 2: 5 53.0 Lat: 37.34N Lon: 8.52W Depth: 7F 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	12	252	EP		2 5	55.09	-.190							1.0
MORF	HN	12	252	ES		2 5	57.010	.040							1.0
MORF	HN	12	252	IAML		2 5	57.50			45	0.1				
MESJ	HZ	61	25	EP		2 6	3.110	.160							1.0

**March 17 2017 Hour: 10:18 41.4 Lat: 23.61S Lon: 176.77W Depth: 109F Agency: IGL Distant**  
**Magnitudes: 0.1 secs Rms: 0.1 secs**  
**SOUTH OF FIJI ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18109	32	EPK	pdf		1038	29.85	-.080							1.0
MORF	BZ18131	34	EPK	pdf		1038	30.250	.080							1.0

**March 17 2017 Hour: 19:15 20.1 Lat: 37.34N Lon: 8.54W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.0 secs**  
**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	249	EP		1915	22.57	-.010							1.0
MORF	HE	11	249	ES		1915	24.420	.010							1.0
MORF	HE	11	249	IAML		1915	24.62			118	0.2				

**March 17 2017 Hour: 19:33 14.0 Lat: 38.68N Lon: 8.45W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**  
**NE VENDAS NOVAS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	95	168	EP		1933	29.33	-.050							1.0
MESJ	HN	95	168	ES		1933	40.61	-.010							1.0
MESJ	HN	95	168	IAML		1933	42.41			8	0.2				
MORF	HE	153	187	ES		1933	56.530	.070							1.0
MORF	HN	153	187	IAML		1933	57.82			10	0.3				

**March 18 2017 Hour: 8:28 23.0 Lat: 37.08N Lon: 9.93W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	77	EP		828	41.600	.160							1.0
MESJ	HZ	173	60	EP		828	48.87	-.140							1.0
MESJ	HN	173	60	ES		829	8.00	-.030							1.0
MESJ	HN	173	60	IAML		829	9.24			8	0.1				

**March 18 2017 Hour: 10:37 45.7 Lat: 17.18N Lon: 95.20W Depth: 99F Agency: IGL Distant**  
**Magnitudes: 4.7Mb IGL Rms: 0.0 secs**  
**OAXACA, MEXICO Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8607	54	EP		1049	29.75	-.010							1.0
MESJ	BZ	8607	54	IAMB		1049	31.03			13	0.9				
MESJ	BN	8607	54	ES		1059	12.570	.010							1.0

**March 18 2017 Hour: 11:10 53.3 Lat: 37.33N Lon: 8.50W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.1 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	259	EP		1110	56.06	-.150							1.0
MORF	HN	14	259	ES		1110	58.320	.010							1.0
MORF	HN	14	259	IAML		1110	58.52			294	0.2				
MESJ	HZ	62	24	EP		1111	3.460	.050							1.0
MESJ	HN	62	24	ES		1111	10.870	.100							1.0
MESJ	HN	62	24	IAML		1111	12.29			12	0.2				

**March 18 2017 Hour: 14:26 27.9 Lat: 35.74N Lon: 8.90W Depth: 29F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	175	7	EP		1426	52.49	-.050							1.0
MORF	HE	175	7	ES		1427	10.580	.020							1.0
MORF	HE	175	7	IAML		1427	11.54			5	0.1				
MESJ	HZ	241	14	EP		1427	0.61	-.040							1.0
MESJ	HN	241	14	ES		1427	24.650	.070							1.0
MESJ	HN	241	14	IAML		1427	25.97			3	0.2				

**March 18 2017 Hour: 18:31 38.4 Lat: 37.31N Lon: 8.61W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 0.2ML 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	4	264	EP		1831	40.47	-.000							1.0
MORF	HE	4	264	ES		1831	42.010	.000							1.0
MORF	HE	4	264	IAML		1831	42.57			12	0.2				

**March 18 2017 Hour: 19:31 32.5 Lat: 38.68N Lon: 8.45W Depth: 1F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.1 secs**

**E VENDAS NOVAS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	95	168	EP		1931	48.020	.130							1.0
MESJ	HE	95	168	ES		1931	58.99	-.130							1.0
MESJ	HE	95	168	IAML		1932	1.53			2	0.1				

**March 18 2017 Hour: 20:20 31.8 Lat: 36.72N Lon: 9.64W Depth: 24F 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	109	53	EP		2020	48.63	-.010							1.0
MORF	HN	109	53	ES		2021	1.040	.110							1.0
MORF	HE	109	53	IAML		2021	1.82			4	0.1				
MESJ	HZ	177	45	EP		2020	56.87	-.110							1.0
MESJ	HN	177	45	ES		2021	15.380	.010							1.0
MESJ	HE	177	45	IAML		2021	16.08			1	0.1				

**March 19 2017 Hour: 2: 8 4.6 Lat: 37.34N Lon: 8.49W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL Rms: 0.1 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	255	EP		2 8	7.61	-.200							1.0
MORF	HE	15	255	ES		2 8	10.190	.030							1.0
MORF	HE	15	255	IAML		2 8	10.61			23	0.1				
MESJ	HZ	60	23	EP		2 8	14.560	.140							1.0
MESJ	HN	60	23	ES		2 8	21.640	.050							1.0
MESJ	HE	60	23	IAML		2 8	22.21			3	0.2				

March 19 2017 Hour: 6:10 37.2 Lat: 37.98N Lon: 8.64W Depth: 8F Agency: IGL Regional  
Magnitudes: 0.8ML IGL Rms: 0.0 secs

SE SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	40	113	EP		610	43.860	.020							1.0
MESJ	HE	40	113	ES		610	48.670	.010							1.0
MESJ	HN	40	113	IAML		610	49.68		6	0.1					
MORF	HZ	75	181	EP		610	49.380	.000							1.0
MORF	HE	75	181	ES		610	58.21	-.030							1.0
MORF	HN	75	181	IAML		610	59.86		5	0.1					

March 19 2017 Hour: 7:35 0.6 Lat: 36.56N Lon: 7.57W Depth: 17F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	153	338	EP		735	23.24	-.150							1.0
MESJ	HE	153	338	ES		735	40.210	.150							1.0
MESJ	HE	153	338	IAML		735	41.78		2	0.1					

March 19 2017 Hour: 15:43 30.1 Lat: 8.15S Lon: 160.74E Depth: 4F Agency: IGL Distant  
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16500	345	EPKPd <sub>f</sub>		16	3	13.510	.130							1.0
GGNV	BZ16500	345	IAMs <sub>20</sub>		17	8	49.72		2597	18.4					
MESJ	BZ16563	343	EPKPd <sub>f</sub>		16	3	14.22	-.100							1.0
MESJ	BZ16563	343	IAMs <sub>20</sub>		17	4	37.14		2748	27.0					
MORF	BZ16633	343	EPKPd <sub>f</sub>		16	3	15.34	-.030							1.0
MORF	BZ16633	343	IAMs <sub>20</sub>		17	8	6.89		2744	24.8					

March 19 2017 Hour: 17:7 33.0 Lat: 36.60N Lon: 11.16W Depth: 30F Agency: IGL Regional  
Magnitudes: 1.6ML 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	237	70	EP		17	8	5.330	.060						1.0
MORF	HN	237	70	ES		17	8	28.840	.020						1.0
MORF	HE	237	70	IAML		17	8	31.69		6	0.1				
MESJ	HZ	295	61	EP		17	8	12.41	-.050						1.0
MESJ	HN	295	61	ES		17	8	41.23	-.030						1.0
MESJ	HN	295	61	IAML		17	8	43.52		1	0.1				

March 19 2017 Hour: 20:50 53.6 Lat: 37.98N Lon: 8.62W Depth: 20F Agency: IGL Regional  
Magnitudes: 0.1ML IGL Rms: 0.1 secs

SE SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	39	114	EP		2051	0.530	.110							1.0
MESJ	HE	39	114	ES		2051	5.29	-.110							1.0
MESJ	HE	39	114	IAML		2051	6.19		2	0.1					

March 20 2017 Hour: 8:17 26.4 Lat: 27.04S Lon: 66.38W Depth: 169F Agency: IGL Distant  
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

CATAMARCA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9397	43	EP		829	40.06	-.010							1.0
MESJ	BZ	9397	43	IAMB		829	42.18		23	0.9					

March 20 2017 Hour: 16:57 38.0 Lat: 37.33N Lon: 8.58W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.0 secs

NW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	247	EP		1657	40.74	-.020							1.0
MORF	HN	7	247	ES		1657	42.750	.020							1.0
MORF	HN	7	247	IAML		1657	43.41		81	0.2					

**March 20 2017 Hour: 17: 2 49.1 Lat: 35.64N Lon: 9.06W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 4.0ML 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	189	11	EP		17 3	14.47	-.130							1.0
MORF	HE	189	11	ES		17 3	33.16	-.050							1.0
MORF	HE	189	11	IAML		17 3	34.89		1464	0.3					
MESJ	HZ	255	17	EP		17 3	22.79	-.080							1.0
MESJ	HN	255	17	ES		17 3	47.58	0.070							1.0
MESJ	HN	255	17	IAML		17 3	49.53		449	0.3					
GGNV	HE	342	359	ES		17 4	6.24	0.220							0.9
GGNV	HE	342	359	IAML		17 4	9.39		605	0.2					

**March 20 2017 Hour: 21: 9 4.9 Lat: 37.23N Lon: 8.48W Depth: 19F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.2 secs**  
**NW SILVES, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	17	299	ES		21 9	12.07	-.000							1.0
MORF	HE	17	299	IAML		21 9	12.26		8	0.3					
MESJ	HZ	71	19	EP		21 9	16.76	0.230							1.0
MESJ	HN	71	19	ES		21 9	24.76	-.230							1.0
MESJ	HN	71	19	IAML		21 9	26.21		2	0.1					

**March 21 2017 Hour: 8:31 22.3 Lat: 6.28N Lon: 77.54W Depth: 15F Agency: IGL Distant**  
**Magnitudes: 5.2Mb IGL Rms: 0.0 secs**  
**NEAR WEST COAST OF COLOMBIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7731	53	EP		842	30.18	-.050							1.0
MORF	BZ	7731	53	IAMB		842	31.34		52	1.2					
MESJ	BZ	7777	52	EP		842	32.77	0.050							1.0
MESJ	BZ	7777	52	IAMB		842	33.02		13	1.2					

**March 21 2017 Hour: 21:58 44.3 Lat: 37.01N Lon: 9.82W Depth: 0 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	109	72	EP		2159	1.78	-.060							1.0
MORF	HE	109	72	ES		2159	14.76	0.100							1.0
MORF	HN	109	72	IAML		2159	15.99		7	0.2					
MESJ	HZ	169	56	EP		2159	10.59	-.110							1.0
MESJ	HN	169	56	ES		2159	30.08	0.080							1.0
MESJ	HN	169	56	IAML		2159	31.86		4	0.3					

**March 22 2017 Hour: 2:45 29.9 Lat: 37.30N Lon: 8.59W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 0.6ML IGL Rms: 0.1 secs**  
**SW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	277	EP		245	31.67	-.160							1.0
MORF	HN	5	277	ES		245	33.28	0.050							1.0
MORF	HN	5	277	IAML		245	33.90		50	0.2					
MESJ	HZ	68	29	EP		245	41.10	0.060							1.0
MESJ	HN	68	29	ES		245	49.20	0.040							1.0
MESJ	HE	68	29	IAML		245	51.51		2	0.1					

**March 22 2017 Hour: 4:13 28.9 Lat: 37.32N Lon: 8.55W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.0 secs**  
**E MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	260	EP		413	31.35	-.050							1.0
MORF	HE	9	260	ES		413	33.23	0.010							1.0
MORF	HN	9	260	IAML		413	34.00		27	0.1					
MESJ	HN	65	27	ES		413	47.05	0.040							1.0
MESJ	HE	65	27	IAML		413	49.09		1	0.1					

**March 22 2017 Hour: 5:42 28.2 Lat: 37.59N Lon: 15.84W Depth: 21F 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	637	91	EP		543	50.09	-.010							1.0
MESJ	HN	672	85	ES		544	57.270	.010							1.0
MESJ	HN	672	85	IAML		544	58.86			2	0.1				

**March 23 2017 Hour: 6:26 14.6 Lat: 40.56N Lon: 15.76W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 3.1ML IGL Rms: 0.1 secs**

**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	714	118	EP		627	45.65	-.160							1.0
MORF	HE	714	118	ES		628	52.430	.020							1.0
MORF	HN	714	118	IAML		628	55.87			20	0.2				
MESJ	HZ	718	112	EP		627	46.210	.020							1.0
MESJ	HN	718	112	ES		628	53.180	.120							1.0
MESJ	HN	718	112	IAML		628	55.63			14	0.2				

**March 23 2017 Hour: 15:56 54.0 Lat: 38.68N Lon: 8.45W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 2.3ML IGL Rms: 0.1 secs**

**E VENDAS NOVAS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	95	168	EP		1557	9.410	.170							1.0
MESJ	HE	95	168	ES		1557	20.24	-.090							1.0
MESJ	HN	95	168	IAML		1557	23.51			55	0.1				
MORF	HZ	153	187	EPg		1557	18.980	.110							1.0
MORF	HN	153	187	ESg		1557	36.81	-.190							1.0
MORF	HE	153	187	IAML		1557	38.83			53	0.3				

**March 23 2017 Hour: 21:42 21.8 Lat: 38.68N Lon: 8.45W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.1 secs**

**NE VENDAS NOVAS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	95	168	EP		2142	37.11	-.050							1.0
MESJ	HE	95	168	ES		2142	48.37	-.030							1.0
MESJ	HN	95	168	IAML		2142	50.13			3	0.1				
MORF	HZ	153	187	EPg		2142	46.46	-.060							1.0
MORF	HE	153	187	ESg		2143	4.730	.140							1.0
MORF	HN	153	187	IAML		2143	5.81			2	0.1				

**March 24 2017 Hour: 0:46 40.5 Lat: 37.24N Lon: 8.60W Depth: 17F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.1 secs**

**SW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	329	EP		046	43.41	-.210							1.0
MORF	HE	9	329	ES		046	45.980	.090							1.0
MORF	HE	9	329	IAML		046	46.21			36	0.2				
MESJ	HE	75	27	ES		047	1.440	.130							1.0
MESJ	HN	75	27	IAML		047	3.14			4	0.2				

**March 24 2017 Hour: 9:0 56.5 Lat: 3.31N Lon: 79.38W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.5Mb IGL Rms: 0.0 secs**

**SOUTH OF PANAMA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8093	52	EP		912	24.97	-.030							1.0
MORF	BZ	8093	52	IAMB		912	33.74			49	1.0				

March 25 2017 Hour: 8:52 50.4 Lat: 39.85N Lon: 13.09W Depth: 25F Agency: IGL Regional  
Magnitudes: 2.9ML 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	478	116	EP		853	52.930	.200							1.0
MESJ	HN	478	116	ES		854	38.330	.090							1.0
MESJ	HE	478	116	IAML		854	43.01		18	0.2					
MORF	HZ	479	125	EP		853	52.72	-.150							1.0
MORF	HE	479	125	ES		854	38.33	-.140							1.0
MORF	HN	479	125	IAML		854	43.84		29	0.2					

March 26 2017 Hour: 0:7 47.6 Lat: 36.64N Lon: 7.56W Depth: 32F 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	122	308	EP		0 8	5.680	.120							1.0
MORF	HN	122	308	ES		0 8	18.64	-.020							1.0
MORF	HN	122	308	IAML		0 8	21.31		8	0.3					
MESJ	HZ	145	336	EP		0 8	8.460	.030							1.0
MESJ	HN	145	336	ES		0 8	23.48	-.140							1.0
MESJ	HN	145	336	IAML		0 8	25.62		4	0.2					

March 26 2017 Hour: 10:21 24.6 Lat: 38.68N Lon: 9.34W Depth: 0 Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs

SW OEIRAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	135	133	EP		1021	46.31	-.130							1.0
MESJ	HE	135	133	ES		1022	2.500	.130							1.0
MESJ	HE	135	133	IAML		1022	5.40		2	0.1					

March 26 2017 Hour: 12:50 44.9 Lat: 38.19N Lon: 8.46W Depth: 1 Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.0 secs

NE GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	44	151	EP		1250	51.96	-.050							1.0
MESJ	HE	44	151	ES		1250	57.270	.050							1.0
MESJ	HE	44	151	IAML		1250	57.90		5	0.1					

March 27 2017 Hour: 0:28 31.3 Lat: 38.14N Lon: 8.41W Depth: 2F Agency: IGL Regional  
Magnitudes: 0.2ML IGL Rms: 0.1 secs

SE GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	37	153	EP		028	37.31	-.010							1.0
MESJ	HE	37	153	ES		028	41.65	-.070							1.0
MESJ	HN	37	153	IAML		028	41.90		3	0.1					
MORF	HZ	95	193	EP		028	46.690	.080							1.0

March 27 2017 Hour: 10:50 18.6 Lat: 52.80N Lon: 172.20E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

NEAR ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9870	1	EP		11 3	12.16	-.100							1.0
GGNV	BN	9870	1	ESKSac		1113	42.000	.120							1.0
GGNV	BZ	9870	1	IAMs_20		1139	37.07		8966	20.4					
MESJ	BZ	9968	0	EP		11 3	16.26	-.170							1.0
MESJ	BZ	9968	0	EPP		11 6	48.990	.060							1.0
MESJ	BN	9968	0	ESKSac		1113	47.240	.060							1.0
MESJ	BZ	9968	0	IAMs_20		1142	8.58		8972	20.6					
MORF	BZ10027	1	EP			11 3	18.73	-.240							1.0
MORF	BZ10027	1	EPP			11 6	53.280	.090							1.0
MORF	BN10027	1	ESKSac			1113	50.530	.150							1.0
MORF	BN10027	1	IAMs_20			1143	17.36		6983	18.9					



**March 27 2017 Hour: 11:36 57.9 Lat: 36.38N Lon: 10.32W Depth: 32F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.1 secs**

**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	181	55	EP		1137	23.05	-.070							1.0
MORF	HE	181	55	ES		1137	41.55	-.010							1.0
MORF	HN	181	55	IAML		1137	42.61		4	0.1					
MESJ	HZ	247	48	EP		1137	31.41	0.090							1.0
MESJ	HN	247	48	ES		1137	55.73	-.000							1.0
MESJ	HN	247	48	IAML		1137	57.51		1	0.2					

**March 27 2017 Hour: 12:31 30.2 Lat: 32.25N Lon: 7.71W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 2.5ML IGL Rms: 0.0 secs**

**MOROCCO Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	568	352	EP		1232	44.68	-.030							1.0
MESJ	HN	622	356	ES		1233	50.49	0.030							1.0
MESJ	HN	622	356	IAML		1233	53.97		7	0.8					

**March 27 2017 Hour: 21: 7 25.7 Lat: 36.18N Lon: 8.21W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	131	343	EP		21 7	43.90	-.100							1.0
MORF	HE	131	343	ES		21 7	57.45	0.070							1.0
MORF	HE	131	343	IAML		21 7	59.35		29	0.2					
MESJ	HZ	184	360	EP		21 7	50.61	0.040							1.0
MESJ	HN	184	360	ES		21 8	8.73	-.010							1.0
MESJ	HN	184	360	IAML		21 8	10.32		13	0.1					

**March 28 2017 Hour: 4:33 42.9 Lat: 35.90N Lon: 7.64W Depth: 30F 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	180	330	EP		434	8.08	-.080							1.0
MORF	HE	180	330	ES		434	26.73	0.140							1.0
MORF	HE	180	330	IAML		434	28.43		8	0.1					
MESJ	HZ	221	347	EP		434	13.32	0.100							1.0
MESJ	HN	221	347	ES		434	35.17	-.170							1.0
MESJ	HN	221	347	IAML		434	36.73		7	0.2					

**March 28 2017 Hour: 9:35 57.2 Lat: 36.83N Lon: 12.07W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.3ML 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	309	79	EP		936	40.99	-.060							1.0
MORF	HE	309	79	ES		937	13.04	-.010							1.0
MORF	HE	309	79	IAML		937	15.45		14	0.1					
MESJ	HZ	359	71	EP		936	47.28	-.020							1.0
MESJ	HE	359	71	ES		937	23.95	0.100							1.0
MESJ	HN	359	71	IAML		937	28.81		7	0.2					

**March 28 2017 Hour: 18:56 4.4 Lat: 36.78N Lon: 8.45W Depth: 5F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	61	343	EP		1856	14.20	-.100							1.0
MORF	HN	61	343	ES		1856	21.63	0.100							1.0
MORF	HN	61	343	IAML		1856	23.38		4	0.2					

**March 28 2017 Hour: 22: 3 16.0 Lat: 36.60N Lon: 9.80W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	52	EP		22	3	36.160	0.000						1.0
MORF	HN	129	52	ES		22	3	50.940	0.040						1.0
MORF	HE	129	52	IAML		22	3	53.31		21	0.2				
MESJ	HZ	196	45	EP		22	3	44.48	-.030						1.0
MESJ	HN	196	45	ES		22	4	5.33	-.020						1.0
MESJ	HN	196	45	IAML		22	4	8.15		8	0.2				

**March 29 2017 Hour: 3:49 2.9 Lat: 5.32N Lon: 82.50W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.2Mb IGL Rms: 0.0 secs**

**SOUTH OF PANAMA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8232	53	EP		4	0	38.790	0.020						1.0
MORF	BZ	8232	53	IAMB		4	0	41.36		42	1.2				
MESJ	BZ	8276	52	EP		4	0	40.99	-.020						1.0
MESJ	BZ	8276	52	IAMB		4	0	42.06		21	1.4				

**March 29 2017 Hour: 4: 9 25.0 Lat: 56.92N Lon: 162.73E Depth: 23F Agency: IGL Distant**  
**Magnitudes: 6.7Ms IGL Rms: 0.1 secs**

**NEAR EAST COAST OF KAMCHATKA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9382	354	EP		421	55	410.170							1.0
GGNV	BZ	9382	354	EPP		425	10	91-.120							1.0
GGNV	BN	9382	354	ES		432	17	390.020							1.0
GGNV	BN	9382	354	ESS		437	53	14-.080							1.0
GGNV	BZ	9382	354	IAMS_20		5	6	49.14		36056	24.4				
MESJ	BZ	9473	353	EP		421	59	510.150							1.0
MESJ	BZ	9473	353	EPP		425	17	57-.100							1.0
MESJ	BN	9473	353	ES		432	22	700.050							1.0
MESJ	BN	9473	353	ESS		438	5	21-.020							1.0
MESJ	BZ	9473	353	IAMS_20		5	2	33.96		24243	17.7				
MORF	BZ	9535	353	EP		422	2	250.050							1.0
MORF	BZ	9535	353	EPP		425	22	11-.140							1.0
MORF	BN	9535	353	ESKSac		432	26	22-.070							1.0
MORF	BN	9535	353	ESS		438	13	650.120							1.0
MORF	BZ	9535	353	IAMS_20		5	3	49.05		38567	28.2				

**March 29 2017 Hour: 5:27 51.5 Lat: 56.89N Lon: 162.78E Depth: 43F Agency: IGL Distant**  
**Magnitudes: 5.3Mb IGL Rms: 0.0 secs**

**NEAR EAST COAST OF KAMCHATKA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9476	353	EP		540	23	290.040							1.0
MESJ	BZ	9476	353	IAMB		540	28	20		16	1.2				
MORF	BZ	9539	353	EP		540	26	04-.040							1.0
MORF	BZ	9539	353	IAMB		540	27	43		39	1.3				

**March 29 2017 Hour: 6:29 31.4 Lat: 39.74N Lon: 29.36W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 4.7Mb IGL Rms: 0.1 secs**

**AZORES ISLANDS, PORTUGAL Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	1745	87	EP		633	12	630.000							1.0
GGNV	HZ	1745	87	IAMB		633	14	93		41	0.4				
MORF	HZ	1822	92	EP		633	21	630.070							1.0
MORF	HZ	1822	92	IAMB		633	29	98		49	1.3				
MESJ	HZ	1844	90	EP		633	24	04-.070							1.0
MESJ	HZ	1844	90	IAMB		633	31	73		67	1.5				

**March 29 2017 Hour: 6:35 16.5 Lat: 39.93N Lon: 29.64W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.1Mb IGL Rms: 0.1 secs**  
**AZORES ISLANDS, PORTUGAL Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	1847	92	EP		639	9.540	.100							1.0
MORF	HZ	1847	92	IAMB		639	14.33			239	1.8				
MESJ	HZ	1868	90	EP		639	11.78	-.100							1.0
MESJ	HZ	1868	90	IAMB		639	17.70			366	2.0				

**March 29 2017 Hour: 9:34 14.8 Lat: 38.73N Lon: 7.89W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.1 secs**  
**E ARRAIOLOS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	103	196	EP		934	31.190	.090							1.0
MESJ	HE	103	196	ES		934	42.89	-.090							1.0
MESJ	HE	103	196	IAML		934	43.88			24	0.2				

**March 29 2017 Hour: 15:15 26.3 Lat: 26.00N Lon: 110.02W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.7Ms 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	9242	51	EP		1527	52.380	.020							1.0
MESJ	BZ	9242	51	IAMS_20	16	1	34.41			4719	27.5				

**March 29 2017 Hour: 15:48 1.4 Lat: 38.72N Lon: 7.90W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.2 secs**  
**E ARRAIOLOS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	102	196	EP		1548	17.630	.090							1.0
MESJ	HN	102	196	ES		1548	29.420	.130							1.0
MESJ	HE	102	196	IAML		1548	30.43			80	0.2				
MORF	HZ	170	203	EP		1548	26.15	-.350							1.0
MORF	HE	170	203	ES		1548	44.900	.110							1.0
MORF	HN	170	203	IAML		1548	50.23			19	0.2				

**March 29 2017 Hour: 20:37 4.1 Lat: 10.93S Lon: 41.08E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 1.3ML IGL Rms: 0.0 secs**  
**COMOROS REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7449	319	EP		2047	56.93	-.050							1.0

**March 29 2017 Hour: 21:28 33.1 Lat: 37.45N Lon: 9.31W Depth: 4F Agency: IGL Regional**  
**Magnitudes: 1.3ML 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	61	105	EP		2128	42.77	-.090							1.0
MORF	HE	61	105	ES		2128	50.050	.040							1.0
MORF	HN	61	105	IAML		2128	51.64			14	0.1				
MESJ	HZ	105	65	EP		2128	50.120	.020							1.0
MESJ	HN	105	65	ES		2129	2.560	.030							1.0
MESJ	HE	105	65	IAML		2129	4.20			8	0.3				

**March 29 2017 Hour: 23:16 50.8 Lat: 38.68N Lon: 8.45W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.3ML IGL Rms: 0.2 secs**  
**NE VENDAS NOVAS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	61	274	EP		2317	0.46	-.200							1.0
GGNV	HN	61	274	ES		2317	8.080	.250							1.0
GGNV	HN	61	274	IAML		2317	9.74			88	0.2				
MESJ	HZ	95	168	EP		2317	6.20	-.020							1.0
MESJ	HE	95	168	ES		2317	17.19	-.270							1.0
MESJ	HN	95	168	IAML		2317	20.53			77	0.2				
MORF	HZ	153	187	EPg		2317	15.810	.230							1.0

MORF HN 153 187 ES 2317 33.320.020 1.0  
MORF HN 153 187 IAML 2317 35.23 48 0.2

**March 30 2017 Hour: 7:30 27.9 Lat: 38.68N Lon: 8.46W Depth: 1F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.0 secs**

**NE VENDAS NOVAS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	96	167	EP		730	43.400	.040							1.0
MESJ	HN	96	167	ES		730	54.59-	.040							1.0
MESJ	HN	96	167	IAML		730	56.31			5	0.1				

**March 30 2017 Hour: 11:22 10.1 Lat: 38.68N Lon: 8.45W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.1 secs**

**E VENDAS NOVAS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	95	168	EP		1122	25.570	.060							1.0
MESJ	HN	95	168	ES		1122	36.68-	.060							1.0
MESJ	HN	95	168	IAML		1122	38.36			3	0.1				

**March 30 2017 Hour: 17:21 58.6 Lat: 38.72N Lon: 7.90W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.1 secs**

**E ARRAIOLOS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	102	196	EP		1722	14.810	.130							1.0
MESJ	HE	102	196	ES		1722	26.30-	.130							1.0
MESJ	HE	102	196	IAML		1722	27.41			15	0.2				

**March 31 2017 Hour: 3:27 44.0 Lat: 37.35N Lon: 8.42W Depth: 7F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.1 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	21	257	EP		327	47.56-	.090							1.0
MORF	HE	21	257	ES		327	50.440	.160							1.0
MORF	HE	21	257	IAML		327	50.65			168	0.2				
MESJ	HZ	57	18	EP		327	53.27-	.070							1.0

**March 31 2017 Hour: 17:25 25.6 Lat: 52.71N Lon: 32.28W Depth: 20F Agency: IGL Distant**  
**Magnitudes: 5.1Ms IGL Rms: 0.1 secs**

**REYKJANES RIDGE Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2486	122	EP		1730	22.33-	.060							1.0
MESJ	BE	2486	122	IAMs_20		1735	5.55			6307	15.4				
MORF	BZ	2507	124	EP		1730	24.480	.060							1.0
MORF	BE	2507	124	IAMs_20		1735	27.44			6057	22.3				

**March 31 2017 Hour: 19:54 58.3 Lat: 37.33N Lon: 8.67W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 0.8ML 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	147	EP		1955	0.55-	.140							1.0
MORF	HE	3	147	ES		1955	2.560	.130							1.0
MORF	HN	3	147	IAML		1955	3.01			66	0.2				
MESJ	HZ	69	35	EP		1955	9.46-	.010							1.0
MESJ	HE	69	35	ES		1955	17.640	.020							1.0
MESJ	HE	69	35	IAML		1955	18.03			3	0.1				

**April 1 2017 Hour: 17:44 41.4 Lat: 36.53N Lon: 7.84W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	112	320	ES		1745	11.52-	.190							1.0
MORF	HN	112	320	IAML		1745	13.29			6	0.2				
MESJ	HZ	149	347	EP		1745	3.610	.170							1.0
MESJ	HN	149	347	ES		1745	19.580	.030							1.0

MESJ HN 149 347 IAML 1745 20.59 4 0.1

**April 1 2017 Hour: 18:39 9.6 Lat: 36.29N Lon: 8.39W Depth: 6F Agency: IGL Regional  
Magnitudes: 1.9ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	348	EP		1839	27.98	-.120							1.0
MORF	HE	115	348	ES		1839	41.780	.200							1.0
MORF	HE	115	348	IAML		1839	42.44		31	0.1					
MESJ	HZ	173	5	EP		1839	35.82	-.090							1.0
MESJ	HN	173	5	ES		1839	55.120	.010							1.0
MESJ	HN	173	5	IAML		1839	55.87		9	0.1					

**April 2 2017 Hour: 1:38 54.1 Lat: 6.97S Lon: 80.88W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.2Ms IGL Rms: 0.0 secs**

**NEAR COAST OF NORTHERN PERU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8936	50	EP		151	5.540	.010							1.0
MORF	BE	8936	50	ES		2 1	11.920	.050							1.0
MORF	BZ	8936	50	IAMs_20		227	57.35		592	11.9					
GGNV	BZ	8939	49	EP		151	5.640	.040							1.0
GGNV	BZ	8939	49	IAMs_20		227	35.88		1794	22.8					
MESJ	BZ	8989	50	EP		151	8.02	-.030							1.0
MESJ	BN	8989	50	ES		2 1	16.70	-.070							1.0
MESJ	BZ	8989	50	IAMs_20		227	15.98		703	12.6					

**April 2 2017 Hour: 2:57 42.8 Lat: 36.24N Lon: 4.11W Depth: 6F Agency: IGL Regional  
Magnitudes: 1.7ML 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	406	297	EP		258	38.110	.020							1.0
MESJ	HE	406	297	ES		259	18.41	-.020							1.0
MESJ	HN	406	297	IAML		259	21.77		2	0.3					

**April 2 2017 Hour: 6:14 46.2 Lat: 39.32N Lon: 11.46W Depth: 50F Agency: IGL Regional  
Magnitudes: 3.1ML IGL Rms: 0.2 secs**

**NORTH ATLANTIC OCEAN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	327	119	EPg		6 2	29.760	.080							1.0
MESJ	HE	327	119	ES		6 3	0.760	.080							1.0
MESJ	HN	327	119	IAML		6 3	4.83		71	0.1					
MORF	HZ	333	131	EP		6 2	30.210	.240							1.0
MORF	HN	333	131	ES		6 3	1.50	-.400							1.0
MORF	HN	333	131	IAML		6 3	4.77		80	0.1					

**April 2 2017 Hour: 16:46 44.2 Lat: 36.47N Lon: 8.02W Depth: 14F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	109	329	EP		1647	1.37	-.010							1.0
MORF	HE	109	329	ES		1647	13.900	.010							1.0
MORF	HN	109	329	IAML		1647	16.46		5	0.2					

**April 3 2017 Hour: 2:45 9.1 Lat: 18.75N Lon: 69.32W Depth: 93F Agency: IGL Distant  
Magnitudes: 5.0Mb IGL Rms: 0.0 secs**

**DOMINICAN REPUBLIC Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6243	57	EP		254	38.740	.000							1.0
MESJ	BZ	6243	57	IAMB		254	41.36		10	0.7					

April 3 2017 Hour: 6:44 15.9 Lat: 35.52N Lon: 3.93W Depth: 1 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	462	305	EP		645	18.560	.100							1.0
MESJ	HN	462	305	ES		646	4.01	-.100							1.0
MESJ	HN	462	305	IAML		646	5.95			3	0.3				

April 3 2017 Hour: 13:34 17.1 Lat: 36.67N Lon: 11.13W Depth: 32F Agency: IGL Regional  
Magnitudes: 1.7ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	232	72	EP		1334	48.68	-.010							1.0
MORF	HE	232	72	ES		1335	11.740	.010							1.0
MORF	HE	232	72	IAML		1335	13.32			4	0.1				

April 3 2017 Hour: 17:40 17.8 Lat: 22.60S Lon: 25.18E Depth: 22F Agency: IGL Distant  
Magnitudes: 6.9Ms IGL Rms: 0.1 secs

BOTSWANA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7518	331	EP		1751	12.75	-.040							1.0
MORF	BN	7518	331	ES		18 0	9.260	.140							1.0
MORF	BN	7518	331	IAMs_20		1823	45.50		61394	15.4					
MESJ	BZ	7547	332	EP		1751	14.350	.010							1.0
MESJ	BE	7547	332	ES		18 0	11.82	-.250							0.9
MESJ	BN	7547	332	IAMs_20		1823	0.41		41453	16.0					
GGNV	BZ	7673	332	EP		1751	21.480	.080							1.0
GGNV	BE	7673	332	ES		18 0	25.530	.040							1.0
GGNV	BE	7673	332	IAMs_20		1823	47.29		63200	11.5					

April 3 2017 Hour: 17:42 12.5 Lat: 36.60N Lon: 11.92W Depth: 12F Agency: IGL Regional  
Magnitudes: 3.4ML 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	302	74	EP		1742	54.13	-.090							1.0
MORF	HN	302	74	ES		1743	24.720	.040							1.0
MORF	HN	302	74	IAML		1743	27.69		204	0.4					
GGNV	HZ	339	45	EP		1742	58.860	.030							1.0
MESJ	HZ	356	66	EP		1743	1.000	.040							1.0
MESJ	HN	356	66	ES		1743	36.32	-.010							1.0
MESJ	HN	356	66	IAML		1743	40.35		87	0.3					

April 3 2017 Hour: 21:7 13.9 Lat: 36.41N Lon: 11.73W Depth: 27F Agency: IGL Regional  
Magnitudes: 1.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	292	69	EP		21 7	53.22	-.030							1.0
MORF	HN	292	69	ES		21 8	22.120	.160							1.0
MORF	HN	292	69	IAML		21 8	23.57		6	0.2					
MESJ	HE	350	62	ES		21 8	34.20	-.140							1.0
MESJ	HN	350	62	IAML		21 8	35.55		1.00	0.1					

April 3 2017 Hour: 23:20 16.0 Lat: 36.51N Lon: 5.39W Depth: 2F 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	292	301	EP		2320	57.610	.040							1.0

**April 4 2017 Hour: 4:48 56.1 Lat: 37.34N Lon: 8.54W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.2 secs**  
**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	249	EP		448	58.39	-.210							1.0
MORF	HN	11	249	ES		449	0.680	.240							1.0
MORF	HN	11	249	IAML		449	1.40			431	0.2				
MESJ	HZ	62	27	EP		449	6.22	-.020							1.0
MESJ	HN	62	27	ES		449	13.66	-.000							1.0
MESJ	HN	62	27	IAML		449	14.49			14	0.1				

**April 4 2017 Hour: 4:48 37.4 Lat: 36.76N Lon: 71.56E Depth:175F Agency: IGL Distant**  
**Magnitudes: 5.1Mb IGL Rms: 0.0 secs**  
**HINDU KUSH REGION, AFGHANISTAN Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6841	298	EP		458	35.77	-.040							1.0
MESJ	BZ	6841	298	IAMB		458	37.32			28	0.9				

**April 4 2017 Hour: 8:16 4.3 Lat: 36.73N Lon: 7.88W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	94	313	EP		816	18.91	-.160							1.0
MORF	HN	94	313	ES		816	29.940	.060							1.0
MORF	HN	94	313	IAML		816	30.53			4	0.1				
MESJ	HZ	127	346	EP		816	23.390	.180							1.0
MESJ	HE	127	346	ES		816	36.98	-.070							1.0
MESJ	HE	127	346	IAML		816	37.95			2	0.1				

**April 4 2017 Hour: 13:55 1.7 Lat: 38.23N Lon: 8.31W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.0 secs**  
**SE ALCACER DO SAL, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	44	170	EP		1355	8.970	.010							1.0
MESJ	HE	44	170	ES		1355	14.23	-.060							1.0
MESJ	HE	44	170	IAML		1355	15.10			53	0.1				
MORF	HN	107	196	ES		1355	31.110	.050							1.0
MORF	HN	107	196	IAML		1355	34.26			51	0.3				

**April 4 2017 Hour: 16:22 57.2 Lat: 36.68N Lon: 8.14W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 0.9ML 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	83	327	EP		1623	10.49	-.150							1.0
MORF	HE	83	327	ES		1623	20.760	.290							1.0
MORF	HE	83	327	IAML		1623	22.36			3	0.1				
MESJ	HZ	129	357	EP		1623	17.38	-.220							1.0
MESJ	HE	129	357	ES		1623	32.590	.080							1.0
MESJ	HN	129	357	IAML		1623	35.27			3	0.2				

**April 4 2017 Hour: 23: 2 31.6 Lat: 39.89N Lon: 14.61W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.1 secs**  
**NORTH ATLANTIC OCEAN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	592	117	EP		23	3	49.95	-.120						1.0
MORF	HN	592	117	ES		23	4	47.23	-.090						1.0
MORF	HE	592	117	IAML		23	4	53.10		15	0.2				
MESJ	HZ	599	110	EP		23	3	51.020	.210						1.0

April 4 2017 Hour: 23:53 4.2 Lat: 36.93N Lon: 4.11W Depth: 32F Agency: IGL Regional  
Magnitudes: 3.1ML 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	378	287	EP		2353	53.930	.060							1.0
MESJ	HE	378	287	ES		2354	30.08	-.050							1.0
MESJ	HN	378	287	IAML		2354	32.16			40	0.3				
MORF	HZ	406	277	EP		2353	57.400	.100							1.0
MORF	HN	406	277	ES		2354	35.95	-.110							1.0
MORF	HE	406	277	IAML		2354	40.05			68	0.2				

April 5 2017 Hour: 6: 9 10.6 Lat: 35.82N Lon: 60.47E Depth: 10F Agency: IGL Distant  
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

NORTHEASTERN IRAN Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5989	294	EP		618	33.79	-.100							1.0
MESJ	BZ	5989	294	IAMs_20		648	14.49			4696	15.2				
GGNV	BZ	6031	295	EP		618	36.780	.140							1.0
GGNV	BE	6031	295	IAMs_20		649	17.50			6783	19.9				
MORF	BZ	6045	294	EP		618	37.63	-.030							1.0
MORF	BN	6045	294	IAMs_20		647	31.88			5476	19.6				

April 5 2017 Hour: 22:17 42.7 Lat: 18.99S Lon: 169.58E Depth: 248F 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	BZ17930	355	EP	KPab		2237	58.000	.010							1.0
MORF	BZ17993	356	EP	KPab		2238	0.52	-.010							1.0

April 6 2017 Hour: 3:52 43.2 Lat: 38.72N Lon: 7.91W Depth: 8F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

E ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	101	196	EP		352	59.570	.100							1.0
MESJ	HE	101	196	ES		353	11.25	-.100							1.0
MESJ	HN	101	196	IAML		353	13.05			4	0.2				

April 6 2017 Hour: 10:33 2.9 Lat: 36.76N Lon: 8.71W Depth: 17F 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	61	5	EP		1033	12.79	-.090							1.0
MORF	HN	61	5	ES		1033	20.230	.070							1.0
MORF	HN	61	5	IAML		1033	21.44			20	0.1				
MESJ	HN	127	20	ES		1033	36.870	.020							1.0
MESJ	HN	127	20	IAML		1033	40.29			11	0.1				

April 6 2017 Hour: 17:15 22.7 Lat: 17.69S Lon: 72.57W Depth: 9F Agency: IGL Distant  
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

NEAR COAST OF SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9043	46	EP		1727	39.550	.090							1.0
MORF	BZ	9043	46	IAMB		1727	40.33			165	1.9				
MESJ	BZ	9106	46	EP		1727	42.27	-.090							1.0
MESJ	BZ	9106	46	IAMB		1727	44.68			55	1.6				

April 6 2017 Hour: 18:50 25.9 Lat: 38.05N Lon: 8.21W Depth: 2F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

W FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	23	182	EP		1850	29.780	.070							1.0
MESJ	HE	23	182	ES		1850	32.41	-.070							1.0
MESJ	HN	23	182	IAML		1850	32.60			39	0.2				



**April 6 2017 Hour: 23:21 37.2 Lat: 36.91N Lon: 13.59W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.8ML 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	441	83	EP		2322	33.83	-.040							1.0
MESJ	HN	487	76	ES		2323	24.72	0.040							1.0
MESJ	HE	487	76	IAML		2323	27.66			2	0.2				

**April 7 2017 Hour: 16:54 44.1 Lat: 37.32N Lon: 8.59W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 0.6ML IGL Rms: 0.1 secs**

**W MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	254	EP		1654	45.86	-.150							1.0
MORF	HN	6	254	ES		1654	47.53	0.110							1.0
MORF	HE	6	254	IAML		1654	47.90			40	0.2				
MESJ	HZ	66	29	EP		1654	54.98	0.080							1.0
MESJ	HN	66	29	ES		1655	2.76	-.040							1.0
MESJ	HE	66	29	IAML		1655	4.07			3	0.1				

**April 7 2017 Hour: 22:30 30.7 Lat: 36.04N Lon: 7.87W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 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	157	334	EP		2230	52.20	-.090							1.0
MESJ	HZ	202	351	EP		2230	57.96	0.090							1.0

**April 7 2017 Hour: 23:25 48.0 Lat: 37.31N Lon: 8.59W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.2 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	266	EP		2325	50.27	-.260							1.0
MORF	HN	5	266	ES		2325	52.51	0.170							1.0
MORF	HN	5	266	IAML		2325	53.02			89	0.1				
MESJ	HZ	67	29	EP		2325	59.04	0.120							1.0
MESJ	HN	67	29	ES		2326	6.84	-.020							1.0
MESJ	HN	67	29	IAML		2326	7.99			21	0.2				

**April 8 2017 Hour: 13:51 5.9 Lat: 32.13N Lon: 6.08W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 2.8ML IGL Rms: 0.0 secs**

**MOROCCO Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	621	338	EP		1352	27.03	-.030							1.0
MORF	HN	621	338	ES		1353	26.32	0.010							1.0
MORF	HN	621	338	IAML		1353	30.24			11	0.3				
MESJ	HZ	663	343	EP		1352	32.17	0.020							1.0

**April 9 2017 Hour: 12:37 39.3 Lat: 37.34N Lon: 8.56W Depth: 3F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.2 secs**

**N MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	245	EP		1237	40.58	-.240							1.0
MORF	HN	9	245	ES		1237	42.15	0.200							1.0
MORF	HN	9	245	IAML		1237	42.81			326	0.3				
MESJ	HZ	63	28	EP		1237	49.34	-.120							1.0
MESJ	HN	63	28	ES		1237	57.05	0.160							1.0
MESJ	HE	63	28	IAML		1237	58.30			3	0.1				

April 9 2017 Hour: 15:29 13.8 Lat: 37.42N Lon: 8.41W Depth: 16F Agency: IGL Regional  
Magnitudes: 1.2ML 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	25	239	EP		1529	18.29	-.260							1.0
MORF	HE	25	239	ES		1529	22.050	.040							1.0
MORF	HN	25	239	IAML		1529	22.87			30	0.2				
MESJ	HZ	50	20	EP		1529	22.080	.020							1.0
MESJ	HN	50	20	ES		1529	28.280	.210							1.0
MESJ	HE	50	20	IAML		1529	30.27			21	0.1				

April 10 2017 Hour: 0:43 54.3 Lat: 13.02N Lon: 125.36E Depth: 8F Agency: IGL Distant  
Magnitudes: 5.6Ms IGL Rms: 0.0 secs

PHILIPPINE ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12608	321	EPP			1	3	22.58	-.050						1.0
MESJ	BN12608	321	ESS			119	9.92	-.020							1.0
MESJ	BZ12608	321	IAMs_20			158	54.50			1230	15.3				
MORF	BZ12675	321	EPP			1	3	27.040	.070						1.0
MORF	BZ12675	321	IAMs_20			154	30.63			1387	16.3				

April 10 2017 Hour: 10:38 54.1 Lat: 5.71N Lon: 127.23E Depth: 58F Agency: IGL Distant  
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

PHILIPPINE ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13366	320	EPP			1059	3.440	.000							1.0
MESJ	BN13366	320	IAMs_20			1148	46.42			1650	23.4				
GGNV	BZ13373	321	EPP			1059	3.72	-.100							1.0
MORF	BZ13432	320	EPP			1059	7.640	.100							1.0
MORF	BZ13432	320	IAMs_20			1157	53.14			2424	18.3				

April 10 2017 Hour: 14:17 50.5 Lat: 37.06N Lon: 8.49W Depth: 20F Agency: IGL Regional  
Magnitudes: 1.9ML IGL Rms: 0.0 secs

SW LAGOA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	31	332	EP		1417	56.34	-.010							1.0
MORF	HE	31	332	ES		1418	0.630	.020							1.0
MORF	HE	31	332	IAML		1418	1.30			119	0.2				
MESJ	HZ	90	15	EP		1418	4.80	-.080							1.0
MESJ	HE	90	15	ES		1418	15.420	.060							1.0
MESJ	HE	90	15	IAML		1418	16.32			38	0.2				

April 10 2017 Hour: 15:36 41.9 Lat: 38.88N Lon: 11.15W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.9ML 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	281	128	EP		1537	20.59	-.220							1.0
MESJ	HN	281	113	ES		1537	49.330	.070							1.0
MESJ	HN	281	113	IAML		1537	52.46			4	0.3				
MORF	HN	281	128	IAML		1537	52.29			7	0.2				
MESJ	HZ	281	113	EP		1537	21.020	.170							1.0
MORF	HE	281	128	ES		1537	49.17	-.020							1.0

April 11 2017 Hour: 14:42 16.7 Lat: 5.69N Lon: 127.08E Depth: 11F Agency: IGL Distant  
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

PHILIPPINE ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13357	320	EPP			15	2	31.580	.040						1.0
MESJ	BN13357	320	IAMs_20			1548	45.26			966	14.6				
GGNV	BZ13364	321	EPP			15	2	32.040	.100						1.0
GGNV	BZ13364	321	IAMs_20			16	0	51.64		2307	29.0				
MORF	BZ13423	320	EPP			15	2	35.50	-.140						1.0
MORF	BZ13423	320	IAMs_20			16	1	51.31		1480	12.9				

April 12 2017 Hour: 1:34 59.6 Lat: 36.81N Lon: 10.47W Depth: 14F Agency: IGL Regional  
Magnitudes: 1.6ML 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	171	71	EP		135	24.930	.040							1.0
MORF	HE	171	71	ES		135	43.400	.020							1.0
MORF	HN	171	71	IAML		135	45.27			9	0.2				
MESJ	HZ	230	60	EP		135	32.15	-.030							1.0
MESJ	HE	230	60	ES		135	55.95	-.030							1.0
MESJ	HE	230	60	IAML		135	59.37			2	0.1				

April 12 2017 Hour: 2:15 44.7 Lat: 36.67N Lon: 9.72W Depth: 17F 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	119	53	EP		216	3.19	-.050							1.0
MORF	HE	119	53	ES		216	16.830	.050							1.0
MORF	HN	119	53	IAML		216	18.36			4	0.2				
MESJ	HZ	186	45	EP		216	11.50	-.070							1.0
MESJ	HE	186	45	ES		216	31.270	.070							1.0
MESJ	HE	186	45	IAML		216	32.29			1.00	0.1				

April 12 2017 Hour: 20:46 57.2 Lat: 36.61N Lon: 9.70W Depth: 14F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	50	EP		2047	16.310	.000							1.0
MORF	HE	121	50	ES		2047	30.310	.080							1.0
MORF	HN	121	50	IAML		2047	31.63			5	0.1				
MESJ	HZ	189	43	EP		2047	24.71	-.110							1.0
MESJ	HN	189	43	ES		2047	44.990	.030							1.0
MESJ	HE	189	43	IAML		2047	46.91			2	0.1				

April 13 2017 Hour: 3:42 26.9 Lat: 37.32N Lon: 8.57W Depth: 15F Agency: IGL Regional  
Magnitudes: 0.6ML 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	7	258	EP		342	29.56	-.040							1.0
MORF	HE	7	258	ES		342	31.650	.040							1.0
MORF	HN	7	258	IAML		342	31.99			20	0.2				

April 13 2017 Hour: 10:22 18.5 Lat: 35.26N Lon: 4.60W Depth: 12F Agency: IGL Regional  
Magnitudes: 2.2ML 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	429	303	EP		1023	15.97	-.080							1.0
MESJ	HZ	432	313	EP		1023	16.37	-.070							1.0
MESJ	HE	432	313	ES		1023	58.850	.150							1.0
MESJ	HN	432	313	IAML		1024	3.71			6	0.2				

April 14 2017 Hour: 3:43 6.7 Lat: 37.52N Lon: 9.04W Depth: 20F Agency: IGL Regional  
Magnitudes: 0.6ML 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	42	124	EP		343	13.96	-.080							1.0
MORF	HE	42	124	ES		343	19.420	.030							1.0
MORF	HN	42	124	IAML		343	21.04			7	0.1				
MESJ	HZ	81	64	EP		343	19.68	-.020							1.0
MESJ	HE	81	64	ES		343	29.250	.070							1.0
MESJ	HN	81	64	IAML		343	30.38			2	0.1				

**April 14 2017 Hour: 5:29 38.1 Lat: 12.39S Lon: 14.81W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.8Mb IGL Rms: 0.1 secs**

**SOUTHERN MID-ATLANTIC RIDGE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5539	6	EP		538	31.01	-.100							1.0
MORF	BZ	5539	6	I Amb		538	34.13			132	1.6				
MORF	BE	5539	6	ES		545	41.56	0.060							1.0
MESJ	BZ	5603	7	EP		538	35.39	-.040							1.0
MESJ	BZ	5603	7	I Amb		538	37.74			178	2.4				
MESJ	BE	5603	7	ES		545	49.54	0.100							1.0
GGNV	BZ	5689	6	EP		538	41.17	-.030							1.0
GGNV	BZ	5689	6	I Amb		538	43.84			877	2.8				

**April 14 2017 Hour: 18: 3 23.9 Lat: 22.52S Lon: 68.66W Depth:108F Agency: IGL Distant**  
**Magnitudes: 5.1Mb IGL Rms: 0.1 secs**

**ANTOFAGASTA, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9126	44	EP		1815	32.27	0.050							1.0
MORF	BZ	9126	44	I Amb		1815	35.18			80	1.6				
MESJ	BZ	9192	44	EP		1815	35.14	-.080							1.0
MESJ	BZ	9192	44	I Amb		1815	37.72			19	1.0				
MESJ	BN	9192	44	ES		1825	44.07	0.030							1.0

**April 14 2017 Hour: 21:39 53.9 Lat: 38.52N Lon: 7.96W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.1 secs**

**SW EVORA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	79	197	EP		2140	6.50	-.100							1.0
MESJ	HN	79	197	ES		2140	15.80	-.060							1.0
MESJ	HN	79	197	I AML		2140	17.25			13	0.1				
MORF	HZ	148	204	EP		2140	16.77	0.130							1.0
MORF	HN	148	204	ES		2140	33.27	0.050							1.0
MORF	HN	148	204	I AML		2140	35.82			15	0.4				

**April 15 2017 Hour: 8:19 42.0 Lat: 23.24S Lon: 67.65W Depth:135F Agency: IGL Distant**  
**Magnitudes: 5.7Mb IGL Rms: 0.1 secs**

**ANTOFAGASTA, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9112	44	EP		831	46.60	0.030							1.0
MORF	BZ	9112	44	I Amb		831	49.99			214	1.3				
MORF	BN	9112	44	ES		841	49.36	-.120							1.0
GGNV	BZ	9172	42	EP		831	49.29	0.000							1.0
GGNV	BZ	9172	42	I Amb		831	53.41			168	1.1				
GGNV	BN	9172	42	ES		841	54.98	0.140							1.0
MESJ	BZ	9178	43	EP		831	49.62	0.030							1.0
MESJ	BZ	9178	43	I Amb		831	53.59			122	0.9				
MESJ	BN	9178	43	ES		841	55.35	-.070							1.0

**April 15 2017 Hour: 9:30 60.0 Lat: 36.22N Lon: 8.52W Depth: 11F 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	121	355	EP		931	18.97	-.090							1.0
MESJ	HZ	182	8	EP		931	26.83	-.040							1.0
MESJ	HN	182	8	ES		931	46.64	0.130							1.0
MESJ	HN	182	8	I AML		931	47.56			5	0.2				

**April 15 2017 Hour: 12:52 0.1 Lat: 39.47N Lon: 9.18W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.1 secs**  
**NW CALDAS DA RAINHA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	199	155	EP		1252	29.06	-.120							1.0
MESJ	HE	199	155	ES		1252	50.540	.120							1.0
MESJ	HN	199	155	IAML		1252	55.96		6	0.2					

**April 15 2017 Hour: 20: 8 49.2 Lat: 37.74N Lon: 6.81W Depth: 5F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.1 secs**  
**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	125	275	EP		20 9	9.13	-.090							1.0
MESJ	HE	125	275	ESg		20 9	24.220	.090							1.0
MESJ	HN	125	275	IAML		20 9	26.66		5	0.1					

**April 15 2017 Hour: 20:10 17.9 Lat: 36.45N Lon: 8.03W Depth: 10F 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	110	330	EP		2010	35.36	-.030							1.0
MORF	HE	110	330	ES		2010	48.08	-.060							1.0
MORF	HE	110	330	IAML		2010	49.14		9	0.2					
MESJ	HZ	155	354	EP		2010	41.58	-.050							1.0
MESJ	HE	155	354	ES		2010	59.070	.140							1.0
MESJ	HE	155	354	IAML		2011	0.00		5	0.1					

**April 16 2017 Hour: 1:40 41.3 Lat: 36.69N Lon: 8.17W Depth: 14F 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	81	328	EP		140	54.18	-.060							1.0
MORF	HN	81	328	ES		141	3.730	.060							1.0
MORF	HN	81	328	IAML		141	5.09		7	0.1					

**April 16 2017 Hour: 6:49 19.3 Lat: 36.65N Lon: 9.64W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	114	50	EP		649	37.410	.080							1.0
MORF	HN	114	50	ES		649	50.540	.050							1.0
MORF	HN	114	50	IAML		649	51.22		8	0.2					
MESJ	HZ	182	43	EP		649	45.80	-.050							1.0
MESJ	HN	182	43	ES		650	5.14	-.100							1.0
MESJ	HE	182	43	IAML		650	6.06		2	0.1					

**April 16 2017 Hour: 9:44 5.8 Lat: 7.34S Lon: 83.18E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.4Mb IGL Rms: 0.1 secs**  
**SOUTH INDIAN OCEAN Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10636	307	EP			957	31.13	-.080							1.0
MESJ	BZ10636	307	IAMB			957	36.06		25	1.6					
MESJ	BZ10636	307	EPP			10 1	21.930	.120							1.0
MORF	BZ10669	307	EP			957	32.57	-.040							1.0
MORF	BZ10669	307	IAMB			957	33.22		12	1.0					

**April 16 2017 Hour: 10:47 38.3 Lat: 37.46N Lon: 12.76W Depth: 26F Agency: IGL Regional**  
**Magnitudes: 3.0ML IGL Rms: 0.1 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	364	91	EP		1048	26.40	-.190							1.0
MORF	HE	364	91	ES		1049	1.80	-.070							1.0
MORF	HE	364	91	IAML		1049	5.00		46	0.1					

MESJ HZ	403	83	EP	1048	31.480.150												1.0
MESJ HN	403	83	ES	1049	10.190.120												1.0
MESJ HE	403	83	IAML	1049	14.45				32	0.2							

**April 16 2017 Hour: 22:37 49.2 Lat: 42.79N Lon: 7.27W Depth: 6F Agency: IGL Regional**  
**Magnitudes: 2.3ML IGL Rms: 0.1 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	555	189	EP		2239	2.650.040								1.0
MESJ	HE	555	189	ES		2239	56.15-.080								1.0
MESJ	HN	555	189	IAML		2239	57.88		5	0.4					
MORF	HZ	620	191	EP		2239	10.42-.050								1.0
MORF	HN	620	191	ES		2240	9.920.100								1.0
MORF	HN	620	191	IAML		2240	10.11		4	0.3					

**April 17 2017 Hour: 2:21 33.5 Lat: 13.39S Lon: 166.54E Depth: 20F Agency: IGL Distant**  
**Magnitudes: 5.6Ms 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	BZ17195	352	EP	KP	f	241	23.560.030								1.0
GGNV	BZ17195	352	IAMs	20		354	23.14		1690	33.3					
MESJ	BZ17275	350	EP	KP	f	241	24.52-.030								1.0
MESJ	BZ17275	350	IAMs	20		4	4	39.96	1076	23.8					
MORF	BZ17341	351	EP	KP	f	241	25.410.000								1.0
MORF	BZ17341	351	IAMs	20		4	2	32.33	829	23.8					

**April 17 2017 Hour: 5:23 15.6 Lat: 17.48N Lon: 61.14W Depth: 21F Agency: IGL Distant**  
**Magnitudes: 5.6Ms IGL Rms: 0.1 secs**

**ANTIGUA AND BARBUDA REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	5540	54	EP		532	6.750.040								1.0
GGNV	BE	5540	54	ES		539	15.900.140								1.0
GGNV	BZ	5540	54	IAMs	20	548	50.00		5486	18.6					
MORF	BZ	5558	56	EP		532	7.97-.070								1.0
MORF	BE	5558	56	ES		539	18.280.100								1.0
MORF	BZ	5558	56	IAMs	20	549	4.58		5304	16.1					
MESJ	BZ	5604	55	EP		532	10.97-.180								1.0
MESJ	BE	5604	55	ES		539	23.88-.030								1.0
MESJ	BZ	5604	55	IAMs	20	549	7.76		6855	18.5					

**April 17 2017 Hour: 8:18 54.5 Lat: 36.75N Lon: 7.70W Depth: 28F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	105	306	EP		819	10.32-.140								1.0
MORF	HN	105	306	ES		819	22.05-.080								1.0
MORF	HN	105	306	IAML		819	23.07		4	0.2					
MESJ	HZ	129	339	EP		819	13.560.070								1.0
MESJ	HN	129	339	ES		819	27.520.150								1.0
MESJ	HN	129	339	IAML		819	29.21		1	0.1					

**April 17 2017 Hour: 10:23 8.3 Lat: 37.22N Lon: 7.91W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.1 secs**

**NW 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	66	279	EP		1023	18.95-.210								1.0
MORF	HE	66	279	ES		1023	27.03-.020								1.0
MORF	HN	66	279	IAML		1023	30.80		13	0.3					
MESJ	HZ	74	338	EP		1023	20.29-.000								1.0
MESJ	HN	74	338	ES		1023	29.240.230								1.0
MESJ	HN	74	338	IAML		1023	31.28		7	0.1					

April 17 2017 Hour: 22:58 40.9 Lat: 37.05N Lon: 7.30W Depth: 19F Agency: IGL Regional  
Magnitudes: 2.0ML IGL Rms: 0.1 secs

SE VILA REAL DE SANTO ANTONIO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	120	317	EP		2258	59.430	.090							1.0
MESJ	HE	120	317	ESg		2259	13.510	.050							1.0
MESJ	HE	120	317	IAML		2259	16.75			17	0.1				
MORF	HZ	123	284	EP		2258	59.60	-.230							1.0
MORF	HN	123	284	ESg		2259	14.530	.080							1.0
MORF	HN	123	284	IAML		2259	17.13			35	0.3				

April 17 2017 Hour: 23: 4 36.9 Lat: 36.52N Lon: 70.86E Depth:200F Agency: IGL Distant  
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

HINDU KUSH REGION, AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6797	297	EP		2314	30.08	-.010							1.0
MESJ	BZ	6797	297	IAMB		2314	31.38			16	0.9				

April 18 2017 Hour: 1:48 43.5 Lat: 21.79S Lon: 68.31W Depth:113F Agency: IGL Distant  
Magnitudes: 4.5Mb IGL Rms: 0.1 secs

ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9109	44	EP		2 0	50.23	-.080							1.0
MESJ	BZ	9109	44	IAMB		2 0	51.20			6	0.8				

April 18 2017 Hour: 6:47 33.2 Lat: 37.32N Lon: 8.60W Depth: 12F Agency: IGL Regional  
Magnitudes: 0.4ML 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	5	251	EP		647	35.06	-.280							1.0
MORF	HN	5	251	ES		647	37.040	.120							1.0
MORF	HN	5	251	IAML		647	37.32			18	0.2				
MESJ	HZ	67	30	EP		647	44.110	.150							1.0
MESJ	HN	67	30	ES		647	51.860	.030							1.0
MESJ	HN	67	30	IAML		647	52.48			2	0.1				

April 18 2017 Hour: 17:11 47.7 Lat: 18.05S Lon: 178.40W Depth:626F Agency: IGL Distant  
Rms: 0.1 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	17514	22	EpPKPdf		1732	57.19	-.020							1.0
MESJ	BZ	17637	22	EPKPdf		1730	34.080	.010							1.0
MESJ	BZ	17637	22	EpPKPdf		1732	58.56	-.090							1.0
MORF	BZ	17673	23	EPKPdf		1730	34.550	.050							1.0
MORF	BZ	17673	23	EpPKPdf		1732	59.150	.050							1.0

April 18 2017 Hour: 17:49 54.1 Lat: 2.73S Lon: 75.31W Depth: 11F Agency: IGL Distant  
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8162	50	EP		18 1	26.130	.050							1.0
MORF	BE	8162	50	ES		1810	55.700	.040							1.0
MORF	BZ	8162	50	IAMs_20		1829	15.80			4745	17.9				
GGNV	BZ	8166	48	EP		18 1	26.01	-.220							1.0
GGNV	BZ	8166	48	IAMs_20		1830	44.14			5857	11.2				
MESJ	BZ	8216	49	EP		18 1	28.980	.120							1.0
MESJ	BZ	8216	49	IAMs_20		1830	2.57			4981	17.7				

April 19 2017 Hour: 4:18 4.7 Lat: 37.21N Lon: 8.38W Depth: 19F Agency: IGL Regional  
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	26	294	EP		418	9.70	-.120							1.0
MORF	HN	26	294	ES		418	13.64	0.050							1.0
MORF	HN	26	294	IAML		418	14.17			6	0.1				
MESJ	HN	71	11	ES		418	24.75	0.080							1.0
MESJ	HN	71	11	IAML		418	26.13			7	0.2				

April 19 2017 Hour: 5:37 50.9 Lat: 35.56N Lon: 4.07W 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	449	305	EP		538	52.03	0.010							1.0

April 19 2017 Hour: 6:7 34.1 Lat: 35.89N Lon: 7.64W Depth: 28F 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	181	330	EP		6 7	59.49	-.140							1.0
MORF	HE	181	330	ES		6 8	18.32	0.070							1.0
MORF	HN	181	330	IAML		6 8	19.70			20	0.2				
MESJ	HZ	222	347	EP		6 8	4.80	0.090							1.0
MESJ	HN	222	347	ES		6 8	27.02	-.010							1.0
MESJ	HN	222	347	IAML		6 8	29.57			24	0.2				

April 20 2017 Hour: 1:26 18.9 Lat: 37.52N Lon: 7.57W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.1 secs

NW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	67	302	EP		126	29.80	-.010							1.0
MESJ	HN	67	302	ES		126	37.66	-.110							1.0
MESJ	HN	67	302	IAML		126	39.13			25	0.1				
MORF	HZ	99	256	EP		126	34.61	0.070							1.0
MORF	HN	99	256	ES		126	46.00	0.050							1.0
MORF	HN	99	256	IAML		126	47.08			28	0.2				

April 20 2017 Hour: 11:41 25.5 Lat: 44.43N Lon: 148.73E Depth: 61F Agency: IGL Distant  
Magnitudes: 5.8Mb IGL Rms: 0.0 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10614	342	EP			1154	43.16	-.000							1.0
MESJ	BZ10614	342	IAMB			1154	43.94			31	0.9				
MESJ	BN10614	342	ESKSac			12 5	13.79	0.000							1.0

April 20 2017 Hour: 13:2 27.1 Lat: 32.47N Lon: 7.63W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	545	350	EP		13 3	39.93	0.050							1.0
MESJ	HZ	598	355	EP		13 3	46.28	-.060							1.0

April 20 2017 Hour: 14:23 4.0 Lat: 36.52N Lon: 7.42W Depth: 9F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	163	334	EP		1423	28.71	-.020							1.0
MESJ	HN	163	334	ES		1423	46.82	0.020							1.0
MESJ	HN	163	334	IAML		1423	48.15			4	0.2				



**April 20 2017 Hour: 21:24 27.5 Lat: 27.52S Lon: 67.25W Depth:114F Agency: IGL Distant**  
**Magnitudes: 5.5Mb IGL Rms: 0.1 secs**  
**CATAMARCA, ARGENTINA Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ BZ 9494 43 EP 2136 51.940.060 1.0  
 MESJ BZ 9494 43 IAMB 2136 53.71 29 0.5

**April 20 2017 Hour: 23: 9 32.9 Lat: 36.50N Lon: 9.88W Depth: 35F 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  
 MESJ HZ 209 44 EP 2310 1.55-.060 1.0  
 MESJ HN 209 44 ES 2310 22.670.060 1.0  
 MESJ HE 209 44 IAML 2310 25.37 3 0.2

**April 21 2017 Hour: 0: 4 59.6 Lat: 38.24N Lon: 8.31W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.0 secs**  
**SE ALCACER DO SAL, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 45 170 EP 0 5 6.91-.010 1.0  
 MESJ HN 45 170 ES 0 5 12.250.010 1.0  
 MESJ HE 45 170 IAML 0 5 13.00 11 0.1

**April 21 2017 Hour: 0:17 53.3 Lat: 39.35N Lon: 8.64W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.0 secs**  
**SE ALCANENA, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 172 168 EP 018 19.990.040 1.0  
 MESJ HN 172 168 ES 018 39.35-.040 1.0  
 MESJ HN 172 168 IAML 018 39.90 0.90 0.1

**April 21 2017 Hour: 17:37 49.2 Lat: 36.10N Lon: 7.98W Depth: 27F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 147 336 EP 1738 10.32-.100 1.0  
 MORF HE 147 336 ES 1738 25.950.010 1.0  
 MORF HE 147 336 IAML 1738 27.24 6 0.1  
 MESJ HZ 194 354 EP 1738 16.310.020 1.0  
 MESJ HN 194 354 ES 1738 36.170.070 1.0  
 MESJ HN 194 354 IAML 1738 37.49 9 0.1

**April 21 2017 Hour: 22:27 4.4 Lat: 36.68N Lon: 6.94W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 172 319 EP 2227 27.70-.030 1.0  
 MESJ HN 172 319 ES 2227 44.790.030 1.0  
 MESJ HN 172 319 IAML 2227 47.28 6 0.2

**April 22 2017 Hour: 16:18 49.1 Lat: 38.73N Lon: 7.90W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.1 secs**  
**E ARRAILOS, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 103 196 EP 1619 5.200.120 1.0  
 MESJ HE 103 196 ES 1619 16.72-.020 1.0  
 MESJ HE 103 196 IAML 1619 17.82 29 0.2  
 MORF HZ 171 203 EP 1619 13.50-.120 1.0

April 22 2017 Hour: 18:54 57.6 Lat: 36.89N Lon: 7.46W Depth: 27F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	125	328	EP		1855	16.150	.030							1.0
MESJ	HN	125	328	ES		1855	29.63-	.030							1.0
MESJ	HN	125	328	IAML		1855	30.02			2	0.1				

April 22 2017 Hour: 21:22 13.0 Lat: 38.73N Lon: 7.90W Depth: 11F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.0 secs

**E ARRAIOLOS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	103	196	EPg		2122	29.710	.040							1.0
MESJ	HE	103	196	ES		2122	41.16-	.040							1.0
MESJ	HE	103	196	IAML		2122	41.69			5	0.2				

April 23 2017 Hour: 0:4 23.6 Lat: 36.46N Lon: 9.69W Depth: 10F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.0 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	132	44	EP		0 4	44.32-	.050							1.0
MORF	HE	132	44	ES		0 4	59.590	.040							1.0
MORF	HN	132	44	IAML		0 4	59.86			5	0.2				
MESJ	HZ	201	40	EP		0 4	52.98-	.030							1.0
MESJ	HN	201	40	ES		0 5	14.530	.040							1.0
MESJ	HE	201	40	IAML		0 5	15.92			0.60	0.1				

April 23 2017 Hour: 1:52 19.5 Lat: 10.80N Lon: 62.30W Depth: 78F Agency: IGL Distant  
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

**OFFSHORE SUCRE, VENEZUELA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6097	52	EP		2 1	41.36-	.010							1.0
MORF	BZ	6097	52	IAMB		2 1	43.91			26	0.9				

April 23 2017 Hour: 2:36 5.6 Lat: 33.04S Lon: 72.08W Depth: 10F Agency: IGL Distant  
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

**OFFSHORE VALPARAISO, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10186	46	EP			249	12.660	.000							1.0
MORF	BE10186	46	ESKSac			259	45.210	.150							1.0
MORF	BZ10186	46	IAMs_20			329	1.05			8776	24.8				
MESJ	BZ10254	45	EP			249	15.33-	.070							1.0
MESJ	BE10254	45	ESKSac			259	48.39-	.030							1.0
MESJ	BZ10254	45	IAMs_20			329	27.50			8544	18.1				
GGNV	BZ10257	44	EP			249	15.43-	.040							1.0
GGNV	BE10257	44	ESKSac			259	48.51-	.010							1.0
GGNV	BE10257	44	IAMs_20			328	28.81			5419	31.9				

April 23 2017 Hour: 6:49 7.6 Lat: 39.42N Lon: 12.96W Depth: 31F Agency: IGL Regional  
Magnitudes: 2.1ML IGL Rms: 0.0 secs

**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	444	121	EP		650	4.45-	.030							1.0
MESJ	HZ	448	112	EP		650	5.050	.030							1.0
MESJ	HE	448	112	ES		650	46.980	.000							1.0
MESJ	HE	448	112	IAML		650	48.91			4	0.1				

April 23 2017 Hour: 18:116.9 Lat: 7.78S Lon: 108.02E Depth: 98F Agency: IGL Distant  
Rms: 0.0 secs

JAVA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12846	308	EPK	pdf		1819	46.96	-.050							1.0

April 23 2017 Hour: 19:40 10.2 Lat: 33.04S Lon: 72.15W Depth: 16F Agency: IGL Distant  
Magnitudes: 5.5Ms IGL Rms: 0.1 secs

OFFSHORE VALPARAISO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10191	46	EP			1953	16.480	.070							1.0
MORF	BE10191	46	ESKS	Sac		20 3	48.04	-.060							1.0
MORF	BZ10191	46	IAMs	_20		2033	43.59			2332	19.9				
MESJ	BZ10259	45	EP			1953	19.08	-.060							1.0
MESJ	BZ10259	45	EPP			1956	59.450	.020							1.0
MESJ	BN10259	45	ESKS	Sac		20 3	51.530	.080							1.0
MESJ	BZ10259	45	IAMs	_20		2033	35.05			2412	21.2				
GGNV	BZ10262	44	EP			1953	19.16	-.050							1.0
GGNV	BZ10262	44	IAMs	_20		2033	40.21			1500	29.1				

April 23 2017 Hour: 22:32 16.2 Lat: 36.64N Lon: 7.20W Depth: 21F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	149	300	ES		2232	54.16	-.050							1.0
MORF	HE	149	300	IAML		2232	55.12			4	0.1				
MESJ	HZ	161	326	EP		2232	39.63	-.010							1.0
MESJ	HN	161	326	ES		2232	56.820	.060							1.0
MESJ	HN	161	326	IAML		2232	58.15			2	0.2				

April 24 2017 Hour: 4:32 6.6 Lat: 36.43N Lon: 4.57W Depth: 36F 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	360	297	EP		432	54.070	.090							1.0
MESJ	HN	360	297	ES		433	28.42	-.140							1.0
MESJ	HN	360	297	IAML		433	29.84			4	0.2				
MORF	HZ	376	286	EP		432	56.020	.000							1.0
MORF	HE	376	286	ES		433	32.140	.050							1.0
MORF	HE	376	286	IAML		433	34.78			7	0.3				

April 24 2017 Hour: 12:39 47.8 Lat: 36.40N Lon: 4.76W Depth: 40F Agency: IGL Regional  
Magnitudes: 2.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	346	298	EP		1240	33.46	-.010							1.0
MESJ	HN	346	298	ES		1241	6.77	-.020							1.0
MESJ	HN	346	298	IAML		1241	8.83			7	0.1				
MORF	HZ	361	287	EP		1240	35.330	.030							1.0
MORF	HN	361	287	ES		1241	9.970	.010							1.0
MORF	HN	361	287	IAML		1241	13.59			11	0.1				

April 24 2017 Hour: 14:9 38.5 Lat: 38.50N Lon: 7.96W Depth: 14F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.0 secs

SW EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	77	197	EP		14 9	50.800	.030							1.0
MESJ	HE	77	197	ES		14 9	59.74	-.030							1.0
MESJ	HE	77	197	IAML		1410	1.63			5	0.1				

April 24 2017 Hour: 21:38 28.9 Lat: 33.07S Lon: 72.05W Depth: 25F Agency: IGL Distant  
 Magnitudes: 7.3Ms IGL Rms: 0.1 secs

**OFFSHORE VALPARAISO, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10187		46	EP		2151	33.50	-.090							1.0
MORF	BZ10187		46	EPP		2155	11.75	-.080							1.0
MORF	BE10187		46	ESKSac		22 2	4.180	.010							1.0
MORF	BZ10187		46	IAMs_20		2231	42.66		107000	18.6					
MESJ	BZ10254		45	EP		2151	36.340	.010							1.0
MESJ	BZ10254		45	EPP		2155	16.57	-.010							1.0
MESJ	BE10254		45	ESKSac		22 2	7.590	.070							1.0
MESJ	BZ10254		45	IAMs_20		2231	33.27		112000	18.2					
GGNV	BZ10258		44	EP		2151	36.460	.060							1.0
GGNV	BZ10258		44	EPP		2155	16.74	-.040							1.0
GGNV	BE10258		44	ESKSac		22 2	7.700	.070							1.0
GGNV	BZ10258		44	IAMs_20		2230	58.43		68059	18.0					

April 25 2017 Hour: 6:30 55.8 Lat: 37.35N Lon: 8.37W Depth: 15F Agency: IGL Regional  
 Magnitudes: 1.1ML IGL Rms: 0.1 secs

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	25	259	EP		631	0.44	-.060							1.0
MORF	HE	25	259	ES		631	4.030	.070							1.0
MORF	HN	25	259	IAML		631	4.70		40	0.2					
MESJ	HN	56	14	ES		631	11.62	-.020							1.0
MESJ	HN	56	14	IAML		631	12.40		7	0.1					

April 26 2017 Hour: 18:12 32.5 Lat: 19.70S Lon: 69.32W Depth: 109F Agency: IGL Distant  
 Magnitudes: 5.1Mb IGL Rms: 0.1 secs

**TARAPACA, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8953	45	EP		1824	32.460	.040							1.0
MORF	BZ	8953	45	IAMB		1824	37.04		82	1.5					
MESJ	BZ	9017	45	EP		1824	35.480	.040							1.0
MESJ	BZ	9017	45	IAMB		1824	36.04		25	1.3					
MESJ	BN	9017	45	ES		1834	36.22	-.090							1.0

April 26 2017 Hour: 20:59 11.9 Lat: 36.51N Lon: 8.26W Depth: 24F Agency: IGL Regional  
 Magnitudes: 1.8ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	95	339	EP		2059	26.880	.010							1.0
MORF	HE	95	339	ES		2059	37.67	-.130							1.0
MORF	HN	95	339	IAML		2059	39.90		34	0.2					
MESJ	HZ	148	1	EP		2059	33.560	.130							1.0
MESJ	HN	148	1	ES		2059	49.15	-.010							1.0
MESJ	HN	148	1	IAML		2059	49.97		9	0.2					

April 26 2017 Hour: 23:21 18.2 Lat: 37.11N Lon: 8.58W Depth: 14F Agency: IGL Regional  
 Magnitudes: 0.9ML IGL Rms: 0.1 secs

**SW PORTIMAO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	23	344	EP		2321	22.40	-.150							1.0
MORF	HN	23	344	ES		2321	25.780	.080							1.0
MORF	HE	23	344	IAML		2321	26.05		58	0.2					
MESJ	HZ	87	21	EP		2321	32.120	.010							1.0
MESJ	HE	87	21	ES		2321	42.300	.070							1.0
MESJ	HE	87	21	IAML		2321	43.24		1	0.1					

April 27 2017 Hour: 3:21 5.4 Lat: 36.26N Lon: 9.94W Depth: 30F 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	163	44	EP		321	28.52	-.040							1.0
MORF	HN	163	44	ES		321	45.35	-.110							1.0
MORF	HN	163	44	IAML		321	45.95			17	0.1				
MESJ	HZ	233	41	EP		321	37.09	-.030							1.0
MESJ	HN	233	41	ES		322	0.460	.190							1.0
MESJ	HN	233	41	IAML		322	1.89			8	0.2				

April 27 2017 Hour: 12: 4 27.5 Lat: 35.20N Lon: 21.36E Depth: 10F Agency: IGL Distant  
Magnitudes: 4.6Mb IGL Rms: 0.1 secs

MEDITERRANEAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2655	285	EP		12 9	41.09	-.090							1.0
MESJ	BZ	2655	285	IAMB		12 9	42.48			15	0.8				
MESJ	BE	2655	285	ES		1213	58.450	.090							1.0

April 27 2017 Hour: 14:46 34.0 Lat: 51.26N Lon: 178.62E Depth: 19F Agency: IGL Distant  
Magnitudes: 5.5Ms IGL Rms: 0.1 secs

RAT ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10118		5	EP		1459	36.44	-.120							1.0
MESJ	BE10118		5	ESKSac		1510	7.68	-.030							1.0
MESJ	BN10118		5	ESS		1516	39.400	.090							1.0
MESJ	BZ10118		5	IAMs_20		1536	0.89			1387	19.1				
MORF	BZ10174		6	EP		1459	39.010	.050							1.0
MORF	BZ10174		6	IAMs_20		1537	56.79			2343	26.8				

April 28 2017 Hour: 9: 7 45.8 Lat: 37.07N Lon: 14.64W 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	532	85	EP		9 8	53.34	-.120							1.0
MORF	HE	532	85	ES		9 9	42.890	.020							1.0
MORF	HE	532	85	IAML		9 9	45.82			8	0.1				
MESJ	HZ	574	80	EP		9 8	58.48	-.030							1.0
MESJ	HE	574	80	ES		9 9	51.750	.140							1.0
MESJ	HN	574	80	IAML		9 9	56.29			6	0.1				

April 28 2017 Hour: 15:30 5.5 Lat: 33.25S Lon: 72.00W Depth: 20F Agency: IGL Distant  
Magnitudes: 6.1Ms IGL Rms: 0.1 secs

OFFSHORE VALPARAISO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10197		45	EP		1543	11.23	-.100							1.0
MORF	BE10197		45	ESKSac		1553	42.600	.010							1.0
MORF	BZ10197		45	IAMs_20		1625	5.12			5927	14.2				
MESJ	BZ10265		45	EP		1543	14.090	.020							1.0
MESJ	BE10265		45	ESKSac		1553	45.91	-.030							1.0
MESJ	BZ10265		45	IAMs_20		1625	15.00			6040	21.9				
GGNV	BZ10268		44	EP		1543	14.260	.100							1.0
GGNV	BZ10268		44	IAMs_20		1624	22.85			4051	14.5				

April 28 2017 Hour: 20:23 17.1 Lat: 5.52N Lon: 125.09E Depth: 26F Agency: IGL Distant  
Magnitudes: 7.0Ms IGL Rms: 0.1 secs

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13228		319	EPKpdf		2042	2.70	-.210							1.0
MESJ	BZ13228		319	EPP		2043	21.880	.240							1.0
MESJ	BN13228		319	ESS		2059	40.63	-.060							1.0
MESJ	BN13228		319	IAMs_20		2127	16.26			38741	26.8				
GGNV	BZ13239		320	EPP		2043	22.480	.180							1.0

GGNV	BE13239	320	IAMs_20	2129	46.61				56958	28.4								
MORF	BZ13293	319	EPKp $\bar{d}$ f	2042	3.99	-.090												1.0
MORF	BZ13293	319	EPP	2043	25.72	0.010												1.0
MORF	BE13293	319	ESS	2059	48.25	-.050												1.0
MORF	BZ13293	319	IAMs_20	2137	43.96				54264	25.2								

**April 29 2017 Hour: 10:6 34.8 Lat: 3.79N Lon: 75.92W Depth: 78F Agency: IGL Distant**  
**Magnitudes: 4.8Mb IGL Rms: 0.0 secs**

**COLOMBIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7758	52	EP		1017	36.47	0.020							1.0
MORF	BZ	7758	52	IAMB		1017	37.57			23	1.1				
MESJ	BZ	7807	51	EP		1017	39.06	-.020							1.0
MESJ	BZ	7807	51	IAMB		1017	39.58			5	0.7				

**April 29 2017 Hour: 10:53 22.5 Lat: 6.13S Lon: 29.97E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.4Mb IGL Rms: 0.0 secs**

**LAKE TANGANYKA REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6262	323	EP		11 3	3.33	0.000							1.0
MORF	BZ	6262	323	IAMB		11 3	9.72			138	1.7				
MESJ	BZ	6274	324	EP		11 3	4.01	-.000							1.0
MESJ	BZ	6274	324	IAMB		11 3	7.77			35	1.5				

**April 29 2017 Hour: 10:56 9.4 Lat: 42.96N Lon: 14.58W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 4.4ML 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	657	134	EP		1057	33.70	-.030							1.0
GGNV	HN	657	134	ES		1058	35.22	-.090							1.0
GGNV	HN	657	134	IAML		1058	41.95			697	0.4				
MESJ	HZ	784	134	EP		1057	48.88	0.130							0.9
MESJ	HN	784	134	ES		1059	1.36	0.070							0.9
MESJ	HN	784	134	IAML		1059	7.34			125	0.1				
MORF	HZ	805	139	EP		1057	51.29	-.060							0.9
MORF	HN	805	139	ES		1059	5.77	-.010							0.9
MORF	HN	805	139	IAML		1059	12.81			348	0.1				

**April 29 2017 Hour: 14:41 21.7 Lat: 37.16N Lon: 8.38W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.0 secs**

**SE SILVES, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	29	304	EP		1441	27.23	-.050							1.0
MORF	HN	29	304	ES		1441	31.40	0.030							1.0
MORF	HN	29	304	IAML		1441	32.01			7	0.2				
MESJ	HN	77	11	ES		1441	43.18	0.020							1.0
MESJ	HN	77	11	IAML		1441	44.94			2	0.1				

**April 30 2017 Hour: 2:54 54.9 Lat: 43.02N Lon: 14.60W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 4.2ML 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
GGNV	HZ	663	134	EP		256	19.11	-.040							1.0
GGNV	HN	663	134	ES		257	20.57	-.110							1.0
GGNV	HN	663	134	IAML		257	25.71			467	0.4				
MESJ	HZ	789	135	EP		256	34.31	0.210							0.9
MESJ	HN	789	135	ES		257	46.51	-.030							0.9
MESJ	HE	789	135	IAML		257	51.84			87	0.1				
MORF	HZ	811	139	EP		256	36.74	0.010							0.9
MORF	HN	811	139	ES		257	51.06	-.030							0.9
MORF	HN	811	139	IAML		257	56.19			188	0.2				

April 30 2017 Hour: 5:34 53.0 Lat: 37.38N Lon: 7.75W Depth: 2F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.0 secs

SW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	66	321	EP		535	3.56	-.040							1.0
MESJ	HN	66	321	ES		535	11.380	0.040							1.0
MESJ	HN	66	321	IAML		535	13.20			3	0.1				

April 30 2017 Hour: 17: 9 36.0 Lat: 36.66N Lon: 7.36W Depth: 25F 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	HE	135	302	ES		1710	10.55	-0.06							1.0
MORF	HN	135	302	IAML		1710	11.30			5	0.2				
MESJ	HZ	152	330	EP		17 9	57.98	0.01							1.0
MESJ	HE	152	330	ES		1710	14.06	0.05							1.0
MESJ	HE	152	330	IAML		1710	15.50			3	0.3				