

# Seismological Bulletin

from the

UNIVERSITY OF LISBON  
FACULTY OF SCIENCE

## IDL Seismic Network

November to December

2014

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## STATIONS USED

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

Lisboa (IGIDL)  
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Marmelete (Picos)  
MORF

Latitude	37.3063N
Longitude	8.6508W
Height	650m

Messejana  
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

**November 1 2014 Hour: 1:21 29.8 Lat: 36.96N Lon: 10.95W Depth: 9F 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	208	79	EP		122	0.27	0.10							1.0
MORF	HN	208	79	ES		122	22.25	-0.10							1.0
MORF	HN	208	79	AML		122	23.71			4	0.2				

**November 1 2014 Hour: 2: 6 14.1 Lat: 22.80S Lon: 63.76W Depth:521F Agency: IGL Distant**  
**Magnitudes: 4.6MB IGL Rms: 0.1 secs**

**SALTA, ARGENTINA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8805	42	EP		217	24.74	0.08							1.0
MORF	BZ	8805	42	AMB		217	26.24			53	1.4				

**November 1 2014 Hour: 10:59 55.4 Lat: 31.82S Lon: 111.18W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.7MS IGL Rms: 0.0 secs**

**EASTER ISLAND REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	13083	61	EPP		1119	54.10	-0.02							1.0
MORF	BE	13083	61	ESS		1136	7.71	-0.04							1.0
MORF	BE	13083	61	AMS		12 4	24.86			1612	25.2				
GGNV	BZ	13096	60	EPP		1119	54.89	0.06							1.0
GGNV	BE	13096	60	AMS		12 2	0.14			2469	16.2				

**November 1 2014 Hour: 18:57 23.2 Lat: 19.70S Lon: 177.79W Depth:434F Agency: IGL Distant**  
**Magnitudes: 5.7MS IGL Rms: 0.0 secs**

**FIJI REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	17654	25	EPKpdf		1916	29.32	-0.01							1.0
MORF	BZ	17811	26	EPKpdf		1916	31.06	0.01							1.0

**November 2 2014 Hour: 0:23 58.6 Lat: 36.52N Lon: 2.46W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 3.4ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	558	281	EP		025	11.93	-0.09							1.0
MORF	HE	558	281	ES		026	5.68	0.09							1.0
MORF	HE	558	281	AML		026	10.46			54	0.4				

**November 2 2014 Hour: 16: 5 46.5 Lat: 64.57N Lon: 16.97W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.0MS IGL Rms: 0.1 secs**

**ICELAND Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2920	166	EP		1611	21.82	-0.04							1.0
GGNV	BZ	2920	166	AMS		1620	41.13			4709	20.0				
MORF	BZ	3080	166	EP		1611	34.82	-0.13							1.0
MORF	BN	3080	166	ES		1616	18.46	0.18							1.0
MORF	BZ	3080	166	AMS		1621	15.46			4625	21.1				

**November 2 2014 Hour: 18:32 8.2 Lat: 35.78N Lon: 4.60W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 4.4ML 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	400	296	EP		1833	1.33	-0.14							1.0
MORF	HN	400	296	ES		1833	40.49	0.11							1.0
MORF	HN	400	296	AML		1833	42.39			2037	0.4				
GGNV	HZ	519	310	EP		1833	15.77	-0.01							0.9
GGNV	HE	519	310	ES		1834	5.18	0.04							0.9
GGNV	HN	519	310	AML		1834	9.93			329	0.2				

November 3 2014 Hour: 3:39 42.5 Lat: 34.95N Lon: 11.35W Depth: 30F Agency: IGL Regional  
Magnitudes: 5.3ML IGL Rms: 0.2 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	357	42	EP		340	29.84	0.12							1.0
MORF	HE	357	42	ES		341	3.92	-0.24							1.0
MORF	HN	357	42	AML		341	6.99		6297	0.1					0.9
GGNV	HZ	462	25	EP		340	42.43	-0.05							0.9
GGNV	HE	462	25	ES		341	26.41	0.18							0.9
GGNV	HE	462	25	AML		341	30.74		8197	0.4					

November 3 2014 Hour: 8:23 55.2 Lat: 4.66N Lon: 32.66W Depth: 10F Agency: IGL Distant  
Magnitudes: 4.9MS IGL Rms: 0.0 secs

CENTRAL MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4366	31	EP		831	23.76	-0.03							1.0
MORF	BZ	4366	31	AMS		845	29.78		1756	18.0					
GGNV	BZ	4460	29	EP		831	30.78	0.03							1.0
GGNV	BZ	4460	29	AMS		844	27.55		1918	20.9					

November 5 2014 Hour: 8:59 20.1 Lat: 36.08N Lon: 10.82W Depth: 31F Agency: IGL Regional  
Magnitudes: 2.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	237	54	EP		859	51.46	-0.12							1.0
MORF	HN	237	54	ES		9 0	14.67	0.12							1.0
MORF	HN	237	54	AML		9 0	15.91		66	0.2					

November 5 2014 Hour: 11:54 41.1 Lat: 37.22N Lon: 7.34W Depth: 17F Agency: IGL Regional  
Magnitudes: 2.3ML IGL Rms: 0.1 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	275	EP		1154	59.31	-0.06							1.0
MORF	HE	117	275	ES		1155	12.81	0.06							1.0
MORF	HN	117	275	AML		1155	14.70		55	0.3					

November 6 2014 Hour: 3:57 49.1 Lat: 37.23N Lon: 13.19W Depth: 0 Agency: IGL Regional  
Magnitudes: 2.7ML 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	403	87	EP		358	44.54	-0.06							1.0
MORF	HN	403	87	ES		359	25.19	0.06							1.0
MORF	HN	403	87	AML		359	28.04		20	0.2					

November 6 2014 Hour: 7:30 49.7 Lat: 36.46N Lon: 9.82W Depth: 29F 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	140	48	EP		731	10.05	0.05							1.0
MORF	HE	140	48	ES		731	24.79	-0.05							1.0
MORF	HN	140	48	AML		731	26.75		10	0.1					

November 6 2014 Hour: 17:36 54.9 Lat: 32.84N Lon: 13.12W Depth: 24F Agency: IGL Regional  
Magnitudes: 3.1ML IGL Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	642	38	EP		1738	16.96	-0.11							1.0
MORF	HN	642	38	ES		1739	17.19	0.11							1.0
MORF	HN	642	38	AML		1739	20.91		21	0.2					

**November 6 2014 Hour: 22:48 19.4 Lat: 38.21N Lon: 8.73W Depth: 7F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.0 secs**

**N MELIDES, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	101	176	EP		2248	35.66	0.05							1.0
MORF	HN	101	176	ES		2248	47.39	-0.05							1.0
MORF	HN	101	176	AML		2248	48.51			6	0.2				

**November 7 2014 Hour: 3:33 53.4 Lat: 6.04S Lon: 148.21E Depth: 43F Agency: IGL Distant**  
**Magnitudes: 6.5MS IGL Rms: 0.3 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
MORF	BZ15852	329	EP	KPdf		353	20.72	-0.10							1.0
MORF	BZ15852	329	EPP			356	29.07	0.38							1.0
MORF	BZ15852	329	AMS			525	34.34			7033	19.8				
GGNV	BZ15758	331	EP	KPdf		353	18.89	-0.35							1.0
GGNV	BZ15758	331	EPP			356	23.53	0.07							1.0
GGNV	BZ15758	331	AMS			5	0	33.38		9886	18.5				

**November 7 2014 Hour: 7:11 24.0 Lat: 64.60N Lon: 17.58W Depth: 8F Agency: IGL Distant**  
**Magnitudes: 5.6MB IGL Rms: 0.0 secs**

**ICELAND Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2931	165	EP		717	0.58	-0.01							1.0
GGNV	BZ	2931	165	AMb		717	4.89			259	1.4				
GGNV	BN	2931	165	ES		721	34.96	0.02							1.0
MORF	BZ	3092	165	EP		717	13.62	-0.07							1.0
MORF	BZ	3092	165	AMb		717	17.17			65	1.2				
MORF	BN	3092	165	ES		721	57.98	0.06							1.0

**November 7 2014 Hour: 12: 9 33.5 Lat: 36.84N Lon: 8.60W Depth: 22F Agency: IGL Regional**  
**Magnitudes: 2.7ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	52	355	EP		12	9	42.39	0.02						1.0
MORF	HE	52	355	ES		12	9	48.82	-0.02						1.0
MORF	HN	52	355	AML		12	9	50.43		429	0.2				

**November 7 2014 Hour: 13: 6 25.0 Lat: 37.43N Lon: 8.51W Depth: 17F 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	19	222	EP		13	6	29.08	0.04						1.0
MORF	HE	19	222	ES		13	6	31.95	-0.04						1.0
MORF	HN	19	222	AML		13	6	32.94		51	0.1				

**November 8 2014 Hour: 1:24 20.6 Lat: 38.44N Lon: 7.86W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.1 secs**

**SE EVORA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	144	209	EP		124	42.08	-0.10							1.0
MORF	HE	144	209	ES		124	58.04	0.10							1.0
MORF	HN	144	209	AML		125	1.59			36	0.2				

**November 8 2014 Hour: 14:46 3.8 Lat: 36.00N Lon: 14.12W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 3.0ML IGL Rms: 0.2 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	510	72	EP		1447	9.84	0.19							1.0
MORF	HE	510	72	ES		1447	57.53	-0.19							1.0
MORF	HN	510	72	AML		1447	59.75			27	0.1				

**November 9 2014 Hour: 0:39 43.1 Lat: 37.06N Lon: 7.83W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.1 secs**  
**NE OLHAO, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 78 291 EP 039 55.71 0.10 1.0  
 MORF HE 78 291 ES 040 4.66-0.10 1.0  
 MORF HE 78 291 AML 040 6.65 17 0.3

**November 9 2014 Hour: 11:20 14.0 Lat: 36.15N Lon: 8.36W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 131 349 EP 1120 34.19-0.07 1.0  
 MORF HE 131 349 ES 1120 49.12 0.07 1.0  
 MORF HN 131 349 AML 1120 50.94 41 0.2

**November 10 2014 Hour: 3:1 11.8 Lat: 37.34N Lon: 8.49W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.5ML 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 15 255 EP 3 1 14.60-0.16 1.0  
 MORF HE 15 255 ES 3 1 17.06 0.16 1.0  
 MORF HN 15 255 AML 3 1 17.85 154 0.2

**November 11 2014 Hour: 4:5 26.0 Lat: 37.16N Lon: 9.10W Depth: 28F 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 43 68 EP 4 5 34.07 0.12 1.0  
 MORF HE 43 68 ES 4 5 39.62-0.12 1.0  
 MORF HN 43 68 AML 4 5 40.13 10 0.1

**November 11 2014 Hour: 6:28 37.4 Lat: 37.32N Lon: 8.58W Depth: 19F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.0 secs**  
**NW MONCHIQUE, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 6 256 EP 628 40.59-0.02 1.0  
 MORF HN 6 256 ES 628 43.00 0.02 1.0  
 MORF HN 6 256 AML 628 43.87 13 0.1

**November 11 2014 Hour: 17:2 44.5 Lat: 36.23N Lon: 8.28W Depth: 1 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 124 345 EP 17 3 4.42-0.07 1.0  
 MORF HN 124 345 ES 17 3 19.16 0.07 1.0  
 MORF HE 124 345 AML 17 3 20.90 16 0.2

**November 11 2014 Hour: 21:41 51.2 Lat: 36.70N Lon: 9.69W Depth: 21F 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 114 54 EP 2142 8.81-0.09 1.0  
 MORF HN 114 54 ES 2142 21.91 0.09 1.0  
 MORF HN 114 54 AML 2142 22.79 11 0.2

**November 11 2014 Hour: 22:25 18.9 Lat: 36.52N Lon: 7.61W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 127 314 EP 2225 37.91-0.05 1.0

**November 13 2014 Hour: 10:24 18.5 Lat: 15.17S Lon: 173.05E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 6.0MS IGL 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	BN	17413	4	AMS		1150	24.18			2317	20.3				
MORF	BZ	17573	4	EPKpdf		1044	14.74	0.10							1.0
MORF	BZ	17573	4	AMS		1151	51.70			2272	18.8				
GGNV	BZ	17413	4	EPKpdf		1044	13.03	0.10							1.0

**November 13 2014 Hour: 12: 7 31.3 Lat: 38.13N Lon: 8.37W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.0 secs**

**SE GRANDOLA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	95	195	EP		12	7	46.63	0.05						1.0
MORF	HE	95	195	ES		12	7	57.69	0.05						1.0
MORF	HN	95	195	AML		12	7	59.24		25	0.1				

**November 13 2014 Hour: 13:14 51.1 Lat: 37.18N Lon: 8.76W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.1 secs**

**NW LAGOS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	17	35	EP		1314	55.35	0.10							1.0
MORF	HE	17	35	ES		1314	58.70	0.10							1.0
MORF	HN	17	35	AML		1314	59.23			56	0.2				

**November 14 2014 Hour: 1:21 31.5 Lat: 37.67N Lon: 12.76W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	365	95	EP		122	19.04	0.13							1.0
MORF	HE	365	95	ES		122	53.40	0.13							1.0
MORF	HN	365	95	AML		122	58.90			7	0.2				

**November 14 2014 Hour: 5:56 58.9 Lat: 36.88N Lon: 8.27W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 3.1ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	58	325	EP		557	8.79	0.09							1.0
MORF	HN	58	325	ES		557	15.76	0.09							1.0
MORF	HN	58	325	AML		557	17.39			1011	0.2				

**November 14 2014 Hour: 11:25 50.7 Lat: 64.53N Lon: 17.23W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.0MS IGL Rms: 0.1 secs**

**ICELAND Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BN	2919	166	ES		1135	59.44	0.03							1.0
GGNV	BZ	2919	166	AMS		1140	43.49			4250	20.4				
MORF	BZ	3080	165	EP		1131	38.98	0.11							1.0
MORF	BN	3080	165	ES		1136	22.45	0.07							1.0
MORF	BZ	3080	165	AMS		1141	37.31			4501	20.8				

**November 15 2014 Hour: 0:18 40.8 Lat: 12.66S Lon: 76.75W Depth: 46F Agency: IGL Distant**  
**Magnitudes: 5.6MB IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8999	49	EP		030	50.19	0.09							1.0
MORF	BZ	8999	49	AMb		030	57.09			153	1.7				

**November 15 2014 Hour: 2:31 41.1 Lat: 1.93N Lon: 126.55E Depth: 35F Agency: IGL Distant**  
**Magnitudes: 6.7MS IGL Rms: 0.1 secs**

**MOLUCCA SEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ13697	318	EPKpdf			250	33.69	0.11							1.0
MORF	BN13697	318	ESS			3 8	56.42	-0.11							1.0
MORF	BZ13697	318	AMS			352	2.53			25198	27.9				

**November 15 2014 Hour: 3: 8 4.5 Lat: 0.14S Lon: 123.91E Depth: 85F Agency: IGL Distant**  
**Magnitudes: 6.7MS IGL Rms: 0.2 secs**

**SULAWESI, INDONESIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ13663	316	EPKpdf			326	50.10	-0.15							1.0

**November 15 2014 Hour: 7:23 29.1 Lat: 37.34N Lon: 8.52W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 3.2ML 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	12	252	EP		723	32.67	0.04							1.0
MORF	HE	12	252	ES		723	35.16	-0.04							1.0
MORF	HN	12	252	AML		723	35.66			6208	0.2				

**November 15 2014 Hour: 16:20 8.1 Lat: 37.32N Lon: 8.57W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.1 secs**

**NW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	258	EP		1620	10.22	-0.08							1.0
MORF	HE	7	258	ES		1620	11.99	0.08							1.0
MORF	HN	7	258	AML		1620	12.92			47	0.2				

**November 16 2014 Hour: 19:39 50.9 Lat: 36.47N Lon: 9.83W Depth: 31F 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	140	48	EP		1940	10.28	-0.13							1.0
MORF	HN	140	48	ES		1940	24.76	0.13							1.0
MORF	HN	140	48	AML		1940	25.92			3	0.1				

**November 16 2014 Hour: 22:33 21.1 Lat: 37.68S Lon: 179.68E Depth: 22F Agency: IGL Distant**  
**Magnitudes: 7.2MS IGL Rms: 0.1 secs**

**OFF EAST COAST OF NORTH ISLAND, NEW ZEALAND Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BE19230	79	ESS			2320	0.06	0.04							1.0
MORF	BZ19274	91	EPKpdf			2253	28.04	-0.16							1.0
MORF	BZ19274	91	EPP			2258	48.85	0.13							1.0
MORF	BE19274	91	ESS			2320	4.03	0.05							1.0
MORF	BZ19274	91	AMS			2419	8.05			18451	20.3				
GGNV	BZ19230	79	EPKpdf			2253	27.81	-0.14							1.0
GGNV	BZ19230	79	EPP			2258	46.78	0.07							1.0
GGNV	BZ19230	79	AMS			2411	20.96			27404	10.8				

**November 17 2014 Hour: 1: 6 0.9 Lat: 9.55S Lon: 155.15E Depth: 25F Agency: IGL Distant**  
**Magnitudes: 5.8MS IGL Rms: 0.1 secs**

**D'ENTRECASTEAUX ISLANDS REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16444	337	EPKpdf			125	39.92	0.09							1.0
GGNV	BN16444	337	AMS			235	7.79			1872	21.9				
MORF	BZ16555	335	EPKpdf			125	41.46	-0.09							1.0
MORF	BN16555	335	AMS			234	4.10			1439	21.8				



November 17 2014 Hour: 4:15 22.9 Lat: 36.95N Lon: 10.40W Depth: 25F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	160	75	EP		415	45.88	0.13							1.0
MORF	HN	160	75	ES		416	3.01	0.13							1.0
MORF	HN	160	75	AML		416	4.17			5	0.1				

November 17 2014 Hour: 4:34 13.2 Lat: 20.70N Lon: 94.39E Depth: 72F Agency: IGL Distant  
Rms: 0.0 secs

MYANMAR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9737	309	EP		446	53.26	0.00							1.0

November 17 2014 Hour: 16:52 47.0 Lat: 46.36S Lon: 33.77E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.0MS IGL Rms: 0.1 secs

PRINCE EDWARD ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10177	327	EP			17 5	53.53	0.09							1.0
MORF	BZ10177	327	EPP			17 9	31.90	0.09							1.0
MORF	BN10177	327	ESS			1723	2.21	0.11							1.0
MORF	BZ10177	327	AMS			1744	48.90			4681	17.5				
GGNV	BZ10336	328	EPP			17 9	43.13	0.03							1.0
GGNV	BE10336	328	ESS			1723	22.39	0.08							1.0
GGNV	BN10336	328	AMS			1750	37.49			5158	17.0				

November 17 2014 Hour: 23: 5 54.1 Lat: 38.66N Lon: 23.41E Depth: 1F Agency: IGL Distant  
Magnitudes: 5.7MB IGL Rms: 0.1 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	2806	277	EP		2311	21.56	0.09							1.0
MORF	BZ	2806	277	AMb		2311	25.11			195	1.9				
MORF	BN	2806	277	ES		2315	49.39	0.09							1.0
GGNV	BZ	2818	280	EP		2311	22.49	0.01							1.0
GGNV	BZ	2818	280	AMb		2311	25.54			380	1.5				

November 17 2014 Hour: 23: 9 1.5 Lat: 38.65N Lon: 23.43E Depth: 1F Agency: IGL Distant  
Magnitudes: 5.7MB IGL Rms: 0.1 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	2808	277	EP		2314	29.13	0.09							1.0
MORF	BZ	2808	277	AMb		2314	32.47			127	1.4				
MORF	BN	2808	277	ES		2318	57.01	0.03							1.0
GGNV	BZ	2820	280	EP		2314	30.14	0.06							1.0
GGNV	BZ	2820	280	AMb		2314	33.16			378	1.4				

November 18 2014 Hour: 4:47 20.1 Lat: 1.85N Lon: 126.50E Depth: 65F Agency: IGL Distant  
Magnitudes: 5.3MS IGL Rms: 0.0 secs

MOLUCCA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ13700	318	EPKpdf			5 6	8.99	0.01							1.0
MORF	BN13700	318	AMS			6 5	57.16			807	22.0				

November 18 2014 Hour: 15:34 11.2 Lat: 39.38N Lon: 11.22W Depth: 31F Agency: IGL Regional  
Magnitudes: 2.3ML IGL Rms: 0.5 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	322	135	EP		1534	53.69	0.47							1.0
MORF	HE	322	135	ES		1535	23.40	0.47							1.0
MORF	HN	322	135	AML		1535	24.46			11	0.2				

**November 18 2014 Hour: 17:26 54.7 Lat: 36.69N Lon: 9.66W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	52	EP		1727	12.51	0.00							1.0
MORF	HN	113	52	ES		1727	25.52	0.00							1.0
MORF	HN	113	52	AML		1727	26.33			8	0.1				

**November 19 2014 Hour: 18:31 23.4 Lat: 36.62N Lon: 11.99W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	307	75	EP		1832	6.06	0.02							1.0
MORF	HE	307	75	ES		1832	37.12	-0.02							1.0
MORF	HN	307	75	AML		1832	40.27				11				

**November 20 2014 Hour: 17:55 17.0 Lat: 37.16N Lon: 7.25W Depth: 4F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.0 secs**  
**SPAIN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	278	EP		1755	37.06	-0.05							1.0
MORF	HE	125	278	ES		1755	51.85	0.05							1.0
MORF	HE	125	278	AML		1755	54.97				9	0.0			

**November 20 2014 Hour: 18:14 37.1 Lat: 23.52N Lon: 93.52E Depth: 48F Agency: IGL Distant**  
**Magnitudes: 5.9MB IGL Rms: 0.0 secs**  
**MYANMAR-INDIA BORDER REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9470	309	EP		1827	8.30	0.05							1.0
MORF	BZ	9470	309	AMB		1827	12.57				219	1.3			

**November 21 2014 Hour: 6:37 40.7 Lat: 36.17N Lon: 8.57W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 2.4ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	357	EP		637	59.28	0.02							1.0
MORF	HN	126	357	ES		638	12.78	-0.02							1.0
MORF	HN	126	357	AML		638	14.11				64	0.2			

**November 21 2014 Hour: 10:10 19.7 Lat: 2.28N Lon: 127.06E Depth: 38F Agency: IGL Distant**  
**Magnitudes: 6.3MS IGL Rms: 0.1 secs**  
**MOLUCCA SEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13655	320	EPP			1030	48.89	0.11							1.0
GGNV	BE13655	320	AMS			1123	45.60			5858	20.9				
MORF	BZ13706	318	EPKpdf			1029	11.91	-0.07							1.0
MORF	BZ13706	318	EPP			1030	51.97	-0.04							1.0
MORF	BZ13706	318	AMS			1129	12.43			6735	18.9				

**November 22 2014 Hour: 6:16 4.2 Lat: 37.32N Lon: 8.57W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.0 secs**  
**NW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	258	EP		616	7.07	-0.02							1.0
MORF	HE	7	258	ES		616	9.22	0.02							1.0
MORF	HN	7	258	AML		616	9.75				31	0.2			

November 22 2014 Hour: 8:55 27.2 Lat: 30.34N Lon: 101.72E Depth: 15F Agency: IGL Distant  
Magnitudes: 6.2MS IGL Rms: 0.0 secs

WESTERN SICHUAN, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9550	313	EP		9 8	6.49	0.04							1.0
GGNV	BE	9550	313	AMS		949	58.75		9801	20.7					
MORF	BZ	9606	311	EP		9 8	9.01	-0.04							1.0
MORF	BN	9606	311	AMS		945	56.73		7788	16.6					

November 22 2014 Hour: 13: 8 18.5 Lat: 36.64N Lon: 137.91E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.6MS IGL Rms: 0.1 secs

EASTERN HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11018	334	EPdif			1321	59.61	0.05							1.0
GGNV	BZ11018	334	EPP			1326	1.82	0.05							1.0
GGNV	BE11018	334	AMS			14 4	41.99		27147	26.3					
MORF	BZ11138	333	EPdif			1322	4.48	0.02							1.0
MORF	BZ11138	333	EPP			1326	10.07	-0.03							1.0
MORF	BN11138	333	ESKSac			1332	43.28	-0.09							1.0
MORF	BZ11138	333	AMS			14 7	57.99		18906	19.5					

November 22 2014 Hour: 17:13 55.9 Lat: 35.84N Lon: 7.45W Depth: 30F Agency: IGL Regional  
Magnitudes: 1.6ML 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	195	327	EP		1714	22.79	-0.20							1.0
MORF	HN	195	327	ES		1714	42.95	0.20							1.0
MORF	HN	195	327	AML		1714	46.39		5	0.3					

November 22 2014 Hour: 19:14 15.8 Lat: 45.87N Lon: 27.16E Depth: 39F Agency: IGL Distant  
Magnitudes: 5.0MS IGL Rms: 0.2 secs

ROMANIA Met: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	3069	268	EP		1919	59.20	-0.17							1.0
GGNV	BE	3069	268	AMS		1933	56.70		3836	19.5					
MORF	BZ	3103	265	EP		1920	2.43	0.17							1.0
MORF	BE	3103	265	AMS		1933	48.64		3595	18.1					

November 22 2014 Hour: 21:41 38.5 Lat: 37.87N Lon: 8.78W Depth: 7F Agency: IGL Regional  
Magnitudes: 1.9ML IGL Rms: 0.1 secs

SE SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	64	170	EP		2141	48.86	0.06							1.0
MORF	HN	64	170	ES		2141	56.27	-0.06							1.0
MORF	HN	64	170	AML		2141	56.71		61	0.3					

November 23 2014 Hour: 13: 8 48.6 Lat: 36.51N Lon: 7.60W Depth: 22F Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	314	EP		13 9	7.95	-0.03							1.0
MORF	HN	129	314	ES		13 9	22.17	0.03							1.0
MORF	HE	129	314	AML		13 9	23.57		5	0.3					

November 24 2014 Hour: 6: 9 43.3 Lat: 40.87N Lon: 8.41W Depth: 12F Agency: IGL Regional  
Magnitudes: 2.5ML IGL Rms: 0.0 secs

VALE DE CAMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	396	183	EP		610	36.73	-0.02							1.0
MORF	HN	396	183	ES		611	15.81	0.02							1.0
MORF	HN	396	183	AML		611	19.40		13	0.2					

**November 24 2014 Hour: 9:3 29.9 Lat: 64.85N Lon: 17.55W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.0MS IGL Rms: 0.1 secs**

**ICELAND Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2957	165	EP		9 9	8.16	-0.08							1.0
GGNV	BE	2957	165	ES		913	44.06	0.09							1.0
GGNV	BZ	2957	165	AMS		918	26.89		4712	25.5					
MORF	BZ	3118	165	EP		9 9	21.22	-0.09							1.0
MORF	BN	3118	165	ES		914	7.00	0.07							1.0
MORF	BZ	3118	165	AMS		919	0.12		4372	22.0					

**November 24 2014 Hour: 12:31 39.6 Lat: 37.32N Lon: 8.66W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.1 secs**

**W MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	2	152	EP		1231	42.13	-0.09							1.0
MORF	HN	2	152	ES		1231	44.24	0.09							1.0
MORF	HN	2	152	AML		1231	44.69		65	0.1					

**November 24 2014 Hour: 13:58 39.4 Lat: 36.72N Lon: 9.68W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	54	EP		1358	56.77	-0.04							1.0
MORF	HN	112	54	ES		1359	9.58	0.04							1.0
MORF	HE	112	54	AML		1359	11.00		3	0.1					

**November 25 2014 Hour: 15:19 9.3 Lat: 30.18N Lon: 101.74E Depth: 9F Agency: IGL Distant**  
**Magnitudes: 5.5MS IGL Rms: 0.0 secs**

**WESTERN SICHUAN, CHINA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9620	312	EP		1531	52.75	-0.04							1.0
MORF	BN	9620	312	AMS		16 9	41.39		2104	21.1					

**November 26 2014 Hour: 0:14 7.0 Lat: 36.52N Lon: 9.74W Depth: 17F 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	131	48	EP		014	26.90	-0.09							1.0
MORF	HN	131	48	ES		014	41.72	0.09							1.0
MORF	HN	131	48	AML		014	42.64		5	0.1					

**November 26 2014 Hour: 1:26 23.8 Lat: 6.23S Lon: 71.84W Depth: 562F Agency: IGL Distant**  
**Magnitudes: 4.8MB IGL Rms: 0.1 secs**

**AMAZONAS, BRAZIL Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8125	48	EP		136	56.97	-0.07							1.0
MORF	BZ	8125	48	AMB		137	0.39		141	1.9					

**November 26 2014 Hour: 14:33 43.9 Lat: 1.98N Lon: 126.55E Depth: 41F Agency: IGL Distant**  
**Magnitudes: 6.5MS IGL Rms: 0.1 secs**

**MOLUCCA SEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13644	320	EPKpdf			1452	34.68	0.04							1.0
GGNV	BZ13644	320	EPP			1454	11.84	-0.14							1.0
GGNV	BZ13644	320	E			1454	24.40				62	6	6.9		
GGNV	BE13644	320	ESKSac			1459	31.25	0.07							1.0
GGNV	BN13644	320	AMS			1551	52.00		13362	25.8					
MORF	BZ13693	318	EPP			1454	15.00	-0.09							1.0
MORF	BN13693	318	ESKSac			1459	32.90	0.10							1.0
MORF	BZ13693	318	AMS			1552	38.97		13734	29.6					

**November 26 2014 Hour: 20:22 12.9 Lat: 35.88N Lon: 7.53W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 2.4ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	187	328	EP		2022	39.06	0.05							1.0
MORF	HN	187	328	ES		2022	58.03	-0.05							1.0
MORF	HN	187	328	AML		2023	0.45			32	0.1				

**November 26 2014 Hour: 23:10 0.8 Lat: 37.02N Lon: 4.03W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 3.0ML IGL Rms: 0.0 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	411	276	EP		2310	57.21	0.01							1.0
MORF	HN	411	276	ES		2311	38.39	-0.01							1.0
MORF	HN	411	276	AML		2311	44.36			35	0.5				

**November 27 2014 Hour: 9:14 26.1 Lat: 36.51N Lon: 6.22W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 2.8ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	234	293	EP		914	57.95	-0.06							1.0
MORF	HN	234	293	ES		915	21.36	0.06							1.0
MORF	HN	234	293	AML		915	23.28			55	0.2				

**November 27 2014 Hour: 13:48 35.4 Lat: 37.33N Lon: 8.55W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.1 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	254	EP		1348	38.05	-0.15							1.0
MORF	HE	9	254	ES		1348	40.36	0.15							1.0
MORF	HN	9	254	AML		1348	41.26			47	0.1				

**November 27 2014 Hour: 14:37 10.1 Lat: 36.74N Lon: 9.69W Depth: 32F 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	112	55	EP		1437	26.69	-0.07							1.0
MORF	HN	112	55	ES		1437	38.99	0.07							1.0
MORF	HN	112	55	AML		1437	39.59			9	0.2				

**November 27 2014 Hour: 16:59 14.7 Lat: 36.58N Lon: 7.64W Depth: 26F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	312	EP		1659	32.77	-0.04							1.0
MORF	HE	121	312	ES		1659	46.07	0.04							1.0
MORF	HE	121	312	AML		1659	48.76			2	0.1				

**November 28 2014 Hour: 3:51 44.5 Lat: 37.02N Lon: 6.13W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 0.0ML IGL Rms: 0.0 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	226	279	EP		352	16.03	-0.04							1.0

**November 28 2014 Hour: 4:53 22.3 Lat: 36.42N Lon: 10.81W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.2 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	216	62	EP		453	54.46	-0.17							1.0
MORF	HE	216	62	ES		454	18.42	0.17							1.0
MORF	HN	216	62	AML		454	20.57			6	0.2				

November 28 2014 Hour: 5:38 51.9 Lat: 38.33N Lon: 9.57W Depth: 14F Agency: IGL Regional  
Magnitudes: 2.7ML IGL Rms: 0.1 secs

SW CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	57	40	EP		539	1.28	0.17							1.0
GGNV	HN	57	40	ES		539	7.82	-0.03							1.0
GGNV	HN	57	40	AML		539	9.52		1033	0.2					
MORF	HZ	139	144	EP		539	13.06	-0.23							1.0
MORF	HE	139	144	ES		539	29.01	0.08							1.0
MORF	HN	139	144	AML		539	31.98		51	0.1					

November 28 2014 Hour: 9:12 50.3 Lat: 36.82N Lon: 8.66W Depth: 8F 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	54	1	EP		912	58.98	-0.10							1.0
MORF	HE	54	1	ES		913	5.62	0.10							1.0
MORF	HN	54	1	AML		913	7.51		6	0.2					

November 29 2014 Hour: 8:31 48.3 Lat: 37.02N Lon: 8.83W Depth: 20F Agency: IGL Regional  
Magnitudes: 1.0ML 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	27	EP		831	54.73	-0.03							1.0
MORF	HN	36	27	ES		831	59.51	0.03							1.0
MORF	HN	36	27	AML		832	0.50		14	0.1					

November 29 2014 Hour: 10:56 16.9 Lat: 36.72N Lon: 6.90W Depth: 32F Agency: IGL Regional  
Magnitudes: 2.6ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	169	293	EP		1056	40.61	0.00							1.0
MORF	HN	169	293	ES		1056	57.96	0.00							1.0
MORF	HN	169	293	AML		1057	0.20		62	0.4					

November 29 2014 Hour: 20:36 39.1 Lat: 38.13N Lon: 9.20W Depth: 28F Agency: IGL Regional  
Magnitudes: 3.0ML IGL Rms: 0.1 secs

NW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	65	4	EP		2036	50.05	0.12							1.0
GGNV	HE	65	4	ES		2036	57.82	-0.03							1.0
GGNV	HN	65	4	AML		2036	59.58		607	0.2					
MORF	HZ	103	152	EP		2036	54.73	-0.19							1.0
MORF	HE	103	152	ES		2037	6.56	0.09							1.0
MORF	HE	103	152	AML		2037	8.13		272	0.1					

November 30 2014 Hour: 4:1 43.2 Lat: 36.68N Lon: 11.14W Depth: 23F 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	232	72	EP		4 2	15.62	0.04							1.0
MORF	HE	232	72	ES		4 2	39.20	-0.04							1.0
MORF	HE	232	72	AML		4 2	41.03		9	0.1					

December 1 2014 Hour: 0:23 52.5 Lat: 33.44N Lon: 3.86W Depth: 10F 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	611	316	EP		025	12.48	0.13							1.0
MESJ	HN	628	322	ES		026	13.92	-0.12							1.0
MESJ	HN	628	322	AML		026	17.47		5	0.5					
MESJ	HZ	628	322	EP		025	14.32	-0.02							1.0

**December 1 2014 Hour: 3:23 31.1 Lat: 37.05N Lon: 8.38W Depth: 12F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.1 secs**

**SE LAGOA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	37	320	EP		323	37.29	-0.14							1.0
MORF	HN	37	320	ES		323	41.97	-0.08							1.0
MORF	HE	37	320	AML		323	42.97			45	0.2				
MESJ	HZ	89	9	EP		323	45.42	0.21							1.0
MESJ	HN	89	9	ES		323	55.55	0.02							1.0
MESJ	HN	89	9	AML		323	57.03			9	0.2				

**December 1 2014 Hour: 4:24 41.3 Lat: 36.61N Lon: 9.76W Depth: 30F Agency: IGL Regional  
Magnitudes: 1.9ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	52	EP		424	59.81	0.05							1.0
MORF	HN	125	52	ES		425	13.16	-0.05							1.0
MORF	HN	125	52	AML		425	14.17			23	0.2				
MESJ	HZ	193	45	EP		425	8.09	-0.05							1.0
MESJ	HN	193	45	ES		425	27.75	0.05							1.0
MESJ	HE	193	45	AML		425	30.41			9	0.1				

**December 1 2014 Hour: 5:44 42.6 Lat: 36.88N Lon: 8.58W Depth: 28F 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	48	352	EP		544	51.02	-0.08							1.0
MORF	HE	48	352	ES		544	57.35	0.03							1.0
MORF	HE	48	352	AML		544	58.03			59	0.3				
MESJ	HN	111	17	ES		545	11.60	0.05							1.0
MESJ	HN	111	17	AML		545	12.62			15	0.3				

**December 1 2014 Hour: 9:16 18.6 Lat: 36.89N Lon: 8.53W 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	47	347	EP		916	26.46	0.00							1.0
MORF	HN	47	347	ES		916	32.12	-0.09							1.0
MORF	HE	47	347	AML		916	33.17			24	0.2				
MESJ	HZ	109	15	EP		916	35.86	0.04							1.0
MESJ	HN	109	15	ES		916	48.45	0.05							1.0
MESJ	HN	109	15	AML		916	50.52			18	0.1				

**December 1 2014 Hour: 9:54 54.6 Lat: 36.87N Lon: 8.58W Depth: 25F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	49	353	EP		955	3.11	-0.02							1.0
MORF	HE	49	353	ES		955	9.44	0.07							1.0
MORF	HE	49	353	AML		955	10.23			11	0.3				
MESJ	HN	112	16	ES		955	24.10	-0.05							1.0
MESJ	HE	112	16	AML		955	24.71			2	0.2				

**December 1 2014 Hour: 12:52 36.4 Lat: 64.53N Lon: 17.54W Depth: 10F Agency: IGL Distant  
Magnitudes: 4.8MS IGL Rms: 0.1 secs**

**ICELAND Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BN	2922	165	ES		13 2	45.60	-0.04							1.0
GGNV	BZ	2922	165	AMS		13 7	28.78			3122	21.9				
MESJ	BZ	3030	164	EP		1258	20.97	0.16							1.0
MESJ	BN	3030	164	ES		13 3	0.96	-0.09							1.0
MESJ	BZ	3030	164	AMS		13 8	2.86			2952	19.2				
MORF	BZ	3083	165	EP		1258	25.16	0.04							1.0

MORF BN 3083 165 ES 13 3 8.57-0.06 1.0  
MORF BZ 3083 165 AMS 13 8 23.08 3024 22.9

**December 1 2014 Hour: 18:28 51.4 Lat: 36.70N Lon: 10.58W Depth: 32F Agency: IGL Regional  
Magnitudes: 2.2ML IGL Rms: 0.0 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	184	68	EP		1829	17.11	0.04							1.0
MORF	HN	184	68	ES		1829	35.83	0.01							1.0
MORF	HN	184	68	AML		1829	37.94		44	0.4					
MESJ	HZ	245	58	EP		1829	24.50	-0.01							1.0
MESJ	HE	245	58	ES		1829	48.64	-0.05							1.0
MESJ	HN	245	58	AML		1829	49.27		6	0.2					

**December 2 2014 Hour: 1:36 52.7 Lat: 39.16N Lon: 9.07W Depth: 1F Agency: IGL Regional  
Magnitudes: 1.5ML IGL Rms: 0.1 secs**

**SE CADAVAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	164	153	EP		137	18.43	-0.07							1.0
MESJ	HN	164	153	ES		137	37.38	0.07							1.0
MESJ	HN	164	153	AML		137	38.78		6	0.2					

**December 2 2014 Hour: 5:11 31.5 Lat: 6.14N Lon: 123.17E Depth:618F Agency: IGL Distant  
Rms: 0.1 secs**

**MORO GULF, MINDANAO, PHILIPPINES Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	13036	318	EPKpdf		529	7.37	0.03							1.0
MESJ	BZ	13036	318	EPP		530	28.98	-0.02							1.0
GGNV	BZ	13050	319	EPP		530	29.85	0.03							1.0
MORF	BZ	13100	318	EPKpdf		529	8.60	0.10							1.0
MORF	BZ	13100	318	EPP		530	32.85	-0.14							1.0

**December 2 2014 Hour: 13: 6 7.0 Lat: 36.78N Lon: 10.91W Depth: 10F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	209	73	EP		13 6	37.38	-0.05							1.0
MORF	HE	209	73	ES		13 6	59.73	0.05							1.0
MORF	HE	209	73	AML		13 7	1.31		3	0.2					

**December 2 2014 Hour: 20: 6 36.9 Lat: 35.00N Lon: 4.39W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs**

**MOROCCO Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	467	314	EP		20 7	40.22	-0.01							1.0

**December 3 2014 Hour: 1:58 49.0 Lat: 36.70N Lon: 9.43W Depth: 29F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.2 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	97	46	EP		159	4.05	0.15							1.0
MORF	HN	97	46	ES		159	14.63	-0.15							1.0
MORF	HE	97	46	AML		159	16.20		1	0.1					

**December 3 2014 Hour: 12:59 29.8 Lat: 2.07S Lon: 76.72W Depth:161F Agency: IGL Distant  
Magnitudes: 5.0MB IGL Rms: 0.1 secs**

**PERU-ECUADOR BORDER REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8235	50	EP		1310	47.65	-0.11							1.0
MORF	BZ	8235	50	AMb		1310	50.10		99	1.4					
MESJ	BZ	8287	50	EP		1310	50.53	0.11							1.0
MESJ	BZ	8287	50	AMb		1310	57.91		44	2.0					



**December 3 2014 Hour: 17:12 41.9 Lat: 37.08N Lon: 7.91W Depth: 17F Agency: IGL Regional  
Magnitudes: 0.8ML IGL Rms: 0.1 secs**

**SW S.BRAS DE ALPORTEL, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	70	291	EP		1712	53.36	0.02							1.0
MORF	HE	70	291	ES		1713	1.59	-0.08							1.0
MORF	HN	70	291	AML		1713	2.79			3	0.2				
MESJ	HZ	89	342	EP		1712	56.03	-0.04							1.0
MESJ	HE	89	342	ES		1713	6.48	0.09							1.0
MESJ	HN	89	342	AML		1713	7.45			3	0.3				

**December 3 2014 Hour: 21:27 39.2 Lat: 37.31N Lon: 7.91W Depth: 6F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs**

**N S. BRAS DE ALPORTEL, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	65	335	EP		2127	49.75	0.05							1.0
MORF	HZ	66	270	EP		2127	49.73	-0.11							1.0
MORF	HN	66	270	ES		2127	57.68	0.07							1.0
MORF	HN	66	270	AML		2128	0.62			11	0.2				

**December 4 2014 Hour: 7:22 32.6 Lat: 36.28N Lon: 8.67W Depth: 15F Agency: IGL Regional  
Magnitudes: 2.1ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	114	1	EP		722	50.46	-0.09							1.0
MORF	HE	114	1	ES		723	3.66	0.00							1.0
MORF	HE	114	1	AML		723	7.90			38	0.2				
MESJ	HZ	178	13	EP		722	58.73	0.10							1.0

**December 4 2014 Hour: 15:54 9.6 Lat: 36.57N Lon: 9.75W Depth: 18F 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	128	50	EP		1554	29.05	-0.09							1.0
MORF	HN	128	50	ES		1554	43.55	0.12							1.0
MORF	HN	128	50	AML		1554	45.01			15	0.2				
MESJ	HZ	196	43	EP		1554	37.54	-0.03							1.0
MESJ	HN	196	43	ES		1554	58.03	0.00							1.0
MESJ	HN	196	43	AML		1555	0.05			5	0.1				

**December 5 2014 Hour: 6:10 57.1 Lat: 31.46N Lon: 6.82W Depth: 31F Agency: IGL Regional  
Rms: 0.1 secs**

**MOROCCO Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	670	346	EP		612	21.44	0.07							1.0

**December 5 2014 Hour: 7:56 23.2 Lat: 35.34N Lon: 4.35W Depth: 42F Agency: IGL Regional  
Magnitudes: 2.6ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HN	443	310	ES		758	2.65	0.20							1.0
MESJ	HN	443	310	AML		758	5.92			14	0.2				
MORF	HZ	443	301	EP		757	20.54	-0.08							1.0
MESJ	HZ	443	310	EP		757	20.64	0.05							1.0
MORF	HE	443	301	ES		758	2.33	-0.17							1.0
MORF	HN	443	301	AML		758	5.68			11	0.2				

December 5 2014 Hour: 10:43 56.4

Agency: IGL Distant

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ			EP		11	5	36.58							
MESJ	BZ			EP		11	5	34.44							

December 5 2014 Hour: 15:2 1.3 Lat: 37.29N Lon: 8.58W Depth: 11F Agency: IGL Regional  
Magnitudes: 0.1ML IGL Rms: 0.0 secs

SW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	286	EP		15	2	3.38	-0.04						1.0
MORF	HN	7	286	ES		15	2	5.02	0.04						1.0
MORF	HN	7	286	AML		15	2	5.56		9	0.1				

December 5 2014 Hour: 16:12 51.7 Lat: 37.25N Lon: 71.65E Depth: 120F Agency: IGL Distant  
Magnitudes: 4.5MB IGL Rms: 0.0 secs

TAJIKISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6823	297	EP		1622	54.96	0.05							1.0
MESJ	BZ	6823	297	AMb		1622	59.38			20	1.3				

December 5 2014 Hour: 21:5 28.6 Lat: 37.92N Lon: 9.08W Depth: 3F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.2 secs

W SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	76	96	EP		21	5	41.16	0.23						1.0
MESJ	HN	76	96	ES		21	5	49.67	-0.24						1.0
MESJ	HN	76	96	AML		21	5	53.55		4	0.2				
MORF	HZ	78	151	EP		21	5	41.09	-0.12						1.0
MORF	HN	78	151	ES		21	5	50.53	0.13						1.0
MORF	HN	78	151	AML		21	5	51.12		2	0.1				

December 5 2014 Hour: 21:5 0.8 Lat: 64.60N Lon: 17.18W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.0MS IGL Rms: 0.1 secs

ICELAND Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2925	166	EP		2110	36.47	-0.15							1.0
GGNV	BN	2925	166	ES		2115	10.58	0.14							1.0
GGNV	BZ	2925	166	AMS		2119	52.72			4231	19.5				
MESJ	BZ	3033	164	EP		2110	45.32	-0.06							1.0
MESJ	BN	3033	164	ES		2115	25.91	0.12							1.0
MESJ	BZ	3033	164	AMS		2120	26.31			4126	21.2				
MORF	BZ	3086	165	EP		2110	49.63	-0.08							1.0
MORF	BN	3086	165	ES		2115	33.43	0.03							1.0
MORF	BZ	3086	165	AMS		2120	46.10			4329	20.6				

December 6 2014 Hour: 1:45 6.9 Lat: 38.94N Lon: 26.22E Depth: 1F Agency: IGL Distant  
Magnitudes: 5.3MB IGL Rms: 0.0 secs

NEAR THE COAST OF WESTERN TURKEY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2994	279	EP		150	49.70	0.00							1.0
MESJ	BZ	2994	279	AMb		150	51.52			74	2.2				
MORF	BZ	3044	278	EP		150	53.85	-0.02							1.0
MORF	BZ	3044	278	AMb		150	58.70			90	1.9				
GGNV	BZ	3052	281	EP		150	54.41	0.02							1.0

December 6 2014 Hour: 3:30 2.4 Lat: 37.07N Lon: 8.86W Depth: 19F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.2 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	32	35	EP		330	8.15	-0.21							1.0
MORF	HN	32	35	ES		330	12.69	0.01							1.0
MORF	HE	32	35	AML		330	13.55			4	0.1				
MESJ	HN	102	33	ES		330	30.72	0.21							1.0

MESJ HN 102 33 AML 330 31.18 3 0.2

**December 6 2014 Hour: 6:20 54.7 Lat: 38.90N Lon: 26.23E Depth: 14F Agency: IGL Distant  
Magnitudes: 5.2MB IGL Rms: 0.0 secs**

**NEAR THE COAST OF WESTERN TURKEY Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2995	279	EP		626	35.64	0.01							1.0
MESJ	BZ	2995	279	AMb		626	39.96			52	1.4				

**December 6 2014 Hour: 9:57 6.6 Lat: 36.69N Lon: 13.19W Depth: 30F 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	410	79	EP		958	0.41	0.09							1.0
MORF	HN	410	79	ES		958	39.44	-0.10							1.0
MORF	HN	410	79	AML		958	43.07			12	0.3				
MESJ	HZ	459	72	EP		958	6.38	0.14							1.0
MESJ	HN	459	72	ES		958	49.66	-0.13							1.0
MESJ	HN	459	72	AML		958	54.91			5	0.2				

**December 6 2014 Hour: 17:21 48.9 Lat: 8.01N Lon: 82.70W Depth: 14F Agency: IGL Distant  
Magnitudes: 5.5MS 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
GGNV	BZ	8037	52	EP		1733	13.64	-0.02							1.0
GGNV	BE	8037	52	AMS		18 2	35.46			2729	18.4				
MESJ	BZ	8113	53	EP		1733	17.74	0.02							1.0
MESJ	BZ	8113	53	AMS		1759	0.54			2392	20.1				

**December 6 2014 Hour: 22: 5 11.0 Lat: 6.12S Lon: 130.48E Depth: 117FAgency: IGL Distant  
Rms: 0.1 secs**

**BANDA SEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14583	316	EPP			2226	26.74	-0.07							1.0
GGNV	BZ14604	318	EPP			2226	28.07	0.07							1.0

**December 7 2014 Hour: 1:22 0.7 Lat: 6.54S Lon: 154.46E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.7MS IGL Rms: 0.1 secs**

**BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16107	338	EPKpdf			141	37.12	0.08							1.0
GGNV	BZ16107	338	AMS			251	37.33			13770	25.0				
MESJ	BZ16151	336	EPKpdf			141	37.66	-0.08							1.0
MESJ	BZ16151	336	AMS			254	23.02			11309	17.0				

**December 7 2014 Hour: 3:30 2.0 Lat: 6.41S Lon: 154.23E Depth: 10F Agency: IGL Distant  
Rms: 0.1 secs**

**BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16127	335	EPKpdf			349	38.74	0.06							1.0

**December 7 2014 Hour: 10:55 37.4 Lat: 36.78N Lon: 8.93W Depth: 30F Agency: IGL Regional  
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	133	28	EP		1055	56.88	0.07							1.0

**December 7 2014 Hour: 12:11 33.3 Lat: 13.76N Lon: 91.42W Depth: 43F Agency: IGL Distant  
Magnitudes: 5.5MS IGL Rms: 0.1 secs**

**OFFSHORE GUATEMALA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8501	54	EP		1223	18.45	0.14							1.0
MESJ	BZ	8501	54	AMS		1254	31.27			2376	18.1				

**December 7 2014 Hour: 13:12 5.2 Lat: 36.64N Lon: 7.02W Depth: 32F 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	170	322	EP		1312	29.14	0.02							1.0
MESJ	HN	170	322	ES		1312	46.57	-0.02							1.0
MESJ	HN	170	322	AML		1312	48.27			2	0.1				

**December 7 2014 Hour: 13:56 50.5 Lat: 36.29N Lon: 9.81W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	223	39	EP		1357	20.10	-0.12							1.0
MESJ	HN	223	39	ES		1357	42.00	0.12							1.0
MESJ	HN	223	39	AML		1357	44.17			5	0.2				

**December 7 2014 Hour: 18:39 14.7 Lat: 38.12N Lon: 8.86W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.1 secs**

**W MELIDES; PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	64	119	EP		1839	25.08	-0.05							1.0
MESJ	HN	64	119	ES		1839	32.81	0.05							1.0
MESJ	HN	64	119	AML		1839	35.02			2	0.1				

**December 7 2014 Hour: 21: 8 37.4 Lat: 34.74N Lon: 5.92W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.0 secs**

**MOROCCO Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	401	330	EP		21	9	30.74	-0.02						1.0

**December 7 2014 Hour: 21:16 37.1 Lat: 13.73N Lon: 91.44W Depth: 33F Agency: IGL Distant**  
**Magnitudes: 5.7MS IGL Rms: 0.0 secs**

**OFFSHORE GUATEMALA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8413	53	EP		2128	18.86	0.05							1.0
GGNV	BZ	8413	53	AMS		22	0	59.80		3916	15.8				
MESJ	BZ	8505	54	EP		2128	23.51	-0.05							1.0
MESJ	BZ	8505	54	AMS		2159	11.50			4126	23.1				

**December 8 2014 Hour: 8:54 53.1 Lat: 7.97N Lon: 82.69W Depth: 20F Agency: IGL Distant**  
**Magnitudes: 6.4MS IGL Rms: 0.1 secs**

**PANAMA-COSTA RICA BORDER REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8040	52	EP		9	6	16.88	-0.05						1.0
GGNV	BN	8040	52	ES		915	39.48	0.06							1.0
GGNV	BZ	8040	52	AMS		934	47.04			19330	20.7				
MESJ	BZ	8115	53	EP		9	6	21.04	0.06						1.0
MESJ	BZ	8115	53	EPP		9	9	2.75	-0.08						1.0
MESJ	BN	8115	53	ES		915	47.19	0.02							1.0
MESJ	BZ	8115	53	AMS		933	30.91			17913	19.9				

**December 8 2014 Hour: 18:44 47.2 Lat: 8.04N Lon: 82.64W Depth: 43F Agency: IGL Distant**  
**Magnitudes: 5.2MB IGL Rms: 0.0 secs**

**PANAMA-COSTA RICA BORDER REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8106	53	EP		1856	11.58	0.04							1.0
MESJ	BZ	8106	53	AMB		1856	14.03			72	1.7				

**December 9 2014 Hour: 2:33 33.7 Lat: 6.37S Lon: 154.33E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.4MS IGL Rms: 0.0 secs**  
**BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ BZ16128 336 EPKpdf 253 10.37 0.00 1.0  
 MESJ BZ16128 336 AMS 4 2 30.35 514 17.1

**December 9 2014 Hour: 3: 9 24.2 Lat: 1.64N Lon: 126.36E Depth: 37F Agency: IGL Distant**  
**Magnitudes: 5.3MS IGL Rms: 0.0 secs**  
**MOLUCCA SEA Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ BZ13643 318 EPKpdf 328 15.47-0.04 1.0  
 MESJ BZ13643 318 AMS 4 8 17.36 516 16.6

**December 9 2014 Hour: 13:50 5.6 Lat: 36.15N Lon: 10.51W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 277 47 EP 1350 44.51 0.05 1.0  
 MESJ HN 277 47 ES 1351 12.77-0.05 1.0  
 MESJ HN 277 47 AML 1351 14.33 2 0.1

**December 10 2014 Hour: 2:55 43.2 Lat: 37.96N Lon: 8.34W Depth: 5F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.0 secs**  
**NW ALJUSTREL, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 17 142 EP 255 46.08-0.04 1.0  
 MESJ HE 17 142 ES 255 48.26 0.04 1.0  
 MESJ HE 17 142 AML 255 48.68 17 0.2

**December 10 2014 Hour: 6:44 48.4 Lat: 36.91N Lon: 8.14W Depth: 26F Agency: IGL Regional**  
**Magnitudes: 2.8ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 103 356 EP 645 4.38 0.08 1.0  
 MESJ HN 103 356 ES 645 15.84-0.08 1.0  
 MESJ HN 103 356 AML 645 18.57 225 0.1

**December 10 2014 Hour: 11: 5 3.6 Lat: 35.52N Lon: 4.80W Depth: 33F Agency: IGL Regional**  
**Magnitudes: 3.7ML 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 400 311 EP 11 5 55.98 0.04 1.0  
 MESJ HE 400 311 ES 11 6 34.10-0.04 1.0  
 MESJ HN 400 311 AML 11 6 36.66 210 0.2

**December 10 2014 Hour: 22:55 11.7 Lat: 36.60N Lon: 2.80W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 0.4ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 501 288 EP 2256 17.97-0.10 1.0

**December 11 2014 Hour: 6:47 59.5 Lat: 37.74N Lon: 8.31W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.4ML IGL Rms: 0.1 secs**  
**NW OURIQUE, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 14 36 EP 648 2.28-0.06 1.0  
 MESJ HN 14 36 ES 648 4.47 0.06 1.0  
 MESJ HN 14 36 AML 648 4.99 11 0.1

**December 11 2014 Hour: 10:11 15.4 Lat: 36.38N Lon: 9.87W Depth: 20F 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
MESJ	HZ	219	42	EP		1011	46.14	0.05							1.0
MESJ	HN	219	42	ES		1012	8.43	-0.05							1.0
MESJ	HE	219	42	AML		1012	11.42			8	0.1				

**December 12 2014 Hour: 22:17 56.2 Lat: 37.23N Lon: 9.17W Depth: 28F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.1 secs**

**NW VILA DO BISPO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	47	79	EP		2218	4.68	0.02							1.0
MORF	HN	47	79	ES		2218	10.80	0.00							1.0
MORF	HN	47	79	AML		2218	11.67			18	0.1				
MESJ	HZ	108	51	EP		2218	12.41	-0.18							1.0
MESJ	HN	108	51	ES		2218	24.68	0.16							1.0
MESJ	HN	108	51	AML		2218	25.87			4	0.2				

**December 13 2014 Hour: 3:14 57.6 Lat: 37.31N Lon: 14.36W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.4ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	506	88	EP		316	5.57	-0.14							1.0
MORF	HN	506	88	ES		316	55.53	0.10							1.0
MORF	HN	506	88	AML		316	58.69			7	0.2				
MESJ	HZ	545	82	EP		316	10.51	0.04							1.0

**December 13 2014 Hour: 4:37 59.3 Lat: 36.91N Lon: 5.65W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	250	295	EP		438	34.28	0.02							1.0
MORF	HZ	270	280	EP		438	36.82	-0.02							1.0

**December 13 2014 Hour: 5:0 0.3 Lat: 27.04N Lon: 44.46W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 4.7MS IGL Rms: 0.1 secs**

**NORTHERN MID-ATLANTIC RIDGE Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	3541	62	EP		5 6	25.20	-0.09							1.0
MORF	BE	3541	62	AMS		516	20.25			1617	22.4				
MESJ	BZ	3587	61	EP		5 6	28.98	0.09							1.0
MESJ	BZ	3587	61	AMS		516	26.76			1877	19.9				

**December 13 2014 Hour: 16:4 53.6 Lat: 36.69N Lon: 7.14W Depth: 11F 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	160	323	EP		16 5	17.77	0.03							1.0
MESJ	HN	160	323	ES		16 5	35.34	-0.03							1.0
MESJ	HN	160	323	AML		16 5	38.01			4	0.2				

**December 14 2014 Hour: 16:13 3.7 Lat: 37.32N Lon: 8.54W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.2 secs**

**E MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	261	EP		1613	6.02	-0.23							1.0
MORF	HE	10	261	ES		1613	8.24	0.11							1.0
MORF	HE	10	261	AML		1613	9.03			64	0.1				
MESJ	HZ	64	26	EP		1613	14.20	0.13							1.0

**December 15 2014 Hour: 8:12 27.7 Lat: 37.12N Lon: 13.42W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 2.0ML 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	424	86	EP		813	23.61	-0.14							1.0
MESJ	HZ	467	79	EP		813	28.96	0.03							1.0
MESJ	HE	467	79	ES		814	13.77	0.12							1.0
MESJ	HN	467	79	AML		814	18.03			3	0.2				

**December 15 2014 Hour: 9:26 54.3 Lat: 64.63N Lon: 17.40W Depth: 2F Agency: IGL Distant**  
**Magnitudes: 5.1MS IGL Rms: 0.1 secs**

**ICELAND Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2931	165	EP		932	31.88	0.06							1.0
GGNV	BN	2931	165	ES		937	6.80	-0.08							1.0
GGNV	BZ	2931	165	AMS		941	48.38			4871	19.3				
MESJ	BZ	3039	164	EP		932	40.59	-0.01							1.0
MESJ	BN	3039	164	ES		937	22.14	-0.12							1.0
MESJ	BZ	3039	164	AMS		942	21.39			4672	20.0				
MORF	BZ	3092	165	EP		932	45.08	0.16							1.0
MORF	BZ	3092	165	AMS		942	23.55			4699	13.1				

**December 15 2014 Hour: 12:40 46.8 Lat: 36.19N Lon: 10.84W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.2 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	231	57	EP		1241	17.38	-0.22							1.0
MORF	HN	231	57	ES		1241	40.10	0.02							1.0
MORF	HE	231	57	AML		1241	41.97			7	0.1				
MESJ	HZ	296	51	EP		1241	25.58	-0.06							1.0
MESJ	HE	296	51	ES		1241	54.25	0.26							1.0
MESJ	HE	296	51	AML		1241	55.06			2	0.2				

**December 15 2014 Hour: 20:31 10.4 Lat: 37.28N Lon: 13.10W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.0 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	436	80	EP		2032	9.99	-0.02							1.0
MESJ	HE	436	80	ES		2032	53.52	0.02							1.0
MESJ	HN	436	80	AML		2032	56.38			3	0.4				

**December 16 2014 Hour: 5:33 1.9 Lat: 39.79N Lon: 12.01W Depth: 6F Agency: IGL Regional**  
**Magnitudes: 1.9ML 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	HE	394	122	ES		534	35.06	0.04							1.0
MESJ	HN	394	122	AML		534	41.14			2	0.0				
MORF	HZ	402	132	EP		533	56.82	0.05							1.0
MORF	HE	402	132	ES		534	36.74	-0.09							1.0
MORF	HE	402	132	AML		534	39.29			5	0.2				

**December 16 2014 Hour: 6:4 24.6 Lat: 36.67N Lon: 7.53W Depth: 19F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	144	335	EP		6 4	45.96	-0.04							1.0
MESJ	HE	144	335	ES		6 5	1.70	0.04							1.0
MESJ	HE	144	335	AML		6 5	2.71			1	0.1				

**December 16 2014 Hour: 17:44 34.3 Lat: 36.16N Lon: 7.99W Depth: 22F 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	140	335	EP		1744	55.02	-0.12							1.0
MORF	HN	140	335	ES		1745	10.40	0.06							1.0
MORF	HE	140	335	AML		1745	11.65			13	0.2				
MESJ	HZ	188	354	EP		1745	1.04	0.06							1.0
MESJ	HE	188	354	ES		1745	20.44	0.00							1.0
MESJ	HN	188	354	AML		1745	21.93			8	0.2				

**December 17 2014 Hour: 6:10 5.1 Lat: 3.93S Lon: 100.13E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.7MS IGL Rms: 0.2 secs**

**KEP. MENTAWAI REGION, INDONESIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11897	308	EPP			628	46.87	0.17							1.0
MESJ	BZ11897	308	AMS			730	26.28			1869	19.2				
MORF	BZ11943	308	EPP			628	49.83	0.03							1.0
MORF	BZ11943	308	AMS			729	44.75			1978	18.2				
GGNV	BZ11963	309	EPP			628	50.79	-0.21							1.0
GGNV	BE11963	309	AMS			738	13.67			2620	16.3				

**December 17 2014 Hour: 9:46 57.6 Lat: 5.55S Lon: 151.41E Depth: 73F Agency: IGL Distant**  
**Magnitudes: 5.7MS IGL Rms: 0.0 secs**

**NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ15977	333	EPKpdf			10	6	23.32	0.02						1.0

**December 17 2014 Hour: 10:41 52.2 Lat: 38.90N Lon: 8.34W Depth: 17F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.0 secs**

**SW MORA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	118	175	EP		1042	10.70	-0.02							1.0
MESJ	HN	118	175	ES		1042	24.23	0.02							1.0
MESJ	HN	118	175	AML		1042	25.35			17	0.1				

**December 17 2014 Hour: 13:58 50.9 Lat: 64.71N Lon: 17.83W Depth: 2F Agency: IGL Distant**  
**Magnitudes: 4.9MS IGL Rms: 0.2 secs**

**ICELAND Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2945	165	EP		14	4	29.28	-0.29						1.0
GGNV	BN	2945	165	ES		14	9	5.48	0.00						1.0
GGNV	BZ	2945	165	AMS		1413	47.45			2973	18.5				
MESJ	BZ	3054	163	EP		14	4	38.65	0.27						1.0
MORF	BZ	3106	164	EP		14	4	42.69	0.02						1.0
MORF	BE	3106	164	AMS		1414	52.77			3244	17.7				

**December 17 2014 Hour: 18:56 22.5 Lat: 36.74N Lon: 9.66W Depth: 19F 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	55	EP		1856	39.73	0.01							1.0
MORF	HE	110	55	ES		1856	52.42	0.09							1.0
MORF	HE	110	55	AML		1856	53.44			10	0.2				
MESJ	HZ	177	46	EP		1856	47.92	-0.10							1.0

**December 17 2014 Hour: 20:4 23.0 Lat: 38.89N Lon: 8.04W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.0 secs**

**SE MORA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	118	188	EP		20	4	41.69	0.04						1.0
MESJ	HE	118	188	ES		20	4	55.24	-0.04						1.0
MESJ	HN	118	188	AML		20	4	56.96		6	0.1				



**December 17 2014 Hour: 20:27 39.4 Lat: 38.33N Lon: 8.00W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.2 secs**

**NE VIANA DO ALENTEJO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	58	200	EP		2027	49.16	0.24							1.0
MESJ	HN	58	200	ES		2027	55.73	-0.12							1.0
MESJ	HN	58	200	AML		2027	56.56			51	0.1				
MORF	HN	127	207	ES		2028	13.96	-0.13							1.0
MORF	HE	127	207	AML		2028	16.50			14	0.1				

**December 17 2014 Hour: 21:12 19.6 Lat: 38.40N Lon: 8.02W Depth: 3F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.2 secs**

**NW VIANA DO ALENTEJO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	65	196	EP		2112	30.25	0.23							1.0
MESJ	HE	65	196	ES		2112	37.41	-0.23							1.0
MESJ	HN	65	196	AML		2112	37.98			4	0.1				

**December 18 2014 Hour: 4:23 48.8 Lat: 38.39N Lon: 8.01W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.2 secs**

**N VIANA DO ALENTEJO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	64	197	EP		423	59.32	0.23							1.0
MESJ	HN	64	197	ES		424	6.38	-0.23							1.0
MESJ	HN	64	197	AML		424	7.03			8	0.2				

**December 18 2014 Hour: 15:56 1.9 Lat: 37.04N Lon: 8.33W Depth: 1 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	41	316	EP		1556	8.36	-0.15							1.0
MORF	HN	41	316	ES		1556	13.51	0.16							1.0
MORF	HE	41	316	AML		1556	14.71			28	0.2				
MESJ	HZ	89	6	EP		1556	16.30	0.02							1.0
MESJ	HE	89	6	ES		1556	26.75	-0.04							1.0
MESJ	HN	89	6	AML		1556	28.97			23	0.2				

**December 19 2014 Hour: 1: 0 1.9 Lat: 35.80N Lon: 4.66W Depth:104F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	390	307	EP		1 0	52.58	-0.13							1.0
MESJ	HN	390	307	ES		1 1	29.89	0.13							1.0
MESJ	HN	390	307	AML		1 1	32.64			2	0.2				

**December 19 2014 Hour: 4: 8 11.9 Lat: 21.99S Lon: 179.47W Depth:582F 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
MESJ	BZ18080	24	EPKpdf			427	6.96	-0.10							1.0

**December 19 2014 Hour: 19:49 30.5 Lat: 16.19N Lon: 61.80W Depth:114F Agency: IGL Distant**  
**Magnitudes: 4.7MS IGL Rms: 0.1 secs**

**GUADELOUPE REGION, LEEWARD ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5697	55	EP		1958	22.10	-0.09							1.0
MORF	BE	5697	55	ES		20 5	32.40	-0.12							1.0
MORF	BZ	5697	55	AMS		2018	38.38			688	17.9				
MESJ	BZ	5744	54	EP		1958	25.51	0.21							1.0
MESJ	BZ	5744	54	AMS		2018	44.35			828	23.9				

December 20 2014 Hour: 6:47 31.9 Lat: 37.69N Lon: 8.77W Depth: 14F Agency: IGL Regional  
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NW ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	44	166	EP		647	39.33	0.05							1.0
MORF	HN	44	166	ES		647	44.69	0.03							1.0
MORF	HE	44	166	AML		647	45.10			5	0.1				
MESJ	HZ	51	71	EP		647	40.43	0.07							1.0
MESJ	HN	51	71	ES		647	46.38	-0.16							1.0
MESJ	HN	51	71	AML		647	47.15			2	0.1				

December 20 2014 Hour: 21:23 37.5 Lat: 37.34N Lon: 8.56W Depth: 11F Agency: IGL Regional  
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	245	EP		2123	39.93	0.06							1.0
MORF	HE	9	245	ES		2123	41.63	0.04							1.0
MORF	HE	9	245	AML		2123	41.93			13	0.1				
MESJ	HZ	63	28	EP		2123	47.66	-0.14							1.0
MESJ	HE	63	28	ES		2123	55.35	0.04							1.0
MESJ	HE	63	28	AML		2123	56.14			1	0.1				

December 20 2014 Hour: 23: 3 1.3 Lat: 35.65N Lon: 7.09W Depth: 26F Agency: IGL Regional  
Magnitudes: 2.5ML 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	231	323	EP		23	3	33.01	-0.12						1.0
MESJ	HZ	263	338	EP		23	3	37.12	0.03						1.0
MESJ	HE	263	338	ES		23	4	3.29	0.09						1.0
MESJ	HN	263	338	AML		23	4	7.53			27	0.3			

December 21 2014 Hour: 0: 1 36.1 Lat: 36.58N Lon: 7.53W Depth: 16F Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	128	309	EP		0	1	55.86	-0.12						1.0
MESJ	HZ	153	337	EP		0	1	58.93	-0.04						1.0
MESJ	HN	153	337	ES		0	2	15.81	0.17						1.0
MESJ	HE	153	337	AML		0	2	23.69			3	0.1			

December 21 2014 Hour: 6:50 57.7 Lat: 37.31N Lon: 8.64W Depth: 18F Agency: IGL Regional  
Magnitudes: 0.4ML 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	1	247	EP		651	0.64	0.00							1.0
MORF	HE	1	247	ES		651	2.78	0.00							1.0
MORF	HE	1	247	AML		651	3.23				14	0.1			

December 21 2014 Hour: 11:34 15.5 Lat: 2.13N Lon: 126.65E Depth: 55F Agency: IGL Distant  
Magnitudes: 5.8MS IGL Rms: 0.2 secs

MOLUCCA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13625	318	EPP			1154	40.80	-0.17							1.0
MESJ	BZ13625	318	AMS			1248	4.34			3086	25.8				

December 21 2014 Hour: 15:36 46.4 Lat: 36.68N Lon: 8.16W Depth: 31F Agency: IGL Regional  
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	82	328	EP		1536	58.49	-0.14							1.0
MORF	HE	82	328	ES		1537	7.70	0.14							1.0
MORF	HE	82	328	AML		1537	9.46				13	0.1			

December 21 2014 Hour: 18:20 21.0 Lat: 37.80N Lon: 6.84W Depth: 1 Agency: IGL Regional  
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	122	272	EP		1820	40.60	-0.05							1.0

December 21 2014 Hour: 23:55 41.9 Lat: 36.54N Lon: 9.83W Depth: 14F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	135	51	EP		2356	2.77	-0.01							1.0
MORF	HE	135	51	ES		2356	18.00	-0.03							1.0
MORF	HE	135	51	AML		2356	19.38			2	0.1				
MESJ	HZ	203	44	EP		2356	11.20	0.01							1.0
MESJ	HN	203	44	ES		2356	32.59	0.03							1.0
MESJ	HE	203	44	AML		2356	36.07			0.70	0.2				

December 22 2014 Hour: 0:53 9.5 Lat: 37.29N Lon: 8.55W Depth: 4F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.2 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	281	EP		053	10.87	-0.31							1.0
MORF	HE	9	281	ES		053	12.48	0.10							1.0
MORF	HE	9	281	AML		053	13.86			45	0.1				
MESJ	HZ	68	25	EP		053	20.52	0.06							1.0
MESJ	HN	68	25	ES		053	28.58	0.15							1.0
MESJ	HN	68	25	AML		053	31.45			2	0.2				

December 22 2014 Hour: 2:43 3.0 Lat: 37.32N Lon: 8.51W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.2 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		2 4	35.98	-0.22							1.0
MORF	HE	13	263	ES		2 4	38.61	0.08							1.0
MORF	HE	13	263	AML		2 4	39.48			74	0.1				
MESJ	HZ	63	24	EP		2 4	43.50	0.23							1.0
MESJ	HN	63	24	ES		2 4	50.68	-0.08							1.0
MESJ	HN	63	24	AML		2 4	53.39			24	0.2				

December 22 2014 Hour: 3:32 11.4 Lat: 36.50N Lon: 9.77W Depth: 13F 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	134	48	EP		332	32.23	-0.04							1.0
MORF	HE	134	48	ES		332	47.59	0.12							1.0
MORF	HE	134	48	AML		332	50.89			5	0.2				
MESJ	HZ	203	42	EP		332	40.72	-0.04							1.0
MESJ	HE	203	42	ES		333	2.11	-0.05							1.0
MESJ	HE	203	42	AML		333	4.06			2	0.2				

December 22 2014 Hour: 7:13 26.3 Lat: 37.33N Lon: 8.56W Depth: 13F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.1 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	252	EP		713	28.78	-0.09							1.0
MORF	HN	8	252	ES		713	30.83	0.09							1.0
MORF	HE	8	252	AML		713	31.30			23	0.1				

**December 22 2014 Hour: 7:19 41.4 Lat: 54.15S Lon: 145.94W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.4MS IGL Rms: 0.0 secs**

**PACIFIC-ANTARTIC RIDGE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ16258	102		EPKpdf		739	20.69	0.01							1.0
MESJ	BZ16327	102		EPKpdf		739	21.60	-0.05							1.0
MESJ	BZ16327	102		AMS		838	20.67			519	16.8				
GGNV	BZ16333	100		EPKpdf		739	21.76	0.04							1.0
GGNV	BZ16333	100		AMS		836	54.63			826	20.6				

**December 22 2014 Hour: 12:10 29.2 Lat: 36.50N Lon: 9.78W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	203	43	EP		1210	58.55	-0.04							1.0
MESJ	HN	203	43	ES		1211	20.08	0.04							1.0
MESJ	HN	203	43	AML		1211	21.80			2	0.2				

**December 22 2014 Hour: 20:33 41.7 Lat: 35.14N Lon: 5.88W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 3.2ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	366	326	EP		2034	30.37	0.01							1.0
MESJ	HE	366	326	ES		2035	5.88	-0.01							1.0
MESJ	HN	366	326	AML		2035	8.62			78	0.4				

**December 22 2014 Hour: 22:35 49.7 Lat: 7.39S Lon: 155.90E Depth: 59F Agency: IGL Distant**  
**Rms: 0.0 secs**

**SOLOMON ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16301	337		EPKpdf		2255	22.05	-0.03							1.0

**December 22 2014 Hour: 22:38 58.2 Lat: 7.36S Lon: 155.88E Depth: 57F Agency: IGL Distant**  
**Rms: 0.2 secs**

**SOLOMON ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16297	337		EPKpdf		2258	30.61	-0.17							1.0

**December 22 2014 Hour: 22:48 29.5 Lat: 7.14S Lon: 155.89E Depth: 56F Agency: IGL Distant**  
**Rms: 0.0 secs**

**SOLOMON ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16276	337		EPKpdf		23 8	1.83	-0.04							1.0

**December 23 2014 Hour: 8: 0 23.5 Lat: 36.44N Lon: 3.02E Depth: 8F Agency: IGL Regional**  
**Rms: 0.0 secs**

**NORTHERN ALGERIA Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	1010	282	EP		8 2	30.76	-0.02							1.0

**December 23 2014 Hour: 22:14 0.0 Lat: 43.08N Lon: 14.70W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.0 secs**

**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	800	134	EP		2215	40.93	-0.01							1.0
MESJ	HE	800	134	ES		2216	54.62	0.01							1.0
MESJ	HN	800	134	AML		2217	0.57			10	0.3				

**December 24 2014 Hour: 7:34.7 Lat: 36.01N Lon: 9.93W Depth: 3F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	254	36	EP		7 4	21.35	0.01							1.0
MESJ	HN	254	36	ES		7 4	48.12	-0.01							1.0
MESJ	HE	254	36	AML		7 4	50.36			2	0.2				

**December 24 2014 Hour: 21:34 6.6 Lat: 6.25S Lon: 131.15E Depth: 45F Agency: IGL Distant**  
**Rms: 0.1 secs**

**KEP. TANIMBAR REGION, INDONESIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14645	316		EPKpdf		2153	14.03	0.12							1.0

**December 24 2014 Hour: 23:41 14.2 Lat: 36.80N Lon: 7.31W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	141	325	EP		2341	33.65	-0.03							1.0
MESJ	HN	141	325	ES		2341	47.95	0.03							1.0
MESJ	HN	141	325	AML		2341	49.47			1	0.1				

**December 25 2014 Hour: 0:48 26.0 Lat: 7.42S Lon: 155.96E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.7MS IGL Rms: 0.0 secs**

**SOLOMON ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16259	339		EPKpdf		1 8	4.68	-0.01							1.0
GGNV	BE16259	339		AMS		219	33.32			1127	17.5				
MESJ	BZ16307	337		EPKpdf		1 8	5.44	0.01							1.0

**December 25 2014 Hour: 6:45 42.7 Lat: 24.40N Lon: 108.97W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 4.7MS IGL Rms: 0.1 secs**

**GULF OF CALIFORNIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 9270	52		EP		658	10.01	-0.09							1.0
MESJ	BZ 9270	52		AMS		734	34.73			471	29.8				

**December 25 2014 Hour: 9:27 13.6 Lat: 37.32N Lon: 8.54W Depth: 0 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
MESJ	HZ	64	26	EP		927	24.08	0.13							1.0
MESJ	HN	64	26	ES		927	31.38	-0.13							1.0
MESJ	HE	64	26	AML		927	32.32			21	0.1				

**December 25 2014 Hour: 21:48 53.4 Lat: 37.31N Lon: 8.60W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.1 secs**

**W MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	68	30	EP		2149	4.43	0.07							1.0
MESJ	HE	68	30	ES		2149	12.31	-0.07							1.0
MESJ	HN	68	30	AML		2149	13.21			8	0.1				

**December 25 2014 Hour: 22:36 33.8 Lat: 36.75N Lon: 8.46W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 3.2ML 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
MESJ	HZ	123	10	EP		2236	52.55	-0.06							1.0
MESJ	HN	123	10	ES		2237	6.39	0.06							1.0
MESJ	HN	123	10	AML		2237	8.54			449	0.1				

**December 25 2014 Hour: 22:53 26.6 Lat: 64.57N Lon: 17.34W Depth: 8F Agency: IGL Distant**  
**Magnitudes: 4.9MS IGL Rms: 0.2 secs**

**ICELAND Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2924	165	EP		2259	2.58	-0.03							1.0
GGNV	BN	2924	165	ES		23 3	36.85	0.26							1.0
GGNV	BZ	2924	165	AMS		23 8	20.23			3182	18.8				
MESJ	BZ	3032	164	EP		2259	11.21	-0.18							1.0
MESJ	BN	3032	164	ES		23 3	51.93	-0.04							1.0
MESJ	BZ	3032	164	AMS		23 8	53.93			3109	20.6				

**December 26 2014 Hour: 4:35 48.2 Lat: 36.44N Lon: 9.58W Depth: 4F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	197	37	EP		436	17.67	0.01							1.0
MESJ	HE	197	37	ES		436	39.19	-0.01							1.0
MESJ	HN	197	37	AML		436	41.27			2	0.2				

**December 26 2014 Hour: 14:12 38.1 Lat: 36.56N Lon: 11.10W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.2 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	292	60	EP		1413	18.67	-0.17							1.0
MESJ	HN	292	60	ES		1413	48.77	0.17							1.0
MESJ	HN	292	60	AML		1413	56.17			2	0.4				

**December 26 2014 Hour: 23:52 14.5 Lat: 6.50N Lon: 82.35W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.5MS IGL Rms: 0.1 secs**

**SOUTH OF PANAMA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8140	53	EP		24 3	45.57	0.17							1.0
MORF	BE	8140	53	ES		2413	13.86	-0.13							1.0
MORF	BZ	8140	53	AMS		2430	38.57			3203	23.5				
MESJ	BZ	8182	53	EP		24 3	47.70	0.08							1.0
MESJ	BE	8182	53	ES		2413	18.13	-0.13							1.0
MESJ	BZ	8182	53	AMS		2430	40.63			2799	27.3				

**December 27 2014 Hour: 2:34 36.1 Lat: 36.33N Lon: 7.97W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	124	331	EP		234	55.74	-0.12							1.0
MESJ	HZ	169	353	EP		235	1.72	-0.04							1.0
MESJ	HE	169	353	ES		235	20.63	0.16							1.0
MESJ	HN	169	353	AML		235	29.26			3	0.1				

**December 27 2014 Hour: 5:48 30.6 Lat: 36.75N Lon: 7.41W Depth: 25F 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	127	300	ES		549	3.43	0.11							1.0
MORF	HE	127	300	AML		549	3.70			3	0.1				
MESJ	HZ	141	330	EP		548	51.32	0.07							1.0
MESJ	HE	141	330	ES		549	6.12	-0.18							1.0
MESJ	HE	141	330	AML		549	8.22			2	0.2				

December 27 2014 Hour: 7:25 39.3 Lat: 55.45N Lon: 35.12W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.4MB IGL Rms: 0.0 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2680	123	EP		730	55.09	0.00							1.0
GGNV	BZ	2680	123	AMb		731	1.19			150	1.5				
MESJ	BZ	2806	123	EP		731	5.48	-0.03							1.0
MESJ	BZ	2806	123	AMb		731	11.10			105	1.4				
MORF	BZ	2831	124	EP		731	7.61	0.03							1.0
MORF	BZ	2831	124	AMb		731	14.15			150	1.3				

December 27 2014 Hour: 11:31 18.2 Lat: 36.63N Lon: 7.97W Depth: 19F Agency: IGL Regional  
Magnitudes: 2.0ML 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	97	321	EP		1131	33.39	-0.20							1.0
MORF	HE	97	321	ES		1131	44.66	-0.15							1.0
MORF	HE	97	321	AML		1131	45.80			32	0.1				
MESJ	HZ	136	351	EP		1131	38.92	0.18							1.0
MESJ	HE	136	351	ES		1131	53.91	0.19							1.0
MESJ	HN	136	351	AML		1131	54.73			29	0.2				

December 27 2014 Hour: 12:40 3.6 Lat: 36.58N Lon: 7.62W Depth: 25F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	150	339	EP		1240	25.27	-0.10							1.0
MESJ	HN	150	339	ES		1240	41.32	0.10							1.0
MESJ	HN	150	339	AML		1240	43.02			3	0.2				

December 27 2014 Hour: 22:31 17.8 Lat: 0.63S Lon: 20.77W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.4MB IGL Rms: 0.0 secs

CENTRAL MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4384	15	EP		2238	47.82	0.01							1.0
MORF	BZ	4384	15	AMb		2238	51.47			82	1.7				
MESJ	BZ	4452	16	EP		2238	52.87	-0.01							1.0
MESJ	BZ	4452	16	AMb		2238	56.24			67	0.8				

December 28 2014 Hour: 4:41 25.0 Lat: 38.45N Lon: 8.75W Depth: 8F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.1 secs

SE SETUBAL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	82	145	EP		441	38.40	0.07							1.0
MESJ	HN	82	145	ES		441	47.99	-0.07							1.0
MESJ	HE	82	145	AML		441	49.63			4	0.2				

December 29 2014 Hour: 6:46 46.3 Lat: 36.71N Lon: 7.98W Depth: 21F 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	89	318	EP		647	0.67	0.12							1.0
MORF	HE	89	318	ES		647	10.88	-0.08							1.0
MORF	HE	89	318	AML		647	11.65			41	0.2				
MESJ	HZ	127	350	EP		647	5.63	0.11							1.0
MESJ	HN	127	350	ES		647	19.42	-0.15							1.0
MESJ	HN	127	350	AML		647	20.79			9	0.1				

**December 29 2014 Hour: 9:29 41.8 Lat: 8.60N Lon: 121.50E Depth: 38F Agency: IGL Distant**  
**Magnitudes: 6.0MS 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	BZ12710	318	EPP			949	12.11	-0.07							1.0
MESJ	BZ12710	318	AMS			1042	23.36			3939	13.7				
GGNV	BZ12723	319	EPP			949	13.07	0.10							1.0
GGNV	BE12723	319	AMS			1033	56.83			5180	27.4				
MORF	BZ12774	318	EPP			949	16.31	-0.02							1.0
MORF	BE12774	318	AMS			1039	24.23			3486	20.7				

**December 29 2014 Hour: 20:34 13.5 Lat: 41.66N Lon: 19.23E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 4.9MB IGL Rms: 0.2 secs**

**ADRIATIC SEA Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2380	269	EP		2039	1.65	0.17							1.0
MESJ	BZ	2380	269	AMb		2039	11.89			63	1.0				

**December 30 2014 Hour: 0:11 13.5 Lat: 64.69N Lon: 17.74W Depth: 2F Agency: IGL Distant**  
**Magnitudes: 4.1MS IGL Rms: 0.1 secs**

**ICELAND Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3050	164	EP		017	0.56	-0.09							1.0
MESJ	BN	3050	164	ES		021	43.06	0.09							1.0
MESJ	BZ	3050	164	AMS		028	2.35			459	16.8				

**December 30 2014 Hour: 16:13 19.7 Lat: 37.32N Lon: 8.64W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.1 secs**

**W MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	2	212	EP		1613	22.91	-0.05							1.0
MORF	HE	2	212	ES		1613	25.25	-0.08							1.0
MORF	HE	2	212	AML		1613	25.53			285	0.1				
MESJ	HN	69	33	ES		1613	39.22	0.14							1.0
MESJ	HE	69	33	AML		1613	41.45			17	0.1				

**December 30 2014 Hour: 16:24 38.3 Lat: 37.40N Lon: 8.41W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.2 secs**

**NE MONCHIQUE, PORTUGAL Net:IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	24	244	EP		1624	42.80	-0.08							1.0
MORF	HN	24	244	ES		1624	46.33	0.09							1.0
MORF	HE	24	244	AML		1624	46.77			37	0.2				
MESJ	HZ	52	19	EP		1624	47.09	0.25							1.0
MESJ	HN	52	19	ES		1624	52.83	-0.25							1.0
MESJ	HN	52	19	AML		1624	53.68			9	0.1				

**December 30 2014 Hour: 21:17 24.0 Lat: 20.34S Lon: 178.55W Depth: 598F 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	BZ17751	24	EPKpdf			2136	14.49	0.13							1.0
MESJ	BZ17876	24	EPKpdf			2136	15.65	0.02							1.0
MESJ	BZ17876	24	EPP			2140	47.16	0.05							1.0
MESJ	BE17876	24	ESS			22 0	12.31	-0.12							1.0
MORF	BZ17909	25	EPKpdf			2136	16.05	0.04							1.0
MORF	BE17909	25	ESS			22 0	15.45	-0.12							1.0



December 31 2014 Hour: 0:6 9.3 Lat: 20.37S Lon: 178.59W Depth:597F 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	BZ17756		24	EPKpdf		024	59.81	0.04							1.0
MESJ	BZ17880		24	EPKpdf		025	1.07	0.03							1.0
MORF	BZ17914		25	EPKpdf		025	1.34	-0.07							1.0

December 31 2014 Hour: 1:37 34.0 Lat: 4.44S Lon: 143.97E Depth:119F Agency: IGL Distant  
Rms: 0.1 secs

**NEW GUINEA, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15366		328	EPKpdf		156	44.31	0.15							1.0
GGNV	BZ15366		328	EPP		159	34.03	0.03							1.0
MESJ	BZ15381		326	EPKpdf		156	44.50	0.07							1.0
MESJ	BZ15381		326	EPP		159	34.78	-0.09							1.0
MORF	BZ15450		326	EPP		159	38.60	-0.16							1.0

December 31 2014 Hour: 11:33 51.3 Lat: 35.84N Lon: 5.11W Depth:30F Agency: IGL Regional  
Magnitudes: 2.1ML 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		355	310 EP		1134	38.18	0.00							1.0
MESJ	HN		355	310 ES		1135	12.43	0.00							1.0
MESJ	HN		355	310 AML		1135	14.59				7	0.2			

December 31 2014 Hour: 12:32 51.1 Lat: 34.70N Lon: 5.44W 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		409	316 EP		1233	47.42	-0.03							1.0
MESJ	HZ		429	325 EP		1233	49.86	0.03							1.0

December 31 2014 Hour: 23:43 34.5 Lat: 36.45N Lon: 9.96W Depth:31F Agency: IGL Regional  
Magnitudes: 3.1ML IGL  
Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ		151	50 EP		2343	55.32	0.10							1.0
MORF	HN		151	50 ES		2344	10.27	-0.10							1.0
MORF	HN		151	50 AML		2344	11.33				145	0.2			
MESJ	HZ		218	45 EP		2344	3.58	-0.04							1.0
MESJ	HN		218	45 ES		2344	24.93	0.04							1.0
MESJ	HN		218	45 AML		2344	27.95				170	0.3			