

Seismological Bulletin

from the

UNIVERSITY OF LISBON

IDL Seismic Network

November to December

2013

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IDL.UL.PT

STATIONS USED

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

Lisboa (IGIDL)
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Almeirim (Fazendas)
ALMR

Latitude	39.1554N
Longitude	8.5768W
Height	165m

Marmelete (Picos)
MORF

Latitude	37.3063N
Longitude	8.6508W
Height	650m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

November 1 2013 Hour: 3:24 9.1 Lat: 20.74S Lon: 178.47W Depth:543F Agency: IGL Distant
Rms: 0.0 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ17769		23	EPKpdf		343	5.13	0.01							1.0
MESJ	BZ17913		24	EPKpdf		343	6.54	-0.01							1.0

November 2 2013 Hour: 9: 5 23.5 Lat: 36.48N Lon: 7.50W Depth: 12F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	164	337	EP		9 5	48.09	0.00							1.0

November 2 2013 Hour: 11: 2 17.2 Lat: 36.79N Lon: 8.12W Depth: 25F 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	74	321	EP		11 2	29.30	0.04							1.0
MORF	HN	74	321	ES		11 2	38.04	-0.04							1.0
MORF	HN	74	321	AML		11 2	40.29			22	0.2				

November 2 2013 Hour: 18:53 46.8 Lat: 19.18S Lon: 172.66W Depth: 10F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.1 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ17337		31	EPKpdf		1913	40.37	0.03							1.0
ALMR	BZ17337		31	EPP		1917	44.74	0.13							1.0
GGNV	BZ17343		33	EPKpdf		1913	40.29	-0.10							1.0
GGNV	BZ17343		33	EPP		1917	44.86	0.00							1.0
GGNV	BZ17343		33	AMS		2019	0.82			2919	20.1				
MESJ	BZ17470		33	EPKpdf		1913	41.99	0.08							1.0
MESJ	BZ17470		33	EPP		1917	51.28	0.07							1.0
MESJ	BZ17470		33	AMS		2020	29.14			2733	21.1				
MORF	BZ17489		34	EPKpdf		1913	42.12	-0.07							1.0
MORF	BZ17489		34	EPP		1917	52.07	-0.15							1.0

November 2 2013 Hour: 21:42 48.7 Lat: 38.70N Lon: 9.45W Depth: 3F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NW CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	HZ	91	56	EP		2143	3.39	0.04							1.0
ALMR	HE	91	56	ES		2143	13.87	-0.21							1.0
ALMR	HN	91	56	AML		2143	15.46			3	0.1				
MESJ	HZ	144	131	EP		2143	11.69	0.06							1.0
MESJ	HN	144	131	ES		2143	28.53	0.13							1.0
MESJ	HN	144	131	AML		2143	30.22			2	0.2				

November 3 2013 Hour: 10: 8 56.4 Lat: 19.24S Lon: 172.52W Depth: 10F Agency: IGL Distant
Rms: 0.0 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ17485		35	EP		1028	51.78	0.02							1.0

November 3 2013 Hour: 10:45 15.6 Lat: 35.64N Lon: 7.01W Depth: 32F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	236	322	EP		1045	47.69	-0.07							1.0
MORF	HE	236	322	ES		1046	11.29	0.07							1.0
MORF	HE	236	322	AML		1046	17.81			12	0.2				

November 3 2013 Hour: 11:340.7 Lat: 4.61N Lon: 123.36E Depth:546F Agency: IGL Distant
Rms: 0.1 secs

CELEBES SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ13123	319	EP			1121	25.27	0.12							1.0
MORF	BZ13239	317	EP			1121	27.10	-0.12							1.0

November 4 2013 Hour: 8:2657.8 Lat: 36.51N Lon: 8.05W Depth: 18F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	103	329	EP		827	14.14	-0.07							1.0
MORF	HN	103	329	ES		827	26.24	0.07							1.0
MORF	HN	103	329	AML		827	27.81			62	0.2				

November 4 2013 Hour: 12:5623.8 Lat: 36.28N Lon: 8.96W Depth: 20F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	14	EP		1256	41.89	-0.01							1.0
MORF	HN	117	14	ES		1256	55.15	0.01							1.0
MORF	HN	117	14	AML		1256	57.93			28	0.2				

November 4 2013 Hour: 17:3150.9 Lat: 37.30N Lon: 8.56W Depth: 16F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	275	EP		1731	53.76	-0.09							1.0
MORF	HE	8	275	ES		1731	56.08	0.09							1.0
MORF	HN	8	275	AML		1731	56.73			15	0.3				

November 5 2013 Hour: 2:515.8 Lat: 37.32N Lon: 8.53W Depth: 16F Agency: IGL Regional
Magnitudes: 1.9ML 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	262	EP		251	8.68	-0.26							1.0
MORF	HN	11	262	ES		251	11.36	0.12							1.0
MORF	HN	11	262	AML		251	12.26			227	0.1				
MESJ	HZ	64	25	EP		251	16.31	0.12							1.0
MESJ	HN	64	25	ES		251	23.80	0.03							1.0
MESJ	HN	64	25	AML		251	25.27			65	0.2				

November 5 2013 Hour: 5:2525.0 Lat: 37.09N Lon: 5.43W Depth: 9F 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	261	290	EP		526	1.92	0.04							1.0
MORF	HZ	287	276	EP		526	5.14	-0.05							1.0

November 5 2013 Hour: 6:3432.0 Lat: 40.35N Lon: 3.81W Depth: 0 Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.2 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	472	235	EP		635	35.82	-0.17							1.0
MESJ	HE	472	235	ES		636	22.84	0.17							1.0
MESJ	HN	472	235	AML		636	24.05			12	0.3				

November 5 2013 Hour: 18:10 5.1 Lat: 36.16N Lon: 8.56W Depth: 30F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	127	356	EP		1810	23.59	-0.17							1.0
MORF	HN	127	356	ES		1810	37.36	-0.04							1.0
MORF	HN	127	356	AML		1810	38.13			72	0.1				
MESJ	HZ	189	9	EP		1810	31.52	0.17							1.0
MESJ	HN	189	9	ES		1810	50.59	0.06							1.0
MESJ	HN	189	9	AML		1810	51.68			20	0.1				

November 5 2013 Hour: 21:59 39.3 Lat: 36.61N Lon: 9.64W Depth: 20F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	48	EP		2159	57.47	0.02							1.0
MORF	HN	117	48	ES		22 0	10.71	0.03							1.0
MORF	HN	117	48	AML		22 0	12.00			7	0.2				
MESJ	HZ	186	42	EP		22 0	5.83	-0.10							1.0
MESJ	HE	186	42	ES		22 0	25.40	0.04							1.0
MESJ	HE	186	42	AML		22 0	27.99			2	0.1				

November 5 2013 Hour: 23:48 33.6 Lat: 37.32N Lon: 8.56W Depth: 12F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	259	EP		2348	35.76	-0.22							1.0
MORF	HE	8	259	ES		2348	37.79	0.05							1.0
MORF	HN	8	259	AML		2348	38.30			74	0.2				
MESJ	HZ	65	27	EP		2348	44.09	0.00							1.0
MESJ	HE	65	27	ES		2348	51.95	0.18							1.0
MESJ	HN	65	27	AML		2348	54.86			3	0.1				

November 6 2013 Hour: 2:17 37.2 Lat: 37.14N Lon: 5.48W Depth: 6F 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	255	289	EP		218	13.62	-0.12							1.0

November 6 2013 Hour: 4:16 17.7 Lat: 26.40N Lon: 93.67E Depth: 43F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.0 secs

ASSAM, INDIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9221	309	EP		428	38.10	0.05							1.0
MESJ	BZ	9221	309	AMb		428	39.56			59	1.3				
MORF	BZ	9283	308	EP		428	40.91	-0.05							1.0
MORF	BZ	9283	308	AMb		428	43.25			43	1.5				

November 6 2013 Hour: 7:23 26.6 Lat: 37.29N Lon: 8.47W Depth: 2F Agency: IGL Regional
Magnitudes: 1.6ML 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	16	277	EP		723	29.19	-0.03							1.0
MORF	HE	16	277	ES		723	31.42	0.27							1.0
MORF	HN	16	277	AML		723	32.57			323	0.1				
MESJ	HZ	65	20	EP		723	37.20	0.14							1.0
MESJ	HE	65	20	ES		723	44.31	-0.39							1.0
MESJ	HE	65	20	AML		723	45.31			15	0.1				

November 7 2013 Hour: 5:46.0 Lat: 37.74N Lon: 6.79W Depth: 1F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	126	275	EP		5	5	20.46	0.08						1.0
MESJ	HE	126	275	ES		5	5	35.33	0.06						1.0
MESJ	HE	126	275	AML		5	5	37.33		6	0.4				
MORF	HN	171	254	ES		5	5	46.01	-0.14						1.0
MORF	HN	171	254	AML		5	5	49.20		6	0.4				

November 7 2013 Hour: 23:35 31.2 Lat: 36.88N Lon: 8.60W Depth: 26F Agency: IGL Regional
Magnitudes: 0.5ML 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	48	355	EP		2335	39.69	0.09							1.0
MORF	HN	48	355	ES		2335	45.64	-0.09							1.0
MORF	HE	48	355	AML		2335	46.88			3	0.2				

November 8 2013 Hour: 2:21 7.9 Lat: 36.66N Lon: 8.88W Depth: 26F Agency: IGL Regional
Magnitudes: 2.4ML 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	75	16	EP		221	20.14	0.15							1.0
MORF	HE	75	16	ES		221	28.91	0.07							1.0
MORF	HN	75	16	AML		221	30.23			136	0.1				
MESJ	HZ	143	24	EP		221	28.88	0.13							1.0
MESJ	HN	143	24	ES		221	43.88	-0.12							1.0
MESJ	HN	143	24	AML		221	45.57			58	0.2				
ALMR	HZ	278	5	EP		221	45.13	-0.36							0.9
ALMR	HE	278	5	ES		222	13.05	0.09							0.9
ALMR	HN	278	5	AML		222	15.63			18	0.2				

November 8 2013 Hour: 2:50 46.6 Lat: 36.72N Lon: 8.87W Depth: 24F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	68	17	EP		250	57.68	-0.11							1.0
MORF	HN	68	17	ES		251	6.15	0.20							1.0
MORF	HN	68	17	AML		251	6.95			23	0.2				
MESJ	HZ	137	25	EP		251	6.64	-0.20							1.0
MESJ	HE	137	25	ES		251	21.72	0.11							1.0
MESJ	HN	137	25	AML		251	22.90			7	0.6				

November 8 2013 Hour: 12:37 14.8 Lat: 37.32N Lon: 8.63W Depth: 11F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.2 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	2	231	EP		1237	16.47	-0.24							1.0
MORF	HN	2	231	ES		1237	18.22	0.12							1.0
MORF	HN	2	231	AML		1237	19.04			62	0.2				
MESJ	HZ	68	32	EP		1237	26.05	0.19							1.0
MESJ	HN	68	32	ES		1237	33.86	-0.06							1.0
MESJ	HN	68	32	AML		1237	36.06			2	0.1				

November 8 2013 Hour: 22:40 43.8 Lat: 34.31N Lon: 5.84W Depth: 24F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.2 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	446	332	EP		2241	42.11	-0.19							1.0
MESJ	HN	446	332	ES		2242	25.22	0.19							1.0
MESJ	HN	446	332	AML		2242	29.11			4	0.4				

November 9 2013 Hour: 10:34 39.2 Lat: 37.26N Lon: 7.78W Depth: 10F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.2 secs

NE 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	75	329	EP		1034	51.21	-0.16							1.0
MESJ	HE	75	329	ES		1035	0.42	0.16							1.0
MESJ	HN	75	329	AML		1035	2.51			6	0.2				

November 10 2013 Hour: 5:5 32.8 Lat: 36.43N Lon: 5.29W Depth: 5F 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	304	302	EP		5 6	15.53	0.05							1.0
MORF	HZ	315	289	EP		5 6	16.88	-0.05							1.0

November 10 2013 Hour: 5:15 9.7 Lat: 38.41N Lon: 68.97E Depth: 18F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.1 secs

TAJIKISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6553	296	EP		525	8.03	0.08							1.0
MESJ	BZ	6553	296	AMB		525	10.81			39	1.2				

November 10 2013 Hour: 13:50 59.9 Lat: 36.99N Lon: 8.66W Depth: 0 Agency: IGL Regional
Magnitudes: 1.0ML 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	35	1	EP		1351	5.68	0.16							1.0
MORF	HN	35	1	ES		1351	9.50	-0.16							1.0
MORF	HN	35	1	AML		1351	11.67			16	0.3				

November 10 2013 Hour: 14:33 13.5 Lat: 38.30N Lon: 8.07W Depth: 5F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

SW VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	53	194	EP		1433	22.03	-0.04							1.0
MESJ	HE	53	194	ES		1433	28.35	0.04							1.0
MESJ	HE	53	194	AML		1433	29.62			2	0.1				

November 11 2013 Hour: 15:36 23.1 Lat: 36.94N Lon: 8.78W Depth: 29F 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	42	16	EP		1536	31.04	0.01							1.0
MORF	HE	42	16	ES		1536	36.71	-0.08							1.0
MORF	HN	42	16	AML		1536	37.90			9	0.2				
MESJ	HN	111	26	ES		1536	52.14	0.07							1.0
MESJ	HN	111	26	AML		1536	53.04			3	0.3				

November 12 2013 Hour: 0:39 22.9 Lat: 36.77N Lon: 8.20W Depth: 21F 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	72	326	EP		039	34.63	-0.02							1.0
MORF	HE	72	326	ES		039	43.18	-0.03							1.0
MORF	HE	72	326	AML		039	44.51			88	0.1				
MESJ	HZ	119	359	EP		039	41.09	-0.04							1.0
MESJ	HN	119	359	ES		039	54.51	0.10							1.0
MESJ	HN	119	359	AML		039	57.50			27	0.2				

November 12 2013 Hour: 7: 3 51.1 Lat: 54.68N Lon: 162.29E Depth: 47F Agency: IGL Distant
Magnitudes: 6.0MS 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
ALMR	BZ	9575	353	EP		716	26.85	0.09							1.0
ALMR	BZ	9575	353	EPP		719	48.31	0.05							1.0
ALMR	BE	9575	353	ESKSac		726	48.62	-0.10							1.0
ALMR	BE	9575	353	AMS		756	10.57		8088	20.8					
GGNV	BZ	9628	353	EP		716	29.23	0.15							1.0
GGNV	BN	9628	353	ESKSac		726	51.68	0.01							1.0
GGNV	BZ	9628	353	AMS		8 2	3.14		8662	22.6					
MESJ	BZ	9718	352	EP		716	33.19	0.17							1.0
MESJ	BZ	9718	352	EPP		719	58.59	-0.02							1.0
MESJ	BN	9718	352	ESKSac		726	56.50	-0.20							1.0
MESJ	BZ	9718	352	AMS		8 1	36.46		5634	22.4					
MORF	BZ	9780	353	EP		716	35.91	0.16							1.0
MORF	BZ	9780	353	EPP		720	3.04	-0.13							1.0
MORF	BN	9780	353	ESKSac		727	0.03	-0.19							1.0
MORF	BZ	9780	353	AMS		753	54.29		5734	25.1					

November 12 2013 Hour: 9:31 2.7 Lat: 35.85N Lon: 7.55W Depth: 26F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	189	329	EP		931	29.21	-0.15							1.0
MORF	HN	189	329	ES		931	48.86	0.06							1.0
MORF	HN	189	329	AML		931	53.21		20	0.3					
MESJ	HZ	229	345	EP		931	34.38	0.15							1.0
MESJ	HN	229	345	ES		931	57.17	-0.05							1.0
MESJ	HN	229	345	AML		931	59.14		13	0.2					

November 12 2013 Hour: 15:59 46.8 Lat: 31.76N Lon: 40.53W Depth: 17F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3017	68	EP		16 5	28.94	-0.03							1.0
MESJ	BZ	3017	68	AMb		16 5	30.73		28	1.1					

November 12 2013 Hour: 18: 9 26.6 Lat: 38.92N Lon: 23.10E Depth: 2F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.0 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2726	277	EP		1814	47.34	-0.03							1.0
MESJ	BZ	2726	277	AMb		1814	48.76		77	1.6					
MESJ	BN	2726	277	ES		1819	9.96	0.03							1.0

November 12 2013 Hour: 21: 8 47.5 Lat: 37.28N Lon: 8.59W Depth: 20F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.5 secs

SW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	298	EP		21 8	51.19	0.32							1.0
MORF	HE	6	298	ES		21 8	53.41	0.08							1.0
MORF	HE	6	298	AML		21 8	53.71		46	0.2					
MESJ	HZ	70	28	EP		21 8	59.37	0.45							1.0
MESJ	HN	70	28	ES		21 9	6.40	-0.87							1.0
MESJ	HN	70	28	AML		21 9	7.58		3	0.5					

November 13 2013 Hour: 3:6 24.8 Lat: 36.50N Lon: 7.13W Depth: 32F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	177	327	EP		3	6	49.58-0.01							1.0

November 13 2013 Hour: 10:32 13.3 Lat: 37.30N Lon: 8.56W Depth: 15F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	275	EP		1032	16.04-0.06								1.0
MORF	HE	8	275	ES		1032	18.21 0.06								1.0
MORF	HE	8	275	AML		1032	18.93			18	0.1				

November 13 2013 Hour: 20:48 56.3 Lat: 36.62N Lon: 11.18W Depth: 25F 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	238	71	EP		2049	28.87-0.12								1.0
MESJ	HZ	295	62	EP		2049	35.92-0.20								1.0
MESJ	HN	295	62	ES		2050	5.40 0.19								1.0
MESJ	HN	295	62	AML		2050	7.31			2	0.4				
ALMR	HN	363	38	ES		2050	19.82 0.15								0.9
ALMR	HN	363	38	AML		2050	21.81			8	0.6				

November 13 2013 Hour: 22:10 58.5 Lat: 38.54N Lon: 7.91W Depth: 7F Agency: IGL Regional
Magnitudes: 1.2ML 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
MESJ	HZ	82	199	EP		2211	11.86 0.07								1.0
MESJ	HE	82	199	ES		2211	21.52 0.00								1.0
MESJ	HN	82	199	AML		2211	24.76			7	0.1				
ALMR	HN	89	320	ES		2211	23.42-0.07								1.0
ALMR	HN	89	320	AML		2211	26.07			9	0.5				

November 14 2013 Hour: 10:12 34.5 Lat: 38.36N Lon: 8.16W Depth: 8F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

NW VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	58	185	EP		1012	43.96 0.02								1.0
MESJ	HN	58	185	ES		1012	50.96 0.12								1.0
MESJ	HE	58	185	AML		1012	51.32			105	0.3				
ALMR	HZ	95	338	EP		1012	49.68-0.16								1.0
ALMR	HE	95	338	ES		1013	1.08 0.04								1.0
ALMR	HN	95	338	AML		1013	3.24			62	0.2				
MORF	HZ	125	200	EP		1012	54.30 0.00								1.0
MORF	HN	125	200	ES		1013	8.73-0.03								1.0
MORF	HN	125	200	AML		1013	10.09			112	0.3				

November 14 2013 Hour: 13:26 59.3 Lat: 36.58N Lon: 11.20W Depth: 35F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	241	70	EP		1327	31.83-0.19								1.0
MORF	HE	241	70	ES		1327	55.92 0.02								1.0
MORF	HN	241	70	AML		1327	58.92			21	0.4				
MESJ	HZ	299	61	EP		1327	39.21 0.00								1.0
MESJ	HE	299	61	ES		1328	8.53 0.18								1.0
MESJ	HN	299	61	AML		1328	12.83			3	0.2				

November 15 2013 Hour: 1:27 22.2 Lat: 35.52N Lon: 3.80W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	471	304	EP		128	26.10	-0.03							1.0
MESJ	HN	471	304	ES		129	12.81	0.03							1.0
MESJ	HN	471	304	AML		129	19.08			3	0.2				

November 15 2013 Hour: 1:30 10.4 Lat: 35.99N Lon: 4.66W Depth: 16F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	378	304	EP		131	1.22	0.01							1.0
MESJ	HE	378	304	ES		131	38.30	-0.01							1.0
MESJ	HE	378	304	AML		131	40.47			2	0.1				

November 15 2013 Hour: 4:18 3.6 Lat: 37.89N Lon: 9.73W Depth: 5F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

W SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	124	EP		418	22.07	-0.10							1.0
MORF	HN	115	124	ES		418	35.69	-0.01							1.0
MORF	HN	115	124	AML		418	36.56			4	0.3				
MESJ	HZ	133	92	EP		418	24.86	0.02							1.0
MESJ	HN	133	92	ES		418	40.41	0.09							1.0
MESJ	HE	133	92	AML		418	42.77			1	0.1				

November 15 2013 Hour: 6:19 12.9 Lat: 32.65S Lon: 67.46W Depth: 19F Agency: IGL Distant
Magnitudes: 5.6MB IGL Rms: 0.0 secs

MENDOZA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9922	43	EP		632	7.28	-0.02							1.0
MESJ	BZ	9922	43	AMB		632	19.99			42	0.8				
ALMR	BZ10000	42	EP			632	10.57	0.02							1.0
ALMR	BZ10000	42	AMB			632	12.29			48	1.0				

November 15 2013 Hour: 7:0 4.8 Lat: 36.57N Lon: 7.61W Depth: 25F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	124	312	EP		7	0	23.18	-0.11						1.0
MORF	HN	124	312	ES		7	0	36.64	-0.17						1.0
MORF	HE	124	312	AML		7	0	38.98		26	0.1				
MESJ	HZ	151	339	EP		7	0	26.77	0.12						1.0
MESJ	HN	151	339	ES		7	0	42.80	0.17						1.0
MESJ	HN	151	339	AML		7	0	45.66		31	0.2				

November 16 2013 Hour: 11:38 38.8 Lat: 37.34N Lon: 9.28W Depth: 28F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.2 secs

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	56	94	EP		1138	48.44	0.06							1.0
MORF	HE	56	94	ES		1138	55.21	-0.19							1.0
MORF	HE	56	94	AML		1138	57.35			322	0.3				
MESJ	HZ	109	59	EP		1138	54.99	-0.23							1.0
MESJ	HE	109	59	ES		1139	7.28	0.04							1.0
MESJ	HN	109	59	AML		1139	9.66			29	0.1				
ALMR	HZ	211	17	EP		1139	8.16	0.29							0.9
ALMR	HN	211	17	ES		1139	29.19	0.07							0.9
ALMR	HN	211	17	AML		1139	31.18			31	0.3				

November 17 2013 Hour: 9: 4 56.0 Lat: 60.36S Lon: 46.43W Depth: 10F Agency: IGL Distant
Magnitudes: 7.7MS IGL Rms: 0.0 secs
SCOTIA SEA Net: CSEM
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 ALMR BZ11538 29 EPdif 918 58.53 0.02 1.0
 ALMR BZ11538 29 AMS 10 2 56.23 291000 23.4

November 17 2013 Hour: 17:37 14.1 Lat: 10.31S Lon: 11.90W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.0 secs
ASCENSION ISLANDS REGION Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF BZ 5282 4 EP 1745 49.21-0.02 1.0
 MORF BZ 5282 4 AMb 1745 51.91 113 1.3
 MESJ BZ 5344 4 EP 1745 53.55 0.04 1.0
 MESJ BZ 5344 4 AMb 1745 57.03 74 2.7
 ALMR BZ 5487 3 EP 1746 3.38-0.02 1.0
 ALMR BZ 5487 3 AMb 1746 5.41 140 1.3

November 18 2013 Hour: 10:20 5.5 Lat: 36.44N Lon: 7.42W Depth: 17F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 171 336 EP 1020 30.44-0.05 1.0
 MESJ HN 171 336 ES 1020 48.80 0.05 1.0
 MESJ HN 171 336 AML 1020 51.67 11 0.2

November 18 2013 Hour: 14: 8 9.1 Lat: 37.32N Lon: 8.53W Depth: 13F Agency: IGL Regional
Magnitudes: 1.1ML 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 11 262 EP 14 8 11.82-0.02 1.0
 MORF HE 11 262 ES 14 8 13.90 0.02 1.0
 MORF HN 11 262 AML 14 8 14.71 61 0.2

November 18 2013 Hour: 15:21 1.4 Lat: 36.82N Lon: 4.19W Depth: 62F 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 374 289 EP 1521 50.28 0.09 1.0
 MESJ HN 374 289 ES 1522 25.72-0.09 1.0
 MESJ HN 374 289 AML 1522 26.76 2 0.4

November 18 2013 Hour: 17:34 17.1 Lat: 38.37N Lon: 8.15W Depth: 5F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
NW VIANA DO ALENTEJO, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 59 186 EP 1734 26.74 0.07 1.0
 MESJ HE 59 186 ES 1734 33.60-0.07 1.0
 MESJ HE 59 186 AML 1734 33.70 11 0.2

November 18 2013 Hour: 22: 3 54.4 Lat: 36.68N Lon: 9.68W Depth: 20F 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 115 53 EP 22 4 12.13-0.11 1.0
 MORF HN 115 53 ES 22 4 25.37 0.09 1.0
 MORF HN 115 53 AML 22 4 27.38 7 0.3
 MESJ HZ 183 45 EP 22 4 20.60-0.01 1.0
 MESJ HN 183 45 ES 22 4 39.77 0.03 1.0
 MESJ HN 183 45 AML 22 4 41.29 1.00 0.1

November 18 2013 Hour: 22:23 28.1 Lat: 30.43S Lon: 179.51W Depth:334F Agency: IGL Distant
Rms: 0.0 secs

KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ18747	38	EPK	pdf		2242	54.54	0.04							1.0
MESJ	BZ18872	42	EPK	pdf		2242	55.18	-0.04							1.0

November 19 2013 Hour: 3:40 44.8 Lat: 37.84N Lon: 9.07W Depth: 6F Agency: IGL Regional
Magnitudes: 2.4ML IGL
Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	70	148	EP		340	56.03	-0.08							1.0
MORF	HE	70	148	ES		341	4.44	0.07							1.0
MORF	HN	70	148	AML		341	7.90			158	0.2				
MESJ	HZ	75	90	EP		340	56.89	-0.02							1.0
MESJ	HE	75	90	ES		341	5.78	0.03							1.0
MESJ	HN	75	90	AML		341	6.97			126	0.2				

November 19 2013 Hour: 13:32 51.5 Lat: 2.69N Lon: 128.46E Depth: 39F Agency: IGL Distant
Magnitudes: 5.7MS IGL
Rms: 0.2 secs

HALMAHERA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13710	320	EPK	pdf		1351	43.79	0.08							1.0
MESJ	BZ13710	320	EPP			1353	23.79	-0.12							1.0
MESJ	BN13710	320	AMS			1440	38.88			1294	25.3				
GGNV	BZ13719	321	EPK	pdf		1351	43.93	0.09							1.0
GGNV	BZ13719	321	EPP			1353	24.29	-0.15							1.0
GGNV	BE13719	321	AMS			1446	12.50			2476	20.0				
MORF	BZ13775	319	EPK	pdf		1351	45.14	0.26							1.0
MORF	BZ13775	319	EPP			1353	27.75	-0.16							1.0
MORF	BZ13775	319	AMS			1450	40.18			1956	19.9				

November 19 2013 Hour: 15:16 48.2 Lat: 8.92N Lon: 138.53E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6MS IGL
Rms: 0.0 secs

STATE OF YAP, MICRONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13789	330	EPP			1537	29.54	0.03							1.0
GGNV	BE13789	330	AMS			1632	55.51			2443	22.7				
MESJ	BZ13810	328	EPP			1537	30.84	-0.03							1.0
MESJ	BE13810	328	ESS			1554	22.90	0.02							1.0
MESJ	BE13810	328	AMS			1624	50.55			1179	21.7				
MORF	BZ13880	328	EPP			1537	35.15	0.02							1.0
MORF	BE13880	328	ESS			1554	30.82	-0.05							1.0
MORF	BE13880	328	AMS			1625	18.03			1524	21.7				

November 19 2013 Hour: 17:0 45.0 Lat: 18.46N Lon: 145.17E Depth:520F Agency: IGL Distant
Rms: 0.1 secs

PAGAN REGION, NORTHERN MARIANA ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13205	336	EPK	pdf		1718	33.75	0.13							1.0
MORF	BZ13276	336	EPK	pdf		1718	34.75	-0.13							1.0

November 20 2013 Hour: 3:10 4.2 Lat: 38.31N Lon: 8.08W Depth: 0 Agency: IGL Regional
Magnitudes: 0.7ML IGL
Rms: 0.0 secs

SW VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	54	193	EP		310	12.90	0.03							1.0
MESJ	HN	54	193	ES		310	19.16	-0.03							1.0
MESJ	HE	54	193	AML		310	20.25			5	0.1				

November 20 2013 Hour: 9:0 14.4 Lat: 36.78N Lon: 8.77W Depth: 32F Agency: IGL Regional
Magnitudes: 1.1ML 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	59	10	EP		9 0	24.60	0.02							1.0
MORF	HN	59	10	ES		9 0	31.80	-0.20							1.0
MORF	HN	59	10	AML		9 0	33.12			7	0.2				
MESJ	HN	127	22	ES		9 0	46.72	0.19							1.0
MESJ	HN	127	22	AML		9 0	48.80			4	0.8				

November 20 2013 Hour: 18:42 32.0 Lat: 36.43N Lon: 9.90W Depth: 29F 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	148	49	EP		1842	53.36	0.07							1.0
MORF	HE	148	49	ES		1843	8.77	-0.06							1.0
MORF	HN	148	49	AML		1843	10.34			6	0.1				
MESJ	HZ	216	43	EP		1843	1.78	0.03							1.0
MESJ	HE	216	43	ES		1843	23.42	-0.04							1.0
MESJ	HN	216	43	AML		1843	25.94			2	0.3				

November 20 2013 Hour: 19:32 41.5 Lat: 37.32N Lon: 8.60W Depth: 12F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	5	251	ES		1932	45.30	0.02							1.0
MORF	HN	5	251	AML		1932	46.08			12	0.1				
MESJ	HZ	67	30	EP		1932	52.46	0.14							1.0
MESJ	HN	67	30	ES		1933	0.03	-0.16							1.0
MESJ	HN	67	30	AML		1933	2.05			2	0.2				

November 21 2013 Hour: 8:37 40.9 Lat: 39.02N Lon: 10.72W Depth: 31F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	255	120	EP		838	14.69	0.13							1.0
MESJ	HN	255	120	ES		838	39.20	0.08							1.0
MESJ	HN	255	120	AML		838	43.20			75	0.2				
MORF	HZ	263	136	EP		838	15.67	0.06							1.0
MORF	HE	263	136	ES		838	40.67	-0.27							1.0
MORF	HN	263	136	AML		838	43.37			217	0.1				

November 21 2013 Hour: 9:53 8.6 Lat: 47.68N Lon: 2.88W Depth: 2F Agency: IGL Regional
Rms: 0.2 secs

FRANCE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	1176	204	EP		955	35.85	-0.16							1.0
MORF	HZ	1245	204	EP		955	44.30	0.18							0.9

November 21 2013 Hour: 19:4 3.4 Lat: 37.38N Lon: 8.52W Depth: 12F Agency: IGL Regional
Magnitudes: 1.0ML 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	14	235	EP		19 4	6.47	-0.01							1.0
MORF	HN	14	235	ES		19 4	8.68	-0.03							1.0
MORF	HN	14	235	AML		19 4	9.89			52	0.2				
MESJ	HZ	58	27	EP		19 4	13.09	0.28							1.0
MESJ	HN	58	27	ES		19 4	19.41	-0.25							1.0
MESJ	HN	58	27	AML		19 4	20.36			7	0.2				

November 22 2013 Hour: 6:51 25.6 Lat: 34.43N Lon: 45.58E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.1 secs

IRAN-IRAQ BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4792	291	EP		659	25.85	0.09							1.0
MESJ	BZ	4792	291	AMb		659	29.62			33	0.9				
MESJ	BN	4792	291	ES		7 5	52.64	-0.03							1.0
MORF	BZ	4842	290	EP		659	29.27	-0.20							1.0
MORF	BZ	4842	290	AMb		659	41.18			60	1.5				
MORF	BN	4842	290	ES		7 5	59.32	-0.07							1.0
GGNV	BZ	4851	292	EP		659	30.18	0.19							1.0
GGNV	BZ	4851	292	AMb		659	34.17			166	0.9				
GGNV	BN	4851	292	ES		7 6	0.37	0.02							1.0

November 22 2013 Hour: 9:24 22.1 Lat: 37.32N Lon: 8.59W Depth: 13F Agency: IGL Regional
Magnitudes: 1.5ML 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		924	24.22	-0.25							1.0
MORF	HN	6	254	ES		924	26.24	0.06							1.0
MORF	HN	6	254	AML		924	27.15			118	0.1				
MESJ	HZ	66	29	EP		924	32.89	0.06							1.0
MESJ	HN	66	29	ES		924	40.80	0.14							1.0
MESJ	HE	66	29	AML		924	41.76			35	0.2				

November 22 2013 Hour: 18:30 57.9 Lat: 34.33N Lon: 45.69E Depth: 14F Agency: IGL Distant
Magnitudes: 5.5MB IGL Rms: 0.2 secs

IRAN-IRAQ BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4805	291	EP		1838	58.38	-0.01							1.0
MESJ	BZ	4805	291	AMb		1839	10.91			105	1.3				
MESJ	BZ	4805	291	EPP		1840	38.96	0.13							1.0
MESJ	BE	4805	291	ES		1845	25.53	-0.09							1.0
MORF	BZ	4855	290	EP		1839	2.08	-0.01							1.0
MORF	BZ	4855	290	AMb		1839	6.88			80	1.6				
MORF	BN	4855	290	ES		1845	31.95	-0.37							0.9
GGNV	BZ	4864	292	EP		1839	2.82	0.19							1.0
GGNV	BZ	4864	292	AMb		1839	8.74			207	1.6				
GGNV	BE	4864	292	ES		1845	33.43	0.11							1.0

November 22 2013 Hour: 22:18 14.7 Lat: 35.24N Lon: 4.15W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	465	301	ES		2220	4.08	0.14							1.0
MORF	HN	465	301	AML		2220	12.62			27	0.3				
MESJ	HE	465	310	ES		2220	3.84	-0.03							1.0
MESJ	HN	465	310	AML		2220	8.68			25	0.5				
MORF	HZ	465	301	EP		2219	17.83	-0.02							1.0
MESJ	HZ	465	310	EP		2219	17.72	-0.09							1.0

November 22 2013 Hour: 23:25 49.0 Lat: 37.32N Lon: 8.62W Depth: 9F Agency: IGL Regional
Magnitudes: 1.0ML 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	241	EP		2325	50.44	-0.16							1.0
MORF	HN	3	241	ES		2325	51.77	-0.02							1.0
MORF	HN	3	241	AML		2325	52.17			252	0.2				
MESJ	HZ	68	31	EP		2326	0.05	0.06							1.0
MESJ	HN	68	31	ES		2326	8.16	0.13							1.0
MESJ	HN	68	31	AML		2326	10.84			3	0.2				

November 22 2013 Hour: 23:55 47.3 Lat: 37.32N Lon: 8.51W Depth: 12F 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	13	263	EP		2355	50.05	-0.08							1.0
MORF	HN	13	263	ES		2355	52.24	0.01							1.0
MORF	HN	13	263	AML		2355	52.83			240	0.3				
MESJ	HZ	63	24	EP		2355	57.58	0.08							1.0

November 23 2013 Hour: 7:48 32.7 Lat: 17.10S Lon: 176.56W Depth: 377F 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	BZ17340	25	EPKpdf			8 7	41.59	0.17							0.9
GGNV	BZ17340	25	EPP			811	49.69	0.01							1.0
GGNV	BN17340	25	ESS			831	6.40	0.03							1.0
MESJ	BZ17465	24	EPKpdf			8 7	42.96	0.05							1.0
MESJ	BZ17465	24	EPP			811	55.88	0.01							1.0
MESJ	BE17465	24	ESS			831	18.35	-0.03							1.0
MORF	BZ17497	26	EPKpdf			8 7	43.42	0.09							1.0
MORF	BZ17497	26	EPP			811	57.29	-0.20							0.9
MORF	BN17497	26	ESS			831	21.35	-0.15							1.0

November 23 2013 Hour: 8:9 24.3 Lat: 35.17N Lon: 4.18W Depth: 1 Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	466	302	ES		811	13.37	-0.20							1.0
MORF	HN	466	302	AML		811	20.90			29	0.3				
MESJ	HZ	468	310	EP		810	27.58	0.02							1.0
MESJ	HN	468	310	ES		811	13.91	0.18							1.0
MESJ	HN	468	310	AML		811	20.01			33	0.4				

November 23 2013 Hour: 12:4 46.2 Lat: 34.31N Lon: 14.71W Depth: 21F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	641	57	EP		12 6	8.53	-0.04							1.0
MORF	HN	641	57	ES		12 7	8.67	-0.01							1.0
MORF	HE	641	57	AML		12 7	11.84			16	0.3				
MESJ	HZ	703	54	EP		12 6	16.28	0.19							1.0
MESJ	HE	703	54	ES		12 7	21.55	-0.14							1.0
MESJ	HN	703	54	AML		12 7	26.11			4	0.3				

November 23 2013 Hour: 15:2 24.0 Lat: 36.25N Lon: 4.51W Depth: 99F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	375	299	EP		15 3	12.72	-0.09							1.0
MESJ	HN	375	299	ES		15 3	48.47	0.00							1.0
MESJ	HN	375	299	AML		15 3	51.66			49	0.1				
MORF	HZ	388	289	EP		15 3	14.39	-0.05							1.0
MORF	HE	388	289	ES		15 3	51.41	0.13							1.0
MORF	HE	388	289	AML		15 3	55.41			66	0.2				

November 23 2013 Hour: 21:25 44.2 Lat: 34.66N Lon: 4.99W Depth: 19F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.2 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	442	313	EP		2126	42.23	-0.37							1.0
MORF	HN	442	313	ES		2127	25.44	0.18							1.0
MORF	HN	442	313	AML		2127	32.31			16	0.3				
MESJ	HZ	457	321	EP		2126	44.47	0.08							1.0

MESJ HE 457 321 ES 2127 28.47 0.11 1.0
 MESJ HE 457 321 AML 2127 32.24 12 0.1

**November 23 2013 Hour: 23:30 42.4 Lat: 36.58N Lon: 86.85E Depth: 7F Agency: IGL Distant
 Magnitudes: 5.6MS IGL Rms: 0.1 secs**

XINJIANG-XIZANG BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8025	304	EP		2342	8.05	0.06							1.0
MESJ	BN	8025	304	ES		2351	31.64	0.03							1.0
MESJ	BZ	8025	304	AMS		2419	37.20		2783	18.8					
GGNV	BZ	8041	305	EP		2342	8.89	0.11							1.0
GGNV	BN	8041	305	AMS		2419	28.87		2541	12.3					
MORF	BE	8089	304	ES		2351	38.10	-0.21							1.0
MORF	BZ	8089	304	AMS		2421	36.26		2677	16.1					

**November 24 2013 Hour: 3:18 38.8 Lat: 38.45N Lon: 8.15W Depth: 6F Agency: IGL Regional
 Magnitudes: 1.2ML IGL Rms: 0.1 secs**

NW VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	68	185	EP		318	49.75	-0.03							1.0
MESJ	HN	68	185	ES		318	57.87	0.05							1.0
MESJ	HN	68	185	AML		318	59.75		6	0.1					
MORF	HZ	134	199	EP		319	0.05	-0.09							1.0
MORF	HE	134	199	ES		319	15.83	0.08							1.0
MORF	HE	134	199	AML		319	18.19		8	0.4					

**November 24 2013 Hour: 8:47 50.6 Lat: 24.47S Lon: 179.26E Depth:531F Agency: IGL Distant
 Rms: 0.0 secs**

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18382	24	EPKPdf			9 6	53.42	0.03							1.0
MORF	BZ18415	26	EPKPdf			9 6	53.67	-0.03							1.0

**November 24 2013 Hour: 18: 5 40.7 Lat: 34.22N Lon: 45.59E Depth: 10F Agency: IGL Distant
 Magnitudes: 4.9MS IGL Rms: 0.1 secs**

IRAN-IRAQ BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4851	290	EP		1813	45.25	0.06							1.0
MORF	BE	4851	290	ES		1820	15.44	-0.17							1.0
MORF	BE	4851	290	AMS		1833	31.46		801	13.3					
GGNV	BZ	4860	292	EP		1813	45.87	0.10							1.0
GGNV	BE	4860	292	AMS		1833	23.22		1819	19.6					

**November 25 2013 Hour: 5:56 50.8 Lat: 45.61N Lon: 150.94E Depth: 40F Agency: IGL Distant
 Magnitudes: 6.5MB IGL Rms: 0.1 secs**

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10606	344	EP			610	10.57	-0.09							1.0
MORF	BZ10606	344	AMb			610	15.70		65	0.3					
MORF	BN10606	344	ESKSac			620	43.52	0.09							1.0

**November 25 2013 Hour: 6:27 34.0 Lat: 53.88S Lon: 54.88W Depth: 10F Agency: IGL Distant
 Magnitudes: 7.0MS IGL Rms: 0.2 secs**

FALKLAND ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ11018	36	EPP			645	18.01	-0.07							1.0
MORF	BN11018	36	ESKSac			651	53.91	-0.05							1.0
MORF	BN11018	36	ESS			659	37.10	-0.07							1.0
MORF	BZ11018	36	AMS			718	19.27		43121	22.5					
GGNV	BZ11140	35	EPP			645	26.56	0.19							1.0
GGNV	BN11140	35	ESKSac			651	59.51	0.26							1.0
GGNV	BE11140	35	ESS			659	52.15	-0.25							1.0
GGNV	BZ11140	35	AMS			735	13.40		58786	20.5					

November 25 2013 Hour: 8:36 51.8 Lat: 36.28N Lon: 7.96W Depth: 29F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	130	332	EP		837	10.82	0.01							1.0

November 25 2013 Hour: 12:32 9.2 Lat: 36.12N Lon: 7.99W Depth: 31F Agency: IGL Regional
Magnitudes: 1.5ML IGL
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	144	336	EP		1232	29.10	-0.04							1.0
MORF	HN	144	336	ES		1232	43.76	0.04							1.0
MORF	HN	144	336	AML		1232	44.76			7	0.2				

November 25 2013 Hour: 19:20 33.9 Lat: 36.10N Lon: 8.16W Depth: 31F Agency: IGL Regional
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	141	342	EP		1920	53.68	0.18							1.0

November 25 2013 Hour: 20: 6 55.2 Lat: 12.64S Lon: 76.15W Depth: 74F Agency: IGL Distant
Magnitudes: 5.4MB IGL
Rms: 0.0 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	8950	48	EP		2018	58.96	0.00							1.0
MORF	BZ	8950	48	AMB		2019	6.50			114	1.6				

November 26 2013 Hour: 1: 9 22.6 Lat: 37.34N Lon: 8.81W Depth: 15F Agency: IGL Regional
Magnitudes: 1.1ML IGL
Rms: 0.1 secs

N ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	105	EP		1	9	25.89	-0.10						1.0
MORF	HN	15	105	ES		1	9	28.58	0.10						1.0
MORF	HN	15	105	AML		1	9	28.89			51	0.3			

November 26 2013 Hour: 4: 8 15.8 Lat: 37.31N Lon: 8.50W Depth: 11F Agency: IGL Regional
Magnitudes: 1.2ML IGL
Rms: 0.1 secs

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	268	EP		4	8	18.58	-0.05						1.0
MORF	HE	13	268	ES		4	8	20.77	0.05						1.0
MORF	HN	13	268	AML		4	8	21.33			72	0.2			

November 26 2013 Hour: 8:46 3.0 Lat: 37.33N Lon: 8.53W Depth: 12F Agency: IGL Regional
Magnitudes: 0.8ML IGL
Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	256	EP		846	5.64	-0.08							1.0
MORF	HN	11	256	ES		846	7.76	0.08							1.0
MORF	HN	11	256	AML		846	8.60				31	0.2			

November 26 2013 Hour: 17:27 24.0 Lat: 37.31N Lon: 8.59W Depth: 15F Agency: IGL Regional
Magnitudes: 0.2ML IGL
Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	266	EP		1727	26.52	-0.07							1.0
MORF	HN	5	266	ES		1727	28.58	0.07							1.0
MORF	HN	5	266	AML		1727	29.55				10	0.1			

November 26 2013 Hour: 20:24 53.8 Lat: 36.88N Lon: 7.03W Depth: 7F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	152	289	EP		2025	17.41	-0.01							1.0
MORF	HN	152	289	ES		2025	34.67	0.01							1.0
MORF	HN	152	289	AML		2025	38.42			13	0.2				

November 27 2013 Hour: 2:19 10.2 Lat: 36.63N Lon: 9.68W Depth: 31F 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	118	50	EP		219	27.05	0.05							1.0
MORF	HN	118	50	ES		219	39.19	-0.05							1.0
MORF	HN	118	50	AML		219	41.40			6	0.2				

November 27 2013 Hour: 4:10 0.4 Lat: 35.31N Lon: 9.35W Depth: 31F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	230	16	EP		410	31.07	-0.02							1.0
MORF	HN	230	16	ES		410	53.49	0.02							1.0
MORF	HN	230	16	AML		410	55.03			20	0.1				

November 27 2013 Hour: 5:45 46.9 Lat: 36.32N Lon: 8.01W Depth: 31F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	123	333	EP		546	4.33	0.00							1.0
MORF	HE	123	333	ES		546	17.02	0.00							1.0
MORF	HE	123	333	AML		546	21.39			21	0.2				

November 27 2013 Hour: 12:46 2.0 Lat: 31.86N Lon: 40.63W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	2981	69	EP		1251	42.38	-0.01							1.0
MORF	BZ	2981	69	AMB		1251	46.32			66	1.6				

November 27 2013 Hour: 16: 5 34.6 Lat: 36.42N Lon: 9.49W Depth: 17F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	124	37	EP		16 5	53.93	0.15							1.0
MORF	HE	124	37	ES		16 6	7.63	-0.15							1.0
MORF	HN	124	37	AML		16 6	9.56			4	0.2				

November 27 2013 Hour: 18: 8 36.0 Lat: 36.59N Lon: 8.20W Depth: 27F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	89	333	EP		18 8	50.03	-0.07							1.0
MORF	HN	89	333	ES		18 9	0.46	0.07							1.0
MORF	HN	89	333	AML		18 9	2.11			5	0.3				

November 27 2013 Hour: 21:49 3.6 Lat: 36.94N Lon: 8.22W Depth: 30F 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	56	317	EP		2149	13.29	0.01							1.0
MORF	HE	56	317	ES		2149	20.34	-0.01							1.0
MORF	HN	56	317	AML		2149	21.96			8	0.3				

November 27 2013 Hour: 21:53 10.2 Lat: 36.33N Lon: 5.22W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	315	303	EP		2153	54.65	-0.06							1.0
MESJ	HN	315	303	ES		2154	27.13	-0.11							1.0
MESJ	HN	315	303	AML		2154	32.20			44	0.5				
MORF	HZ	324	291	EP		2153	55.86	-0.08							1.0
MORF	HN	324	291	ES		2154	29.62	0.26							1.0
MORF	HN	324	291	AML		2154	34.40			49	0.5				

November 28 2013 Hour: 3:37 58.9 Lat: 36.85N Lon: 8.70W Depth: 24F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	51	5	EP		338	7.63	-0.02							1.0
MORF	HN	51	5	ES		338	13.96	-0.10							1.0
MORF	HN	51	5	AML		338	15.32			3	0.3				
MESJ	HN	118	21	ES		338	29.87	0.14							1.0
MESJ	HE	118	21	AML		338	30.73			2	0.5				

November 28 2013 Hour: 13:51 36.4 Lat: 29.36N Lon: 51.31E Depth: 16F Agency: IGL Distant
Magnitudes: 5.1MS IGL Rms: 0.1 secs

SOUTHERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5515	296	EP		14 0	26.79	0.08							1.0
MESJ	BN	5515	296	ES		14 7	34.97	-0.02							1.0
MESJ	BE	5515	296	AMS		1427	54.09			1122	14.1				
MORF	BZ	5562	296	EP		14 0	29.95	-0.03							1.0
MORF	BZ	5562	296	EPP		14 2	25.04	0.10							1.0
MORF	BN	5562	296	ES		14 7	40.83	-0.16							1.0
MORF	BN	5562	296	AMS		1425	21.22			1269	11.7				
GGNV	BN	5580	298	ES		14 7	43.22	0.03							1.0
GGNV	BE	5580	298	AMS		1419	49.99			1635	21.9				

November 29 2013 Hour: 8:29 57.3 Lat: 36.66N Lon: 7.35W Depth: 30F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	152	330	EP		830	19.01	0.04							1.0
MESJ	HE	152	330	ES		830	34.76	-0.04							1.0
MESJ	HE	152	330	AML		830	37.43			6	0.3				

November 29 2013 Hour: 9:38 51.4 Lat: 36.66N Lon: 7.45W Depth: 21F 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	148	333	EP		939	13.21	0.02							1.0
MESJ	HE	148	333	ES		939	29.07	-0.02							1.0
MESJ	HN	148	333	AML		939	31.69			5	0.2				

November 29 2013 Hour: 10:21 40.1 Lat: 36.39N Lon: 11.26W Depth: 31F 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	254	66	EP		1022	13.71	0.05							1.0
MORF	HN	254	66	ES		1022	38.16	-0.02							1.0
MORF	HN	254	66	AML		1022	39.81			21	0.3				
MESJ	HZ	314	58	EP		1022	21.10	-0.04							1.0
MESJ	HN	314	58	ES		1022	51.13	0.01							1.0
MESJ	HN	314	58	AML		1022	55.42			7	0.3				

November 29 2013 Hour: 14:26 59.4 Lat: 36.60N Lon: 9.74W Depth: 7F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	51	EP		1427	19.27	-0.04							1.0
MORF	HN	125	51	ES		1427	34.09	0.27							1.0
MORF	HE	125	51	AML		1427	37.49			10					
MESJ	HZ	193	44	EP		1427	27.95	-0.17							1.0
MESJ	HN	193	44	ES		1427	48.99	-0.07							1.0
MESJ	HN	193	44	AML		1427	51.08			3	0.3				

November 29 2013 Hour: 18:44 44.3 Lat: 36.89N Lon: 8.67W Depth: 26F 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	46	2	EP		18 4	52.49	-0.02							1.0
MORF	HN	46	2	ES		18 4	58.57	0.05							1.0
MORF	HN	46	2	AML		18 4	59.22			9	0.2				
MESJ	HE	113	21	ES		18 5	13.78	-0.03							1.0
MESJ	HN	113	21	AML		18 5	15.60			3	0.4				

November 29 2013 Hour: 18:52 20.4 Lat: 36.88N Lon: 8.67W Depth: 25F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	47	2	EP		18 5	28.83	0.09							1.0
MORF	HN	47	2	ES		18 5	34.88	0.06							1.0
MORF	HN	47	2	AML		18 5	35.93			4	0.1				
MESJ	HE	114	20	ES		18 5	50.12	-0.16							1.0
MESJ	HE	114	20	AML		18 5	51.17			1	0.2				

November 30 2013 Hour: 0:40 39.3 Lat: 36.30N Lon: 9.75W Depth: 24F 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	149	41	EP		041	0.95	-0.01							1.0
MORF	HN	149	41	ES		041	16.70	-0.10							1.0
MORF	HN	149	41	AML		041	18.02			37	0.1				
MESJ	HZ	218	38	EP		041	9.59	0.00							1.0
MESJ	HN	218	38	ES		041	31.86	0.12							1.0
MESJ	HN	218	38	AML		041	34.19			13	0.4				

November 30 2013 Hour: 0:44 31.0 Lat: 36.58N Lon: 9.70W Depth: 25F 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	123	49	EP		044	49.55	0.00							1.0
MORF	HE	123	49	ES		045	3.10	0.04							1.0
MORF	HN	123	49	AML		045	4.36			5	0.1				
MESJ	HE	192	43	ES		045	17.67	-0.04							1.0
MESJ	HE	192	43	AML		045	20.15			2	0.1				

December 1 2013 Hour: 1:24 13.6 Lat: 7.01S Lon: 128.38E Depth: 10F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.1 secs

KEPULAUAN BARAT DAYA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14490	315	EPKpdf			143	23.52	-0.07							1.0
MESJ	BZ14490	315	EPP			145	36.71	0.02							1.0
MESJ	BN14490	315	ESS			2 3	4.33	-0.04							1.0
MESJ	BZ14490	315	AMS			249	50.38			4568	27.4				
GGNV	BZ14517	316	EPKpdf			143	24.07	0.05							1.0
GGNV	BZ14517	316	EPP			145	38.28	0.04							1.0
GGNV	BZ14517	316	AMS			250	18.34			5843	28.1				

MORF BZ14551 314 EPKPdf 143 24.76 0.09 1.0
MORF BZ14551 314 EPP 145 40.21-0.08 1.0
MORF BE14551 314 AMS 248 14.88 4174 16.8

December 1 2013 Hour: 1:38 40.8 Lat: 36.58N Lon: 7.76W 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
MESJ	HZ	146	344	EP		139	2.37	0.04							1.0
MESJ	HN	146	344	ES		139	18.01	-0.04							1.0
MESJ	HN	146	344	AML		139	20.02			4	0.1				

December 1 2013 Hour: 3:19 38.0 Lat: 41.65N Lon: 126.89W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.0 secs

OFF COAST OF NORTHERN CALIFORNIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9239	44	EP		332	4.04	0.00							1.0
MESJ	BZ	9239	44	AMb		332	9.13			40	1.4				
MORF	BZ	9258	45	EP		332	5.00	0.00							1.0
MORF	BZ	9258	45	AMb		332	9.91			56	1.1				

December 1 2013 Hour: 6:29 57.0 Lat: 2.06N Lon: 96.85E Depth: 11F Agency: IGL Distant
Magnitudes: 5.8MS IGL Rms: 0.1 secs

SIMEULUE, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11198	309	EP			647	51.74	0.12							1.0
MESJ	BE11198	309	ESKSac			654	23.85	0.28							1.0
MESJ	BN11198	309	ESS			7 2	19.40	-0.10							1.0
MESJ	BZ11198	309	AMS			731	35.29			2518	14.6				
MORF	BZ11247	308	EP			647	54.87	-0.12							1.0
MORF	BN11247	308	ESKSac			654	25.66	-0.13							1.0
MORF	BN11247	308	ESS			7 2	25.59	-0.09							1.0
MORF	BZ11247	308	AMS			731	33.19			2667	21.1				
GGNV	BZ11259	310	EP			647	55.76	0.04							1.0
GGNV	BZ11259	310	AMS			734	5.44			2672	23.8				

December 1 2013 Hour: 10:1 32.3 Lat: 17.55S Lon: 178.32W Depth: 535F Agency: IGL Distant
Rms: 0.0 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17583	21	EPKPdf			1020	27.22	-0.03							1.0

December 1 2013 Hour: 12:44 3.5 Lat: 36.63N Lon: 7.20W Depth: 19F 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	149	301	EP		1244	25.77	0.02							1.0
MORF	HE	149	301	ES		1244	42.09	0.12							1.0
MORF	HN	149	301	AML		1244	42.97			11	0.1				
MESJ	HZ	162	326	EP		1244	27.09	-0.18							1.0
MESJ	HN	162	326	ES		1244	44.62	0.03							1.0
MESJ	HN	162	326	AML		1244	46.92			3	0.1				

December 1 2013 Hour: 19:50 51.5 Lat: 36.12N Lon: 10.25W Depth: 32F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	194	47	EP		1951	18.33	-0.04							1.0
MORF	HE	194	47	ES		1951	37.99	-0.03							1.0
MORF	HN	194	47	AML		1951	40.01			9	0.1				
MESJ	HZ	263	43	EP		1951	26.77	-0.08							1.0
MESJ	HN	263	43	ES		1951	52.85	0.16							1.0
MESJ	HN	263	43	AML		1951	54.01			3	0.1				

**December 2 2013 Hour: 19:40 19.9 Lat: 36.54N Lon: 9.72W 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	128	48	EP		1940	39.57	-0.07							1.0
MORF	HN	128	48	ES		1940	54.13	0.05							1.0
MORF	HN	128	48	AML		1940	56.81			8	0.1				
MESJ	HZ	196	42	EP		1940	48.06	-0.07							1.0
MESJ	HE	196	42	ES		1941	8.86	0.09							1.0
MESJ	HN	196	42	AML		1941	11.25			1	0.2				

**December 2 2013 Hour: 21:46 0.2 Lat: 37.22N Lon: 9.52W Depth: 22F 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	78	83	EP		2146	12.73	-0.06							1.0
MORF	HN	78	83	ES		2146	21.93	-0.05							1.0
MORF	HN	78	83	AML		2146	24.95			21	0.3				
MESJ	HZ	134	59	EP		2146	20.18	0.00							1.0
MESJ	HN	134	59	ES		2146	34.90	0.12							1.0
MESJ	HN	134	59	AML		2146	35.66			3	0.2				

**December 3 2013 Hour: 2:13 48.7 Lat: 37.36N Lon: 6.77W Depth: 1 Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs**

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	139	293	EP		214	11.03	0.12							1.0
MESJ	HN	139	293	ES		214	27.05	-0.12							1.0
MESJ	HN	139	293	AML		214	29.86			8	0.1				

**December 3 2013 Hour: 8:54 37.7 Lat: 39.14N Lon: 10.27W Depth: 33F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs**

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	230	128	EP		855	9.09	0.06							1.0
MESJ	HN	230	128	ES		855	31.93	0.05							1.0
MESJ	HN	230	128	AML		855	33.68			2	0.3				
MORF	HZ	248	145	EP		855	11.22	-0.11							1.0

**December 3 2013 Hour: 14:41 21.9 Lat: 36.92N Lon: 10.74W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	191	76	EP		1441	50.97	-0.13							1.0
MORF	HN	191	76	ES		1442	12.48	0.09							1.0
MORF	HE	191	76	AML		1442	14.42			14	0.3				
MESJ	HZ	245	65	EP		1441	57.94	0.06							1.0
MESJ	HN	245	65	ES		1442	24.09	-0.03							1.0
MESJ	HN	245	65	AML		1442	25.89			5	0.3				

**December 3 2013 Hour: 22:9 47.6 Lat: 37.29N Lon: 8.57W Depth: 8F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs**

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	284	EP		22	9	49.29	-0.09						1.0
MORF	HN	7	284	ES		22	9	50.81	0.09						1.0
MORF	HN	7	284	AML		22	9	51.32		34	0.3				

**December 4 2013 Hour: 0:50 5.7 Lat: 35.78N Lon: 4.71W Depth: 24F 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
MESJ	HZ	388	307	EP		050	57.01	-0.10							1.0
MESJ	HE	388	307	ES		051	34.71	0.10							1.0
MESJ	HN	388	307	AML		051	35.83			1	0.4				

**December 4 2013 Hour: 6:12 45.5 Lat: 37.14N Lon: 9.50W Depth: 25F 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	78	76	EP		612	57.95	-0.10							1.0
MORF	HN	78	76	ES		613	7.41	0.20							1.0
MORF	HN	78	76	AML		613	9.55			12	0.4				
MESJ	HZ	137	55	EP		613	5.53	-0.17							1.0
MESJ	HN	137	55	ES		613	20.51	0.06							1.0
MESJ	HE	137	55	AML		613	23.07			2	0.4				

**December 4 2013 Hour: 11:10 51.6 Lat: 38.72N Lon: 7.91W Depth: 9F 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		1111	7.82	0.05							1.0
MESJ	HN	101	196	ES		1111	19.55	-0.05							1.0
MESJ	HN	101	196	AML		1111	21.38			4	0.2				

**December 4 2013 Hour: 12:18 41.0 Lat: 36.78N Lon: 9.42W Depth: 22F 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	90	49	EP		1218	55.40	0.10							1.0
MORF	HN	90	49	ES		1219	5.78	0.01							1.0
MORF	HN	90	49	AML		1219	8.38			26	0.2				
MESJ	HZ	159	42	EP		1219	4.02	-0.02							1.0
MESJ	HN	159	42	ES		1219	20.77	-0.10							1.0
MESJ	HN	159	42	AML		1219	22.14			4	0.3				

**December 4 2013 Hour: 21:13 59.4 Lat: 37.07N Lon: 8.95W Depth: 31F 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	37	45	EP		2114	6.00	-0.08							1.0
MORF	HN	37	45	ES		2114	10.85	-0.11							1.0
MORF	HN	37	45	AML		2114	12.75			46	0.2				
MESJ	HZ	107	37	EP		2114	14.70	-0.02							1.0
MESJ	HN	107	37	ES		2114	26.12	0.22							1.0
MESJ	HN	107	37	AML		2114	30.93			3	0.2				

**December 5 2013 Hour: 0:36 1.7 Lat: 36.61N Lon: 9.80W Depth: 31F Agency: IGL Regional
Magnitudes: 2.4ML 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	128	53	EP		036	19.58	-0.15							1.0
MORF	HN	128	53	ES		036	32.92	0.07							1.0
MORF	HN	128	53	AML		036	34.98			104	0.1				
MESJ	HZ	196	45	EP		036	27.89	-0.18							1.0
MESJ	HN	196	45	ES		036	47.54	0.26							1.0
MESJ	HN	196	45	AML		036	48.50			21	0.2				

December 5 2013 Hour: 2:53 23.0 Lat: 36.58N Lon: 7.63W Depth: 22F 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	122	312	EP		253	41.38	-0.13							1.0
MORF	HN	122	312	ES		253	55.13	0.12							1.0
MORF	HN	122	312	AML		253	56.76			17	0.1				
MESJ	HZ	149	340	EP		253	45.00	0.08							1.0
MESJ	HN	149	340	ES		254	0.84	-0.07							1.0
MESJ	HN	149	340	AML		254	4.16			7	0.1				

December 5 2013 Hour: 5:17 45.8 Lat: 37.38N Lon: 8.52W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	235	EP		517	48.96	0.00							1.0
MORF	HE	14	235	ES		517	51.21	-0.05							1.0
MORF	HN	14	235	AML		517	51.66			35	0.1				
MESJ	HZ	58	27	EP		517	55.34	0.15							1.0
MESJ	HN	58	27	ES		518	1.95	-0.10							1.0
MESJ	HE	58	27	AML		518	3.19			4	0.1				

December 5 2013 Hour: 6: 8 27.0 Lat: 37.33N Lon: 8.50W Depth: 13F Agency: IGL Regional
Magnitudes: 0.6ML 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		6 8	29.98	-0.10							1.0
MORF	HN	14	259	ES		6 8	32.41	0.08							1.0
MORF	HN	14	259	AML		6 8	32.97			30	0.3				
MESJ	HZ	62	24	EP		6 8	37.03	0.01							1.0
MESJ	HN	62	24	ES		6 8	44.36	0.01							1.0
MESJ	HN	62	24	AML		6 8	45.67			2	0.1				

December 5 2013 Hour: 15:47 9.2 Lat: 36.50N Lon: 4.45W Depth: 86F Agency: IGL Regional
Magnitudes: 3.7ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	366	295	EP		1547	57.15	0.22							1.0
MESJ	HN	366	295	ES		1548	31.57	-0.22							1.0
MESJ	HN	366	295	AML		1548	34.78			185	0.3				
MORF	HZ	385	285	EP		1547	59.36	0.20							1.0
MORF	HE	385	285	ES		1548	35.46	-0.19							1.0
MORF	HN	385	285	AML		1548	37.64			204	0.2				

December 6 2013 Hour: 6:19 18.4 Lat: 36.66N Lon: 7.45W Depth: 15F 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	148	333	EP		619	40.83	0.14							1.0
MESJ	HN	148	333	ES		619	56.84	-0.14							1.0
MESJ	HN	148	333	AML		619	58.39			2	0.1				

December 6 2013 Hour: 12:55 20.9 Lat: 37.34N Lon: 8.50W Depth: 12F Agency: IGL Regional
Magnitudes: 1.1ML 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	14	254	EP		1255	23.96	-0.01							1.0
MORF	HN	14	254	ES		1255	26.18	0.01							1.0
MORF	HN	14	254	AML		1255	26.84			63	0.2				

December 7 2013 Hour: 5:028.9 Lat: 37.11N Lon: 8.59W Depth: 17F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	22	346	EP		5	0	33.42	0.03						1.0
MORF	HN	22	346	ES		5	0	36.59	-0.10						1.0
MORF	HN	22	346	AML		5	0	37.31		15	0.2				
MESJ	HN	87	22	ES		5	0	53.08	0.08						1.0
MESJ	HN	87	22	AML		5	0	54.45		1	0.2				

December 7 2013 Hour: 5:4347.6 Lat: 36.90N Lon: 7.94W Depth: 32F 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	78	306	EP		543	59.96	-0.02							1.0
MORF	HE	78	306	ES		544	9.04	-0.01							1.0
MORF	HN	78	306	AML		544	10.30			7	0.0				
MESJ	HN	107	347	ES		544	15.38	0.04							1.0
MESJ	HN	107	347	AML		544	17.72			10	0.2				

December 7 2013 Hour: 7:3626.8 Lat: 56.80N Lon: 155.15W Depth: 43F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.1 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9069	26	EP		748	40.06	0.10							1.0
MESJ	BZ	9069	26	AMb		748	57.30			54	1.0				
MORF	BZ	9114	26	EP		748	42.03	-0.10							1.0
MORF	BZ	9114	26	AMb		748	59.20			112	2.0				

December 7 2013 Hour: 8:126.5 Lat: 36.89N Lon: 12.38W 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
MORF	HZ	335	81	EP		8	2	13.52	-0.03						1.0
MORF	HE	335	81	ES		8	2	47.92	0.03						1.0
MORF	HN	335	81	AML		8	2	52.70		7	0.5				
MESJ	HZ	383	73	EP		8	2	19.50	-0.04						1.0
MESJ	HE	383	73	ES		8	2	58.31	0.05						1.0
MESJ	HE	383	73	AML		8	3	1.71		2	0.2				

December 7 2013 Hour: 16:447.9 Lat: 55.19N Lon: 157.84W Depth: 13F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.1 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9303	24	EP		1656	36.07	-0.09							1.0
MESJ	BZ	9303	24	AMb		1656	50.51			39	1.3				
MORF	BZ	9348	24	EP		1656	38.39	0.09							1.0
MORF	BZ	9348	24	AMb		1656	40.56			90	1.8				

December 7 2013 Hour: 21:030.6 Lat: 36.60N Lon: 13.01W Depth: 1 Agency: IGL Regional
Magnitudes: 1.7ML 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	396	77	EP		21	1	25.36	0.22						1.0
MORF	HN	396	77	ES		21	2	4.80	-0.12						1.0
MORF	HN	396	77	AML		21	2	8.91		3	0.2				
MESJ	HZ	446	71	EP		21	1	31.47	0.12						1.0
MESJ	HN	446	71	ES		21	2	15.44	-0.22						1.0
MESJ	HN	446	71	AML		21	2	18.16		1	0.4				

December 8 2013 Hour: 7:39 37.5 Lat: 36.70N Lon: 7.27W Depth: 21F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	140	299	EP		739	58.44	0.00							1.0
MORF	HN	140	299	ES		740	13.66	-0.02							1.0
MORF	HN	140	299	AML		740	14.77			2	0.2				
MESJ	HZ	152	327	EP		739	59.98	0.10							1.0
MESJ	HN	152	327	ES		740	16.09	-0.08							1.0
MESJ	HN	152	327	AML		740	17.43			3	0.3				

December 8 2013 Hour: 8:15 8.0 Lat: 36.61N Lon: 9.85W Depth: 10F 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	132	54	EP		815	28.82	0.07							1.0
MORF	HE	132	54	ES		815	43.86	-0.06							1.0
MORF	HN	132	54	AML		815	44.89			4	0.2				
MESJ	HZ	199	46	EP		815	37.07	-0.05							1.0
MESJ	HE	199	46	ES		815	58.43	0.04							1.0
MESJ	HN	199	46	AML		816	0.04			0.70	0.4				

December 8 2013 Hour: 8:58 14.4 Lat: 42.65N Lon: 9.30W Depth: 13F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	542	170	EP		859	25.50	0.01							1.0
MORF	HZ	596	174	EP		859	32.06	0.00							1.0
MORF	HN	596	174	ES		9 0	28.74	0.00							1.0
MORF	HN	596	174	AML		9 0	31.93			4	0.2				

December 8 2013 Hour: 12: 9 21.5 Lat: 38.38N Lon: 17.91W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML 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	823	95	EP		1211	7.51	-0.16							1.0
MORF	HE	823	95	ES		1212	25.15	-0.02							1.0
MORF	HN	823	95	AML		1212	31.80			11	0.1				
MESJ	HZ	852	91	EP		1211	10.87	-0.09							1.0
MESJ	HN	852	91	ES		1212	31.14	0.28							1.0
MESJ	HE	852	91	AML		1212	35.63			6	0.3				

December 8 2013 Hour: 12:16 14.9 Lat: 36.01N Lon: 10.44W Depth: 32F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	215	48	EP		1216	44.52	0.15							1.0
MORF	HN	215	48	ES		1217	5.73	-0.18							1.0
MORF	HN	215	48	AML		1217	8.45			4	0.2				
MESJ	HZ	283	44	EP		1216	52.90	0.07							1.0
MESJ	HN	283	44	ES		1217	20.50	-0.04							1.0
MESJ	HN	283	44	AML		1217	21.87			2	0.2				

December 8 2013 Hour: 17:24 54.0 Lat: 44.51N Lon: 149.07E Depth: 25F Agency: IGL Distant
Magnitudes: 6.4MS 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
GGNV	BN10542	343	ESKSac			1748	47.11	-0.02							1.0
GGNV	BN10542	343	AMS			1826	35.53			11372	16.8				
MESJ	BN10613	342	ESKSac			1748	50.56	-0.07							1.0
MESJ	BZ10613	342	AMS			1828	34.44			12110	21.6				
MORF	BN10681	342	ESKSac			1748	53.85	-0.08							1.0
MORF	BZ10681	342	AMS			1828	27.50			11495	20.2				

December 8 2013 Hour: 18:57 25.9 Lat: 42.52N Lon: 8.58W Depth: 23F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	521	177	EP		1858	33.81	0.01							1.0
MORF	HZ	579	181	EP		1858	40.88	-0.01							1.0

December 9 2013 Hour: 0:3 21.3 Lat: 15.60S Lon: 173.52W Depth: 100F Agency: IGL Distant
Rms: 0.1 secs

TONGA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17175	28	EP	KPdf		023	0.84	0.12							1.0
MORF	BZ17201	29	EP	KPdf		023	0.98	-0.12							1.0

December 9 2013 Hour: 2:11 53.4 Lat: 36.90N Lon: 8.60W Depth: 28F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	45	354	EP		212	1.67	0.08							1.0
MORF	HE	45	354	ES		212	7.52	-0.08							1.0
MORF	HE	45	354	AML		212	7.99			5	0.2				

December 9 2013 Hour: 3:39 42.1 Lat: 37.67N Lon: 9.01W Depth: 40F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

NW ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	51	142	EP		339	51.63	0.00							1.0
MORF	HE	51	142	ES		339	58.57	0.00							1.0
MORF	HE	51	142	AML		339	59.05			7	0.1				

December 9 2013 Hour: 8:47 26.6 Lat: 2.71N Lon: 128.36E Depth: 52F Agency: IGL Distant
Rms: 0.0 secs

HALMAHERA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13701	320	EP	KPdf		9 6	16.98	0.01							1.0
MORF	BZ13766	319	EP	KPdf		9 6	18.14	-0.01							1.0

December 9 2013 Hour: 18:27 53.2 Lat: 37.34N Lon: 8.46W Depth: 13F Agency: IGL Regional
Magnitudes: 1.0ML 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	17	258	EP		1827	56.75	-0.02							1.0
MORF	HN	17	258	ES		1827	59.36	0.02							1.0
MORF	HN	17	258	AML		1828	0.35			35	0.2				

December 9 2013 Hour: 18:45 44.7 Lat: 37.18N Lon: 7.51W Depth: 16F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

SW CASTRO MARIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	96	320	EP		1846	0.04	0.03							1.0
MESJ	HE	96	320	ES		1846	11.12	-0.07							1.0
MESJ	HN	96	320	AML		1846	13.77			220	0.2				
MORF	HZ	102	278	EP		1846	0.79	-0.11							1.0
MORF	HN	102	278	ES		1846	12.87	0.15							1.0
MORF	HN	102	278	AML		1846	15.20			703	0.3				

December 10 2013 Hour: 9:40 20.0 Lat: 36.45N Lon: 7.28W Depth: 31F Agency: IGL Regional
Magnitudes: 2.0ML 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	175	332	EP		940	43.81	-0.03							1.0
MESJ	HN	175	332	ES		941	1.24	0.03							1.0
MESJ	HN	175	332	AML		941	3.42			15	0.2				

December 10 2013 Hour: 12:21 36.5 Lat: 35.82N Lon: 4.75W Depth: 10F 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	382	307	EP		1222	28.50	0.06							1.0
MESJ	HN	382	307	ES		1223	6.28	-0.06							1.0
MESJ	HN	382	307	AML		1223	9.20			7	0.2				

December 10 2013 Hour: 20: 4 4.8 Lat: 37.24N Lon: 8.34W Depth: 23F Agency: IGL Regional
Magnitudes: 1.7ML 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	HE	29	285	ES		20 4	14.40	0.02							1.0
MORF	HN	29	285	AML		20 4	15.32			101	0.2				
MESJ	HZ	67	9	EP		20 4	15.89	0.07							1.0
MESJ	HN	67	9	ES		20 4	23.77	-0.09							1.0
MESJ	HN	67	9	AML		20 4	25.28			28	0.2				

December 11 2013 Hour: 0: 4 2.5 Lat: 38.11N Lon: 8.62W Depth: 0 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.2 secs

SW GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	46	130	EP		0 4	10.12	0.20							1.0
MESJ	HE	46	130	ES		0 4	15.17	-0.20							1.0
MESJ	HE	46	130	AML		0 4	15.49			286	0.1				

December 11 2013 Hour: 17:10 25.7 Lat: 37.00N Lon: 12.68W Depth: 24F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	360	83	EP		1711	13.63	-0.01							1.0
MORF	HE	360	83	ES		1711	48.65	0.01							1.0
MORF	HE	360	83	AML		1711	50.57			7	0.2				
MESJ	HZ	406	75	EP		1711	19.27	-0.05							1.0
MESJ	HN	406	75	ES		1711	58.51	0.05							1.0
MESJ	HN	406	75	AML		1712	0.66			4	0.2				

December 11 2013 Hour: 22:17 39.2 Lat: 37.30N Lon: 8.50W Depth: 8F Agency: IGL Regional
Magnitudes: 1.1ML 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	13	273	EP		2217	41.64	-0.08							1.0
MORF	HN	13	273	ES		2217	43.63	0.04							1.0
MORF	HN	13	273	AML		2217	44.48			107	0.1				
MESJ	HN	65	22	ES		2217	57.43	0.05							1.0
MESJ	HN	65	22	AML		2217	59.43			7	0.2				

December 12 2013 Hour: 0:41 48.2 Lat: 34.48N Lon: 5.49W Depth: 9F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	446	327	EP		042	48.15	-0.01							1.0
MESJ	HE	446	327	ES		043	31.91	0.01							1.0
MESJ	HN	446	327	AML		043	35.82			10	0.3				

December 12 2013 Hour: 1: 3 54.8 Lat: 34.53N Lon: 5.61W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	413	319	EP		1 4	51.37	-0.13							1.0
MESJ	HZ	436	328	EP		1 4	54.35	0.02							1.0
MESJ	HE	436	328	ES		1 5	37.92	0.11							1.0
MESJ	HN	436	328	AML		1 5	42.15			26	0.5				

December 13 2013 Hour: 4:45 11.2 Lat: 13.13N Lon: 89.12W Depth: 64F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.1 secs

OFFSHORE EL SALVADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8307	55	EP		456	44.00	0.11							1.0
MORF	BZ	8307	55	AMB		456	52.17			49	1.7				

December 13 2013 Hour: 7:17 1.0 Lat: 36.80N Lon: 7.53W Depth: 26F 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
MORF	HZ	114	300	EP		717	18.29	0.01							1.0
MORF	HE	114	300	ES		717	30.94	0.01							1.0
MORF	HN	114	300	AML		717	32.28			7	0.2				
MESJ	HZ	131	332	EP		717	20.23	-0.02							1.0
MESJ	HE	131	332	ES		717	34.33	-0.01							1.0
MESJ	HN	131	332	AML		717	36.57			6	0.2				

December 13 2013 Hour: 14:54 3.2 Lat: 35.29N Lon: 6.38W Depth: 31F Agency: IGL Regional
Magnitudes: 2.9ML 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	303	318	EP		1454	42.84	-0.03							1.0
MORF	HN	303	318	ES		1455	11.97	0.15							1.0
MORF	HN	303	318	AML		1455	16.77			57	0.3				
MESJ	HZ	327	330	EP		1454	45.92	0.03							1.0
MESJ	HE	327	330	ES		1455	16.89	-0.16							1.0
MESJ	HN	327	330	AML		1455	21.97			43	0.4				

December 14 2013 Hour: 0:26 50.7 Lat: 37.08N Lon: 8.40W Depth: 12F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	34	319	EP		026	56.42	-0.04							1.0
MORF	HN	34	319	ES		027	0.71	0.03							1.0
MORF	HE	34	319	AML		027	1.91			5	0.1				
MESJ	HN	86	11	ES		027	14.35	0.01							1.0
MESJ	HN	86	11	AML		027	16.44			4	0.2				

December 15 2013 Hour: 22:49 44.3 Lat: 36.72N Lon: 7.41W Depth: 29F 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	HN	144	330	ES		2250	20.09	0.00							1.0
MESJ	HN	144	330	AML		2250	22.15			5	0.3				
MESJ	HZ	144	330	EP		2250	4.97	0.00							1.0

December 16 2013 Hour: 7:6 24.1 Lat: 35.56N Lon: 6.95W Depth: 31F Agency: IGL Regional
Magnitudes: 5.0ML 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	247	322	EP		7 6	56.34	-0.40							1.0
MORF	HE	247	322	ES		7 7	20.68	0.09							1.0
MORF	HE	247	322	AML		7 7	27.80			7830	0.1				
MESJ	HZ	277	336	EP		7 7	0.47	-0.04							1.0
MESJ	HE	277	336	ES		7 7	27.22	0.09							1.0
MESJ	HN	277	336	AML		7 7	30.82			6799	0.3				
GGNV	HZ	401	332	EP		7 7	15.91	0.13							0.9
GGNV	HN	401	332	ES		7 7	53.70	0.17							0.9
GGNV	HE	401	332	AML		7 7	56.58			5886	0.4				

December 16 2013 Hour: 19:16 17.2 Lat: 37.18N Lon: 7.82W Depth: 11F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NE 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	75	281	EP		1916	29.36	0.03							1.0
MORF	HN	75	281	ES		1916	38.28	0.10							1.0
MORF	HE	75	281	AML		1916	39.98			18	0.1				
MESJ	HZ	81	334	EP		1916	30.16	-0.10							1.0
MESJ	HE	81	334	ES		1916	39.75	-0.04							1.0
MESJ	HN	81	334	AML		1916	42.40			9	0.1				

December 16 2013 Hour: 23: 0 32.7 Lat: 35.56N Lon: 6.91W Depth: 32F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	249	322	EP		23 1	6.43	0.03							1.0
MESJ	HZ	279	336	EP		23 1	10.09	0.01							1.0
MESJ	HN	279	336	ES		23 1	37.33	-0.03							1.0
MESJ	HN	279	336	AML		23 1	41.84			4	0.4				

December 17 2013 Hour: 12:30 0.8 Lat: 25.71S Lon: 70.47W Depth: 66F Agency: IGL Distant
Magnitudes: 5.4MB 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	9506	45	EP		1242	31.24	-0.07							1.0
MORF	BZ	9506	45	AMb		1242	35.14			123	2.0				
MESJ	BZ	9572	45	EP		1242	34.26	0.07							1.0
MESJ	BZ	9572	45	AMb		1242	37.26			96	1.6				

December 17 2013 Hour: 13:49 34.3 Lat: 75.91N Lon: 7.06E Depth: 2F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.1 secs

GREENLAND SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4368	200	EP		1357	4.67	0.10							1.0
MORF	BZ	4368	200	AMb		1357	5.45			56	1.8				

December 17 2013 Hour: 17: 2 0.4 Lat: 20.80S Lon: 178.67W Depth: 584F 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	BZ17927	24	EPKpdf			1720	53.98	0.05							1.0
MORF	BZ17960	26	EPKpdf			1720	54.24	-0.05							1.0

December 17 2013 Hour: 17:19 16.3 Lat: 35.60N Lon: 6.89W Depth: 30F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	247	321	EP		1719	49.48	-0.27							1.0
MORF	HN	247	321	ES		1720	14.36	0.18							1.0
MORF	HN	247	321	AML		1720	18.45			6	0.3				
MESJ	HZ	275	335	EP		1719	53.35	0.03							1.0
MESJ	HN	275	335	ES		1720	20.42	0.07							1.0
MESJ	HN	275	335	AML		1720	23.89			3	0.1				

December 17 2013 Hour: 23:38 8.0 Lat: 20.76N Lon: 146.76E Depth: 16F Agency: IGL Distant
Magnitudes: 6.2MS IGL Rms: 0.0 secs

MARIANA ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13035	338	EPP			2358	2.29	0.03							1.0
MESJ	BN13035	338	ESS			2414	12.20	0.04							1.0
MESJ	BZ13035	338	AMS			2458	58.14			5308	17.4				
MORF	BZ13104	338	EPP			2358	6.65	-0.04							1.0
MORF	BN13104	338	ESS			2414	20.38	-0.04							1.0

MORF BZ13104 338 AMS 25 3 32.11 3510 14.4

**December 18 2013 Hour: 3:4 1.0 Lat: 37.30N Lon: 8.57W Depth: 11F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs**

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	276	EP		3 4	3.07	-0.08							1.0
MORF	HN	7	276	ES		3 4	4.81	0.05							1.0
MORF	HN	7	276	AML		3 4	5.17			17	0.1				
MESJ	HN	67	27	ES		3 4	19.92	0.03							1.0
MESJ	HN	67	27	AML		3 4	21.61			1.00	0.2				

**December 18 2013 Hour: 5:45 23.7 Lat: 38.08N Lon: 8.67W Depth: 18F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs**

SE MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	48	124	EP		545	31.52	-0.18							1.0
MESJ	HE	48	124	ES		545	37.66	0.08							1.0
MESJ	HE	48	124	AML		545	38.99			135	0.1				
MORF	HZ	86	179	EP		545	37.40	-0.01							1.0
MORF	HE	86	179	ES		545	47.57	0.11							1.0
MORF	HN	86	179	AML		545	48.63			283	0.2				

**December 18 2013 Hour: 8:22 10.6 Lat: 79.25N Lon: 11.49E Depth: 10F Agency: IGL Distant
Magnitudes: 4.9MB IGL Rms: 0.0 secs**

GREENLAND SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4691	203	EP		830	3.59	0.01							1.0
MESJ	BZ	4691	203	AMB		830	7.10			39	2.0				
MORF	BZ	4753	204	EP		830	8.19	-0.01							1.0
MORF	BZ	4753	204	AMB		830	10.81			50	1.9				

**December 18 2013 Hour: 18:52 22.0 Lat: 36.27N Lon: 9.36W Depth: 8F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	131	29	EP		1852	42.83	0.00							1.0
MORF	HE	131	29	ES		1852	58.04	0.02							1.0
MORF	HN	131	29	AML		1852	59.37			35	0.2				
MESJ	HZ	202	30	EP		1852	51.68	-0.02							1.0
MESJ	HN	202	30	ES		1853	13.37	0.00							1.0
MESJ	HN	202	30	AML		1853	15.08			15	0.1				

**December 18 2013 Hour: 21:56 32.4 Lat: 36.53N Lon: 9.81W Depth: 16F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	135	50	EP		2156	52.96	-0.01							1.0
MORF	HE	135	50	ES		2157	8.06	0.03							1.0
MORF	HN	135	50	AML		2157	11.96			18	0.4				
MESJ	HZ	203	44	EP		2157	1.36	-0.04							1.0
MESJ	HE	203	44	ES		2157	22.64	0.03							1.0
MESJ	HE	203	44	AML		2157	25.10			5	0.1				

**December 19 2013 Hour: 1:50 55.8 Lat: 36.42N Lon: 5.93W Depth: 30F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	257	308	EP		151	30.70	0.14							1.0
MESJ	HN	257	308	ES		151	55.91	-0.04							1.0
MESJ	HE	257	308	AML		151	57.97			4	0.2				
MORF	HZ	262	293	EP		151	30.90	-0.23							1.0
MORF	HN	262	293	ES		151	57.07	0.13							1.0
MORF	HE	262	293	AML		151	58.72			4	0.2				

December 19 2013 Hour: 4:21 15.1 Lat: 36.52N Lon: 7.72W Depth: 30F 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	120	317	EP		421	32.75	-0.18							1.0
MORF	HE	120	317	ES		421	45.94	0.02							1.0
MORF	HN	120	317	AML		421	52.11		58	0.4					
MESJ	HZ	153	343	EP		421	37.08	0.13							1.0
MESJ	HE	153	343	ES		421	52.92	0.04							1.0
MESJ	HN	153	343	AML		421	55.15		29	0.1					

December 21 2013 Hour: 10:53 25.3 Lat: 37.30N Lon: 8.57W Depth: 9F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 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	276	EP		1053	27.11	-0.09							1.0
MORF	HN	7	276	ES		1053	28.70	0.09							1.0
MORF	HN	7	276	AML		1053	29.41		81	0.1					

December 21 2013 Hour: 21:30 23.8 Lat: 36.10N Lon: 10.44W Depth: 31F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	209	50	EP		2130	51.66	-0.11							1.0
MORF	HN	209	50	ES		2131	12.29	0.11							1.0
MORF	HN	209	50	AML		2131	13.57		9	0.2					

December 22 2013 Hour: 3:17 6.3 Lat: 37.15N Lon: 8.38W Depth: 11F Agency: IGL Regional
Magnitudes: 0.7ML 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	30	306	EP		317	11.41	-0.01							1.0
MORF	HN	30	306	ES		317	15.17	0.01							1.0
MORF	HN	30	306	AML		317	16.03		11	0.3					

December 22 2013 Hour: 3:26 15.1 Lat: 35.36N Lon: 4.66W Depth: 20F Agency: IGL Regional
Magnitudes: 3.0ML 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	418	302	EP		327	10.70	0.05							1.0
MORF	HN	418	302	ES		327	51.12	-0.05							1.0
MORF	HN	418	302	AML		327	54.84		35	0.2					

December 23 2013 Hour: 6:12 49.5 Lat: 35.55N Lon: 4.36W Depth: 12F Agency: IGL Regional
Magnitudes: 3.6ML 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	431	298	EP		613	47.23	-0.07							1.0
MORF	HN	431	298	ES		614	29.56	0.07							1.0
MORF	HN	431	298	AML		614	33.73		141	0.4					

December 23 2013 Hour: 9: 5 33.5 Lat: 36.48N Lon: 9.45W Depth: 5F 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	116	38	EP		9 5	52.17	-0.01							1.0
MORF	HE	116	38	ES		9 6	5.83	0.01							1.0
MORF	HN	116	38	AML		9 6	9.06		22	0.2					

December 23 2013 Hour: 9:12 28.8 Lat: 12.76N Lon: 143.03E Depth:103F Agency: IGL Distant
Rms: 0.1 secs

GUAM REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	13750	333	EPK	Pdf	931	13.76	-0.07							1.0

December 23 2013 Hour: 12:37 45.2 Lat: 37.35N Lon: 8.50W Depth: 15F Agency: IGL Regional
Magnitudes: 1.3ML 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	14	250	EP		1237	48.50	-0.05							1.0
MORF	HE	14	250	ES		1237	51.06	0.05							1.0
MORF	HN	14	250	AML		1237	51.53		76	0.3					

December 23 2013 Hour: 15: 7 53.7 Lat: 36.37N Lon: 7.45W Depth: 10F Agency: IGL Regional
Magnitudes: 2.6ML 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	149	314	EP		15	8	16.55	-0.20						1.0
MORF	HN	149	314	ES		15	8	33.75	0.20						1.0
MORF	HN	149	314	AML		15	8	38.49		69	0.4				

December 23 2013 Hour: 16:45 50.3 Lat: 25.72N Lon: 66.59W Depth: 4F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5567	62	EP		1654	46.08	0.01							1.0
MORF	BZ	5567	62	AMB		1654	54.54			68	2.4				
MORF	BN	5567	62	ES		17	1	58.67	-0.01						1.0

December 23 2013 Hour: 19:38 14.4 Lat: 37.30N Lon: 8.58W Depth: 16F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	276	EP		1938	17.25	0.01							1.0
MORF	HN	6	276	ES		1938	19.28	-0.01							1.0
MORF	HE	6	276	AML		1938	20.23			25	0.1				

December 23 2013 Hour: 20: 4 50.5 Lat: 35.66N Lon: 12.69W Depth: 0 Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	405	62	EP		20	5	46.26	0.00						1.0
MORF	HE	405	62	ES		20	6	26.95	0.00						1.0
MORF	HN	405	62	AML		20	6	32.35		6	0.3				

December 24 2013 Hour: 17:42 17.3 Lat: 36.61N Lon: 9.61W Depth: 20F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	48	EP		1742	35.19	-0.01							1.0
MORF	HN	115	48	ES		1742	48.27	0.01							1.0
MORF	HN	115	48	AML		1742	49.32			28	0.1				

December 25 2013 Hour: 23:19 19.5 Lat: 37.62N Lon: 9.32W Depth: 0 Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	69	120	EP		2319	30.80	0.23							1.0
MORF	HE	69	120	ES		2319	38.43	-0.23							1.0
MORF	HN	69	120	AML		2319	40.33			26	0.3				

December 26 2013 Hour: 11:49 56.1 Lat: 35.74N Lon: 4.68W Depth: 1 Agency: IGL Regional
Magnitudes: 2.2ML 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	HE	396	297	ES		1151	30.31	-0.04							1.0
MORF	HN	396	297	AML		1151	31.49			7	0.2				
MORF	HZ	396	297	EP		1150	50.61	0.04							1.0

December 27 2013 Hour: 4:49 43.1 Lat: 36.59N Lon: 9.63W Depth: 29F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	47	EP		450	0.77	0.08							1.0
MORF	HN	118	47	ES		450	13.43	-0.08							1.0
MORF	HN	118	47	AML		450	16.08			5	0.2				

December 28 2013 Hour: 0:34 31.7 Lat: 36.56N Lon: 7.68W Depth: 32F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	120	314	EP		034	49.26	-0.05							1.0
MORF	HN	120	314	ES		035	2.24	0.05							1.0
MORF	HN	120	314	AML		035	5.27			15	0.1				

December 28 2013 Hour: 0:50 19.8 Lat: 36.78N Lon: 12.36W 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	335	79	EP		051	6.85	-0.06							1.0
MORF	HN	335	79	ES		051	41.39	0.06							1.0
MORF	HN	335	79	AML		051	45.10			10	0.3				

December 28 2013 Hour: 15:21 5.6 Lat: 35.98N Lon: 31.34E Depth: 51F Agency: IGL Distant
Magnitudes: 5.1MS IGL Rms: 0.1 secs

WESTERN TURKEY Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BN	3553	284	ES		1532	35.12	-0.10							1.0
MORF	BN	3553	284	AMS		1544	11.03			2308	16.0				
GGNV	BZ	3572	287	EP		1527	28.07	0.01							1.0
GGNV	BN	3572	287	ES		1532	37.79	0.09							1.0
GGNV	BN	3572	287	AMS		1543	8.92			3816	14.9				

December 29 2013 Hour: 3:50 42.0 Lat: 37.98N Lon: 7.58W Depth: 1F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NE SERPA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	232	EP		351	1.55	0.10							1.0

December 29 2013 Hour: 9:18 18.3 Lat: 36.91N Lon: 5.49W Depth: 4F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.2 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	284	280	EP		918	58.54	-0.22							1.0

December 29 2013 Hour: 12:54 3.9 Lat: 37.44N Lon: 9.04W Depth: 29F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	38	113	EP		1254	11.30	0.08							1.0
MORF	HN	38	113	ES		1254	16.49	-0.08							1.0
MORF	HN	38	113	AML		1254	17.13			70	0.1				

December 29 2013 Hour: 21:46 21.8 Lat: 36.73N Lon: 4.14W Depth: 31F Agency: IGL Regional
Magnitudes: 3.8ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	406	280	EP		2147	14.23	-0.03							1.0
MORF	HN	406	280	ES		2147	52.56	0.03							1.0
MORF	HN	406	280	AML		2147	57.26			271	0.2				

December 29 2013 Hour: 23:10 16.8 Lat: 36.66N Lon: 8.41W Depth: 31F 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	75	343	EP		2310	28.08	-0.03							1.0
MORF	HN	75	343	ES		2310	36.42	0.03							1.0
MORF	HE	75	343	AML		2310	38.89			13	0.3				

December 30 2013 Hour: 2:41 23.7 Lat: 36.24N Lon: 9.95W Depth: 28F 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	166	44	EP		241	47.21	-0.06							1.0
MORF	HN	166	44	ES		242	4.52	0.06							1.0
MORF	HN	166	44	AML		242	5.49			15	0.2				

December 30 2013 Hour: 6:9 27.1 Lat: 36.63N Lon: 9.73W Depth: 19F 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	122	52	EP		6 9	45.97	0.03							1.0
MORF	HN	122	52	ES		6 9	59.63	-0.03							1.0
MORF	HN	122	52	AML		610	0.81			64	0.1				

December 30 2013 Hour: 13:50 21.5 Lat: 36.64N Lon: 9.72W Depth: 24F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	52	EP		1350	39.64	-0.05							1.0
MORF	HN	121	52	ES		1350	53.03	0.05							1.0
MORF	HN	121	52	AML		1350	55.65			13	0.3				

December 31 2013 Hour: 3:45 45.6 Lat: 35.72N Lon: 10.32W Depth: 31F 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	231	40	EP		346	16.38	0.00							1.0
MORF	HE	231	40	ES		346	38.82	0.00							1.0
MORF	HN	231	40	AML		346	40.50			10	0.2				

December 31 2013 Hour: 15:2 4.0 Lat: 36.87N Lon: 8.78W Depth: 8F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	50	13	EP		15 2	12.16	0.00							1.0
MORF	HE	50	13	ES		15 2	18.11	0.00							1.0
MORF	HN	50	13	AML		15 2	19.81			6	0.2				

December 31 2013 Hour: 21:6 24.6 Lat: 36.54N Lon: 9.71W Depth: 5F 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	127	48	EP		21 6	44.88	-0.01							1.0
MORF	HN	127	48	ES		21 6	59.74	0.01							1.0
MORF	HN	127	48	AML		21 7	2.36			4	0.2				

