

Seismological Bulletin

from the

IGIDL Seismic Network

November to December

2010

Geophysical Institute Infante D. Luiz,
University of Lisbon
R. Escola Politecnica 58
1250-102 Lisboa
Portugal

Tel : +351-213921863/6
Fax : +351-213908187
E-Mail : sigidl@fc.ul.pt

WWW.IGIDL.UL.PT/SISMOLOGIA_NEW.HTM

STATIONS USED

The stations listed below are those operated by the Institute of Geophysics Infante D. Luis, University of Lisbon (UL).

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

Evora (S.Brisos) - CEA - SCIENCES DE LA TERRE ET DE L'ENVIRONNEMENT
EVOP

Latitude	38.5280N
Longitude	8.12360W
Height	100m

November 1 2010 Hour: 22:51 46.7 Lat: 37.54N Lon: 7.66W Depth: 10F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

S MERTOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	60	304	EP		2251	56.35	-0.05							1.0
MESJ	HN	60	304	ES		2252	3.56	0.05							1.0
MESJ	HN	60	304	AML		2252	5.16			8	0.3				
MORF	HZ	91	254	EP		2252	1.21	-0.11							1.0
MORF	HN	91	254	ES		2252	12.13	0.11							1.0
MORF	HE	91	254	AML		2252	12.88			16	0.3				

November 2 2010 Hour: 6:39 55.1 Lat: 5.38S Lon: 151.54E Depth: 41F Agency: IGL Distant
Magnitudes: 5.4MS IGL Rms: 0.0 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15896	333	333	EP		659	23.43	-0.02							1.0
MESJ	BZ15896	333	AMS			8 4	48.88			721	22.6				
MORF	BZ15966	333	EP			659	24.63	0.02							1.0
MORF	BN15966	333	AMS			8 6	9.01			866	20.3				

November 2 2010 Hour: 12:27 33.8 Lat: 37.87N Lon: 8.41W Depth: 9F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

W ALJUSTREL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HE	17	101	ES		1227	39.11	-0.07							1.0
MESJ	HN	17	101	AML		1227	39.45			201	0.2				
MORF	HZ	66	199	EP		1227	44.63	0.09							1.0
MORF	HN	66	199	ES		1227	52.51	0.11							1.0
MORF	HE	66	199	AML		1227	53.12			12	0.2				
MESJ	HZ	17	101	EP		1227	36.78	-0.12							1.0

November 2 2010 Hour: 13:51 47.0 Lat: 36.64N Lon: 9.77W Depth: 9F 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	124	53	EP		1352	6.63	-0.07							1.0
MORF	HE	124	53	ES		1352	21.19	0.14							1.0
MORF	HN	124	53	AML		1352	22.38			7	0.2				
MESJ	HZ	191	45	EP		1352	15.19	-0.16							1.0
MESJ	HE	191	45	ES		1352	36.11	0.09							1.0
MESJ	HE	191	45	AML		1352	37.47			2	0.3				

November 3 2010 Hour: 0:56 53.3 Lat: 43.74N Lon: 20.69E Depth: 2F Agency: IGL Distant
Magnitudes: 5.3MB IGL Rms: 0.1 secs

SERBIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	2484	268	EP		1 1	52.33	-0.09							1.0
ALMR	SZ	2484	268	AMb		1 1	54.03			235	1.3				
MESJ	BZ	2512	265	EP		1 1	55.13	0.01							1.0
MESJ	BZ	2512	265	AMb		1 1	57.19			226	1.2				
MESJ	BE	2512	265	ES		1 6	4.89	-0.11							1.0
GGNV	BZ	2548	268	EP		1 1	58.73	0.18							0.9
GGNV	BZ	2548	268	AMb		1 2	0.59			92	1.6				
GGNV	BE	2548	268	ES		1 6	10.64	-0.04							1.0
MORF	BZ	2571	264	EP		1 2	0.81	-0.01							1.0
MORF	BZ	2571	264	AMb		1 2	2.91			133	1.1				
MORF	BE	2571	264	ES		1 6	14.28	0.07							1.0

November 3 2010 Hour: 11:37 33.6 Lat: 37.11N Lon: 13.83W Depth: 1 Agency: IGL Regional
Magnitudes: 3.2ML 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
GGNV	HZ	448	65	EP		1138	34.87	0.34							1.0
GGNV	HE	448	65	ES		1139	18.77	-0.22							1.0
GGNV	HE	448	65	AML		1139	20.18			80	0.3				
MORF	HZ	460	86	EP		1138	35.86	-0.15							1.0
MORF	HN	460	86	ES		1139	21.49	-0.05							1.0
MORF	HN	460	86	AML		1139	22.80			41	0.3				
MESJ	HZ	502	79	EP		1138	41.08	-0.05							1.0
MESJ	HN	502	79	ES		1139	30.11	-0.29							1.0
MESJ	HN	502	79	AML		1139	36.16			32	0.4				
ALMR	SZ	513	62	EP		1138	42.38	-0.03							1.0
ALMR	SN	513	62	ES		1139	33.08	0.46							1.0
ALMR	SN	513	62	AML		1139	35.69			35	0.5				

November 3 2010 Hour: 18:13 9.9 Lat: 40.03N Lon: 13.20E Depth:468F Agency: IGL Distant
Magnitudes: 4.6MB IGL Rms: 0.2 secs

TYRRHENIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	1868	269	EP		1816	39.52	-0.12							1.0
MESJ	BZ	1868	269	AMb		1816	41.46			197	1.5				
ALMR	SZ	1868	274	EP		1816	39.54	-0.07							1.0
ALMR	SZ	1868	274	AMb		1816	40.53			1143	1.1				
MESJ	BE	1868	269	ES		1819	33.61	0.04							1.0
MORF	BZ	1920	268	EP		1816	44.87	0.31							1.0
MORF	BZ	1920	268	AMb		1816	46.81			97	1.3				
MORF	BE	1920	268	ES		1819	42.13	-0.21							1.0
GGNV	BZ	1926	273	EP		1816	45.08	0.06							1.0
GGNV	BZ	1926	273	AMb		1816	47.23			255	1.1				

November 3 2010 Hour: 18:52 54.7 Lat: 36.30N Lon: 9.78W Depth: 1 Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	150	42	EP		1853	18.74	0.00							1.0
MORF	HE	150	42	ES		1853	36.32	0.01							1.0
MORF	HN	150	42	AML		1853	37.32			6	0.3				
MESJ	HZ	220	39	EP		1853	27.36	0.00							1.0

November 3 2010 Hour: 19:44 55.2 Lat: 37.34N Lon: 8.48W Depth: 10F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	256	EP		1944	58.04	-0.16							1.0
MORF	HN	16	256	ES		1945	0.48	0.06							1.0
MORF	HN	16	256	AML		1945	1.30			121	0.2				
MESJ	HZ	60	22	EP		1945	5.08	0.10							1.0

November 3 2010 Hour: 21:55 6.3 Lat: 36.84N Lon: 7.55W Depth: 27F 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	111	298	EP		2155	23.02	-0.09							1.0
MORF	HE	111	298	ES		2155	35.42	0.05							1.0
MORF	HE	111	298	AML		2155	35.74			3	0.2				
MESJ	HN	126	332	ES		2155	38.59	0.04							1.0
MESJ	HE	126	332	AML		2155	40.28			3	0.1				

November 3 2010 Hour: 23:34 44.7 Lat: 20.44S Lon: 174.29W Depth: 33F Agency: IGL Distant
Magnitudes: 6.2MS IGL Rms: 0.2 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17551		32	EP		2354	37.15	0.13							1.0
GGNV	BZ17551		32	EPP		2358	49.37	-0.24							1.0
GGNV	BZ17551		32	AMS		25 4	28.71			4501	18.9				
MESJ	BZ17678		32	EP		2354	38.66	0.21							1.0
MESJ	BZ17678		32	EPP		2358	55.81	-0.06							1.0
MESJ	BZ17678		32	AMS		25 5	35.32			2043	16.8				
MORF	BZ17699		34	EP		2354	38.91	0.18							1.0
MORF	BZ17699		34	EPP		2358	56.73	-0.23							1.0
MORF	BZ17699		34	AMS		25 5	43.60			2540	16.8				

November 4 2010 Hour: 3:13 32.2 Lat: 37.46N Lon: 7.50W Depth: 0 Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

W ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ		76	304 EP		313	44.51	0.03							1.0
MESJ	HN		76	304 ES		313	53.42	-0.03							1.0
MESJ	HE		76	304 AML		313	53.94			1	0.2				

November 4 2010 Hour: 3:36 5.5 Lat: 36.82N Lon: 8.65W 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	HN		54	360 ES		336	20.66	-0.08							1.0
MORF	HN		54	360 AML		336	22.08			4	0.4				
MESJ	HZ		119	18 EP		336	24.38	-0.10							1.0
MESJ	HE		119	18 ES		336	38.52	0.18							1.0
MESJ	HE		119	18 AML		336	40.30			3	0.3				

November 4 2010 Hour: 5:10 21.5 Lat: 36.69N Lon: 2.66W Depth: 11F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.4 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ		510	286 EP		511	28.97	0.10							1.0
MESJ	HN		510	286 ES		512	17.71	-0.34							1.0
MESJ	HN		510	286 AML		512	22.92			13	0.6				
MORF	HZ		538	279 EP		511	32.33	0.01							1.0
MORF	HN		538	279 ES		512	23.52	-0.50							1.0
MORF	HN		538	279 AML		512	32.71			30	0.3				
ALMR	SZ		588	300 EP		511	38.46	0.11							1.0
ALMR	SN		588	300 ES		512	35.12	0.68							1.0
ALMR	SN		588	300 AML		512	39.86			71	0.8				

November 4 2010 Hour: 8: 3 5.5 Lat: 36.52N Lon: 12.90W 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		389	76 EP		8 3	56.61	0.03							1.0
MORF	HN		389	76 ES		8 4	33.64	-0.20							1.0
MORF	HN		389	76 AML		8 4	35.41			11	0.1				
MESJ	HZ		441	69 EP		8 4	3.03	0.18							1.0
MESJ	HN		441	69 ES		8 4	44.68	-0.01							1.0
MESJ	HN		441	69 AML		8 4	45.94			4	0.3				

November 4 2010 Hour: 12:29 32.2 Lat: 12.85N Lon: 44.85W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3MB IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4503	47	EP		1237	10.99	0.03							1.0
MORF	BZ	4503	47	AMb		1237	14.27			88	1.9				
GGNV	BZ	4539	44	EP		1237	13.36	-0.19							1.0
GGNV	BZ	4539	44	AMb		1237	19.66			159	1.8				
MESJ	BZ	4564	46	EP		1237	15.55	0.11							1.0
MESJ	BZ	4564	46	AMb		1237	19.88			84	1.9				
MESJ	BE	4564	46	ES		1243	28.74	0.05							1.0

November 4 2010 Hour: 19:27 27.5 Lat: 37.17N Lon: 8.71W Depth: 8F Agency: IGL Regional
Magnitudes: 1.0ML 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	16	19	EP		1927	30.31	-0.14							1.0
MORF	HN	16	19	ES		1927	32.67	0.08							1.0
MORF	HN	16	19	AML		1927	33.15			43	0.1				
MESJ	HZ	86	30	EP		1927	41.41	-0.04							1.0
MESJ	HN	86	30	ES		1927	51.72	0.10							1.0
MESJ	HN	86	30	AML		1927	53.86			6	0.1				

November 5 2010 Hour: 4:47 37.8 Lat: 36.75N Lon: 11.08W Depth: 10F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	225	73	EP		448	10.12	-0.11							1.0
MORF	HN	225	73	ES		448	33.85	-0.03							1.0
MORF	HN	225	73	AML		448	35.33			21	0.4				
MESJ	HZ	281	64	EP		448	17.25	0.07							1.0
MESJ	HN	281	64	ES		448	45.97	0.08							1.0
MESJ	HE	281	64	AML		448	48.09			5	0.1				

November 5 2010 Hour: 9:33 43.1 Lat: 37.76N Lon: 8.54W Depth: 18F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

NE ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	30	73	EP		933	48.61	-0.01							1.0
MESJ	HN	30	73	ES		933	52.63	0.01							1.0
MESJ	HN	30	73	AML		933	52.96			5	0.2				

November 5 2010 Hour: 9:43 49.2 Lat: 36.20N Lon: 5.12W Depth: 46F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	330	304	EP		944	32.88	0.13							1.0
MESJ	HN	330	304	ES		945	4.59	0.04							1.0
MESJ	HN	330	304	AML		945	6.83			6	0.4				
MORF	HZ	338	292	EP		944	33.64	-0.11							1.0
MORF	HN	338	292	ES		945	6.21	-0.06							1.0
MORF	HN	338	292	AML		945	7.47			7	0.2				

November 6 2010 Hour: 12:15 41.7 Lat: 18.83S Lon: 69.23W Depth: 103F Agency: IGL Distant
Magnitudes: 4.8MB IGL Rms: 0.0 secs

TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8943	45	EP		1227	41.85	0.05							1.0
MESJ	BZ	8943	45	AMb		1227	44.72			20	1.1				

**November 6 2010 Hour: 17:34 3.7 Lat: 37.32N Lon: 8.47W Depth: 10F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs**

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	265	EP		1734	6.63	-0.18							1.0
MORF	HE	16	265	ES		1734	9.07	-0.01							1.0
MORF	HE	16	265	AML		1734	9.32			45	0.2				
MESJ	HZ	62	21	EP		1734	13.90	0.10							1.0
MESJ	HE	62	21	ES		1734	21.26	0.09							1.0
MESJ	HN	62	21	AML		1734	22.08			5	0.4				

**November 6 2010 Hour: 18:21 39.2 Lat: 34.69N Lon: 6.80W Depth: 30F Agency: IGL Regional
Magnitudes: 2.2ML 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	335	331	EP		1822	23.43	-0.19							1.0
MORF	HN	335	331	ES		1822	56.25	0.19							1.0
MORF	HN	335	331	AML		1822	57.12			11	0.1				
MESJ	HZ	372	340	EP		1822	28.16	-0.05							1.0
MESJ	HN	372	340	ES		1823	4.06	0.06							1.0
MESJ	HN	372	340	AML		1823	5.51			5	0.1				

**November 6 2010 Hour: 20:57 10.4 Lat: 46.57N Lon: 149.75E Depth: 166F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.0 secs**

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10410	343	343	EP		2110	7.58	0.05							1.0
MESJ	BZ10410	343	343	AMB		2110	9.08			44	1.4				
MORF	BZ10477	343	343	EP		2110	10.30	-0.05							1.0
MORF	BZ10477	343	343	AMB		2110	12.97			68	1.6				

**November 7 2010 Hour: 1:33 41.6 Lat: 37.09N Lon: 8.54W Depth: 18F 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	26	338	EP		133	46.44	-0.24							1.0
MORF	HN	26	338	ES		133	50.49	0.13							1.0
MORF	HN	26	338	AML		133	50.83			62	0.1				
MESJ	HZ	88	19	EP		133	55.80	0.12							1.0
MESJ	HE	88	19	ES		134	5.94	0.01							1.0
MESJ	HN	88	19	AML		134	6.82			17	0.3				

**November 7 2010 Hour: 14:39 54.8 Lat: 37.30N Lon: 8.60W Depth: 12F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs**

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	279	EP		1439	56.91	-0.02							1.0
MORF	HN	5	279	ES		1439	58.52	0.02							1.0
MORF	HE	5	279	AML		1439	58.79			32	0.1				

**November 7 2010 Hour: 20:37 8.2 Lat: 39.92N Lon: 8.40W Depth: 10F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs**

W FIGUEIRO DOS VINHOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	86	190	EP		2037	22.05	-0.01							1.0
ALMR	SE	86	190	ES		2037	32.19	0.02							1.0
ALMR	SN	86	190	AML		2037	33.43			32	0.2				
MESJ	HZ	231	176	EP		2037	41.38	-0.01							0.9

November 7 2010 Hour: 21:19 52.9 Lat: 36.64N Lon: 9.77W Depth: 14F Agency: IGL Regional
Magnitudes: 2.7ML 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	124	53	EP		2120	12.38	-0.02							1.0
MORF	HN	124	53	ES		2120	26.71	0.08							1.0
MORF	HN	124	53	AML		2120	27.59			154	0.2				
MESJ	HZ	191	45	EP		2120	20.68	-0.05							1.0
MESJ	HN	191	45	ES		2120	41.09	0.04							1.0
MESJ	HN	191	45	AML		2120	41.73			62	0.2				
GGNV	HN	237	13	ES		2120	50.87	0.08							0.9
GGNV	HN	237	13	AML		2120	52.04			137	0.2				
ALMR	SZ	298	20	EP		2120	33.87	-0.13							0.9
ALMR	SN	298	20	ES		2121	3.99	-0.01							0.9
ALMR	SN	298	20	AML		2121	4.79			15	0.2				

November 7 2010 Hour: 21:42 26.3 Lat: 37.48N Lon: 9.74W Depth: 1 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	98	101	EP		2142	42.18	0.00							1.0
MORF	HE	98	101	ES		2142	53.71	-0.05							1.0
MORF	HE	98	101	AML		2142	54.68			43	0.2				
MESJ	HZ	140	73	EP		2142	48.87	0.09							1.0
MESJ	HN	140	73	ES		2143	5.14	-0.04							1.0
MESJ	HN	140	73	AML		2143	6.64			19	0.4				

November 8 2010 Hour: 6:55 47.1 Lat: 34.98N Lon: 11.75W Depth: 31F Agency: IGL Regional
Magnitudes: 3.7ML 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	380	46	EP		656	37.09	-0.03							1.0
MORF	HN	380	46	ES		657	13.56	-0.04							1.0
MORF	HN	380	46	AML		657	14.38			215	0.2				
MESJ	HZ	448	44	EP		656	45.29	-0.08							1.0
MESJ	HN	448	44	ES		657	27.85	-0.03							1.0
MESJ	HN	448	44	AML		657	29.31			107	0.3				
GGNV	HE	475	28	ES		657	33.64	0.15							1.0
GGNV	HE	475	28	AML		657	35.13			165	0.4				
ALMR	SZ	543	30	EP		656	56.71	-0.08							0.9
ALMR	SE	543	30	ES		657	47.78	0.14							0.9
ALMR	SN	543	30	AML		657	50.48			248	0.8				

November 8 2010 Hour: 19:37 52.5 Lat: 36.53N Lon: 5.67W Depth: 10F 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	269	304	EP		1938	30.40	-0.01							1.0

November 8 2010 Hour: 21:18 11.3 Lat: 35.38N Lon: 4.64W Depth: 1 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	421	311	EP		2119	8.93	0.00							1.0

November 9 2010 Hour: 2:48 25.2 Lat: 36.85N Lon: 8.53W Depth: 27F 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	52	348	EP		248	34.16	-0.08							1.0
MORF	HN	52	348	ES		248	41.01	0.19							1.0
MORF	HE	52	348	AML		248	41.73			307	0.2				
MESJ	HZ	113	14	EP		248	42.13	-0.17							1.0

MESJ HN 113 14 ES 248 54.81 0.05 1.0
 MESJ HE 113 14 AML 248 56.29 27 0.1

**November 9 2010 Hour: 23:35 29.9 Lat: 38.78N Lon: 8.00W Depth: 3F Agency: IGL Regional
 Magnitudes: 1.3ML IGL Rms: 0.0 secs**

NARRAILOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	106	191	EP		2335	47.01	-0.04							1.0
MESJ	HN	106	191	ES		2335	59.59	0.04							1.0
MESJ	HN	106	191	AML		2336	0.17			7	0.2				

**November 10 2010 Hour: 20:15 27.4 Lat: 39.10N Lon: 12.83W Depth: 1 Agency: IGL Regional
 Magnitudes: 1.8ML 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	417	117	EP		2016	24.67	0.19							1.0
MORF	HE	417	117	ES		2017	6.19	0.01							1.0
MORF	HE	417	117	AML		2017	6.46			3	0.1				
MESJ	HN	426	108	ES		2017	7.92	-0.20							1.0
MESJ	HN	426	108	AML		2017	9.60			1	0.1				

**November 11 2010 Hour: 0:16 34.1 Lat: 38.08N Lon: 3.50W Depth: 20F Agency: IGL Regional
 Magnitudes: 2.4ML 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	416	268	EP		017	29.08	-0.14							1.0
MESJ	HE	416	268	ES		018	9.59	0.11							1.0
MESJ	HE	416	268	AML		018	10.55			5	0.1				
ALMR	SZ	458	287	EP		017	34.27	-0.05							1.0
ALMR	SN	458	287	ES		018	18.34	0.04							1.0
ALMR	SN	458	287	AML		018	21.10			14	0.1				
MORF	HZ	462	261	EP		017	34.85	-0.06							1.0
MORF	HN	462	261	ES		018	19.51	0.19							1.0
MORF	HN	462	261	AML		018	20.32			7	0.3				

**November 11 2010 Hour: 20:30 0.5 Lat: 6.29S Lon: 154.69E Depth: 56F Agency: IGL Distant
 Rms: 0.2 secs**

BOUGAINVILLE REGION, PAPUA NEW GUINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16092	338	EP			2049	29.06	-0.15							1.0
MESJ	BZ16137	336	EP			2049	30.42	-0.16							1.0
MORF	BZ16207	336	EP			2049	32.21	0.36							0.9

**November 11 2010 Hour: 22:25 3.5 Lat: 37.25N Lon: 8.64W Depth: 14F Agency: IGL Regional
 Magnitudes: 0.8ML IGL Rms: 0.1 secs**

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	351	EP		2225	5.91	-0.10							1.0
MORF	HN	6	351	ES		2225	7.97	0.11							1.0
MESJ	HZ	75	29	EP		2225	15.69	0.14							1.0
MESJ	HN	75	29	ES		2225	24.22	-0.15							1.0
MESJ	HN	75	29	AML		2225	25.09			3	0.1				

**November 11 2010 Hour: 23:20 48.7 Lat: 35.96N Lon: 10.15W Depth: 0 Agency: IGL Regional
 Magnitudes: 2.2ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	201	41	EP		2321	18.97	-0.11							1.0
MORF	HN	201	41	ES		2321	41.39	0.10							1.0
MORF	HN	201	41	AML		2321	42.91			32	0.2				
MESJ	HZ	270	39	EP		2321	27.52	-0.17							1.0
MESJ	HN	270	39	ES		2321	56.37	0.18							1.0
MESJ	HN	270	39	AML		2321	58.50			6	0.2				

November 12 2010 Hour: 2:14 44.6 Lat: 6.54S Lon: 130.02E Depth:151F Agency: IGL Distant
Rms: 0.2 secs

BANDA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	14582	316	EP		233	38.08	0.19							1.0
MORF	BZ	14644	315	EP		233	38.79	-0.19							1.0

November 12 2010 Hour: 6:31 13.9 Lat: 54.66N Lon: 161.36E Depth: 52F Agency: IGL Distant
Magnitudes: 4.8MB IGL Rms: 0.0 secs

NEAR EAST COAST OF KAMCHATKA, RUSSIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9712	352	EP		643	54.98	0.01							1.0
MESJ	BZ	9712	352	AMB		644	4.31			16	1.6				
MORF	BZ	9775	352	EP		643	57.70	-0.01							1.0
MORF	BZ	9775	352	AMB		644	6.45			26	2.0				

November 12 2010 Hour: 9:10 54.6 Lat: 36.38N Lon: 7.91W Depth: 31F 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	122	327	EP		911	12.43	-0.14							1.0
MORF	HN	122	327	ES		911	25.67	-0.01							1.0
MORF	HE	122	327	AML		911	26.35			102	0.2				
MESJ	HZ	164	350	EP		911	17.85	0.08							1.0
MESJ	HN	164	350	ES		911	34.74	0.07							1.0
MESJ	HN	164	350	AML		911	35.69			37	0.1				

November 12 2010 Hour: 10:46 18.6 Lat: 36.93N Lon: 8.64W Depth: 8F 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	42	359	EP		1046	25.36	-0.10							1.0
MORF	HE	42	359	ES		1046	30.52	0.04							1.0
MORF	HN	42	359	AML		1046	31.19			6	0.2				
MESJ	HN	108	20	ES		1046	48.39	0.06							1.0
MESJ	HN	108	20	AML		1046	49.32			2	0.3				

November 12 2010 Hour: 14:25 4.9 Lat: 37.33N Lon: 8.56W Depth: 14F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

N 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		1425	7.46	-0.17							1.0
MORF	HN	8	252	ES		1425	9.71	0.12							1.0
MORF	HN	8	252	AML		1425	10.16			52	0.2				
MESJ	HZ	64	28	EP		1425	15.38	0.06							1.0
MESJ	HN	64	28	ES		1425	22.90	-0.01							1.0
MESJ	HN	64	28	AML		1425	23.62			4	0.2				

November 12 2010 Hour: 14:55 24.2 Lat: 36.21N Lon: 4.15W Depth: 1 Agency: IGL Regional
Magnitudes: 2.3ML 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	405	298	EP		1456	19.80	0.01							1.0
MESJ	HN	405	298	ES		1457	0.55	0.16							1.0
MESJ	HN	405	298	AML		1457	1.94			4	0.4				
MORF	HN	420	288	ES		1457	3.51	-0.17							1.0
MORF	HN	420	288	AML		1457	7.27			11	0.4				

November 12 2010 Hour: 23:23 20.4 Lat: 36.68N Lon: 7.84W Depth: 0 Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.3 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	100	314	EP		2323	36.46	-0.10							1.0
MORF	HN	100	314	ES		2323	48.62	0.26							1.0
MORF	HE	100	314	AML		2323	50.71			4	0.2				
MESJ	HZ	133	345	EP		2323	41.41	-0.44							1.0
MESJ	HN	133	345	ES		2323	57.78	0.27							1.0
MESJ	HN	133	345	AML		2323	58.84			2	0.4				

November 13 2010 Hour: 4:35 40.1 Lat: 17.87N Lon: 68.53W Depth: 95F Agency: IGL Distant
Magnitudes: 4.8MB IGL Rms: 0.4 secs

DOMINICAN REPUBLIC REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6186	57	EP		445	6.15	0.15							1.0
MORF	BZ	6186	57	AMb		445	17.87			39	2.5				
MORF	BN	6186	57	ES		452	44.68	-0.52							1.0
MESJ	BZ	6228	56	EP		445	8.95	0.35							1.0
MESJ	BZ	6228	56	AMb		445	15.11			49	1.2				

November 14 2010 Hour: 4:57 59.2 Lat: 35.00N Lon: 5.93W Depth: 1 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	376	328	EP		458	51.23	0.01							1.0

November 14 2010 Hour: 8:49 5.0 Lat: 34.54N Lon: 5.79W Depth: 24F 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
MESJ	HZ	426	330	EP		850	1.02	-0.11							1.0
MESJ	HN	426	330	ES		850	42.18	0.11							1.0
MESJ	HN	426	330	AML		850	44.86			9	0.4				

November 15 2010 Hour: 2:46 12.3 Lat: 39.21N Lon: 9.28W Depth: 0 Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

SE LOURINHA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	178	148	EP		246	39.80	-0.11							1.0
MESJ	HN	178	148	ES		247	0.15	0.11							1.0
MESJ	HE	178	148	AML		247	2.06			3	0.2				

November 15 2010 Hour: 13:3 41.6 Lat: 36.94N Lon: 8.74W Depth: 29F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	41	11	EP		13	3	49.45	0.03						1.0
MORF	HN	41	11	ES		13	3	55.08	-0.03						1.0
MORF	HN	41	11	AML		13	3	55.73			4	0.2			

November 16 2010 Hour: 1:39 42.3 Lat: 2.01S Lon: 139.00E Depth: 5F Agency: IGL Distant
Magnitudes: 5.5MS IGL Rms: 0.1 secs

NEAR NORTH COAST OF PAPUA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14845	324	EP			158	59.30	0.15							1.0
MESJ	BZ14845	324	AMS			3	5	0.03		702	16.7				
MORF	BZ14913	324	EP			159	0.20	-0.15							1.0
MORF	BZ14913	324	AMS			3	5	9.60		989	16.3				

November 16 2010 Hour: 17:29 11.1 Lat: 38.35N Lon: 9.54W Depth: 13F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

SW CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	129	116	EP		1729	31.28	0.03							1.0
MESJ	HN	129	116	ES		1729	45.94	-0.03							1.0
MESJ	HE	129	116	AML		1729	47.06			5	0.1				

November 16 2010 Hour: 20: 6 39.1 Lat: 5.83S Lon: 130.66E Depth: 110F Agency: 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	BZ14574	316	EP			2025	37.36	0.07							1.0
MORF	BZ14637	316	EP			2025	38.34	-0.07							1.0

November 17 2010 Hour: 6:17 2.8 Lat: 36.62N Lon: 11.20W Depth: 20F 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	239	71	EP		617	36.16	0.09							1.0
MORF	HN	239	71	ES		618	0.32	-0.07							1.0
MORF	HN	239	71	AML		618	0.77			91	0.2				
MESJ	HZ	297	62	EP		617	43.27	0.07							1.0
MESJ	HE	297	62	ES		618	12.62	-0.10							1.0
MESJ	HN	297	62	AML		618	14.24			44	0.2				

November 17 2010 Hour: 15:38 6.2 Lat: 36.60N Lon: 9.70W Depth: 15F 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	122	50	EP		1538	25.31	-0.02							1.0
MORF	HE	122	50	ES		1538	39.19	-0.12							1.0
MORF	HE	122	50	AML		1538	40.09			5	0.1				
MESJ	HZ	190	43	EP		1538	33.73	-0.04							1.0
MESJ	HN	190	43	ES		1538	54.12	0.20							1.0
MESJ	HN	190	43	AML		1538	56.29			3	0.1				

November 17 2010 Hour: 21:11 27.1 Lat: 38.23N Lon: 9.50W Depth: 7F Agency: IGL Regional
Magnitudes: 1.0ML 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	120	111	EP		2111	46.41	0.11							1.0
MESJ	HN	120	111	ES		2112	0.13	-0.19							1.0
MESJ	HN	120	111	AML		2112	1.76			3	0.4				
MORF	HZ	127	144	EP		2111	47.52	0.22							1.0
MORF	HN	127	144	ES		2112	1.89	-0.15							1.0
MORF	HN	127	144	AML		2112	3.04			3	0.2				

November 18 2010 Hour: 12:23 11.1 Lat: 38.10N Lon: 8.13W Depth: 17F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	30	195	EP		1223	16.58	0.01							1.0
MESJ	HN	30	195	ES		1223	20.56	-0.01							1.0
MESJ	HN	30	195	AML		1223	21.19			23	0.4				

November 19 2010 Hour: 0:13 42.1 Lat: 37.34N Lon: 8.49W Depth: 11F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	255	EP		013	44.97	-0.11							1.0
MORF	HN	15	255	ES		013	47.42	0.13							1.0
MORF	HN	15	255	AML		013	48.00			62	0.2				

MESJ HZ 60 23 EP 013 51.91-0.03 1.0

**November 19 2010 Hour: 18:28 56.8 Lat: 36.82N Lon: 11.00W Depth: 9F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	216	75	EP		1829	28.21	-0.01							1.0
MORF	HN	216	75	ES		1829	50.99	-0.13							1.0
MORF	HN	216	75	AML		1829	52.15		10	0.1					
MESJ	HN	271	64	ES		1830	3.11	0.15							1.0
MESJ	HN	271	64	AML		1830	4.53		3	0.3					

**November 20 2010 Hour: 5:25 40.4 Lat: 37.35N Lon: 8.55W 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	10	242	EP		525	42.90	-0.10							1.0
MORF	HN	10	242	ES		525	45.00	0.10							1.0
MORF	HN	10	242	AML		525	45.36		32	0.2					

**November 20 2010 Hour: 9:42 41.1 Lat: 38.33N Lon: 9.14W Depth: 17F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs**

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	97	124	EP		942	56.40	-0.12							1.0
MESJ	HN	97	124	ES		943	7.92	0.12							1.0
MESJ	HE	97	124	AML		943	8.94		6	0.1					

**November 20 2010 Hour: 19:59 52.4 Lat: 38.06N Lon: 9.08W Depth: 9F Agency: IGL Regional
Magnitudes: 0.8ML 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
MESJ	HZ	79	108	EP		20 0	5.11	-0.14							1.0
MESJ	HN	79	108	ES		20 0	14.80	0.14							1.0
MESJ	HE	79	108	AML		20 0	16.18		4	0.2					

**November 21 2010 Hour: 3:55 21.7 Lat: 36.77N Lon: 8.24W Depth: 26F Agency: IGL Regional
Magnitudes: 0.7ML 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	HE	70	329	ES		355	41.77	0.18							1.0
MORF	HE	70	329	AML		355	42.86		3	0.1					
MORF	HZ	70	329	EP		355	33.04	-0.18							1.0

**November 21 2010 Hour: 7:40 26.4 Lat: 36.49N Lon: 9.63W Depth: 18F 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	126	44	EP		740	45.84	0.06							1.0
MORF	HN	126	44	ES		740	59.87	-0.05							1.0
MORF	HE	126	44	AML		741	0.96		41	0.2					
MESJ	HZ	195	39	EP		740	54.43	0.05							1.0
MESJ	HE	195	39	ES		741	14.73	-0.06							1.0
MESJ	HE	195	39	AML		741	15.96		9	0.1					

**November 21 2010 Hour: 15:50 50.8 Lat: 36.39N Lon: 9.71W Depth: 15F 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	139	43	EP		1551	11.94	-0.11							1.0
MORF	HE	139	43	ES		1551	27.61	0.05							1.0
MORF	HN	139	43	AML		1551	28.82		4	0.1					
MESJ	HZ	208	39	EP		1551	20.59	-0.07							1.0
MESJ	HE	208	39	ES		1551	42.57	0.12							1.0

MESJ HE 208 39 AML 1551 43.87 2 0.2

**November 21 2010 Hour: 16:3 46.6 Lat: 37.44N Lon: 8.79W Depth: 1 Agency: IGL Regional
Magnitudes: 1.0ML 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	19	140	EP		16	3	49.59							1.0
MORF	HE	19	140	ES		16	3	52.12							1.0
MORF	HN	19	140	AML		16	3	52.55		59	0.1				
MESJ	HZ	67	48	EP		16	3	57.42							1.0
MESJ	HN	67	48	ES		16	4	5.18							1.0
MESJ	HN	67	48	AML		16	4	6.33		5	0.1				

**November 21 2010 Hour: 17:17 13.2 Lat: 36.36N Lon: 8.17W Depth: 11F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	338	EP		1717	31.13	0.03							1.0
MESJ	HZ	164	358	EP		1717	37.86	-0.04							1.0
MESJ	HE	164	358	ES		1717	55.98	0.02							1.0
MESJ	HN	164	358	AML		1717	56.62			3	0.2				

**November 21 2010 Hour: 21:44 57.2 Lat: 37.09N Lon: 5.12W Depth: 4F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HN	287	288	ES		2146	7.55	-0.03							1.0
MESJ	HN	287	288	AML		2146	8.98			3	0.2				
MORF	HZ	314	276	EP		2145	41.40	0.03							1.0

**November 22 2010 Hour: 1:21 57.2 Lat: 37.84N Lon: 1.77W Depth: 5F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	567	272	EP		123	12.21	-0.04							1.0
MESJ	HN	567	272	ES		124	7.05	0.04							1.0
MESJ	HN	567	272	AML		124	10.73			5	0.7				

**November 22 2010 Hour: 1:34 26.4 Lat: 35.55N Lon: 9.66W Depth: 14F Agency: IGL Regional
Magnitudes: 2.7ML 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	215	25	EP		134	57.04	-0.11							1.0
MORF	HN	215	25	ES		135	19.42	-0.20							1.0
MORF	HN	215	25	AML		135	20.26			52	0.4				
MESJ	HZ	285	26	EP		135	5.90	0.10							1.0
MESJ	HN	285	26	ES		135	34.83	0.24							1.0
MESJ	HE	285	26	AML		135	37.43			33	0.0				

**November 22 2010 Hour: 4:27 24.5 Lat: 36.66N Lon: 9.74W Depth: 10F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	53	EP		427	43.76	0.15							1.0
MORF	HE	121	53	ES		427	57.64	0.10							1.0
MORF	HN	121	53	AML		427	59.03			16	0.1				
MESJ	HZ	188	45	EP		427	52.12	-0.20							1.0
MESJ	HN	188	45	ES		428	12.53	-0.07							1.0
MESJ	HN	188	45	AML		428	13.69			3	0.2				

November 22 2010 Hour: 5:37 11.1 Lat: 37.93N Lon: 1.75W Depth: 0 Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	569	271	EP		538	26.66	-0.12							1.0
MESJ	HE	569	271	ES		539	22.01	-0.03							1.0
MESJ	HE	569	271	AML		539	23.59			5	0.5				
MORF	HZ	613	266	EP		538	32.03	-0.10							1.0
MORF	HE	613	266	ES		539	31.54	0.25							1.0
MORF	HN	613	266	AML		539	34.37			24	0.4				

November 22 2010 Hour: 7:17 14.8 Lat: 36.61N Lon: 4.63W Depth: 69F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	346	294	EP		718	0.35	0.07							1.0
MESJ	HN	346	294	ES		718	33.39	-0.09							1.0
MESJ	HN	346	294	AML		718	34.26			2	0.1				
MORF	HZ	366	283	EP		718	2.77	0.06							1.0
MORF	HN	366	283	ES		718	37.64	-0.04							1.0
MORF	HN	366	283	AML		718	40.09			4	0.3				

November 22 2010 Hour: 8:37 2.8 Lat: 37.26N Lon: 8.57W Depth: 10F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	306	EP		837	4.98	0.00							1.0
MORF	HE	9	306	ES		837	6.61	0.00							1.0
MORF	HN	9	306	AML		837	6.99			177	0.1				

November 22 2010 Hour: 8:45 52.0 Lat: 37.45N Lon: 9.13W Depth: 11F Agency: IGL Regional
Magnitudes: 1.1ML 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	45	110	EP		845	59.42	-0.10							1.0
MORF	HN	45	110	ES		846	5.10	0.07							1.0
MORF	HN	45	110	AML		846	6.44			16	0.1				
MESJ	HZ	91	61	EP		846	6.51	-0.01							1.0
MESJ	HN	91	61	ES		846	17.19	0.04							1.0
MESJ	HN	91	61	AML		846	18.09			5	0.2				

November 22 2010 Hour: 16:18 43.0 Lat: 33.64S Lon: 178.93W Depth: 10F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.1 secs

SOUTH OF KERMADEC ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18939	56	EP			1638	50.49	-0.13							1.0
GGNV	BZ18939	56	AMS			1757	53.96			2735	23.2				
MORF	BZ19046	62	EP			1638	51.41	0.18							1.0
MORF	BN19046	62	ESS			17	5	9.00	0.08						1.0
MORF	BZ19046	62	AMS			1756	17.79			2526	16.5				
MESJ	BZ19056	58	EP			1638	51.29	0.07							1.0
MESJ	BN19056	58	ESS			17	5	9.55	-0.21						1.0
MESJ	BZ19056	58	AMS			1758	10.14			2049	18.4				

November 22 2010 Hour: 21:33 43.4 Lat: 38.14N Lon: 8.48W Depth: 10F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

SE GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	40	146	EP		2133	50.15	0.01							1.0
MESJ	HE	40	146	ES		2133	55.03	-0.02							1.0
MESJ	HE	40	146	AML		2133	55.30			82	0.1				
MORF	HZ	94	189	EP		2133	58.51	0.09							1.0
MORF	HN	94	189	ES		2134	9.29	-0.09							1.0

MORF HE 94 189 AML 2134 10.41 37 0.1

**November 22 2010 Hour: 21:34 27.2 Lat: 38.13N Lon: 8.50W Depth: 18F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs**

SE GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	41	143	EP		2134	34.21	-0.04							1.0
MESJ	HN	41	143	ES		2134	39.29	-0.08							1.0
MESJ	HN	41	143	AML		2134	40.01			3	0.2				
MORF	HN	92	188	ES		2134	52.86	0.13							1.0
MORF	HN	92	188	AML		2134	53.78			3	0.4				

**November 22 2010 Hour: 22:9 16.5 Lat: 36.79N Lon: 10.78W Depth: 0 Agency: IGL Regional
Magnitudes: 1.3ML 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	198	73	EP		22 9	46.36	-0.17							1.0
MORF	HE	198	73	ES		2210	8.65	0.17							1.0
MORF	HN	198	73	AML		2210	9.87			3	0.4				

**November 22 2010 Hour: 22:22 22.2 Lat: 38.21N Lon: 8.41W Depth: 0 Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs**

NE GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	44	158	EP		2222	29.41	0.02							1.0
MESJ	HN	44	158	ES		2222	34.55	-0.06							1.0
MESJ	HE	44	158	AML		2222	36.03			8	0.2				
MORF	HZ	103	192	EP		2222	38.91	0.15							1.0
MORF	HN	103	192	ES		2222	50.73	-0.10							1.0
MORF	HN	103	192	AML		2222	51.64			10	0.2				

**November 23 2010 Hour: 8:0 2.7 Lat: 36.71N Lon: 7.44W Depth: 20F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.3 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	302	EP		8 0	21.77	-0.21							1.0
MORF	HN	126	302	ES		8 0	35.67	-0.39							1.0
MORF	HN	126	302	AML		8 0	36.26			561	0.2				
MESJ	HZ	143	331	EP		8 0	24.27	0.24							1.0
ALMR	SZ	289	340	EP		8 0	42.58	0.42							0.9

**November 23 2010 Hour: 22:14 5.7 Lat: 38.45N Lon: 7.80W Depth: 12F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.3 secs**

SE EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	77	209	EP		2214	18.11	0.05							1.0
MESJ	HN	77	209	ES		2214	26.83	-0.25							1.0
MESJ	HE	77	209	AML		2214	28.01			3	0.1				
MORF	HZ	147	211	EP		2214	27.98	-0.28							1.0
MORF	HE	147	211	ES		2214	45.23	0.49							1.0
MORF	HE	147	211	AML		2214	46.74			1	0.2				

**November 23 2010 Hour: 23:20 34.9 Lat: 36.70N Lon: 9.73W 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	117	55	EP		2320	53.32	-0.07							1.0
MORF	HN	117	55	ES		2321	7.04	0.16							1.0
MORF	HE	117	55	AML		2321	7.46			7	0.2				
MESJ	HZ	184	46	EP		2321	1.51	-0.16							1.0
MESJ	HE	184	46	ES		2321	21.27	0.06							1.0
MESJ	HE	184	46	AML		2321	21.98			2	0.1				

November 24 2010 Hour: 5:27 59.7 Lat: 38.10N Lon: 7.28W Depth: 5F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

SE MOURA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	88	251	EP		528	13.72	-0.10							1.0
MESJ	HE	88	251	ES		528	24.24	0.10							1.0
MESJ	HN	88	251	AML		528	25.16			3	0.1				

November 24 2010 Hour: 6:26 53.9 Lat: 36.07N Lon: 10.21W 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	196	45	EP		627	22.53	-0.09							1.0
MORF	HN	196	45	ES		627	43.70	0.09							1.0
MORF	HN	196	45	AML		627	44.64			3	0.2				

November 24 2010 Hour: 11:28 57.9 Lat: 37.32N Lon: 8.56W Depth: 16F Agency: IGL Regional
Magnitudes: 0.7ML 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	259	EP		1129	0.63	-0.18							1.0
MORF	HN	8	259	ES		1129	3.06	0.10							1.0
MORF	HN	8	259	AML		1129	3.53			31	0.2				
MESJ	HZ	65	27	EP		1129	8.38	-0.06							1.0
MESJ	HN	65	27	ES		1129	16.30	0.15							1.0
MESJ	HN	65	27	AML		1129	16.92			3	0.2				

November 24 2010 Hour: 19:7 22.6 Lat: 39.09N Lon: 9.32W Depth: 20F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

W TORRES VEDRAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	44	160	EP		19	7	30.06	-0.15						1.0
GGNV	HN	44	160	ES		19	7	35.72	-0.04						1.0
GGNV	HN	44	160	AML		19	7	36.51		239	0.2				
ALMR	SZ	65	83	EP		19	7	33.38	0.14						1.0
ALMR	SN	65	83	ES		19	7	41.04	0.05						1.0
ALMR	SN	65	83	AML		19	7	42.32		42	0.2				
MESJ	HZ	169	145	EP		19	7	47.25	0.14						0.9
MORF	HZ	206	163	EP		19	7	51.68	-0.15						0.9

November 24 2010 Hour: 21:30 31.6 Lat: 37.24N Lon: 8.59W Depth: 23F Agency: IGL Regional
Magnitudes: 0.4ML 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	9	324	EP		2130	35.60	-0.01							1.0
MORF	HE	9	324	ES		2130	38.51	0.01							1.0
MORF	HE	9	324	AML		2130	39.44			7	0.2				

November 24 2010 Hour: 21:30 44.4 Lat: 37.29N Lon: 5.32W 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	264	284	EP		2131	20.19	0.21							1.0
MESJ	HN	264	284	ES		2131	45.91	-0.02							1.0
MESJ	HN	264	284	AML		2131	46.30			4	0.3				
MORF	HZ	296	271	EP		2131	23.80	-0.19							1.0

November 25 2010 Hour: 0:3 22.0 Lat: 36.38N Lon: 7.85W Depth: 20F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	325	EP		0 3	40.97	-0.18							1.0
MORF	HE	125	325	ES		0 3	55.15	0.05							1.0
MORF	HE	125	325	AML		0 3	55.68			24	0.2				
MESJ	HZ	165	349	EP		0 3	46.23	0.13							1.0
MESJ	HE	165	349	ES		0 4	3.67	0.00							1.0
MESJ	HE	165	349	AML		0 4	4.77			10	0.1				

November 25 2010 Hour: 0:45 13.7 Lat: 36.33N Lon: 9.00W Depth: 7F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	16	EP		045	31.75	0.03							1.0
MORF	HE	113	16	ES		045	44.86	-0.03							1.0
MORF	HE	113	16	AML		045	45.65			6	0.2				

November 25 2010 Hour: 4:19 43.6 Lat: 0.38N Lon: 79.83W Depth: 53F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.1 secs

NEAR COAST OF ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8333	51	EP		431	18.69	-0.11							1.0
MORF	BZ	8333	51	AMb		431	23.94			79	2.1				
MESJ	BZ	8382	51	EP		431	21.39	0.11							1.0
MESJ	BZ	8382	51	AMb		431	31.99			30	1.4				

November 25 2010 Hour: 4:37 22.9 Lat: 36.61N Lon: 9.72W Depth: 12F 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	123	51	EP		437	42.26	0.13							1.0
MORF	HE	123	51	ES		437	56.12	-0.08							1.0
MORF	HE	123	51	AML		437	57.43			4	0.3				
MESJ	HZ	191	44	EP		437	50.75	-0.01							1.0
MESJ	HE	191	44	ES		438	11.10	-0.04							1.0
MESJ	HE	191	44	AML		438	12.14			1	0.1				

November 25 2010 Hour: 9:27 33.7 Lat: 38.42N Lon: 73.07E Depth: 120F Agency: IGL Distant
Magnitudes: 4.6MB IGL Rms: 0.0 secs

TAJIKISTAN Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6873	297	EP		937	39.93	-0.05							1.0
MESJ	BZ	6873	297	AMb		937	43.50			36	2.2				

November 25 2010 Hour: 16:58 12.3 Lat: 37.30N Lon: 9.30W Depth: 26F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.3 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	58	89	EP		1658	21.74	-0.35							1.0
MORF	HN	58	89	ES		1658	29.18	-0.04							1.0
MORF	HE	58	89	AML		1658	29.51			67	0.1				
MESJ	HE	113	58	ES		1658	42.26	0.41							1.0
MESJ	HE	113	58	AML		1658	44.69			22	0.1				

November 25 2010 Hour: 22:19 38.2 Lat: 36.79N Lon: 8.51W Depth: 1 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	59	348	EP		2219	47.65	-0.05							1.0
MORF	HN	59	348	ES		2219	54.67	0.05							1.0
MORF	HE	59	348	AML		2219	55.20			5	0.1				

November 26 2010 Hour: 2:10 1.4 Lat: 37.40N Lon: 8.50W Depth: 10F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	17	232	EP		210	4.62	-0.04							1.0
MESJ	HZ	55	27	EP		210	10.40	-0.02							1.0
MESJ	HN	55	27	ES		210	17.03	0.06							1.0
MESJ	HN	55	27	AML		210	17.49			35	0.2				

November 26 2010 Hour: 2:27 54.4 Lat: 37.00N Lon: 7.15W 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
MESJ	HZ	133	315	EP		228	15.53	0.05							1.0
MESJ	HN	133	315	ES		228	30.75	-0.08							1.0
MESJ	HN	133	315	AML		228	31.73			5	0.4				
MORF	HZ	138	285	EP		228	16.13	-0.08							1.0
MORF	HE	138	285	ES		228	32.21	0.11							1.0
MORF	HE	138	285	AML		228	33.29			5	0.3				

November 26 2010 Hour: 12:33 43.2 Lat: 28.11N Lon: 52.53E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3MB 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	5684	297	EP		1242	46.00	0.07							1.0
MESJ	BZ	5684	297	AMb		1242	52.96			79	1.3				
MORF	BZ	5730	297	EP		1242	49.03	-0.07							1.0
MORF	BZ	5730	297	AMb		1242	53.53			66	1.8				

November 26 2010 Hour: 14:29 33.9 Lat: 36.63N Lon: 9.71W Depth: 18F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	51	EP		1429	52.61	-0.02							1.0
MORF	HN	121	51	ES		1430	6.33	0.04							1.0
MORF	HE	121	51	AML		1430	7.34			22	0.2				
MESJ	HZ	188	44	EP		1430	0.98	-0.05							1.0
MESJ	HE	188	44	ES		1430	20.85	0.03							1.0
MESJ	HE	188	44	AML		1430	22.02			12	0.1				

November 26 2010 Hour: 17:36 13.1 Lat: 3.36S Lon: 131.02E Depth: 21F Agency: IGL Distant
Magnitudes: 5.4MS IGL Rms: 0.1 secs

CERAM SEA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14400	318	EPP			1757	29.29	0.14							1.0
MESJ	BN14400	318	AMS			1852	56.30			897	21.0				
GGNV	BZ14415	320	EPP			1757	30.02	0.04							1.0
GGNV	BE14415	320	AMS			1854	7.48			1299	21.9				
MORF	BZ14464	318	EPP			1757	32.78	-0.18							1.0
MORF	BN14464	318	AMS			1852	18.08			815	29.8				

November 27 2010 Hour: 2:44 52.9 Lat: 10.27N Lon: 43.16W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.4 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	4575	43	EP		252	37.51	0.48							1.0
MORF	BZ	4575	43	AMb		252	46.62			75	1.4				
MORF	BE	4575	43	ES		258	50.75	-0.23							1.0
GGNV	BN	4624	41	ES		258	57.02	-0.27							1.0
MESJ	BZ	4639	43	EP		252	42.21	0.53							1.0
MESJ	BZ	4639	43	AMb		252	49.96			52	3.3				
MESJ	BE	4639	43	ES		258	58.89	-0.49							1.0

November 27 2010 Hour: 7:14 51.2 Lat: 37.45N Lon: 9.14W Depth: 19F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.2 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	46	110	EP		714	59.20	0.09							1.0
MORF	HE	46	110	ES		715	4.98	0.11							1.0
MORF	HE	46	110	AML		715	6.26		2801	0.2					
MESJ	HE	92	62	ES		715	16.81	0.20							1.0
MESJ	HE	92	62	AML		715	17.97		776	0.2					
GGNV	HN	141	360	ES		715	27.43	-0.24							1.0
GGNV	HN	141	360	AML		715	28.22		111	0.1					
ALMR	SZ	196	14	EP		715	19.05	-0.08							0.9
ALMR	SN	196	14	ES		715	39.84	0.33							0.9
ALMR	SN	196	14	AML		715	41.85		115	0.3					
MESJ	HZ	92	62	EP		715	5.51	-0.39							1.0

November 27 2010 Hour: 7:39 50.6 Lat: 36.73N Lon: 9.70W Depth: 18F 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	113	55	EP		740	8.36	-0.03							1.0
MORF	HN	113	55	ES		740	21.45	0.07							1.0
MORF	HN	113	55	AML		740	21.99		9	0.2					
MESJ	HZ	180	46	EP		740	16.53	-0.12							1.0
MESJ	HN	180	46	ES		740	35.77	0.09							1.0
MESJ	HE	180	46	AML		740	37.42		3	0.2					

November 27 2010 Hour: 8:16 0.0 Lat: 37.46N Lon: 9.18W Depth: 13F Agency: IGL Regional
Magnitudes: 1.2ML 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	50	110	EP		816	8.40	0.11							1.0
MORF	HE	50	110	ES		816	14.27	-0.05							1.0
MORF	HE	50	110	AML		816	15.68		20						
MESJ	HN	95	63	ES		816	25.94	-0.07							1.0
MESJ	HN	95	63	AML		816	27.39		5	0.2					

November 27 2010 Hour: 14:28 25.1 Lat: 36.52N Lon: 2.44W Depth: 15F Agency: IGL Regional
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	533	288	EP		1429	35.07	0.06							1.0

November 28 2010 Hour: 3: 8 31.0 Lat: 37.31N Lon: 8.60W Depth: 14F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.2 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	265	EP		3 8	33.19	-0.21							1.0
MORF	HN	5	265	ES		3 8	35.28	0.10							1.0
MORF	HN	5	265	AML		3 8	35.93		10	0.2					
MESJ	HN	68	30	ES		3 8	50.02	0.13							1.0
MESJ	HN	68	30	AML		3 8	51.03		2	0.4					

November 28 2010 Hour: 13:13 56.6 Lat: 37.25N Lon: 7.92W Depth: 5F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NE LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	65	276	EP		1314	7.18	0.08							1.0
MORF	HN	65	276	ES		1314	14.75	-0.04							1.0
MORF	HN	65	276	AML		1314	16.69		3	0.1					
MESJ	HZ	71	338	EP		1314	8.09	0.12							1.0
MESJ	HN	71	338	ES		1314	16.15	-0.16							1.0
MESJ	HE	71	338	AML		1314	17.86		1	0.2					

November 28 2010 Hour: 18:7 48.6 Lat: 37.22N Lon: 7.90W Depth: 9F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

NE LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	67	278	EP		18 7	59.61	0.06							1.0
MORF	HE	67	278	ES		18 8	7.45	-0.10							1.0
MORF	HE	67	278	AML		18 8	8.42			3	0.2				
MESJ	HZ	74	338	EP		18 8	0.63	-0.04							1.0
MESJ	HE	74	338	ES		18 8	9.56	0.07							1.0
MESJ	HN	74	338	AML		18 8	10.63			2	0.1				

November 28 2010 Hour: 21:54 21.8 Lat: 37.70N Lon: 9.43W Depth: 1F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	82	122	EP		2154	35.08	0.08							1.0
MORF	HN	82	122	ES		2154	44.58	-0.03							1.0
MORF	HN	82	122	AML		2154	44.77			10	0.2				
MESJ	HZ	108	81	EP		2154	39.02	-0.20							1.0
MESJ	HN	108	81	ES		2154	52.05	0.15							1.0
MESJ	HN	108	81	AML		2154	53.35			7	0.4				

November 29 2010 Hour: 18:17 45.6 Lat: 36.77N Lon: 7.50W Depth: 24F 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	HE	118	301	ES		1818	16.58	-0.11							1.0
MORF	HE	118	301	AML		1818	17.46			4	0.3				
MESJ	HZ	135	332	EP		1818	5.54	-0.04							1.0
MESJ	HE	135	332	ES		1818	20.30	0.15							1.0
MESJ	HE	135	332	AML		1818	21.70			3	0.2				

November 29 2010 Hour: 19:27 3.2 Lat: 36.17N Lon: 7.65W Depth: 14F 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	155	325	EP		1927	26.38	-0.09							1.0
MORF	HN	155	325	ES		1927	43.57	0.09							1.0
MORF	HN	155	325	AML		1927	45.67			6	0.4				

November 29 2010 Hour: 20:41 12.7 Lat: 36.33N Lon: 5.61W Depth: 11F 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	286	307	EP		2041	52.60	-0.01							1.0
MESJ	HN	286	307	ES		2042	21.65	-0.08							1.0
MESJ	HE	286	307	AML		2042	23.35			12	0.4				
MORF	HZ	292	293	EP		2041	53.48	0.10							1.0

November 29 2010 Hour: 23:57 26.6 Lat: 37.08N Lon: 12.37W Depth: 1 Agency: IGL Regional
Magnitudes: 4.0ML 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	331	85	EP		2358	13.07	0.04							1.0
MORF	HN	331	85	ES		2358	46.55	-0.40							1.0
MORF	HE	331	85	AML		2358	49.56			699	0.1				
GGNV	HZ	337	56	EP		2358	13.93	0.29							1.0
GGNV	HN	337	56	ES		2358	47.74	-0.27							1.0
GGNV	HE	337	56	AML		2358	50.45			756	0.3				
MESJ	HZ	377	76	EP		2358	18.68	0.03							1.0
MESJ	HN	377	76	ES		2358	56.77	0.09							1.0
MESJ	HE	377	76	AML		2358	58.12			143	0.2				
ALMR	SZ	405	54	EP		2358	22.40	0.29							1.0

ALMR SN 405 54 ES 2359 2.64-0.03 1.0
 ALMR SE 405 54 AML 2359 4.48 698 0.2

**November 30 2010 Hour: 3:24 41.8 Lat: 28.36N Lon: 139.15E Depth:475F Agency: IGL Distant
 Magnitudes: 6.2MS IGL Rms: 0.2 secs**

BONIN ISLANDS, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11901	335	EPP			342	39.07	0.22							1.0
GGNV	BE11901	335	AMS			424	12.91		7052	20.0					
MESJ	BZ11946	333	EPP			342	41.73	-0.07							1.0
MESJ	BZ11946	333	AMS			433	14.25		5924	19.8					
MORF	BZ12016	333	EPP			342	46.26	-0.15							1.0
MORF	BZ12016	333	AMS			433	42.04		5707	19.7					

**November 30 2010 Hour: 14:34 33.6 Lat: 37.04N Lon: 8.37W Depth: 8F Agency: IGL Regional
 Magnitudes: 1.9ML IGL Rms: 0.2 secs**

SW ALBUFEIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	39	320	EP		1434	39.72	-0.26							1.0
MORF	HN	39	320	ES		1434	44.69	0.05							1.0
MORF	HN	39	320	AML		1434	44.93		126	0.2					
MESJ	HZ	90	8	EP		1434	48.49	0.41							1.0
MESJ	HN	90	8	ES		1434	58.65	-0.01							1.0
MESJ	HN	90	8	AML		1434	59.05		26	0.1					
ALMR	SN	235	356	ES		1435	32.00	-0.21							0.9
ALMR	SE	235	356	AML		1435	32.82		10	0.5					

**December 1 2010 Hour: 0: 8 5.6 Lat: 36.62N Lon: 11.31W Depth: 31F Agency: IGL Regional
 Magnitudes: 1.8ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	249	71	EP		0 8	39.26	-0.03							1.0
MORF	HE	249	71	ES		0 9	4.01	0.14							1.0
MORF	HN	249	71	AML		0 9	5.45		8	0.1					
MESJ	HZ	306	63	EP		0 8	46.27	-0.07							1.0
MESJ	HN	306	63	ES		0 9	16.03	-0.04							1.0
MESJ	HN	306	63	AML		0 9	17.61		2	0.1					

**December 1 2010 Hour: 8:14 38.5 Lat: 36.82N Lon: 11.06W Depth: 30F Agency: IGL Regional
 Magnitudes: 1.8ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	221	75	EP		815	8.79	0.03							1.0
MORF	HN	221	75	ES		815	30.78	-0.09							1.0
MORF	HN	221	75	AML		815	32.16		6	0.2					
MESJ	HN	276	65	ES		815	42.69	0.06							1.0
MESJ	HN	276	65	AML		815	43.65		5	0.7					

**December 1 2010 Hour: 12:25 44.4 Lat: 36.49N Lon: 5.65W Depth: 13F 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
MESJ	HZ	273	304	EP		1226	22.38	-0.09							1.0
MESJ	HE	273	304	ES		1226	50.35	0.09							1.0
MESJ	HN	273	304	AML		1226	52.41		10	0.2					

**December 2 2010 Hour: 0: 5 29.5 Lat: 36.66N Lon: 9.79W Depth: 15F 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	124	54	EP		0 5	48.81	-0.08							1.0
MORF	HN	124	54	ES		0 6	3.08	0.00							1.0
MORF	HE	124	54	AML		0 6	3.98		7	0.1					
MESJ	HZ	191	46	EP		0 5	57.11	-0.06							1.0

MESJ HE 191 46 ES 0 6 17.56 0.15 1.0
 MESJ HE 191 46 AML 0 6 18.57 3 0.2

**December 2 2010 Hour: 1:39 58.7 Lat: 36.98N Lon: 5.30W Depth: 19F 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 276 291 EP 140 36.55 0.02 1.0

**December 2 2010 Hour: 3:12 8.5 Lat: 6.06S Lon: 149.85E Depth: 35F Agency: IGL Distant
 Magnitudes: 6.7MS IGL Rms: 0.2 secs**

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ15845 333 EP 331 36.50-0.20 1.0
 GGNV BE15845 333 AMS 440 24.58 12506 18.8
 MESJ BZ15874 331 EP 331 37.33 0.14 1.0
 MESJ BZ15874 331 EPP 334 46.18 0.36 1.0
 MESJ BE15874 331 ESS 353 20.85-0.26 1.0
 MESJ BN15874 331 AMS 437 9.31 12751 21.1
 MORF BZ15944 331 EP 331 38.49 0.14 1.0
 MORF BZ15944 331 EPP 334 49.51-0.17 1.0
 MORF BN15944 331 AMS 437 16.98 14048 21.9

**December 2 2010 Hour: 6:13 48.5 Lat: 35.69N Lon: 10.02W Depth: 31F 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 217 34 EP 614 18.29 0.05 1.0
 MORF HE 217 34 ES 614 39.94-0.04 1.0
 MORF HE 217 34 AML 614 41.06 6 0.3
 MESJ HE 288 33 ES 614 55.02-0.01 1.0
 MESJ HN 288 33 AML 614 56.40 2 0.5

**December 2 2010 Hour: 14: 1 41.0 Lat: 37.06N Lon: 9.96W Depth: 16F 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 119 76 EP 14 1 59.66-0.07 1.0
 MORF HE 119 76 ES 14 2 13.50 0.09 1.0
 MORF HN 119 76 AML 14 2 15.14 14 0.2
 MESJ HZ 177 60 EP 14 2 6.79-0.01 1.0
 MESJ HN 177 60 ES 14 2 25.63-0.02 1.0
 MESJ HN 177 60 AML 14 2 27.38 2 0.3

**December 3 2010 Hour: 5:40 55.2 Lat: 36.72N Lon: 7.34W Depth: 27F Agency: IGL Regional
 Magnitudes: 2.2ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HN 134 300 ES 541 29.08-0.08 1.0
 MORF HE 134 300 AML 541 29.56 42 0.1
 MESJ HZ 147 328 EP 541 16.51 0.09 1.0
 MESJ HE 147 328 ES 541 31.92-0.01 1.0
 MESJ HN 147 328 AML 541 33.40 23 0.3

**December 3 2010 Hour: 19: 0 13.5 Lat: 33.31N Lon: 12.90W Depth: 0 Agency: IGL Regional
 Magnitudes: 2.4ML IGL Rms: 0.0 secs**

MADEIRA ISLANDS, PORTUGAL REGION Net: MAD

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 589 40 EP 19 1 31.55-0.04 1.0
 MORF HE 589 40 ES 19 2 28.59-0.03 1.0
 MORF HN 589 40 AML 19 2 30.67 9 0.2
 MESJ HZ 658 39 EP 19 1 39.96-0.02 1.0
 MESJ HE 658 39 ES 19 2 43.21 0.08 1.0
 MESJ HE 658 39 AML 19 2 45.75 3 0.1

December 4 2010 Hour: 3:49 9.5 Lat: 36.52N Lon: 26.37E Depth:127F Agency: IGL Distant
Rms: 0.0 secs

DODECANESE ISLANDS, GREECE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3058	283	EP		354	43.98	0.02							1.0

December 6 2010 Hour: 0:23 36.1 Lat: 36.57N Lon: 7.64W Depth: 19F Agency: IGL Regional
Magnitudes: 2.0ML 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	HN	122	313	ES		0	3	8.56	-0.04						1.0
MORF	HN	122	313	AML		0	3	9.24		38	0.3				
MESJ	HZ	150	340	EP		0	2	58.47	0.07						1.0
MESJ	HE	150	340	ES		0	3	14.61	-0.04						1.0
MESJ	HN	150	340	AML		0	3	15.38		16	0.2				

December 6 2010 Hour: 15:23 27.3 Lat: 37.01N Lon: 11.08W Depth: 31F Agency: IGL Regional
Magnitudes: 2.0ML 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	218	81	EP		1523	57.14	-0.08							1.0
MORF	HN	218	81	ES		1524	18.85	-0.19							1.0
MORF	HE	218	81	AML		1524	20.03			16	0.1				
MESJ	HZ	269	69	EP		1524	3.86	0.32							1.0
MESJ	HN	269	69	ES		1524	29.93	-0.04							1.0
MESJ	HE	269	69	AML		1524	31.20			5	0.3				

December 8 2010 Hour: 5:22 11.4 Lat: 38.78N Lon: 7.87W Depth: 3F Agency: IGL Regional
Magnitudes: 1.6ML IGL
Rms: 0.1 secs

NE ARRAIOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	109	196	EP		522	29.12	0.12							1.0
MESJ	HE	109	196	ES		522	41.68	-0.13							1.0
MESJ	HN	109	196	AML		522	42.63			8	0.1				
MORF	HN	177	203	ES		522	58.55	0.02							1.0
MORF	HN	177	203	AML		523	0.18			8	0.3				

December 8 2010 Hour: 5:24 34.5 Lat: 56.44S Lon: 25.87W Depth: 17F Agency: IGL Distant
Magnitudes: 6.2MS IGL
Rms: 0.3 secs

SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10497	14	EP			537	53.17	0.36							1.0
MORF	BE10497	14	ES			548	28.42	0.29							1.0
MORF	BZ10497	14	AMS			614	44.35		10361	23.6					
MESJ	BZ10562	14	EP			537	55.45	0.05							1.0
MESJ	BE10562	14	ES			548	30.79	-0.38							1.0
MESJ	BZ10562	14	AMS			615	52.51		10015	18.9					
GGNV	BN10644	13	ES			548	34.75	-0.33							1.0
GGNV	BN10644	13	AMS			614	12.98		6751	25.1					

December 8 2010 Hour: 9:33 40.0 Lat: 36.69N Lon: 9.78W Depth: 15F Agency: IGL Regional
Magnitudes: 1.3ML 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	122	55	EP		933	59.00	-0.12							1.0
MORF	HE	122	55	ES		934	13.31	0.24							1.0
MORF	HN	122	55	AML		934	14.03			5	0.2				
MESJ	HZ	188	47	EP		934	7.17	-0.20							1.0
MESJ	HN	188	47	ES		934	27.40	0.07							1.0
MESJ	HN	188	47	AML		934	29.82			3	0.2				

December 9 2010 Hour: 23:17 31.5 Lat: 31.56N Lon: 70.14E Depth: 10F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.0 secs

PAKISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7003	299	EP		2327	58.48	0.02							1.0
MESJ	BZ	7003	299	AMb		2328	1.73			31	1.7				
MORF	BZ	7060	299	EP		2328	1.87	-0.02							1.0
MORF	BZ	7060	299	AMb		2328	7.29			34	1.4				

December 10 2010 Hour: 17:48 21.7 Lat: 23.87N Lon: 45.72W Depth: 11F Agency: IDL Distant
Magnitudes: 5.2MB IGL Rms: 0.3 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	3825	58	EP		1755	9.20	0.40							1.0
MORF	BZ	3825	58	AMb		1755	11.42			76	1.5				
MORF	BN	3825	58	ES		18 0	37.21	-0.29							1.0
MESJ	BZ	3875	58	EP		1755	12.67	0.05							1.0
MESJ	BZ	3875	58	AMb		1755	18.15			58	2.0				
MESJ	BE	3875	58	ES		18 0	44.17	-0.15							1.0

December 11 2010 Hour: 17:42 9.3 Lat: 37.37N Lon: 13.83W Depth: 5F 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	459	89	EP		1743	11.08	-0.05							1.0
MORF	HN	459	89	ES		1743	56.01	-0.27							1.0
MORF	HE	459	89	AML		1743	56.43			24	0.2				
MESJ	HZ	498	82	EP		1743	15.88	0.04							1.0
MESJ	HN	498	82	ES		1744	4.49	0.06							1.0
MESJ	HN	498	82	AML		1744	6.24			10	0.3				
ALMR	SZ	500	65	EP		1743	16.25	0.09							1.0
ALMR	SN	500	65	ES		1744	5.13	0.15							1.0
ALMR	SN	500	65	AML		1744	6.32			10	0.1				

December 11 2010 Hour: 18:47 26.4 Lat: 37.22N Lon: 8.14W Depth: 8F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NW LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	46	282	EP		1847	33.93	-0.05							1.0
MORF	HN	46	282	ES		1847	39.72	0.19							1.0
MORF	HN	46	282	AML		1847	40.76			18	0.1				
MESJ	HZ	69	354	EP		1847	37.54	-0.07							1.0
MESJ	HE	69	354	ES		1847	45.73	-0.08							1.0
MESJ	HE	69	354	AML		1847	46.96			7	0.1				

December 11 2010 Hour: 21:49 37.1 Lat: 36.14N Lon: 7.50W Depth: 20F 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
MORF	HZ	165	322	EP		2150	1.15	-0.06							1.0
MORF	HN	165	322	ES		2150	18.82	0.02							1.0
MORF	HN	165	322	AML		2150	19.70			24	0.2				
MESJ	HZ	199	341	EP		2150	5.45	0.06							1.0
MESJ	HN	199	341	ES		2150	26.01	-0.02							1.0
MESJ	HN	199	341	AML		2150	26.81			10	0.1				

December 12 2010 Hour: 0:44 29.9 Lat: 36.46N Lon: 5.32W Depth: 11F Agency: IGL Regional
Magnitudes: 2.0ML 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
MESJ	HZ	300	302	EP		045	11.26	-0.16							1.0
MORF	HZ	311	289	EP		045	13.05	0.16							1.0

December 12 2010 Hour: 4:3 59.6 Lat: 36.29N Lon: 9.66W Depth: 21F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	144	38	EP		4	4	20.98	-0.08						1.0
MORF	HN	144	38	ES		4	4	36.64	-0.05						1.0
MORF	HN	144	38	AML		4	4	38.30		8	0.4				
MESJ	HZ	214	36	EP		4	4	29.66	-0.07						1.0
MESJ	HN	214	36	ES		4	4	51.89	0.20						1.0
MESJ	HN	214	36	AML		4	4	52.87		2	0.1				

December 12 2010 Hour: 12:3 6.1 Lat: 37.06N Lon: 8.00W Depth: 10F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.2 secs

NW FARO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	64	296	EP		12	3	16.40	-0.20						1.0
MORF	HE	64	296	ES		12	3	24.42	0.19						1.0
MORF	HE	64	296	AML		12	3	25.81		3	0.2				
MESJ	HZ	89	347	EP		12	3	20.16	-0.21						1.0
MESJ	HN	89	347	ES		12	3	30.97	0.22						1.0
MESJ	HN	89	347	AML		12	3	31.71		2	0.1				

December 12 2010 Hour: 13:12 6.6 Lat: 37.30N Lon: 8.54W Depth: 14F Agency: IGL Regional
Magnitudes: 0.4ML 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	10	274	EP		1312		9.25	-0.12						1.0
MORF	HE	10	274	ES		1312		11.49	0.07						1.0
MORF	HE	10	274	AML		1312		11.91		8	0.1				
MESJ	HN	66	25	ES		1312		25.15	0.05						1.0
MESJ	HN	66	25	AML		1312		26.13		2	0.2				

December 12 2010 Hour: 14:53 8.7 Lat: 6.42S Lon: 150.36E Depth: 9F Agency: IGL Distant
Rms: 0.4 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15936	331	EP			1512		43.06	0.43						1.0
MORF	BZ16007	331	EP			1512		43.35	-0.43						1.0

December 12 2010 Hour: 17:50 37.2 Lat: 27.89S Lon: 176.95W Depth: 24F Agency: IGL Distant
Magnitudes: 5.4MS IGL Rms: 0.0 secs

KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18498	41	EP			1810		39.83	0.06						1.0
MESJ	BZ18498	41	EPP			1815		28.99	-0.07						1.0
MESJ	BZ18498	41	AMS			1917		38.23		396	20.3				
MORF	BZ18509	43	EP			1810		39.92	0.02						1.0
MORF	BZ18509	43	EPP			1815		29.61	-0.01						1.0
MORF	BZ18509	43	AMS			1924		24.95		491	17.0				

December 13 2010 Hour: 1:14 44.6 Lat: 6.56S Lon: 155.64E Depth: 147F Agency: IGL Distant
Magnitudes: 5.6MS 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
ALMR	SZ16092	339	EP			134		2.20	-0.20						1.0
GGNV	BZ16159	339	EP			134		4.26	-0.06						1.0
GGNV	BZ16159	339	AMS			242		32.27		1158	20.8				
MESJ	BZ16206	337	EP			134		4.90	0.20						1.0
MESJ	BZ16206	337	AMS			241		42.22		915	22.5				
MORF	BZ16276	337	EP			134		5.87	0.06						1.0
MORF	BZ16276	337	AMS			244		4.24		1147	17.4				

December 13 2010 Hour: 14:25 35.2 Lat: 37.35N Lon: 8.51W Depth: 1F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.3 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	249	EP		1425	36.77	-0.57							1.0
MORF	HN	13	249	ES		1425	39.09	0.17							1.0
MORF	HE	13	249	AML		1425	39.59			37	0.1				
MESJ	HZ	60	25	EP		1425	44.97	0.12							1.0
MESJ	HE	60	25	ES		1425	52.22	0.30							1.0
MESJ	HE	60	25	AML		1425	53.47			6	0.2				

December 14 2010 Hour: 1:15 1.6 Lat: 37.28N Lon: 8.53W Depth: 9F Agency: IGL Regional
Magnitudes: 0.4ML 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	11	285	EP		115	3.77	-0.18							1.0
MORF	HN	11	285	ES		115	5.76	0.08							1.0
MORF	HN	11	285	AML		115	6.18			21	0.1				
MESJ	HN	68	24	ES		115	20.80	0.10							1.0
MESJ	HN	68	24	AML		115	21.80			1	0.4				

December 14 2010 Hour: 3:39 53.4 Lat: 38.09N Lon: 8.35W Depth: 3F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

W FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	30	158	EP		339	58.33	0.01							1.0
MESJ	HN	30	158	ES		340	1.75	-0.13							1.0
MESJ	HN	30	158	AML		340	1.97			9	0.1				
MORF	HZ	91	197	EP		340	8.34	0.22							1.0
MORF	HN	91	197	ES		340	18.75	-0.09							1.0
MORF	HN	91	197	AML		340	20.55			5	0.3				

December 14 2010 Hour: 8:33 42.8 Lat: 36.76N Lon: 7.46W Depth: 25F 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	122	300	EP		834	1.03	-0.10							1.0
MORF	HN	122	300	ES		834	14.54	0.02							1.0
MORF	HN	122	300	AML		834	15.30			9	0.1				
MESJ	HZ	137	331	EP		834	3.00	-0.01							1.0
MESJ	HN	137	331	ES		834	17.86	0.09							1.0
MESJ	HN	137	331	AML		834	18.16			3	0.1				

December 14 2010 Hour: 17:11 22.1 Lat: 37.29N Lon: 8.64W Depth: 9F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.2 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	2	332	EP		1711	23.54	-0.17							1.0
MORF	HN	2	332	ES		1711	25.01	0.15							1.0
MORF	HN	2	332	AML		1711	25.40			22	0.2				
MESJ	HZ	71	31	EP		1711	33.90	0.16							1.0
MESJ	HN	71	31	ES		1711	42.09	-0.13							1.0
MESJ	HN	71	31	AML		1711	42.73			2	0.4				

December 14 2010 Hour: 17:45 20.5 Lat: 35.51N Lon: 4.18W Depth: 0 Agency: IGL Regional
Magnitudes: 2.4ML 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	444	307	EP		1746	21.04	-0.10							1.0
MESJ	HE	444	307	ES		1747	5.39	0.01							1.0
MESJ	HE	444	307	AML		1747	8.45			8	0.2				
MORF	HZ	448	298	EP		1746	21.46	-0.16							1.0
MORF	HE	448	298	ES		1747	6.45	0.24							1.0

MORF HE 448 298 AML 1747 7.94 7 0.2

**December 15 2010 Hour: 1:7 6.7 Lat: 36.63N Lon: 7.28W Depth: 8F 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	HE	143	302	ES		1 7	45.57	0.01							1.0
MORF	HN	143	302	AML		1 7	48.02			15	0.2				
MESJ	HZ	158	328	EP		1 7	30.95	0.00							1.0
MESJ	HE	158	328	ES		1 7	48.67	0.00							1.0
MESJ	HN	158	328	AML		1 7	51.27			11	0.2				

**December 15 2010 Hour: 1:56 48.4 Lat: 35.77N Lon: 9.67W Depth: 5F 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	193	28	EP		157	17.31	-0.06							1.0
MORF	HN	193	28	ES		157	38.51	-0.04							1.0
MORF	HN	193	28	AML		157	40.49			3	0.1				
MESJ	HZ	264	29	EP		157	26.15	0.08							1.0
MESJ	HN	264	29	ES		157	53.61	0.03							1.0
MESJ	HE	264	29	AML		157	56.52			2	0.2				

**December 15 2010 Hour: 2:43 7.6 Lat: 36.61N Lon: 7.21W Depth: 14F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	163	327	EP		243	31.88	-0.06							1.0
MESJ	HN	163	327	ES		243	49.77	0.06							1.0
MESJ	HN	163	327	AML		243	50.30			2	0.2				

**December 15 2010 Hour: 4:50 30.5 Lat: 36.90N Lon: 7.51W Depth: 26F 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	HZ	111	294	EP		450	47.45	0.09							1.0
MORF	HN	111	294	ES		450	59.63	-0.06							1.0
MORF	HN	111	294	AML		451	0.62			3	0.2				
MESJ	HZ	122	329	EP		450	48.60	-0.06							1.0
MESJ	HE	122	329	ES		451	1.98	0.03							1.0
MESJ	HE	122	329	AML		451	2.76			2	0.3				

**December 15 2010 Hour: 11:29 30.6 Lat: 7.25S Lon: 128.82E Depth:133F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.3 secs**

KEPULAUAN BARAT DAYA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14543	315	EP			1148	25.61	0.18							1.0
MESJ	BZ14543	315	EPP			1150	42.65	0.33							1.0
MESJ	BZ14543	315	AMS			1251	55.54			344	16.4				
GGNV	BZ14570	316	EPP			1150	43.64	-0.20							1.0
MORF	BZ14604	314	EPP			1150	45.59	-0.31							1.0
MORF	BZ14604	314	AMS			1255	2.73			554	18.4				

**December 15 2010 Hour: 15:16 39.8 Lat: 36.99N Lon: 10.46W Depth: 11F 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	165	77	EP		1517	4.51	-0.05							1.0
MORF	HN	165	77	ES		1517	22.64	-0.03							1.0
MORF	HN	165	77	AML		1517	23.93			15	0.1				
MESJ	HE	220	64	ES		1517	34.52	0.08							1.0
MESJ	HE	220	64	AML		1517	36.36			3	0.3				

December 15 2010 Hour: 21:58 7.1 Lat: 36.52N Lon: 9.69W Depth: 0 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	46	EP		2158	27.64	0.01							1.0
MORF	HN	127	46	ES		2158	42.60	-0.01							1.0
MORF	HE	127	46	AML		2158	43.47			4	0.1				

December 16 2010 Hour: 1:9 16.2 Lat: 36.75N Lon: 8.14W Depth: 21F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	77	324	EP		1 9	28.61	-0.10							1.0
MORF	HN	77	324	ES		1 9	38.04	0.19							1.0
MORF	HN	77	324	AML		1 9	38.71			27	0.2				
MESJ	HZ	121	357	EP		1 9	34.79	0.05							1.0
MESJ	HN	121	357	ES		1 9	48.13	-0.14							1.0
MESJ	HN	121	357	AML		1 9	49.15			6	0.3				

December 16 2010 Hour: 3:43 44.4 Lat: 36.81N Lon: 3.08W Depth: 0F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.3 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	470	286	EP		344	48.43	0.35							1.0
MESJ	HN	470	286	ES		345	34.24	-0.35							1.0
MESJ	HN	470	286	AML		345	35.94			3	0.5				

December 16 2010 Hour: 6:50 58.3 Lat: 39.35N Lon: 14.28W Depth: 6F Agency: IGL Regional
Magnitudes: 4.7ML IGL Rms: 0.3 secs

NORTH ATLANTIC OCEAN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	450	97	EP		651	59.01	0.04							1.0
GGNV	HE	450	97	ES		652	43.88	0.62							1.0
GGNV	HN	450	97	AML		652	46.07			2401	0.6				
ALMR	SZ	493	91	EP		652	4.35	0.15							1.0
ALMR	SE	493	91	ES		652	52.26	-0.04							1.0
ALMR	SN	493	91	AML		652	56.30			2276	0.5				
MORF	HZ	542	113	EP		652	9.65	-0.54							1.0
MORF	HN	542	113	ES		653	2.60	-0.05							1.0
MORF	HE	542	113	AML		653	3.42			359	0.3				
MESJ	HZ	554	106	EP		652	11.38	-0.22							0.9
MESJ	HE	554	106	ES		653	5.06	-0.05							0.9
MESJ	HE	554	106	AML		653	9.10			1094	0.2				

December 16 2010 Hour: 7:11 59.7 Lat: 10.80S Lon: 73.50W Depth:122FAgency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.1 secs

CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8599	48	EP		723	40.90	0.11							1.0
MORF	BZ	8599	48	AMB		723	47.12			118	2.0				

December 17 2010 Hour: 12:43 22.8 Lat: 36.77N Lon: 8.74W 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	60	8	EP		1243	32.88	-0.13							1.0
MORF	HN	60	8	ES		1243	40.59	0.15							1.0
MORF	HN	60	8	AML		1243	41.05			47	0.1				
MESJ	HZ	127	21	EP		1243	41.47	-0.13							1.0
MESJ	HN	127	21	ES		1243	55.40	0.10							1.0
MESJ	HE	127	21	AML		1243	56.93			14	0.1				

December 17 2010 Hour: 22:15 15.6 Lat: 39.78N Lon: 3.38W Depth: 9F Agency: IGL Regional
Magnitudes: 3.3ML IGL Rms: 0.2 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	452	263	EP		2216	16.23	-0.03							1.0
ALMR	SE	452	263	ES		2217	0.38	-0.15							1.0
ALMR	SE	452	263	AML		2217	5.86		103	0.9					
MESJ	HZ	472	244	EP		2216	18.83	0.13							1.0
MESJ	HN	472	244	ES		2217	5.10	0.36							1.0
MESJ	HE	472	244	AML		2217	10.70		29	0.3					
MORF	HZ	535	241	EP		2216	26.15	-0.20							1.0
MORF	HN	535	241	ES		2217	17.86	-0.13							1.0
MORF	HN	535	241	AML		2217	20.52		53	0.4					

December 19 2010 Hour: 6:47 50.8 Lat: 36.93N Lon: 7.58W Depth: 20F 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	104	294	EP		648	7.36	0.11							1.0
MORF	HN	104	294	ES		648	19.13	-0.10							1.0
MORF	HN	104	294	AML		648	21.40		11	0.2					
MESJ	HZ	116	331	EP		648	8.67	-0.09							1.0
MESJ	HE	116	331	ES		648	21.92	0.08							1.0
MESJ	HE	116	331	AML		648	23.37		3	0.2					

December 19 2010 Hour: 14:41 21.3 Lat: 42.64N Lon: 9.23W Depth: 2F Agency: IGL Regional
Magnitudes: 2.4ML 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	540	171	EP		1442	33.17	-0.15							1.0
MESJ	HE	540	171	ES		1443	25.80	-0.06							1.0
MESJ	HE	540	171	AML		1443	27.51		4	0.6					
MORF	HZ	594	175	EP		1442	40.16	0.22							1.0
MORF	HN	594	175	ES		1443	37.32	0.00							1.0
MORF	HN	594	175	AML		1443	39.04		8	0.2					

December 19 2010 Hour: 17:24 26.0 Lat: 36.50N Lon: 8.11W Depth: 30F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	102	332	EP		1724	41.43	-0.03							1.0
MORF	HN	102	332	ES		1724	52.84	0.08							1.0
MORF	HN	102	332	AML		1724	53.07		19	0.2					
MESJ	HZ	149	356	EP		1724	47.33	0.04							1.0
MESJ	HE	149	356	ES		1725	2.76	-0.09							1.0
MESJ	HE	149	356	AML		1725	4.18		21	0.2					

December 20 2010 Hour: 6:54 20.4 Lat: 37.42N Lon: 9.11W Depth: 27F Agency: IGL Regional
Magnitudes: 1.7ML 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	43	107	EP		654	28.32	0.12							1.0
MORF	HN	43	107	ES		654	33.92	0.02							1.0
MORF	HE	43	107	AML		654	34.31		46	0.2					
MESJ	HZ	91	59	EP		654	34.60	-0.14							1.0

December 20 2010 Hour: 17:21 25.9 Lat: 13.02N Lon: 88.63W Depth: 70F Agency: IGL Distant
Magnitudes: 5.3MS IGL Rms: 0.3 secs

OFFSHORE EL SALVADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BE	8217	53	ES		1742	19.46	-0.29							1.0
GGNV	BE	8217	53	AMS		1758	37.89		1847	21.5					
MORF	BZ	8272	55	EP		1732	56.55	0.43							1.0

MORF	BE	8272	55	ES		1742	25.26	-0.19									1.0
MORF	BE	8272	55	AMS		18 2	31.23			1435	27.0						
MESJ	BZ	8305	54	EP		1732	58.07	0.27									1.0
MESJ	BE	8305	54	ES		1742	28.48	-0.22									1.0
MESJ	BZ	8305	54	AMS		18 0	55.87			1762	23.3						

December 20 2010 Hour: 18:41 59.8 Lat: 28.49N Lon: 59.12E Depth: 12F Agency: IGL Distant
Magnitudes: 6.3MS IGL Rms: 0.3 secs

SOUTHEASTERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6235	298	EP		1851	39.22	0.57							1.0
MESJ	BN	6235	298	ES		1859	27.83	-0.10							1.0
MESJ	BZ	6235	298	AMS		1917	46.55			34784	22.0				
MORF	BZ	6285	298	EP		1851	41.82	-0.07							1.0
MORF	BN	6285	298	ES		1859	33.70	-0.25							1.0
MORF	BE	6285	298	AMS		1920	27.96			25511	21.5				
GGNV	BZ	6295	299	EP		1851	42.65	0.20							1.0
GGNV	BN	6295	299	ES		1859	34.67	-0.34							1.0
GGNV	BZ	6295	299	AMS		1920	8.47			22479	22.4				

December 21 2010 Hour: 4: 6 39.3 Lat: 36.42N Lon: 9.72W Depth: 6F 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	137	44	EP		4 7	1.13	0.04							1.0
MORF	HN	137	44	ES		4 7	17.05	0.06							1.0
MORF	HN	137	44	AML		4 7	17.52			49	0.2				
MESJ	HZ	206	40	EP		4 7	9.65	-0.14							1.0
MESJ	HN	206	40	ES		4 7	32.08	0.04							1.0
MESJ	HN	206	40	AML		4 7	33.09			17	0.1				

December 21 2010 Hour: 10:41 12.2 Lat: 37.08N Lon: 8.51W Depth: 18F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	28	334	EP		1041	17.58	0.04							1.0
MORF	HN	28	334	ES		1041	21.38	-0.04							1.0
MORF	HE	28	334	AML		1041	21.73			37	0.2				

December 21 2010 Hour: 16:59 26.8 Lat: 37.00N Lon: 8.41W Depth: 17F 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	40	328	EP		1659	33.62	-0.08							1.0
MORF	HN	40	328	ES		1659	38.85	0.09							1.0
MORF	HN	40	328	AML		1659	39.17			14	0.2				
MESJ	HZ	95	10	EP		1659	41.89	0.07							1.0
MESJ	HN	95	10	ES		1659	52.74	-0.07							1.0
MESJ	HE	95	10	AML		1659	53.25			5	0.3				

December 21 2010 Hour: 17: 8 19.5 Lat: 39.17N Lon: 8.53W Depth: 29F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

SE ALMEIRIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	4	247	EP		17 8	24.01	-0.04							1.0
ALMR	SE	4	247	ES		17 8	27.37	0.02							1.0
ALMR	SE	4	247	AML		17 8	27.67			1358	0.2				
GGNV	HZ	74	227	EP		17 8	31.40	-0.13							1.0
GGNV	HE	74	227	ES		17 8	40.22	-0.07							1.0
GGNV	HE	74	227	AML		17 8	41.04			304	0.2				
MESJ	HZ	150	170	EP		17 8	41.30	0.24							0.9

December 21 2010 Hour: 17:19 41.2 Lat: 26.89N Lon: 143.73E Depth: 14F Agency: IGL Distant
Magnitudes: 7.8MS IGL Rms: 0.1 secs

BONIN ISLANDS, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ12234	338	EPdif			1734	9.86	-0.02							1.0
GGNV	BZ12234	338	EPP			1738	44.87	0.11							1.0
GGNV	BE12234	338	AMS			1823	35.78		275000	14.8					
MESJ	BZ12286	337	EPdif			1734	11.92	-0.05							1.0
MESJ	BZ12286	337	EPP			1738	48.15	0.01							1.0
MESJ	BE12286	337	AMS			1821	21.36		192000	19.2					
MORF	BZ12356	337	EPdif			1734	14.77	-0.04							1.0
MORF	BZ12356	337	EPP			1738	52.72	-0.01							1.0
MORF	BE12356	337	AMS			1821	48.01		207000	21.1					

December 22 2010 Hour: 16:31 12.8 Lat: 35.89N Lon: 4.86W Depth: 0 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
MESJ	HN	370	307	ES		1632	41.78	0.12							1.0
MESJ	HN	370	307	AML		1632	43.89		16	0.2					
MORF	HZ	374	296	EP		1632	4.34	-0.39							1.0
MORF	HN	374	296	ES		1632	42.90	0.26							1.0
MORF	HN	374	296	AML		1632	44.45		22	0.4					
MESJ	HZ	370	307	EP		1632	4.17	0.00							1.0

December 22 2010 Hour: 21:49 39.0 Lat: 26.78N Lon: 143.63E Depth: 11F Agency: IGL Distant
Magnitudes: 6.6MS IGL Rms: 0.2 secs

BONIN ISLANDS, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ12242	338	EPP			22 8	42.48	-1.06							0.0
GGNV	BN12242	338	ESS			2224	10.40	-0.21							1.0
GGNV	BE12242	338	AMS			2253	32.40		19348	19.3					
MESJ	BZ12293	336	EPP			22 8	46.23	-0.67							0.0
MESJ	BE12293	336	AMS			2251	17.28		13420	23.2					
MORF	BZ12363	337	EPP			22 8	51.89	0.40							0.0
MORF	BN12363	337	ESS			2224	25.55	0.21							1.0
MORF	BE12363	337	AMS			2251	44.95		13938	20.2					

December 23 2010 Hour: 14: 0 32.3 Lat: 53.12N Lon: 171.17E Depth: 20F Agency: IGL Distant
Magnitudes: 6.4MS IGL Rms: 0.3 secs

NEAR ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ 9835		0	EP		1413	23.18	0.39							1.0
GGNV	BN 9835		0	ES		1423	50.80	0.04							1.0
GGNV	BZ 9835		0	AMS		1455	27.17		12526	17.9					
MESJ	BZ 9932	360	EP			1413	27.26	0.32							1.0
MESJ	BN 9932	360	ES			1423	55.55	-0.49							1.0
MESJ	BE 9932	360	ESS			1430	13.03	-0.31							1.0
MESJ	BZ 9932	360	AMS			1452	31.75		13618	19.3					
MORF	BZ 9991	360	EP			1413	29.77	0.27							1.0
MORF	BN 9991	360	ES			1423	59.05	-0.23							1.0
MORF	BZ 9991	360	AMS			1456	21.66		16439	21.0					

December 23 2010 Hour: 19: 7 8.8 Lat: 36.16N Lon: 10.78W Depth: 31F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	229	56	EP		19 7	40.05	0.01							1.0
MORF	HN	229	56	ES		19 8	2.71	-0.11							1.0
MORF	HN	229	56	AML		19 8	4.23		35	0.2					
MESJ	HZ	294	50	EP		19 7	48.17	0.01							1.0
MESJ	HE	294	50	ES		19 8	16.96	0.10							1.0
MESJ	HE	294	50	AML		19 8	18.65		7	0.1					

December 23 2010 Hour: 21:37 47.2 Lat: 37.58N Lon: 8.42W Depth: 5F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.4 secs

SW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	34	31	EP		2137	52.99	0.28							1.0
MESJ	HN	34	31	ES		2137	57.20	0.47							1.0
MESJ	HN	34	31	AML		2137	58.09			12	0.1				
MORF	HZ	37	214	EP		2137	52.77	-0.40							1.0
MORF	HE	37	214	ES		2137	57.17	-0.36							1.0
MORF	HN	37	214	AML		2137	57.94			39	0.2				

December 23 2010 Hour: 23:17 49.3 Lat: 37.96N Lon: 7.76W Depth: 0 Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SE BEJA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	43	252	EP		2317	56.26	0.11							1.0
MESJ	HN	43	252	ES		2318	1.05	-0.11							1.0
MESJ	HN	43	252	AML		2318	2.13			4	0.2				

December 25 2010 Hour: 13:16 39.0 Lat: 19.73S Lon: 167.89E Depth: 12F Agency: IGL Distant
Magnitudes: 7.6MS IGL Rms: 0.2 secs

VANUATU REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	17849	352	EP		1336	37.76	-0.05							1.0
GGNV	BZ	17905	353	EP		1336	38.48	0.13							1.0
GGNV	BZ	17905	353	AMS		1451	40.45			97030	20.8				
MESJ	BZ	17987	350	EP		1336	39.35	0.19							1.0
MESJ	BZ	17987	350	AMS		1449	15.59			103000	22.7				
MORF	BZ	18053	351	EP		1336	39.55	-0.28							1.0
MORF	BZ	18053	351	AMS		1448	17.85			89470	21.4				

December 25 2010 Hour: 14:10 22.6 Lat: 38.68N Lon: 8.46W Depth: 3F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.3 secs

NE VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	54	349	EP		1410	30.65	-0.61							1.0
ALMR	SN	54	349	ES		1410	37.46	-0.13							1.0
ALMR	SE	54	349	AML		1410	38.70			133	0.2				
GGNV	HN	60	274	ES		1410	39.79	0.41							1.0
GGNV	HN	60	274	AML		1410	41.38			224	0.2				
MESJ	HZ	96	167	EP		1410	38.02	0.00							1.0
MESJ	HN	96	167	ES		1410	49.33	0.04							1.0
MESJ	HN	96	167	AML		1410	51.04			152	0.2				
MORF	HZ	153	186	EP		1410	47.27	0.44							1.0
MORF	HE	153	186	ES		1411	4.42	-0.11							1.0
MORF	HN	153	186	AML		1411	5.24			32	0.1				

December 25 2010 Hour: 15: 5 43.5 Lat: 32.26N Lon: 7.76W Depth: 10F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.3 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	566	352	EP		15 6	57.50	-0.31							1.0
MORF	HN	566	352	ES		15 7	52.36	0.31							1.0
MORF	HN	566	352	AML		15 7	56.11			10	0.9				

December 25 2010 Hour: 23:54 2.3 Lat: 34.71N Lon: 5.75W Depth: 0 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	389	319	EP		2354	56.08	-0.01							1.0
MORF	HN	389	319	ES		2355	35.40	0.03							1.0
MORF	HN	389	319	AML		2355	38.46			12	0.3				
MESJ	HZ	412	328	EP		2354	58.87	-0.05							1.0

MESJ HN 412 328 ES 2355 40.30 0.03 1.0
 MESJ HN 412 328 AML 2355 41.37 9 0.3

**December 26 2010 Hour: 9:13 28.6 Lat: 36.61N Lon: 11.36W Depth: 26F 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	253	71	EP		914	3.13	-0.03							1.0
MORF	HE	253	71	ES		914	28.35	-0.05							1.0
MORF	HE	253	71	AML		914	29.33		6	0.0					
MESJ	HZ	310	63	EP		914	10.21	0.01							1.0
MESJ	HE	310	63	ES		914	40.66	0.08							1.0
MESJ	HN	310	63	AML		914	42.25		3	0.2					

**December 27 2010 Hour: 10:39 15.7 Lat: 37.35N Lon: 8.53W Depth: 10F Agency: IGL Regional
 Magnitudes: 0.8ML 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	12	246	EP		1039	18.00	-0.23							1.0
MORF	HE	12	246	ES		1039	20.27	0.18							1.0
MORF	HN	12	246	AML		1039	20.60		55	0.2					
MESJ	HE	61	27	ES		1039	32.96	0.06							1.0
MESJ	HE	61	27	AML		1039	33.98		3	0.3					

**December 27 2010 Hour: 21:38 34.7 Lat: 37.29N Lon: 14.18W Depth: 1 Agency: IGL Regional
 Magnitudes: 2.1ML 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	491	88	EP		2139	40.86	0.09							1.0
MORF	HN	491	88	ES		2140	28.92	-0.09							1.0
MORF	HN	491	88	AML		2140	30.30		3	0.2					

**December 27 2010 Hour: 21:41 49.0 Lat: 36.51N Lon: 7.20W Depth: 26F Agency: IGL Regional
 Magnitudes: 2.0ML 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	HZ	157	305	EP		2142	11.39	-0.19							1.0
MORF	HE	157	305	ES		2142	28.06	0.01							1.0
MORF	HN	157	305	AML		2142	29.23		27	0.2					
MESJ	HZ	173	329	EP		2142	13.74	0.14							1.0
MESJ	HN	173	329	ES		2142	31.59	0.04							1.0
MESJ	HN	173	329	AML		2142	32.42		9	0.2					

**December 28 2010 Hour: 1:10 54.0 Lat: 38.49N Lon: 7.39W Depth: 1 Agency: IGL Regional
 Magnitudes: 1.0ML IGL Rms: 0.2 secs**

NW MOURAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	102	225	EP		111	10.30	-0.20							1.0
MESJ	HE	102	225	ES		111	22.76	0.20							1.0
MESJ	HN	102	225	AML		111	24.51		3	0.2					

**December 28 2010 Hour: 4:10 11.1 Lat: 36.91N Lon: 8.69W Depth: 19F 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	44	5	EP		410	18.55	-0.13							1.0
MORF	HE	44	5	ES		410	24.38	0.15							1.0
MORF	HN	44	5	AML		410	25.25		29	0.1					
MESJ	HZ	111	22	EP		410	28.52	-0.01							1.0
MESJ	HN	111	22	ES		410	41.24	-0.02							1.0
MESJ	HN	111	22	AML		410	43.87		5	0.2					

December 28 2010 Hour: 6:58 51.0 Lat: 38.11N Lon: 8.33W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	32	162	EP		658	56.57	0.04							1.0
MESJ	HE	32	162	ES		659	0.49	-0.04							1.0
MESJ	HE	32	162	AML		659	1.11			11	0.1				

December 28 2010 Hour: 8:34 17.9 Lat: 23.38S Lon: 179.79W Depth: 552F Agency: IGL Distant
Magnitudes: 5.7MS IGL Rms: 0.1 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18108		25	EP		853	16.28	-0.03							1.0
GGNV	BZ18108		25	EPP		857	56.05	0.03							1.0
MESJ	BZ18233		25	EP		853	17.41	0.01							1.0
MESJ	BZ18233		25	EPP		858	1.87	0.00							1.0
MESJ	BN18233		25	ESS		917	46.39	-0.01							1.0
MESJ	BE18233		25	AMS		929	0.81			1056	18.6				
MORF	BZ18265		27	EP		853	17.81	0.10							1.0
MORF	BZ18265		27	EPP		858	3.30	-0.11							1.0
MORF	BN18265		27	AMS		929	3.26			841	18.1				

December 28 2010 Hour: 9:39 38.4 Lat: 37.32N Lon: 8.63W Depth: 12F 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	231	EP		939	40.33	-0.15							1.0
MORF	HN	2	231	ES		939	42.03	0.05							1.0
MORF	HN	2	231	AML		939	42.39			153	0.2				
MESJ	HN	68	32	ES		939	57.54	0.11							1.0
MESJ	HN	68	32	AML		939	59.32			6	0.1				

December 28 2010 Hour: 11:18 20.3 Lat: 36.62N Lon: 4.63W Depth: 10F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.3 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HE	346	294	ES		1119	42.66	0.29							1.0
MESJ	HN	346	294	AML		1119	45.13			52	0.4				
MORF	HZ	366	283	EP		1119	10.17	-0.08							1.0
MORF	HN	366	283	ES		1119	46.34	-0.37							1.0
MORF	HN	366	283	AML		1119	48.64			24	0.3				
MESJ	HZ	346	294	EP		1119	7.90	0.16							1.0

December 29 2010 Hour: 6:54 21.4 Lat: 19.68S Lon: 168.18E Depth: 31F Agency: IGL Distant
Magnitudes: 6.5MS IGL Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17904		354	EP		714	17.78	0.02							1.0
GGNV	BZ17904		354	AMS		828	36.73			9421	20.4				
MESJ	BZ17987		351	EP		714	18.68	0.09							1.0
MESJ	BZ17987		351	AMS		829	13.16			7299	19.4				
MORF	BZ18052		352	EP		714	19.13	-0.12							1.0
MORF	BZ18052		352	AMS		830	7.69			5958	25.4				

December 29 2010 Hour: 15:29 49.6 Lat: 37.19N Lon: 8.02W Depth: 9F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

NE LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	57	283	EP		1529	58.88	-0.15							1.0
MORF	HE	57	283	ES		1530	5.95	0.07							1.0
MORF	HE	57	283	AML		1530	7.47			554	0.2				
MESJ	HZ	74	346	EP		1530	1.75	0.05							1.0
MESJ	HN	74	346	ES		1530	10.53	0.03							1.0

MESJ HN 74 346 AML 1530 12.65 178 0.3

**December 30 2010 Hour: 0:33 39.7 Lat: 36.77N Lon: 4.54W Depth: 31F Agency: IGL Regional
Magnitudes: 2.9ML 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
MESJ	HZ	347	291	EP		034	25.58	-0.03							1.0
MESJ	HE	347	291	ES		034	58.91	-0.19							1.0
MESJ	HE	347	291	AML		035	1.87			21	0.1				
MORF	HZ	371	280	EP		034	28.52	-0.03							1.0
MORF	HN	371	280	ES		035	4.42	0.25							1.0
MORF	HN	371	280	AML		035	8.01			77	0.2				

**December 30 2010 Hour: 2:42 49.3 Lat: 36.28N Lon: 8.46W Depth: 1 Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	352	EP		243	7.79	-0.05							1.0
MORF	HE	115	352	ES		243	21.45	0.05							1.0
MORF	HE	115	352	AML		243	22.39			9	0.1				

**December 30 2010 Hour: 11:51 40.8 Lat: 37.78N Lon: 8.31W Depth: 14F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs**

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	10	50	EP		1151	43.57	0.00							1.0
MESJ	HN	10	50	ES		1151	45.62	0.00							1.0
MESJ	HN	10	50	AML		1151	45.90			18	0.1				

**December 31 2010 Hour: 15:47 9.0 Lat: 37.35N Lon: 8.47W Depth: 10F Agency: IGL Regional
Magnitudes: 1.2ML 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	17	253	EP		1547	12.23	0.00							1.0
MORF	HE	17	253	ES		1547	14.56	0.00							1.0
MORF	HE	17	253	AML		1547	15.18			60	0.2				

**December 31 2010 Hour: 21:27 9.5 Lat: 36.59N Lon: 9.66W Depth: 20F 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	120	48	EP		2127	27.83	-0.19							1.0
MORF	HN	120	48	ES		2127	41.61	0.10							1.0
MORF	HN	120	48	AML		2127	42.44			11	0.2				
MESJ	HE	189	42	ES		2127	56.30	0.10							1.0
MESJ	HE	189	42	AML		2127	57.95			2	0.1				