

Seismological Bulletin

from the

IGIDL Seismic Network

January to February

2011

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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

January 1 2011 Hour: 0:57 28.8 Lat: 37.32N Lon: 8.53W Depth: 13F 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	11	262	EP		057	31.49	-0.09							1.0
MORF	HE	11	262	ES		057	33.66	0.04							1.0
MORF	HN	11	262	AML		057	34.20			70	0.2				
MESJ	HZ	64	25	EP		057	39.21	0.06							1.0
MESJ	HN	64	25	ES		057	46.70	-0.01							1.0
MESJ	HE	64	25	AML		057	47.27			3	0.5				

January 1 2011 Hour: 6:50 57.5 Lat: 36.53N Lon: 7.66W Depth: 31F Agency: IGL Regional
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	123	315	EP		651	15.51	-0.09							1.0
MESJ	HZ	154	341	EP		651	19.42	0.09							1.0

January 1 2011 Hour: 6:58 33.3 Lat: 36.43N Lon: 9.63W Depth: 11F 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	131	42	EP		658	53.88	0.05							1.0
MORF	HN	131	42	ES		659	8.77	-0.06							1.0
MORF	HE	131	42	AML		659	9.79			8	0.3				
MESJ	HZ	200	38	EP		659	2.45	-0.06							1.0
MESJ	HN	200	38	ES		659	23.91	0.07							1.0
MESJ	HN	200	38	AML		659	25.27			3	0.2				

January 1 2011 Hour: 9: 3 33.7 Lat: 37.06N Lon: 4.89W Depth: 1 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	307	287	EP		9 4	17.23	0.00							1.0

January 1 2011 Hour: 9:56 59.1 Lat: 26.76S Lon: 63.10W Depth: 584F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.1 secs

SANTIAGO DEL ESTERO, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9089	41	EP		10 8	17.31	-0.11							1.0
MORF	BN	9089	41	ES		1017	40.74	-0.09							1.0
MORF	BE	9089	41	AMS		1027	42.38			9291	19.9				
MESJ	BZ	9157	41	EP		10 8	20.44	0.00							1.0
MESJ	BE	9157	41	ES		1017	45.02	0.26							0.9
MESJ	BE	9157	41	AMS		1028	1.68			11302	22.0				
GGNV	BZ	9164	40	EP		10 8	20.59	-0.10							1.0
GGNV	BN	9164	40	ES		1017	45.19	0.10							1.0
GGNV	BE	9164	40	AMS		1024	31.92			8749	23.8				
ALMR	SZ	9233	40	EP		10 8	23.80	-0.02							1.0

January 1 2011 Hour: 10:55 0.1 Lat: 37.04N Lon: 4.95W Depth: 0 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	303	288	EP		1055	43.15	-0.02							1.0

January 1 2011 Hour: 17:49 55.8 Lat: 37.02N Lon: 4.86W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	311	288	EP		1750	39.80	-0.09							1.0

January 1 2011 Hour: 23:58 46.1 Lat: 36.58N Lon: 9.73W 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	125	50	EP		2359	5.42	0.02							1.0
MORF	HN	125	50	ES		2359	19.36	-0.15							1.0
MORF	HN	125	50	AML		2359	20.28			35	0.1				
MESJ	HZ	194	43	EP		2359	13.83	-0.01							1.0
MESJ	HN	194	43	ES		2359	34.25	0.14							1.0
MESJ	HN	194	43	AML		2359	36.46			9	0.2				

January 2 2011 Hour: 11:7 38.1 Lat: 37.19N Lon: 8.00W Depth: 9F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.2 secs

NE LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	59	283	EP		11 7	47.44	-0.36							1.0
MORF	HN	59	283	ES		11 7	55.10	0.24							1.0
MORF	HE	59	283	AML		11 7	56.10			91	0.2				
MESJ	HZ	75	345	EP		11 7	50.41	0.14							1.0
MESJ	HN	75	345	ES		11 7	59.12	-0.01							1.0
MESJ	HN	75	345	AML		11 8	1.07			24	0.0				

January 2 2011 Hour: 14:9 13.6 Lat: 37.44N Lon: 6.61W Depth: 0 Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.2 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	149	288	EP		14 9	37.24	-0.16							1.0
MESJ	HN	149	288	ES		14 9	54.96	0.16							1.0
MESJ	HN	149	288	AML		14 9	56.27			5	0.3				

January 2 2011 Hour: 20:20 18.1 Lat: 38.35S Lon: 73.28W Depth: 25F Agency: IGL Distant
Magnitudes: 7.1MS IGL Rms: 0.1 secs

ARAUCANIA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10671		46	EP		2033	42.66	-0.03							1.0
MORF	BZ10671		46	EPP		2037	35.24	-0.06							1.0
MORF	BN10671		46	ES		2044	17.46	0.07							1.0
MORF	BZ10671		46	AMS		2115	4.25			66298	19.3				
MESJ	BZ10740		46	EP		2033	45.49	0.08							1.0
MESJ	BZ10740		46	EPP		2037	39.85	-0.16							1.0
MESJ	BN10740		46	ES		2044	20.53	-0.01							1.0
MESJ	BZ10740		46	AMS		2114	48.46			71167	19.7				
GGNV	BZ10749		45	EP		2033	45.79	0.04							1.0
GGNV	BZ10749		45	EPP		2037	40.57	-0.11							1.0
GGNV	BN10749		45	ES		2044	21.12	0.17							1.0
GGNV	BZ10749		45	AMS		2114	14.81			60176	21.7				

January 2 2011 Hour: 20:20 54.2 Lat: 36.71N Lon: 10.98W Depth: 5F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	218	72	EP		2021	26.13	-0.13							1.0
MORF	HE	218	72	ES		2021	49.57	-0.06							1.0
MORF	HN	218	72	AML		2021	51.51			9	0.1				
MESJ	HZ	275	62	EP		2021	33.24	-0.12							1.0
MESJ	HE	275	62	ES		2022	2.23	0.32							1.0
MESJ	HE	275	62	AML		2022	3.04			2	0.1				

January 2 2011 Hour: 20:49 21.7 Lat: 37.02N Lon: 4.83W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	341	277	EP		2050	9.48	-0.06							1.0

January 2 2011 Hour: 22:55 34.6 Lat: 37.36N Lon: 8.56W Depth: 0 Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.4 secs

N MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	234	EP		2255	35.67	-0.60							1.0
MORF	HE	10	234	ES		2255	37.58	0.13							1.0
MORF	HE	10	234	AML		2255	38.11			150	0.1				
MESJ	HZ	61	29	EP		2255	44.79	0.29							1.0
MESJ	HN	61	29	ES		2255	51.90	0.20							1.0
MESJ	HN	61	29	AML		2255	54.01			7	0.4				

January 3 2011 Hour: 6:38 3.5 Lat: 37.36N Lon: 8.56W Depth: 0 Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.5 secs

N MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	234	EP		638	4.50	-0.66							1.0
MORF	HE	10	234	ES		638	6.67	0.33							1.0
MORF	HE	10	234	AML		638	7.03			24	0.3				
MESJ	HZ	61	29	EP		638	13.73	0.34							1.0

January 3 2011 Hour: 8:11 35.3 Lat: 37.01N Lon: 4.82W Depth: 11F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	315	288	EP		812	18.65	-0.08							1.0

January 3 2011 Hour: 9:44 16.1 Lat: 36.73N Lon: 13.45W Depth: 32F Agency: IGL Regional
Magnitudes: 3.5ML IGL Rms: 0.3 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	432	80	EP		945	12.66	0.27							1.0
MORF	HN	432	80	ES		945	52.96	-0.50							1.0
MORF	HN	432	80	AML		945	55.06			186	0.2				
GGNV	HZ	439	59	EP		945	13.50	0.34							1.0
GGNV	HE	439	59	ES		945	54.50	-0.28							1.0
GGNV	HN	439	59	AML		945	56.58			150	0.2				
MESJ	HZ	480	74	EP		945	18.40	0.23							1.0
MESJ	HN	480	74	ES		946	3.40	-0.06							1.0
MESJ	HN	480	74	AML		946	5.85			48	0.2				
ALMR	SZ	506	56	EP		945	21.60	0.27							1.0
ALMR	SN	506	56	ES		946	8.65	-0.27							1.0
ALMR	SN	506	56	AML		946	10.42			69	0.5				

January 3 2011 Hour: 9:51 52.8 Lat: 36.99N Lon: 4.81W Depth: 11F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	316	288	EP		952	36.42	0.00							1.0

January 3 2011 Hour: 10:55 55.6 Lat: 36.34N Lon: 8.08W Depth: 15F Agency: IGL Regional
Magnitudes: 2.5ML 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	119	335	EP		1056	14.24	0.00							1.0
MORF	HN	119	335	ES		1056	27.93	0.04							1.0
MORF	HN	119	335	AML		1056	29.22			77	0.1				
MESJ	HZ	167	356	EP		1056	20.21	-0.04							1.0

January 3 2011 Hour: 21:4 25.2 Lat: 39.05N Lon: 10.07W Depth: 26F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	130	84	EP		21	4	44.42	0.07						1.0
ALMR	SN	130	84	ES		21	4	58.53	0.17						1.0
ALMR	SN	130	84	AML		21	4	59.82		8	0.1				
MESJ	HZ	210	129	EP		21	4	54.36	0.02						1.0
MESJ	HN	210	129	ES		21	5	15.97	0.33						1.0
MESJ	HN	210	129	AML		21	5	17.12		2	0.2				
MORF	HZ	230	147	EP		21	4	56.64	-0.21						1.0
MORF	HE	230	147	ES		21	5	19.57	-0.41						1.0
MORF	HE	230	147	AML		21	5	22.35		8	0.1				

January 4 2011 Hour: 0:54 51.2 Lat: 42.61N Lon: 9.19W Depth: 9F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	536	171	EP		056		1.82	-0.14						1.0
MESJ	HE	536	171	ES		056		53.49	-0.14						1.0
MESJ	HE	536	171	AML		056		54.80		3	0.1				
MORF	HZ	591	175	EP		056		8.79	0.18						1.0
MORF	HN	591	175	ES		057		5.24	0.11						1.0
MORF	HN	591	175	AML		057		7.75		7	0.2				

January 4 2011 Hour: 5:18 16.9 Lat: 37.32N Lon: 8.56W Depth: 11F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	259	EP		518		19.14	0.00						1.0
MORF	HN	8	259	ES		518		20.81	0.00						1.0
MORF	HE	8	259	AML		518		21.18		21	0.2				

January 4 2011 Hour: 17:8 29.8 Lat: 39.10N Lon: 10.70W Depth: 20F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	268	137	EP		17	9	6.72	0.02						1.0
MORF	HE	268	137	ES		17	9	33.59	-0.02						1.0
MORF	HE	268	137	AML		17	9	34.70		10	0.2				

January 4 2011 Hour: 17:44 23.5 Lat: 36.75N Lon: 9.64W 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	108	55	EP		1744		40.39	-0.10						1.0
MORF	HN	108	55	ES		1744		53.04	0.12						1.0
MORF	HN	108	55	AML		1744		53.84		13	0.2				
MESJ	HZ	175	46	EP		1744		48.92	0.05						1.0
MESJ	HE	175	46	ES		1745		7.33	-0.07						1.0
MESJ	HE	175	46	AML		1745		7.86		3	0.0				

January 4 2011 Hour: 18:4 1.8 Lat: 38.86N Lon: 8.25W Depth: 0 Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.3 secs

SW MORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	114	179	EP		18	4	19.71	-0.48						1.0
MESJ	HE	114	179	ES		18	4	33.71	0.13						1.0
MESJ	HE	114	179	AML		18	4	34.17		14	0.2				
MORF	HZ	176	192	EP		18	4	29.46	0.21						1.0
MORF	HE	176	192	ES		18	4	49.42	0.16						1.0
MORF	HE	176	192	AML		18	4	51.37		8	0.2				

January 5 2011 Hour: 6:46 17.2 Lat: 22.30S Lon: 171.60E Depth:136F Agency: IGL Distant
Magnitudes: 5.6MS IGL Rms: 0.4 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18206		2	EP		7 6	3.54	0.36							1.0
GGNV	BZ18206		2	EPP		710	42.54	0.60							1.0
GGNV	BE18206		2	AMS		822	21.40		1061	19.2					
MESJ	BZ18305	359		EP		7 6	3.87	-0.15							1.0
MESJ	BZ18305	359		EPP		710	46.21	-0.40							1.0
MESJ	BZ18305	359		AMS		819	49.21		650	13.6					
MORF	BZ18364		1	EP		7 6	4.39	-0.16							1.0
MORF	BZ18364		1	EPP		710	49.20	-0.23							1.0
MORF	BZ18364		1	AMS		816	56.63		658	23.2					

January 5 2011 Hour: 9:57 2.6 Lat: 37.29N Lon: 8.57W Depth: 15F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.3 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ		7	284	EP		957	5.25	-0.10						1.0
MORF	HN		7	284	ES		957	7.53	0.17						1.0
MORF	HN		7	284	AML		957	7.95		22	0.1				
MESJ	HZ		68	27	EP		957	14.04	0.38						1.0
MESJ	HN		68	27	ES		957	21.28	-0.45						1.0
MESJ	HE		68	27	AML		957	22.44		2	0.2				

January 6 2011 Hour: 17: 4 28.8 Lat: 36.98N Lon: 8.73W Depth: 16F 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		37	11	EP		17 4	35.06	-0.14						1.0
MORF	HN		37	11	ES		17 4	39.90	0.02						1.0
MORF	HN		37	11	AML		17 4	40.63		22	0.1				
MESJ	HZ		106	25	EP		17 4	45.25	-0.22						1.0
MESJ	HN		106	25	ES		17 4	58.01	0.36						1.0
MESJ	HN		106	25	AML		17 4	58.96		8	0.2				

January 6 2011 Hour: 23:54 12.4 Lat: 36.83N Lon: 4.07W Depth: 65F Agency: IGL Regional
Magnitudes: 1.9ML 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		384	288	EP		2355	2.47	0.13						1.0
MESJ	HN		384	288	ES		2355	38.70	-0.13						1.0
MESJ	HN		384	288	AML		2355	40.35		3	0.9				

January 8 2011 Hour: 6:34 3.2 Lat: 37.30N Lon: 8.62W Depth: 10F Agency: IGL Regional
Magnitudes: 0.9ML 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		3	284	EP		634	4.66	-0.26						1.0
MORF	HN		3	284	ES		634	6.27	0.07						1.0
MORF	HN		3	284	AML		634	6.82		86	0.2				
MESJ	HZ		70	30	EP		634	14.49	0.01						1.0
MESJ	HE		70	30	ES		634	22.93	0.19						1.0
MESJ	HN		70	30	AML		634	23.81		5	0.3				

January 8 2011 Hour: 21:11 56.3 Lat: 36.41N Lon: 1.77E Depth: 5F Agency: IGL Regional
Magnitudes: 5.6MS IGL Rms: 0.1 secs

NORTHERN ALGERIA Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ		901	283	EP		2113	51.00	-0.05						1.0

January 9 2011 Hour: 10: 3 44.4 Lat: 19.16S Lon: 168.33E Depth: 17F Agency: IGL Distant
Magnitudes: 6.7MS IGL Rms: 0.3 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17849	354	EP			1023	42.55	0.18							1.0
GGNV	BN17849	354	ESS			1048	17.66	-0.20							1.0
GGNV	BN17849	354	AMS			1144	21.93		10061	21.3					
MESJ	BZ17933	352	EP			1023	43.03	-0.20							1.0
MESJ	BN17933	352	ESS			1048	25.63	-0.19							1.0
MESJ	BZ17933	352	AMS			1145	42.59		9441	16.4					
MORF	BZ17997	352	EP			1023	44.32	0.42							1.0
MORF	BZ17997	352	AMS			1147	10.12		10412	19.9					

January 9 2011 Hour: 10:15 40.1 Lat: 36.62N Lon: 7.58W Depth: 25F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	147	337	EP		1016	1.51	0.00							1.0
MESJ	HN	147	337	ES		1016	17.11	0.00							1.0
MESJ	HN	147	337	AML		1016	19.13		3	0.1					

January 9 2011 Hour: 15: 0 47.0 Lat: 39.33N Lon: 13.75W Depth: 10F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	499	115	EP		15	1	53.20	-0.06						1.0
MORF	HE	499	115	ES		15	2	41.46	-0.16						1.0
MORF	HE	499	115	AML		15	2	42.74		6	0.3				
MESJ	HZ	509	107	EP		15	1	54.64	0.18						1.0
MESJ	HE	509	107	ES		15	2	43.73	0.04						1.0
MESJ	HE	509	107	AML		15	2	45.43		3	0.2				

January 9 2011 Hour: 17:21 55.4 Lat: 19.28S Lon: 168.13E Depth: 33F Agency: IGL Distant
Magnitudes: 6.3MS IGL Rms: 0.2 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17859	354	EP			1741	50.91	-0.02							1.0
GGNV	BZ17859	354	AMS			1852	9.18		4641	21.2					
MESJ	BZ17942	351	EP			1741	52.02	0.25							1.0
MESJ	BZ17942	351	AMS			1853	43.42		4796	22.0					
MORF	BZ18008	352	EP			1741	52.22	-0.23							1.0
MORF	BZ18008	352	AMS			1853	2.76		4205	21.0					

January 10 2011 Hour: 2:59 3.4 Lat: 38.78N Lon: 2.86W Depth: 5F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	480	259	EP		3	0	7.76	-0.06						1.0
MESJ	HN	480	259	ES		3	0	54.91	0.06						1.0
MESJ	HN	480	259	AML		3	0	55.20		2	0.4				

January 10 2011 Hour: 5:30 11.9 Lat: 36.65N Lon: 8.40W Depth: 22F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	76	343	EP		530	24.26	-0.02							1.0
MORF	HE	76	343	ES		530	33.35	0.02							1.0
MORF	HE	76	343	AML		530	33.68		5	0.3					

January 10 2011 Hour: 6:23 36.3 Lat: 36.97N Lon: 10.21W Depth: 1 Agency: IGL Regional
Magnitudes: 2.1ML 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	143	74	EP		623	59.48	0.16							1.0
MORF	HN	143	74	ES		624	15.82	-0.30							1.0
MORF	HN	143	74	AML		624	16.87			39	0.2				
MESJ	HZ	201	61	EP		624	6.65	0.08							1.0
MESJ	HN	201	61	ES		624	28.71	0.06							1.0
MESJ	HE	201	61	AML		624	29.79			12	0.2				

January 10 2011 Hour: 13:47 24.7 Lat: 41.34N Lon: 7.28W Depth: 3F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

NE CARRAZEDA DE ANCIAES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	397	192	EP		1348	19.23	0.03							1.0
MESJ	HE	397	192	ES		1348	59.03	0.07							1.0
MESJ	HE	397	192	AML		1349	0.49			4	0.2				
MORF	HZ	463	195	EP		1348	27.24	-0.11							1.0

January 11 2011 Hour: 5:0 6.9 Lat: 36.77N Lon: 7.16W Depth: 31F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	145	295	EP		5 0	27.64	-0.06							1.0
MORF	HE	145	295	ES		5 0	42.98	0.07							1.0
MORF	HE	145	295	AML		5 0	44.09			5	0.1				
MESJ	HZ	151	322	EP		5 0	28.46	0.05							1.0
MESJ	HE	151	322	ES		5 0	44.08	-0.06							1.0
MESJ	HE	151	322	AML		5 0	45.07			2	0.2				

January 11 2011 Hour: 9:16 12.0 Lat: 13.21S Lon: 167.16E Depth: 229F Agency: IGL Distant
Magnitudes: 1.0ML IGL Rms: 0.2 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17267	351	EP			935	36.68	-0.21							1.0
MORF	BZ17332	352	EP			935	37.94	0.21							1.0

January 11 2011 Hour: 22:54 9.9 Lat: 36.68N Lon: 9.69W Depth: 19F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	53	EP		2254	27.90	-0.05							1.0
MORF	HE	116	53	ES		2254	41.17	0.05							1.0
MORF	HE	116	53	AML		2254	41.78			3	0.1				

January 12 2011 Hour: 4:46 2.1 Lat: 38.66N Lon: 8.01W Depth: 14F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

SW ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	93	191	EP		446	16.96	0.11							1.0
MESJ	HE	93	191	ES		446	27.52	-0.11							1.0
MESJ	HE	93	191	AML		446	28.16			2	0.1				

January 12 2011 Hour: 11:2 36.0 Lat: 37.02N Lon: 4.86W Depth: 1F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.4 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	311	288	EP		11 3	19.68	-0.38							1.0
MESJ	HN	311	288	ES		11 3	52.58	0.38							1.0
MESJ	HN	311	288	AML		11 3	57.01			13	0.5				

January 12 2011 Hour: 11: 7 37.2 Lat: 37.01N Lon: 4.82W Depth: 3F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	315	288	EP		11	8	21.34	-0.11						1.0

January 12 2011 Hour: 19:43 55.4 Lat: 36.99N Lon: 4.81W Depth: 11F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	316	288	EP		1944		38.99	-0.02						1.0

January 13 2011 Hour: 0:54 34.0 Lat: 36.82N Lon: 9.40W Depth: 21F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	86	51	EP		054		47.79	-0.03						1.0
MORF	HE	86	51	ES		054		58.07	0.18						1.0
MORF	HN	86	51	AML		054		59.82		22	0.2				
MESJ	HZ	154	42	EP		054		56.34	-0.28						1.0
MESJ	HN	154	42	ES		055		13.23	0.12						1.0
MESJ	HE	154	42	AML		055		15.96		4	0.1				

January 13 2011 Hour: 1: 4 27.5 Lat: 37.02N Lon: 4.86W Depth: 6F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	311	288	EP		1	5	11.10	0.07						1.0

January 13 2011 Hour: 1:24 14.2 Lat: 37.04N Lon: 4.87W Depth: 0 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	309	288	EP		124		58.03	0.00						1.0

January 13 2011 Hour: 1:46 49.5 Lat: 36.36N Lon: 8.07W Depth: 17F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	334	EP		147		7.86	-0.03						1.0
MORF	HN	117	334	ES		147		21.34	0.04						1.0
MORF	HN	117	334	AML		147		22.83		59	0.1				
MESJ	HZ	165	355	EP		147		13.76	-0.01						1.0

January 13 2011 Hour: 2: 1 41.8 Lat: 37.03N Lon: 4.83W Depth: 0F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	313	288	EP		2	2	26.11	-0.06						1.0

January 13 2011 Hour: 2:46 4.2 Lat: 36.67N Lon: 9.71W Depth: 16F 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	118	53	EP		246		22.69	-0.06						1.0
MORF	HE	118	53	ES		246		36.36	0.06						1.0
MORF	HE	118	53	AML		246		38.96		5	0.2				

January 13 2011 Hour: 6:56 45.2 Lat: 36.62N Lon: 9.72W Depth: 17F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	122	51	EP		657	4.17	-0.02							1.0
MORF	HE	122	51	ES		657	18.07	0.02							1.0
MORF	HN	122	51	AML		657	18.92			7	0.1				

January 13 2011 Hour: 16:16 42.0 Lat: 20.62S Lon: 168.49E Depth: 6F Agency: IGL Distant
Magnitudes: 7.4MS IGL Rms: 0.0 secs

LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	17954	353	EP		1636	42.85	-0.06							1.0
GGNV	BZ	18009	354	EP		1636	43.49	0.08							1.0
GGNV	BZ	18009	354	AMS		1756	36.46			66160	18.3				
MESJ	BZ	18093	351	EP		1636	44.21	-0.01							1.0
MESJ	BE	18093	351	ESS		17	1	41.62	0.00						1.0
MESJ	BZ	18093	351	AMS		1754	57.73			54812	19.1				
MORF	BZ	18158	352	EP		1636	44.84	-0.01							1.0
MORF	BZ	18158	352	AMS		18	0	50.23		33727	18.4				

January 13 2011 Hour: 17:21 1.8 Lat: 36.73N Lon: 11.06W 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	224	73	EP		1721	32.33	-0.05							1.0
MORF	HN	224	73	ES		1721	54.64	-0.06							1.0
MORF	HN	224	73	AML		1721	55.08			6	0.1				
MESJ	HN	280	63	ES		1722	6.92	0.11							1.0
MESJ	HN	280	63	AML		1722	7.52			4	0.3				

January 13 2011 Hour: 17:42 56.0 Lat: 36.95N Lon: 4.71W Depth: 15F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.3 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	326	289	EP		1743	40.20	-0.32							1.0
MESJ	HN	326	289	ES		1744	12.93	-0.06							1.0
MESJ	HN	326	289	AML		1744	15.80			27	0.4				
MORF	HZ	352	278	EP		1743	44.17	0.35							1.0
MORF	HE	352	278	ES		1744	18.76	0.07							1.0
MORF	HE	352	278	AML		1744	20.93			37	0.6				
ALMR	SZ	418	307	EP		1743	51.65	-0.29							1.0
ALMR	SN	418	307	ES		1744	33.01	0.25							1.0
ALMR	SN	418	307	AML		1744	34.00			79	0.7				

January 13 2011 Hour: 21:30 54.1 Lat: 35.52N Lon: 11.44W Depth: 10F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	319	51	EP		2131	38.40	0.16							1.0
MORF	HN	319	51	ES		2132	10.29	-0.16							1.0
MORF	HN	319	51	AML		2132	11.59			3	0.3				

January 14 2011 Hour: 11:12 26.9 Lat: 36.05N Lon: 10.21W Depth: 0 Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.3 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	266	41	EP		1113	5.09	-0.33							1.0
MESJ	HN	266	41	ES		1113	33.87	0.33							1.0
MESJ	HN	266	41	AML		1113	34.63			2	0.2				

January 15 2011 Hour: 1: 6 39.0 Lat: 36.63N Lon: 9.79W Depth: 16F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	53	EP		1 6	58.57	0.00							1.0
MORF	HE	126	53	ES		1 7	12.84	-0.04							1.0
MORF	HE	126	53	AML		1 7	14.41			7	0.2				
MESJ	HZ	193	46	EP		1 7	6.94	0.04							1.0
MESJ	HE	193	46	ES		1 7	27.28	0.00							1.0
MESJ	HE	193	46	AML		1 7	28.54			2	0.2				

January 15 2011 Hour: 9: 4 33.2 Lat: 38.69N Lon: 9.45W Depth: 3F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

W CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	143	131	EP		9 4	56.07	0.00							1.0
MESJ	HE	143	131	ES		9 5	12.76	0.00							1.0
MESJ	HE	143	131	AML		9 5	14.58			4	0.2				

January 15 2011 Hour: 18:56 26.1 Lat: 37.32N Lon: 8.55W Depth: 11F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	260	EP		1856	28.44	-0.04							1.0
MORF	HE	9	260	ES		1856	30.25	0.04							1.0
MORF	HN	9	260	AML		1856	30.76			42	0.3				

January 16 2011 Hour: 9:43 34.4 Lat: 38.42N Lon: 7.23W Depth: 1 Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NE MOURAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	108	234	EP		943	51.73	-0.12							1.0
MESJ	HN	108	234	ES		944	4.69	0.12							1.0
MESJ	HN	108	234	AML		944	6.13			2	0.0				

January 16 2011 Hour: 12:56 17.0 Lat: 36.29N Lon: 6.20W Depth: 11F Agency: IGL Regional
Magnitudes: 1.9ML 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
MORF	HZ	246	298	EP		1256	51.82	-0.09							1.0
MESJ	HZ	249	314	EP		1256	52.05	-0.14							1.0
MESJ	HN	249	314	ES		1257	18.14	0.23							1.0
MESJ	HN	249	314	AML		1257	20.58			6	0.3				

January 16 2011 Hour: 12:59 46.0 Lat: 36.64N Lon: 6.34W Depth: 0 Agency: IGL Regional
Magnitudes: 0.0ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	213	309	EP		13 0	17.94	-0.04							1.0

January 16 2011 Hour: 16:20 4.3 Lat: 37.34N Lon: 8.50W Depth: 11F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.2 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	254	EP		1620	7.00	-0.19							1.0
MORF	HE	14	254	ES		1620	9.52	0.20							1.0
MORF	HE	14	254	AML		1620	10.03			67	0.1				
MESJ	HZ	61	24	EP		1620	14.12	-0.09							1.0
MESJ	HN	61	24	ES		1620	21.54	0.08							1.0
MESJ	HE	61	24	AML		1620	22.73			4	0.1				

January 16 2011 Hour: 18:32 17.6 Lat: 36.23N Lon: 4.72W Depth: 0 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	359	301	EP		1833	7.81	0.12							1.0
MESJ	HN	359	301	ES		1833	44.25	0.03							1.0
MESJ	HN	359	301	AML		1833	46.70			11	0.1				
MORF	HZ	371	290	EP		1833	9.04	-0.14							1.0
MORF	HN	371	290	ES		1833	46.79	-0.01							1.0
MORF	HE	371	290	AML		1833	48.28			6	0.2				

January 16 2011 Hour: 19:47 57.5 Lat: 37.01N Lon: 4.86W Depth: 1 Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.4 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	311	288	EP		1948	41.84	0.36							1.0
MESJ	HN	311	288	ES		1949	13.24	-0.36							1.0
MESJ	HN	311	288	AML		1949	17.64			9	0.5				

January 17 2011 Hour: 1:50 33.4 Lat: 37.23N Lon: 8.54W Depth: 20F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.2 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	311	EP		150	37.11	-0.13							1.0
MORF	HN	13	311	ES		150	39.92	-0.11							1.0
MORF	HN	13	311	AML		150	40.50			31	0.2				
MESJ	HN	73	23	ES		150	54.26	0.26							1.0
MESJ	HN	73	23	AML		150	55.70			5	0.2				

January 17 2011 Hour: 3:20 44.6 Lat: 35.97N Lon: 4.78W Depth: 10F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	370	305	EP		321	35.14	0.08							1.0
MESJ	HN	370	305	ES		322	11.79	-0.08							1.0
MESJ	HN	370	305	AML		322	13.38			4	0.3				
MORF	HZ	377	294	EP		321	35.82	-0.07							1.0
MORF	HN	377	294	ES		322	13.37	0.07							1.0
MORF	HN	377	294	AML		322	15.46			11	0.3				

January 18 2011 Hour: 3:38 10.5 Lat: 37.12N Lon: 4.06W Depth: 1F Agency: IGL Regional
Magnitudes: 1.5ML 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	377	283	EP		339	2.60	0.01							1.0
MESJ	HN	377	283	ES		339	40.60	-0.01							1.0
MESJ	HN	377	283	AML		339	41.98			1	0.2				

January 18 2011 Hour: 4:40 17.6 Lat: 36.64N Lon: 4.57W Depth: 63F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	350	293	EP		441	3.57	0.06							1.0
MESJ	HN	350	293	ES		441	36.71	-0.32							1.0
MESJ	HE	350	293	AML		441	37.66			3	0.0				
MORF	HZ	371	283	EP		441	6.32	0.28							1.0
MORF	HN	371	283	ES		441	41.38	-0.02							1.0
MORF	HN	371	283	AML		441	42.90			6	0.1				

January 18 2011 Hour: 7:10 24.2 Lat: 36.31N Lon: 8.26W Depth: 11F 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	116	343	EP		710	42.51	-0.04							1.0
MORF	HE	116	343	ES		710	56.05	0.13							1.0
MORF	HN	116	343	AML		710	57.60			4	0.1				
MESJ	HZ	170	1	EP		710	49.64	-0.02							1.0
MESJ	HN	170	1	ES		711	8.13	-0.08							1.0
MESJ	HE	170	1	AML		711	8.88			3	0.2				

January 18 2011 Hour: 9:48 39.0 Lat: 37.19N Lon: 13.25W Depth: 1F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.3 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	408	87	EP		949	35.33	0.21							1.0
MORF	HN	408	87	ES		950	15.60	-0.46							1.0
MORF	HN	408	87	AML		950	17.60			37	0.2				
MESJ	HN	450	79	ES		950	25.25	0.26							1.0
MESJ	HN	450	79	AML		950	27.12			8	0.2				

January 18 2011 Hour: 19:7 24.0 Lat: 36.54N Lon: 7.34W Depth: 10F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	144	306	EP		19 7	46.21	-0.20							1.0
MORF	HN	144	306	ES		19 8	2.76	-0.01							1.0
MORF	HN	144	306	AML		19 8	4.28			17	0.2				
MESJ	HZ	164	332	EP		19 7	48.93	0.13							1.0
MESJ	HN	164	332	ES		19 8	7.00	0.08							1.0
MESJ	HN	164	332	AML		19 8	8.66			27	0.4				

January 18 2011 Hour: 20:23 24.4 Lat: 28.81N Lon: 63.97E Depth: 80F Agency: IGL Distant
Magnitudes: 6.6MS IGL Rms: 0.4 secs

SOUTHWESTERN PAKISTAN Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	6629	301	EP		2033	19.83	-0.04							1.0
MESJ	BZ	6634	299	EP		2033	20.25	-0.01							1.0
MESJ	BE	6634	299	ES		2041	24.78	-0.44							1.0
MESJ	BE	6634	299	AMS		21 5	37.66			31585	15.7				
MORF	BZ	6686	299	EP		2033	23.04	-0.48							1.0
MORF	BN	6686	299	ES		2041	31.41	0.10							1.0
MORF	BZ	6686	299	AMS		21 5	58.56			39907	15.9				
GGNV	BZ	6689	300	EP		2033	24.17	0.60							1.0
GGNV	BN	6689	300	ES		2041	31.72	0.29							1.0
GGNV	BN	6689	300	AMS		2051	33.64			54019	18.9				

January 18 2011 Hour: 21:30 43.9 Lat: 18.96S Lon: 69.25W Depth: 74F Agency: IGL Distant
Magnitudes: 5.2MB 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
MORF	BZ	8890	45	EP		2142	44.77	-0.01							1.0
MORF	BZ	8890	45	AMb		2142	53.18			51	0.8				
MESJ	BZ	8954	45	EP		2142	47.83	0.01							1.0
MESJ	BZ	8954	45	AMb		2142	53.51			32	1.1				

January 19 2011 Hour: 5:43 28.0 Lat: 37.65N Lon: 8.35W Depth: 13F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

W OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	24	29	EP		543	32.31	-0.05							1.0
MESJ	HN	24	29	ES		543	35.60	0.03							1.0
MESJ	HN	24	29	AML		543	36.00			78	0.2				

MORF HZ	47	215	EP		543	35.61	-0.10										1.0
MORF HE	47	215	ES		543	41.49	0.12										1.0
MORF HE	47	215	AML		543	41.80			20	0.2							

January 19 2011 Hour: 6:57 47.5 Lat: 38.46N Lon: 7.72W Depth: 15F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

NW REGUENGOS DE MONSARAZ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	82	213	EP			658	0.55	0.03							1.0
MESJ HN	82	213	ES			658	10.03	-0.03							1.0
MESJ HN	82	213	AML			658	10.46		4	0.3					

January 19 2011 Hour: 9:17 51.0 Lat: 41.98N Lon: 42.65E Depth: 14F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.1 secs

GEORGIA (SAK'ART'VELO) Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ	4310	281	EP			925	15.03	0.07							1.0
MESJ BZ	4310	281	AMb			925	17.38		49	1.7					
MESJ BZ	4310	281	EPP			926	44.02	0.16							1.0
MESJ BN	4310	281	ES			931	12.60	-0.19							1.0
MORF BZ	4368	281	EP			925	19.33	-0.05							1.0
MORF BZ	4368	281	AMb			925	20.52		100	2.1					

January 20 2011 Hour: 2:43 14.8 Lat: 38.79N Lon: 7.98W Depth: 9F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

NE ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR SZ	66	308	EP			243	25.50	-0.04							1.0
ALMR SN	66	308	ES			243	33.39	0.05							1.0
ALMR SN	66	308	AML			243	34.81		16	0.3					
MESJ HZ	108	191	EP			243	31.94	-0.05							1.0
MESJ HN	108	191	ES			243	44.54	0.04							1.0
MESJ HN	108	191	AML			243	45.81		9	0.1					

January 20 2011 Hour: 7:16 42.0 Lat: 36.30N Lon: 7.68W Depth: 13F 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 HN	141	322	ES			717	19.58	0.01							1.0
MORF HE	141	322	AML			717	20.79		23	0.3					
MESJ HZ	177	344	EP			717	8.14	-0.02							1.0

January 21 2011 Hour: 13: 4 25.5 Lat: 37.34N Lon: 8.54W Depth: 14F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.2 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	11	249	EP			13	4	28.22	-0.19						1.0
MORF HN	11	249	ES			13	4	30.55	0.04						1.0
MORF HN	11	249	AML			13	4	31.15		65	0.2				
MESJ HZ	62	27	EP			13	4	35.92	0.26						1.0
MESJ HN	62	27	ES			13	4	42.94	-0.10						1.0
MESJ HN	62	27	AML			13	4	44.80		9	0.1				

January 21 2011 Hour: 16:15 46.0 Lat: 20.07N Lon: 66.01W Depth: 28F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.1 secs

NORTH OF PUERTO RICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ	5831	58	EP			1624	55.72	-0.12							1.0
MORF BZ	5831	58	AMb			1624	57.70		96	0.9					
MESJ BZ	5872	57	EP			1624	58.62	0.12							1.0
MESJ BZ	5872	57	AMb			1625	0.74		79	1.7					

January 21 2011 Hour: 19:51 14.1 Lat: 36.86N Lon: 8.90W Depth: 28F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	54	24	EP		1951	23.51	0.04							1.0
MORF	HN	54	24	ES		1951	30.28	-0.04							1.0
MORF	HE	54	24	AML		1951	31.35			21	0.2				

January 22 2011 Hour: 1:51 49.2 Lat: 37.00N Lon: 5.60W Depth: 0 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	250	293	EP		152	25.68	-0.03							1.0

January 22 2011 Hour: 9:47 31.5 Lat: 36.98N Lon: 5.61W Depth: 3F 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	250	293	EP		948	7.82	0.04							1.0

January 22 2011 Hour: 10:55 12.2 Lat: 38.06N Lon: 8.25W Depth: 5F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 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	25	174	EP		1055	16.30	0.00							1.0
MESJ	HE	25	174	ES		1055	19.26	0.00							1.0
MESJ	HN	25	174	AML		1055	19.48			9	0.1				

January 22 2011 Hour: 11:29 14.6 Lat: 36.82N Lon: 7.38W Depth: 26F 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	HE	125	296	ES		1129	46.74	-0.15							1.0
MORF	HE	125	296	AML		1129	47.50			33	0.1				
MESJ	HZ	135	327	EP		1129	34.57	0.07							1.0
MESJ	HN	135	327	ES		1129	49.10	0.08							1.0
MESJ	HN	135	327	AML		1129	49.91			9	0.1				

January 22 2011 Hour: 14:26 11.2 Lat: 36.52N Lon: 9.80W Depth: 14F 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	HN	135	49	ES		1426	47.17	-0.01							1.0
MORF	HN	135	49	AML		1426	48.21			15	0.1				
MESJ	HZ	203	43	EP		1426	40.30	-0.14							1.0
MESJ	HN	203	43	ES		1427	1.95	0.15							1.0
MESJ	HN	203	43	AML		1427	3.12			3	0.4				

January 23 2011 Hour: 2: 4 54.0 Lat: 36.01N Lon: 7.76W Depth: 22F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	207	349	EP		2	5	23.04	-0.07						1.0
MESJ	HN	207	349	ES		2	5	44.41	0.07						1.0
MESJ	HN	207	349	AML		2	5	45.06		6	0.4				

January 24 2011 Hour: 2:45 31.0 Lat: 38.46N Lon: 72.75E Depth: 99F Agency: IGL Distant
Magnitudes: 5.9MB IGL Rms: 0.1 secs

TAJKISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	6806	299	EP		255	35.41	-0.07							1.0
ALMR	SZ	6806	299	AMb		255	40.16			1115	1.3				
MESJ	BZ	6847	297	EP		255	38.00	-0.01							1.0

MESJ BZ 6847 297 AMb	255 43.22	195 1.7	
MESJ BN 6847 297 ES	3 3 52.93 0.02		1.0
GGNV BZ 6872 299 EP	255 39.60 0.08		1.0
GGNV BZ 6872 299 AMb	255 45.24	320 1.0	
MORF BN 6908 297 ES	3 3 59.97-0.03		1.0

January 24 2011 Hour: 14:36 52.9 Lat: 35.81N Lon: 7.46W Depth: 30F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	197	328	EP		1437	20.46	0.16							1.0
MORF	HE	197	328	ES		1437	40.19-0.08								1.0
MORF	HN	197	328	AML		1437	42.15		66	0.3					
MESJ	HZ	235	343	EP		1437	24.95-0.03								1.0
MESJ	HE	235	343	ES		1437	48.31-0.05								1.0
MESJ	HE	235	343	AML		1437	49.29		28	0.1					

January 24 2011 Hour: 15: 3 8.5 Lat: 36.69N Lon: 9.76W Depth: 8F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	120	55	EP		15 3	27.73	0.08							1.0
MORF	HN	120	55	ES		15 3	41.71	0.11							1.0
MORF	HN	120	55	AML		15 3	42.87		28	0.2					
MESJ	HZ	187	46	EP		15 3	36.21-0.19								1.0
MESJ	HE	187	46	ES		15 3	56.72-0.01								1.0
MESJ	HN	187	46	AML		15 3	57.76		8	0.1					

January 26 2011 Hour: 17: 3 33.2 Lat: 11.03S Lon: 166.32E Depth:157FAgency: IGL Distant
Rms: 0.1 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17015	350		EP		1723	3.47-0.06								1.0
MORF	BZ17081	351		EP		1723	4.49 0.06								1.0

January 26 2011 Hour: 23:44 29.2 Lat: 36.83N Lon: 9.64W Depth: 26F 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	103	59	EP		2344	45.02	0.01							1.0
MORF	HN	103	59	ES		2344	56.63	0.04							1.0
MORF	HN	103	59	AML		2344	57.35		45	0.3					
MESJ	HZ	168	48	EP		2344	53.08-0.08								1.0
MESJ	HN	168	48	ES		2345	10.70	0.02							1.0
MESJ	HN	168	48	AML		2345	11.70		8	0.3					

January 27 2011 Hour: 2:53 0.2 Lat: 37.33N Lon: 8.53W Depth: 12F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.2 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	256	EP		253	2.82-0.10								1.0
MORF	HE	11	256	ES		253	5.11 0.22								1.0
MORF	HN	11	256	AML		253	5.78		117	0.2					
MESJ	HZ	63	26	EP		253	10.29-0.13								1.0

January 27 2011 Hour: 3:37 28.7 Lat: 36.56N Lon: 9.63W Depth: 20F 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	HN	120	46	ES		338	0.67-0.04								1.0
MORF	HN	120	46	AML		338	1.74		23	0.3					
MESJ	HZ	189	41	EP		337	55.58-0.15								1.0
MESJ	HE	189	41	ES		338	15.67 0.19								1.0
MESJ	HN	189	41	AML		338	16.22		6	0.1					

January 27 2011 Hour: 8:38 28.6 Lat: 28.18N Lon: 58.97E Depth: 11F Agency: IGL Distant
Magnitudes: 5.9MS IGL Rms: 0.2 secs

SOUTHEASTERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6239	298	EP		848	7.77	-0.08							1.0
MESJ	BN	6239	298	ES		855	57.16	-0.26							1.0
MESJ	BZ	6239	298	AMS		914	12.80		11310	20.8					
MORF	BZ	6288	298	EP		848	11.12	0.06							1.0
MORF	BN	6288	298	ES		856	3.65	0.26							1.0
MORF	BZ	6288	298	AMS		916	27.18		8327	18.7					
GGNV	BE	6299	300	ES		856	4.61	0.02							1.0
GGNV	BE	6299	300	AMS		914	37.89		8886	21.5					

January 27 2011 Hour: 16:38 19.3 Lat: 35.71N Lon: 10.10W Depth: 31F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	220	36	EP		1638	49.52	0.18							1.0
MORF	HE	220	36	ES		1639	11.00	-0.28							1.0
MORF	HN	220	36	AML		1639	11.19		4	0.3					
MESJ	HZ	290	35	EP		1638	58.14	0.11							1.0

January 27 2011 Hour: 18:28 52.9 Lat: 36.65N Lon: 11.01W Depth: 7F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	222	70	EP		1829	25.21	-0.12							1.0
MORF	HN	222	70	ES		1829	49.13	0.15							1.0
MORF	HN	222	70	AML		1829	50.27		3	0.3					
MESJ	HZ	281	61	EP		1829	32.51	-0.02							1.0

January 28 2011 Hour: 0:15 45.6 Lat: 37.30N Lon: 8.59W Depth: 13F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

SW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	277	EP		015	47.91	0.00							1.0
MORF	HN	5	277	ES		015	49.62	0.00							1.0
MORF	HE	5	277	AML		015	49.85		21	0.2					

January 28 2011 Hour: 3:28 26.3 Lat: 36.62N Lon: 11.23W Depth: 22F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	242	71	EP		328	59.89	0.10							1.0
MORF	HN	242	71	ES		329	24.13	-0.08							1.0
MORF	HN	242	71	AML		329	24.91		11	0.2					
MESJ	HZ	299	62	EP		329	6.91	0.02							1.0
MESJ	HN	299	62	ES		329	36.45	-0.05							1.0
MESJ	HN	299	62	AML		329	38.66		3	0.3					

January 28 2011 Hour: 9:25 21.9 Lat: 38.80N Lon: 7.95W Depth: 6F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.2 secs

NE ARRAIÓLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	109	193	EP		925	39.60	0.19							1.0
MESJ	HN	109	193	ES		925	52.04	-0.19							1.0
MESJ	HN	109	193	AML		925	52.95		4	0.2					

January 28 2011 Hour: 11:48 0.2 Lat: 38.11N Lon: 8.95W Depth: 1 Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.2 secs

NW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	71	115	EP		1148	11.41	-0.19							1.0
MESJ	HN	71	115	ES		1148	20.13	0.19							1.0
MESJ	HE	71	115	AML		1148	20.72			2	0.4				

January 28 2011 Hour: 11:58 55.5 Lat: 38.80N Lon: 7.95W Depth: 6F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.2 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	193	EP		1159	13.22	0.16							1.0
MESJ	HE	109	193	ES		1159	25.72	-0.16							1.0
MESJ	HE	109	193	AML		1159	26.72			5	0.3				

January 29 2011 Hour: 1:14 36.0 Lat: 37.62N Lon: 8.42W Depth: 1 Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

SW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	30	36	EP		114	40.78	-0.09							1.0
MESJ	HN	30	36	ES		114	44.37	-0.05							1.0
MESJ	HE	30	36	AML		114	44.55			15	0.1				
MORF	HZ	40	210	EP		114	42.62	0.09							1.0
MORF	HN	40	210	ES		114	47.35	0.06							1.0
MORF	HN	40	210	AML		114	48.05			12	0.3				

January 29 2011 Hour: 6:55 26.7 Lat: 70.96N Lon: 6.78W Depth: 9F Agency: IGL Distant
Magnitudes: 6.4MS IGL Rms: 0.1 secs

JAN MAYEN ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	3540	183	EP		7	1	51.85	-0.02						1.0
GGNV	BZ	3589	183	EP		7	1	55.74	-0.04						1.0
GGNV	BN	3589	183	ES		7	7	10.51	0.15						1.0
GGNV	BE	3589	183	AMS		712	47.08			76410	22.2				
MESJ	BZ	3685	182	EP		7	2	3.48	0.16						1.0
MESJ	BN	3685	182	ES		7	7	23.73	-0.04						1.0
MESJ	BE	3685	182	AMS		713	39.06			93019	18.8				
MORF	BZ	3745	183	EP		7	2	8.01	-0.04						1.0
MORF	BN	3745	183	ES		7	7	31.99	-0.18						1.0
MORF	BE	3745	183	AMS		713	39.71			70100	19.8				

January 29 2011 Hour: 8:11 17.1 Lat: 38.80N Lon: 7.96W Depth: 4F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.2 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	192	EP		811	34.92	0.19							1.0
MESJ	HE	109	192	ES		811	47.39	-0.19							1.0
MESJ	HN	109	192	AML		811	48.26			5	0.4				

January 29 2011 Hour: 8:12 17.0 Lat: 38.78N Lon: 7.96W Depth: 3F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.2 secs

NE ARRAIOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	107	192	EP		812	34.49	0.20							1.0
MESJ	HE	107	192	ES		812	46.67	-0.20							1.0
MESJ	HE	107	192	AML		812	47.19			4	0.5				

January 29 2011 Hour: 8:15 1.2 Lat: 38.79N Lon: 7.94W Depth: 0 Agency: IGL Regional
Magnitudes: 1.3ML 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 108 193 EP 815 18.76 0.13 1.0
 MESJ HE 108 193 ES 815 31.25-0.13 1.0
 MESJ HE 108 193 AML 815 32.43 6 0.2

January 29 2011 Hour: 8:21 59.9 Lat: 38.79N Lon: 7.96W Depth: 3F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs
NE ARRAIOS, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 108 192 EP 822 17.32-0.04 1.0
 MESJ HN 108 192 ES 822 30.11 0.04 1.0
 MESJ HN 108 192 AML 822 31.31 6 0.1

January 29 2011 Hour: 8:24 26.4 Lat: 38.79N Lon: 7.95W Depth: 3F Agency: IGL Regional
Magnitudes: 0.7ML 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 108 193 EP 824 43.96 0.13 1.0
 MESJ HE 108 193 ES 824 56.44-0.13 1.0
 MESJ HE 108 193 AML 824 57.60 2 0.2

January 29 2011 Hour: 8:26 17.9 Lat: 38.80N Lon: 7.96W Depth: 10F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.2 secs
NE ARRAIOS, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 109 192 EP 826 35.38 0.19 1.0
 MESJ HE 109 192 ES 826 47.63-0.19 1.0
 MESJ HN 109 192 AML 826 48.19 3 0.5

January 29 2011 Hour: 8:31 52.7 Lat: 38.79N Lon: 7.95W Depth: 3F Agency: IGL Regional
Magnitudes: 1.1ML 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 108 193 EP 832 10.28 0.12 1.0
 MESJ HE 108 193 ES 832 22.77-0.12 1.0
 MESJ HN 108 193 AML 832 23.90 4 0.1

January 29 2011 Hour: 18:59 22.0 Lat: 37.21N Lon: 8.46W Depth: 16F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs
NW SILVES, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 20 302 EP 1859 25.98-0.12 1.0
 MORF HN 20 302 ES 1859 29.26 0.15 1.0
 MORF HN 20 302 AML 1859 30.06 6 0.1
 MESJ HN 73 17 ES 1859 42.31-0.03 1.0
 MESJ HE 73 17 AML 1859 44.40 1 0.3

January 30 2011 Hour: 1:39 19.4 Lat: 36.57N Lon: 14.41W Depth: 10F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 519 79 EP 140 28.25 0.14 1.0
 MORF HN 519 79 ES 141 18.12-0.14 1.0
 MORF HN 519 79 AML 141 20.10 2 0.3

January 30 2011 Hour: 6: 5 20.5 Lat: 38.78N Lon: 7.95W Depth: 8F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs

NE ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SN	68	308	ES		6	5	39.91	0.18						1.0
ALMR	SN	68	308	AML		6	5	41.19		51	0.2				
MESJ	HZ	107	193	EP		6	5	37.66	0.03						1.0
MESJ	HN	107	193	ES		6	5	50.24	0.12						1.0
MESJ	HN	107	193	AML		6	5	51.84		10	0.2				
ALMR	SZ	68	308	EP		6	5	31.30	-0.32						1.0

January 30 2011 Hour: 13: 8 37.0 Lat: 36.80N Lon: 9.62W Depth: 16F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.3 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	103	57	EP		13	8	53.26	-0.01						1.0
MORF	HN	103	57	ES		13	9	5.33	0.16						1.0
MORF	HE	103	57	AML		13	9	6.44		9	0.2				
MESJ	HN	169	47	ES		13	9	20.37	0.28						1.0
MESJ	HN	169	47	AML		13	9	21.41		3	0.2				
MESJ	HZ	169	47	EP		13	9	1.45	-0.44						1.0

January 31 2011 Hour: 1:32 31.7 Lat: 36.37N Lon: 8.13W Depth: 21F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	114	336	EP		132		49.16	-0.12						1.0
MORF	HE	114	336	ES		133		2.12	-0.03						1.0
MORF	HE	114	336	AML		133		2.46		11	0.2				
MESJ	HZ	163	357	EP		132		55.52	0.13						1.0
MESJ	HE	163	357	ES		133		12.75	0.03						1.0
MESJ	HE	163	357	AML		133		13.38		6	0.3				

January 31 2011 Hour: 3:40 56.3 Lat: 36.49N Lon: 7.88W Depth: 21F 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	HE	114	323	ES		341		26.69	-0.07						1.0
MORF	HE	114	323	AML		341		27.19		10	0.2				
MESJ	HZ	153	349	EP		341		18.73	0.00						1.0
MESJ	HN	153	349	ES		341		35.17	0.07						1.0
MESJ	HN	153	349	AML		341		36.28		5	0.3				

January 31 2011 Hour: 6: 3 26.6 Lat: 21.94S Lon: 175.51W Depth: 69F Agency: IGL Distant
Magnitudes: 5.3MS IGL Rms: 0.2 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17885		32	EPP		627		43.36	-0.30						1.0
MESJ	BE17885		32	ESS		647		52.26	0.05						1.0
MESJ	BZ17885		32	AMS		730		12.37		416	20.9				
MORF	BZ17906		34	EPP		627		44.79	0.03						1.0
MORF	BE17906		34	ESS		647		54.55	0.21						1.0
MORF	BZ17906		34	AMS		726		33.70		500	19.2				

January 31 2011 Hour: 21: 5 30.3 Lat: 37.30N Lon: 8.64W Depth: 10F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	1	306	EP		21	5	31.87	-0.10						1.0
MORF	HN	1	306	ES		21	5	33.34	0.12						1.0
MORF	HN	1	306	AML		21	5	33.92		66	0.3				
MESJ	HZ	70	32	EP		21	5	41.71	0.00						1.0
MESJ	HE	70	32	ES		21	5	50.06	-0.02						1.0

MESJ HN 70 32 AML 21 5 51.44 4 0.3

**January 31 2011 Hour: 21:21 16.0 Lat: 37.31N Lon: 8.91W Depth: 4F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.2 secs**

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	23	91	EP		2121	20.00	0.19							1.0
MORF	HE	23	91	ES		2121	22.54	-0.03							1.0
MORF	HN	23	91	AML		2121	23.10			7	0.4				
MESJ	HN	85	46	ES		2121	39.51	-0.17							1.0
MESJ	HN	85	46	AML		2121	41.96			2	0.3				

**February 1 2011 Hour: 3:28 20.6 Lat: 36.27N Lon: 7.78W 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	139	326	EP		328	41.88	-0.09							1.0
MORF	HE	139	326	ES		328	57.41	-0.13							1.0
MORF	HE	139	326	AML		328	58.04			8	0.1				
MESJ	HZ	179	347	EP		328	47.00	0.13							1.0
MESJ	HN	179	347	ES		329	6.11	0.09							1.0
MESJ	HN	179	347	AML		329	8.03			4	0.3				

**February 1 2011 Hour: 5:18 37.9 Lat: 22.13S Lon: 63.69W Depth: 517F Agency: IGL Distant
Magnitudes: 4.6MB IGL Rms: 0.1 secs**

SALTA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8812	42	EP		529	49.15	0.05							1.0
MESJ	BZ	8812	42	AMB		529	50.81			39	1.0				

**February 1 2011 Hour: 10:28 10.1 Lat: 36.54N Lon: 9.70W Depth: 10F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	47	EP		1028	30.16	0.13							1.0
MORF	HE	126	47	ES		1028	44.65	0.05							1.0
MORF	HN	126	47	AML		1028	45.54			8	0.0				
MESJ	HZ	195	42	EP		1028	38.63	-0.12							1.0
MESJ	HN	195	42	ES		1028	59.61	-0.07							1.0
MESJ	HN	195	42	AML		1029	1.13			4	0.6				

**February 2 2011 Hour: 0:38 18.2 Lat: 54.98N Lon: 160.43W Depth: 35F Agency: IGL Distant
Magnitudes: 5.7MS IGL Rms: 0.1 secs**

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	9240	22	EP		050	40.19	0.05							1.0
GGNV	BZ	9273	22	EP		050	41.85	0.19							1.0
GGNV	BN	9273	22	ES		1 1	0.78	-0.09							1.0
GGNV	BZ	9273	22	AMS		126	17.79			4242	26.1				
MESJ	BZ	9389	22	EP		050	46.93	-0.07							1.0
MESJ	BN	9389	22	ES		1 1	7.57	-0.15							1.0
MESJ	BZ	9389	22	AMS		126	25.59			3973	21.2				
MORF	BZ	9435	22	EP		050	49.37	0.20							1.0
MORF	BN	9435	22	ES		1 1	10.40	-0.11							1.0
MORF	BZ	9435	22	AMS		127	10.96			4441	23.7				

**February 2 2011 Hour: 3: 9 10.1 Lat: 38.02N Lon: 9.51W Depth: 10F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.2 secs**

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	110	136	EP		3 9	27.30	-0.25							1.0
MESJ	HZ	115	100	EP		3 9	28.54	0.16							1.0
MESJ	HN	115	100	ES		3 9	41.78	0.09							1.0
MESJ	HN	115	100	AML		3 9	43.36			8					

February 2 2011 Hour: 15:20 43.0 Lat: 36.85N Lon: 8.60W Depth: 1 Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Ner: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	51	355	EP		1520	51.14	-0.06							1.0
MORF	HE	51	355	ES		1520	57.25	0.06							1.0
MORF	HN	51	355	AML		1520	57.97			5	0.1				

February 2 2011 Hour: 16:37 49.8 Lat: 36.75N Lon: 7.22W Depth: 19F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	141	296	EP		1638	11.10	0.06							1.0
MORF	HE	141	296	ES		1638	26.50	-0.04							1.0
MORF	HE	141	296	AML		1638	27.71			10	0.3				
MESJ	HZ	150	324	EP		1638	12.01	-0.05							1.0
MESJ	HN	150	324	ES		1638	28.34	0.04							1.0
MESJ	HN	150	324	AML		1638	29.28			5	0.2				

February 3 2011 Hour: 7:13 47.1 Lat: 36.56N Lon: 7.61W Depth: 30F 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	HN	124	312	ES		714	18.78	0.00							1.0
MORF	HN	124	312	AML		714	19.54			8	0.2				
MESJ	HZ	152	339	EP		714	8.76	-0.07							1.0
MESJ	HN	152	339	ES		714	24.74	0.07							1.0
MESJ	HE	152	339	AML		714	26.39			5	0.3				

February 3 2011 Hour: 22:29 43.6 Lat: 36.24N Lon: 7.57W Depth: 0 Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	187	342	EP		2230	12.28	-0.01							1.0
MESJ	HE	187	342	ES		2230	33.21	0.01							1.0
MESJ	HN	187	342	AML		2230	34.70			2	0.1				

February 3 2011 Hour: 23:22 50.5 Lat: 36.91N Lon: 10.35W Depth: 30F Agency: IGL Regional
Magnitudes: 3.4ML 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	157	73	EP		2323	13.25	0.40							1.0
MORF	HN	157	73	ES		2323	29.00	-0.19							1.0
MORF	HN	157	73	AML		2323	30.12			715	0.1				
MESJ	HZ	215	61	EP		2323	20.25	0.26							1.0
MESJ	HN	215	61	ES		2323	41.41	-0.13							1.0
MESJ	HE	215	61	AML		2323	42.55			136	0.2				
GGNV	HN	227	27	ES		2323	43.87	-0.14							1.0
GGNV	HN	227	27	AML		2323	46.37			256	0.3				
ALMR	SZ	294	31	EP		2323	29.67	-0.10							0.9
ALMR	SN	294	31	ES		2323	58.34	-0.13							0.9
ALMR	SN	294	31	AML		2323	59.88			166	0.2				

February 4 2011 Hour: 1:58 28.5 Lat: 37.31N Lon: 8.60W Depth: 16F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	265	EP		158	31.10	-0.09							1.0
MORF	HE	5	265	ES		158	33.25	0.07							1.0
MORF	HN	5	265	AML		158	33.79			66	0.3				
MESJ	HZ	68	30	EP		158	39.47	0.04							1.0
MESJ	HN	68	30	ES		158	47.41	-0.02							1.0
MESJ	HN	68	30	AML		158	48.69			10	0.2				

February 4 2011 Hour: 12:33 9.0 Lat: 42.63N Lon: 9.22W Depth: 4F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	539	171	EP		1234	20.69	0.01							1.0
MESJ	HE	539	171	ES		1235	13.07	0.09							1.0
MESJ	HE	539	171	AML		1235	13.88			2	0.3				
MORF	HZ	593	175	EP		1234	27.31	0.00							1.0
MORF	HE	593	175	ES		1235	24.33	-0.12							1.0
MORF	HN	593	175	AML		1235	25.71			5	0.4				

February 4 2011 Hour: 13:53 47.3 Lat: 24.62N Lon: 94.74E Depth: 89F Agency: IGL Distant
Magnitudes: 6.5MB IGL Rms: 0.1 secs

MYANMAR-INDIA BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	9391	311	EP		14 6	10.04	0.02							1.0
ALMR	SZ	9391	311	AMb		14 6	11.25			1480	0.8				
MESJ	BZ	9430	309	EP		14 6	11.79	-0.02							1.0
MESJ	BZ	9430	309	AMb		14 6	13.60			584	1.0				
MESJ	BE	9430	309	ES		1416	26.66	0.02							1.0
GGNV	BZ	9457	310	EP		14 6	13.07	0.06							1.0
GGNV	BZ	9457	310	AMb		14 6	15.03			535	1.0				
GGNV	BN	9457	310	ES		1416	28.25	0.07							1.0
MORF	BZ	9491	309	EP		14 6	14.63	0.03							1.0
MORF	BZ	9491	309	AMb		14 6	17.24			587	1.0				
MORF	BE	9491	309	ES		1416	30.02	-0.21							0.9

February 4 2011 Hour: 20:16 54.4 Lat: 36.98N Lon: 13.50W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML 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	433	84	EP		2017	53.67	0.07							1.0
MORF	HE	433	84	ES		2018	36.67	-0.13							1.0
MORF	HN	433	84	AML		2018	37.06			23	0.2				
MESJ	HZ	477	77	EP		2017	58.92	-0.07							1.0
MESJ	HE	477	77	ES		2018	46.27	0.14							1.0
MESJ	HE	477	77	AML		2018	47.20			5	0.3				

February 6 2011 Hour: 6:17 14.9 Lat: 38.12N Lon: 8.33W Depth: 9F Agency: IGL Regional
Magnitudes: 0.2ML 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	HE	33	163	ES		617	24.33	0.00							1.0
MESJ	HE	33	163	AML		617	24.86			3	0.2				
MESJ	HZ	33	163	EP		617	20.35	0.00							1.0

February 6 2011 Hour: 18:40 36.5 Lat: 37.21N Lon: 8.37W Depth: 10F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

NE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	27	293	EP		1840	41.19	-0.01							1.0
MORF	HN	27	293	ES		1840	44.81	0.18							1.0
MORF	HN	27	293	AML		1840	46.20			203	0.3				
MESJ	HZ	71	11	EP		1840	47.95	-0.12							1.0
MESJ	HN	71	11	ES		1840	56.45	-0.06							1.0
MESJ	HN	71	11	AML		1840	58.05			89					

February 7 2011 Hour: 0:15 41.3 Lat: 36.60N Lon: 8.33W Depth: 27F 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	83	340	EP		015	54.56	-0.13							1.0
MORF	HE	83	340	ES		016	4.59	0.13							1.0
MORF	HE	83	340	AML		016	5.52		11	0.2					
MESJ	HZ	138	4	EP		016	1.44	0.00							1.0

February 7 2011 Hour: 2:51 45.8 Lat: 37.44N Lon: 9.58W Depth: 1 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	84	100	EP		251	59.32	0.00							1.0
MORF	HE	84	100	ES		252	9.37	0.20							1.0
MORF	HN	84	100	AML		252	10.58		9	0.2					
MESJ	HZ	128	69	EP		252	6.31	-0.16							1.0
MESJ	HE	128	69	ES		252	21.48	-0.05							1.0
MESJ	HE	128	69	AML		252	22.27		3	0.2					

February 7 2011 Hour: 13:25 11.2 Lat: 36.73N Lon: 7.59W Depth: 24F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	114	304	ES		1325	41.31	-0.02							1.0
MORF	HN	114	304	AML		1325	41.63		7	0.2					
MESJ	HZ	135	336	EP		1325	31.34	0.11							1.0
MESJ	HE	135	336	ES		1325	45.74	-0.09							1.0
MESJ	HE	135	336	AML		1325	47.37		4	0.1					

February 7 2011 Hour: 16:21 20.5 Lat: 36.94N Lon: 10.25W Depth: 22F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	148	74	EP		1621	42.28	0.03							1.0
MORF	HE	148	74	ES		1621	58.32	0.19							1.0
MORF	HN	148	74	AML		1621	59.12		125	0.1					
MESJ	HZ	206	60	EP		1621	49.31	-0.09							1.0
MESJ	HN	206	60	ES		1622	10.36	-0.14							1.0
MESJ	HE	206	60	AML		1622	12.05		26	0.1					

February 7 2011 Hour: 17:46 48.6 Lat: 38.87N Lon: 9.53W Depth: 1 Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NW SINTRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	162	135	EP		1747	14.11	0.13							1.0
MESJ	HN	162	135	ES		1747	32.39	-0.13							1.0
MESJ	HE	162	135	AML		1747	34.43		5	0.1					

February 7 2011 Hour: 19:0 59.9 Lat: 38.87N Lon: 8.24W Depth: 2F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.2 secs

SW MORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	43	318	EP		19 1	6.67	-0.12							1.0
ALMR	SN	43	318	ES		19 1	11.65	-0.21							1.0
ALMR	SN	43	318	AML		19 1	12.50		37	0.2					
MESJ	HZ	114	179	EP		19 1	18.62	0.31							1.0
MESJ	HE	114	179	ES		19 1	31.82	0.04							1.0
MESJ	HN	114	179	AML		19 1	33.26		12	0.2					

February 7 2011 Hour: 19:53 42.9 Lat: 7.16S Lon: 155.28E Depth:414F Agency: IGL Distant
Rms: 0.2 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	16139	338	EP		2012	31.02	-0.07							1.0
GGNV	BZ	16205	338	EP		2012	32.28	0.20							1.0
MESJ	BZ	16251	336	EP		2012	32.55	-0.24							1.0
MORF	BZ	16321	336	EP		2012	34.00	0.10							1.0

February 8 2011 Hour: 0:26 10.3 Lat: 36.60N Lon: 9.76W Depth: 21F 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	126	51	EP		026	29.45	0.03							1.0
MORF	HN	126	51	ES		026	43.28	-0.11							1.0
MORF	HN	126	51	AML		026	44.53			20	0.1				
MESJ	HZ	194	44	EP		026	37.81	0.00							1.0
MESJ	HE	194	44	ES		026	57.99	0.08							1.0
MESJ	HN	194	44	AML		026	59.29			7	0.3				

February 9 2011 Hour: 11:37 22.3 Lat: 35.84N Lon: 4.77W Depth: 0 Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	379	307	EP		1138	14.80	-0.08							1.0
MESJ	HE	379	307	ES		1138	53.51	0.25							1.0
MESJ	HE	379	307	AML		1138	54.98			83	0.2				
MORF	HZ	384	296	EP		1138	15.15	-0.28							1.0
MORF	HN	384	296	ES		1138	54.32	0.10							1.0
MORF	HE	384	296	AML		1138	56.70			174	0.2				

February 10 2011 Hour: 9: 5 16.2 Lat: 38.78N Lon: 7.95W Depth: 1 Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

NE ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	107	193	EP		9 5	33.38	-0.04							1.0
MESJ	HE	107	193	ES		9 5	46.12	0.10							1.0
MESJ	HN	107	193	AML		9 5	48.74			28	0.4				
MORF	HZ	175	201	EP		9 5	43.13	-0.06							1.0

February 10 2011 Hour: 14:39 29.3 Lat: 4.13N Lon: 123.02E Depth:528F Agency: IGL Distant
Rms: 0.0 secs

CELEBES SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	13189	317	EP		1457	16.74	0.03							1.0
MORF	BZ	13253	317	EP		1457	17.82	-0.03							1.0

February 10 2011 Hour: 14:41 57.4 Lat: 3.97N Lon: 123.12E Depth:512F Agency: IGL Distant
Rms: 0.2 secs

CELEBES SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	13211	317	EP		1459	46.96	0.15							1.0
MORF	BZ	13274	317	EP		1459	47.80	-0.15							1.0

February 10 2011 Hour: 22:53 48.0 Lat: 36.65N Lon: 11.19W Depth: 31F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	238	71	EP		2254	20.27	0.01							1.0
MORF	HN	238	71	ES		2254	43.76	-0.06							1.0
MORF	HN	238	71	AML		2254	44.97			12	0.3				
MESJ	HZ	295	63	EP		2254	27.38	0.05							1.0
MESJ	HN	295	63	ES		2254	56.06	0.00							1.0

MESJ HN 295 63 AML 2254 58.64 4 0.2

**February 11 2011 Hour: 6:51 26.7 Lat: 36.51N Lon: 6.01W Depth: 11F 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	245	308	EP		652	1.55	0.07							1.0

**February 11 2011 Hour: 7: 4 10.0 Lat: 37.30N Lon: 8.56W Depth: 16F Agency: IGL Regional
Magnitudes: 1.1ML 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	HN	8	275	ES		7 4	15.01	-0.07							1.0
MORF	HN	8	275	AML		7 4	15.49			59	0.3				
MORF	HZ	8	275	EP		7 4	13.02	0.07							1.0

**February 11 2011 Hour: 9:36 12.5 Lat: 37.32N Lon: 8.60W Depth: 16F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs**

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	251	EP		936	15.26	0.00							1.0
MORF	HN	5	251	ES		936	17.25	0.00							1.0
MORF	HN	5	251	AML		936	17.79			97	0.2				

**February 11 2011 Hour: 13:32 43.8 Lat: 38.11N Lon: 8.71W Depth: 13F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs**

SE MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	53	125	EP		1332	52.23	-0.19							1.0
MESJ	HE	53	125	ES		1332	58.87	0.15							1.0
MESJ	HN	53	125	AML		1333	0.29			7	0.1				
MORF	HN	89	177	ES		1333	8.45	0.04							1.0
MORF	HN	89	177	AML		1333	9.84			21	0.4				

**February 11 2011 Hour: 20: 5 30.4 Lat: 36.34S Lon: 72.96W Depth: 18F Agency: IGL Distant
Magnitudes: 7.4MS IGL Rms: 0.2 secs**

OFFSHORE BIO-BIO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10498	46	EP			2018	48.99	-0.02							1.0
MORF	BN10498	46	ES			2029	23.48	0.26							1.0
MORF	BZ10498	46	AMS			21 3	16.75			141000	17.7				
MESJ	BZ10566	46	EP			2018	51.88	0.14							1.0
MESJ	BN10566	46	ES			2029	26.20	-0.23							1.0
MESJ	BZ10566	46	AMS			21 3	44.71			136000	16.6				
GGNV	BZ10573	45	EP			2018	51.90	-0.07							1.0
GGNV	BN10573	45	ES			2029	26.65	-0.08							1.0
GGNV	BZ10573	45	AMS			21 0	20.59			88382	19.7				

**February 12 2011 Hour: 2:53 14.5 Lat: 0.07N Lon: 17.03W Depth: 5F Agency: IGL Distant
Magnitudes: 5.5MB IGL Rms: 0.1 secs**

NORTH OF ASCENSION ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4214	11	EP		3 0	32.36	-0.07							1.0
MORF	BZ	4214	11	AMB		3 0	35.11			91	1.4				
MESJ	BZ	4280	11	EP		3 0	37.50	0.07							1.0
MESJ	BZ	4280	11	AMB		3 0	41.08			131	1.6				

**February 12 2011 Hour: 17:57 56.2 Lat: 20.78S Lon: 175.59W Depth: 81F Agency: IGL Distant
Rms: 0.2 secs**

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17780	30	EP			1817	44.83	-0.15							1.0
MORF	BZ17804	32	EP			1817	45.44	0.15							1.0

February 13 2011 Hour: 5:25 45.6 Lat: 36.55N Lon: 7.26W Depth: 15F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	150	305	ES		526	24.65	-0.04							1.0
MORF	HE	150	305	AML		526	25.16			5	0.2				
MESJ	HZ	167	330	EP		526	10.29	0.03							1.0
MESJ	HN	167	330	ES		526	28.28	0.01							1.0
MESJ	HN	167	330	AML		526	29.33			3	0.4				

February 13 2011 Hour: 16:57 32.2 Lat: 35.67N Lon: 8.94W Depth: 31F 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	183	8	EP		1657	57.69	-0.07							1.0
MORF	HE	183	8	ES		1658	16.28	-0.14							1.0
MORF	HE	183	8	AML		1658	17.60			94	0.2				
MESJ	HZ	249	15	EP		1658	6.08	0.18							1.0
MESJ	HE	249	15	ES		1658	30.55	0.05							1.0
MESJ	HE	249	15	AML		1658	33.01			33	0.1				

February 13 2011 Hour: 17:18 8.1 Lat: 37.12N Lon: 7.95W Depth: 15F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

SE LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	83	343	EP		1718	21.50	0.09							1.0
MESJ	HN	83	343	ES		1718	31.05	-0.09							1.0
MESJ	HE	83	343	AML		1718	32.80			4	0.1				

February 14 2011 Hour: 3:40 10.5 Lat: 35.43S Lon: 72.74W Depth: 25F Agency: IGL Distant
Magnitudes: 6.9MS IGL Rms: 0.2 secs

OFFSHORE MAULE, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10414	46	EP			353	24.32	-0.22							1.0
MORF	BZ10414	46	AMS			434	21.84			35510	19.1				
MESJ	BZ10482	46	EP			353	27.50	0.23							1.0
MESJ	BZ10482	46	AMS			439	36.29			31898	13.7				
GGNV	BZ10488	45	EP			353	27.45	-0.01							1.0
GGNV	BZ10488	45	AMS			436	56.66			32578	17.3				

February 14 2011 Hour: 6: 2 56.2 Lat: 32.07N Lon: 5.70W Depth: 1 Agency: IGL Regional
Magnitudes: 4.1ML IGL Rms: 0.2 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	641	336	EP		6 4	20.26	-0.30							1.0
MORF	HN	641	336	ES		6 5	22.13	0.00							1.0
MORF	HE	641	336	AML		6 5	26.16			311	0.2				
MESJ	HZ	680	341	EP		6 4	25.37	0.05							1.0
MESJ	HE	680	341	ES		6 5	30.34	-0.01							1.0
MESJ	HE	680	341	AML		6 5	34.50			130	0.2				
ALMR	SZ	828	342	EP		6 4	43.15	0.34							0.9

February 14 2011 Hour: 18: 3 46.0 Lat: 37.33N Lon: 8.53W Depth: 5F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.2 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	256	EP		18 3	47.79	-0.25							1.0
MORF	HN	11	256	ES		18 3	49.63	0.13							1.0
MORF	HE	11	256	AML		18 3	50.17			118	0.2				
MESJ	HZ	63	26	EP		18 3	56.09	-0.13							1.0
MESJ	HN	63	26	ES		18 4	3.89	0.25							1.0
MESJ	HN	63	26	AML		18 4	4.95			3	0.1				

February 15 2011 Hour: 0:26 31.9 Lat: 35.90N Lon: 8.67W Depth: 31F Agency: IGL Regional
Magnitudes: 3.5ML 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	156	1	EP		026	53.84	-0.19							1.0
MORF	HE	156	1	ES		027	10.17	-0.04							1.0
MORF	HE	156	1	AML		027	11.07		494	0.1					
MESJ	HZ	219	10	EP		027	1.93	0.12							1.0
MESJ	HN	219	10	ES		027	23.94	0.27							1.0
MESJ	HN	219	10	AML		027	26.30		366	0.2					
GGNV	HZ	315	352	EP		027	13.80	0.02							0.9
GGNV	HN	315	352	ES		027	44.35	-0.03							0.9
GGNV	HE	315	352	AML		027	46.27		225	0.3					
ALMR	SZ	361	1	EP		027	19.37	-0.13							0.9
ALMR	SN	361	1	ES		027	54.25	-0.02							0.9
ALMR	SN	361	1	AML		027	57.22		176	0.5					

February 15 2011 Hour: 18:21 0.1 Lat: 36.76N Lon: 13.86W Depth: 25F Agency: IGL Regional
Magnitudes: 3.3ML IGL Rms: 0.5 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	467	81	EP		1822	1.60	0.54							1.0
MORF	HE	467	81	ES		1822	45.25	-0.33							1.0
MORF	HN	467	81	AML		1822	46.56		91	0.3					
MESJ	HZ	514	75	EP		1822	7.09	0.40							1.0
MESJ	HE	514	75	ES		1822	54.70	-0.62							1.0
MESJ	HE	514	75	AML		1822	58.78		35	0.2					

February 15 2011 Hour: 21:59 2.7 Lat: 0.09S Lon: 17.96W Depth: 15F Agency: IGL Distant
Magnitudes: 5.3MB IGL Rms: 0.1 secs

NORTH OF ASCENSION ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4252	12	EP		22 6	21.87	-0.11							1.0
MORF	BZ	4252	12	AMB		22 6	23.69		115	1.9					
MESJ	BZ	4319	12	EP		22 6	27.11	0.11							1.0
MESJ	BZ	4319	12	AMB		22 6	29.76		103	1.7					

February 15 2011 Hour: 22:30 53.3 Lat: 38.76N Lon: 9.86W Depth: 3F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	176	125	EP		2231	20.22	-0.09							1.0
MESJ	HN	176	125	ES		2231	40.14	0.09							1.0
MESJ	HN	176	125	AML		2231	42.91		9	0.6					

February 17 2011 Hour: 21:58 23.4 Lat: 36.15N Lon: 9.90W Depth: 1 Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	170	41	EP		2158	49.81	-0.04							1.0
MORF	HN	170	41	ES		2159	9.10	-0.06							1.0
MORF	HN	170	41	AML		2159	9.86		13	0.2					
MESJ	HZ	240	38	EP		2158	58.54	0.06							1.0
MESJ	HE	240	38	ES		2159	24.15	0.05							1.0
MESJ	HE	240	38	AML		2159	25.65		3	0.1					

February 18 2011 Hour: 1:10 9.0 Lat: 35.56N Lon: 4.55W Depth: 1 Agency: IGL Regional
Magnitudes: 3.8ML 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	414	309	EP		111	5.22	-0.50							1.0
MESJ	HN	414	309	ES		111	46.68	-0.45							1.0
MESJ	HN	414	309	AML		111	49.03		339	0.3					

MORF HZ	415	299	EP	111	5.68-0.25												1.0
MORF HE	415	299	ES	111	47.29-0.20												1.0
MORF HE	415	299	AML	111	49.22				201	0.3							
ALMR SZ	535	319	EP	111	20.32-0.10												0.9
ALMR SN	535	319	ES	112	11.94-0.62												0.9
ALMR SN	535	319	AML	112	14.62				81	0.4							
GGNV HE	538	312	ES	112	13.28 0.11												0.9
GGNV HE	538	312	AML	112	15.91				268	0.4							

February 18 2011 Hour: 9:42 49.9 Lat: 38.53N Lon: 8.32W Depth: 8F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SW MONTEMOR-O-NOVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	77	173	EP			943	2.46	0.05							1.0
MESJ HE	77	173	ES			943	11.49-0.05								1.0
MESJ HN	77	173	AML			943	12.11			2	0.1				

February 18 2011 Hour: 10:3 35.5 Lat: 37.34N Lon: 8.55W Depth: 11F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	10	247	EP			10	3	37.78-0.19							1.0
MORF HN	10	247	ES			10	3	39.84 0.09							1.0
MORF HN	10	247	AML			10	3	40.34		681	0.2				
MESJ HZ	63	28	EP			10	3	45.79 0.03							1.0
MESJ HN	63	28	ES			10	3	53.30 0.08							1.0
MESJ HN	63	28	AML			10	3	54.28		9	0.2				

February 18 2011 Hour: 13:13 39.3 Lat: 36.89N Lon: 11.97W Depth: 21F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	299	80	EP			1314	19.99	0.09							1.0
MORF HE	299	80	ES			1314	49.48-0.05								1.0
MORF HN	299	80	AML			1314	51.07			5	0.3				
MESJ HZ	348	71	EP			1314	26.11	0.05							1.0
MESJ HN	348	71	ES			1315	0.09-0.09								1.0
MESJ HN	348	71	AML			1315	2.15			2	0.5				

February 18 2011 Hour: 22:33 8.4 Lat: 36.38N Lon: 7.45W Depth: 3F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	148	314	EP			2233	31.82-0.18								1.0
MESJ HZ	176	337	EP			2233	35.32-0.05								1.0
MESJ HN	176	337	ES			2233	55.31 0.23								1.0
MESJ HN	176	337	AML			2233	57.21			4	0.2				

February 19 2011 Hour: 1:5 19.2 Lat: 35.86N Lon: 4.93W Depth: 0 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
MESJ HZ	367	308	EP			1	6	10.28 0.07							1.0
MESJ HN	367	308	ES			1	6	47.51 0.08							1.0
MESJ HE	367	308	AML			1	6	49.26		3	0.1				
MORF HZ	370	297	EP			1	6	10.50-0.13							1.0
MORF HN	370	297	ES			1	6	48.14-0.02							1.0
MORF HN	370	297	AML			1	6	49.74		5	0.3				

February 19 2011 Hour: 2:13 40.5 Lat: 38.78N Lon: 7.97W Depth: 3F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NE ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	107	192	EP		213	57.81	0.08							1.0
MESJ	HE	107	192	ES		214	10.22	-0.08							1.0
MESJ	HN	107	192	AML		214	10.88			2	0.2				

February 19 2011 Hour: 4:10 16.2 Lat: 36.62N Lon: 8.85W Depth: 1 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	78	13	EP		410	29.05	0.23							1.0
MORF	HN	78	13	ES		410	37.91	-0.12							1.0
MORF	HE	78	13	AML		410	39.49			17	0.3				
MESJ	HN	146	22	ES		410	56.63	-0.12							1.0
MESJ	HN	146	22	AML		410	58.21			3	0.4				

February 19 2011 Hour: 7:29 15.2 Lat: 37.31N Lon: 7.41W Depth: 17F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

NE CASTRO MARIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	93	310	EP		729	29.94	-0.03							1.0
MESJ	HE	93	310	ES		729	40.74	0.01							1.0
MESJ	HN	93	310	AML		729	42.98			28	0.2				
MORF	HZ	110	270	EP		729	32.65	0.03							1.0
MORF	HE	110	270	ES		729	45.30	-0.01							1.0
MORF	HN	110	270	AML		729	46.76			43	0.4				

February 20 2011 Hour: 2:15 27.3 Lat: 36.47N Lon: 11.02W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	291	58	EP		216	8.87	-0.10							1.0
MESJ	HN	291	58	ES		216	39.49	0.10							1.0
MESJ	HE	291	58	AML		216	42.21			7	0.1				

February 20 2011 Hour: 9:17 12.4 Lat: 7.26S Lon: 155.13E Depth: 35F Agency: IGL Distant
Rms: 0.1 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16254	336	EP			936	47.16	0.14							1.0

February 20 2011 Hour: 22:34 40.9 Lat: 38.51N Lon: 8.23W Depth: 8F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

S MONTEMOR-O-NOVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	74	179	EP		2234	53.11	0.11							1.0
MESJ	HE	74	179	ES		2235	1.70	-0.11							1.0
MESJ	HN	74	179	AML		2235	2.52			4	0.7				

February 21 2011 Hour: 1:25 52.1 Lat: 38.57N Lon: 7.97W Depth: 13F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

W EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	84	321	EP		126	5.58	0.09							1.0
ALMR	SN	84	321	ES		126	15.10	-0.12							1.0
ALMR	SN	84	321	AML		126	15.90			8	0.2				
MESJ	HZ	84	195	EP		126	5.63	0.08							1.0
MESJ	HE	84	195	ES		126	15.29	-0.05							1.0
MESJ	HN	84	195	AML		126	17.01			10	0.2				

February 21 2011 Hour: 5: 7 27.1 Lat: 36.44N Lon: 11.22W Depth: 31F Agency: IGL Regional
Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	308	59	EP		5 8	8.17	0.00							1.0

February 21 2011 Hour: 6:58 36.0 Lat: 27.20S Lon: 64.76W Depth: 11F Agency: IGL Distant
Magnitudes: 5.4MS IGL Rms: 0.1 secs

SANTIAGO DEL ESTERO, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9303	42	EP		711	4.64	0.06							1.0
MESJ	BZ	9303	42	AMS		749	21.35			1750	23.2				

February 21 2011 Hour: 10:17 57.1 Lat: 37.36N Lon: 9.10W Depth: 29F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	94	55	EP		1018	11.72	0.01							1.0
MESJ	HE	94	55	ES		1018	22.35	-0.01							1.0
MESJ	HE	94	55	AML		1018	22.87			12	0.2				

February 21 2011 Hour: 10:57 54.1 Lat: 26.08S Lon: 178.44E Depth: 562F Agency: IGL Distant
Rms: 0.1 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	18578	24	EP		1116	55.09	-0.09							1.0

February 21 2011 Hour: 17:24 41.5 Lat: 36.41N Lon: 7.48W Depth: 10F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	172	338	EP		1725	7.25	0.03							1.0
MESJ	HN	172	338	ES		1725	26.01	-0.03							1.0
MESJ	HN	172	338	AML		1725	27.87			3	0.4				

February 21 2011 Hour: 23:51 42.7 Lat: 43.60S Lon: 172.71E Depth: 5F Agency: IGL Distant
Magnitudes: 6.8MS IGL Rms: 0.1 secs

SOUTH ISLAND OF NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	19361	173	EP		2411	52.91	-0.12							1.0
MESJ	BZ	19361	173	EPP		2417	17.46	0.21							1.0
MESJ	BZ	19361	173	AMS		2528	20.97			11136	19.4				
GGNV	BZ	19441	163	EP		2411	53.16	-0.08							1.0
GGNV	BN	19441	163	AMS		2531	1.96			8739	16.8				

February 24 2011 Hour: 21:57 0.5 Lat: 36.66N Lon: 9.74W Depth: 24F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	188	45	EP		2157	27.03	-0.01							1.0
MESJ	HE	188	45	ES		2157	46.43	0.01							1.0
MESJ	HE	188	45	AML		2157	47.28			26	0.1				

February 25 2011 Hour: 7:17 14.1 Lat: 36.71N Lon: 9.66W Depth: 14F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	179	45	EP		717	40.39	0.01							1.0
MESJ	HE	179	45	ES		717	59.55	-0.01							1.0
MESJ	HN	179	45	AML		717	59.80			7	0.2				

February 25 2011 Hour: 12:55 4.0 Lat: 36.03N Lon: 8.52W Depth: 31F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	203	7	EP		1255	31.77	-0.11							1.0
MESJ	HE	203	7	ES		1255	52.36	0.11							1.0
MESJ	HN	203	7	AML		1255	53.14			15	0.2				

February 25 2011 Hour: 13: 7 28.0 Lat: 17.97N Lon: 94.98W Depth:133FAgency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.2 secs
VERACRUZ, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8536	54	EP		1319	4.99	0.23							1.0
MESJ	BZ	8536	54	AMb		1319	8.23			88	1.1				
MESJ	BN	8536	54	ES		1328	41.11	-0.23							1.0

February 25 2011 Hour: 14:27 43.7 Lat: 36.19N Lon: 9.92W Depth: 31F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	237	39	EP		1428	15.85	-0.07							1.0
MESJ	HN	237	39	ES		1428	39.52	0.07							1.0
MESJ	HN	237	39	AML		1428	41.89			14	0.2				

February 26 2011 Hour: 9: 2 58.1 Lat: 38.28N Lon: 9.39W Depth: 13F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs
SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	114	115	EP		9 3	16.01	0.03							1.0
MESJ	HE	114	115	ES		9 3	29.03	-0.03							1.0
MESJ	HE	114	115	AML		9 3	31.90			8	0.2				

February 26 2011 Hour: 14:26 10.9 Lat: 35.09N Lon: 6.00W Depth: 30F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs
MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	364	328	EP		1426	58.92	-0.01							1.0
MESJ	HN	364	328	ES		1427	34.01	0.01							1.0
MESJ	HN	364	328	AML		1427	36.81			9	0.4				

February 26 2011 Hour: 17:54 21.7 Lat: 38.44N Lon: 7.93W Depth: 14F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
S EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	71	201	EP		1754	33.30	0.08							1.0
MESJ	HN	71	201	ES		1754	41.54	-0.08							1.0
MESJ	HE	71	201	AML		1754	44.13			9	0.2				

February 27 2011 Hour: 7:10 30.7 Lat: 36.48N Lon: 4.56W Depth: 31F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	358	296	EP		711	17.90	-0.11							1.0
MESJ	HN	358	296	ES		711	52.62	0.11							1.0
MESJ	HE	358	296	AML		711	54.81			31	0.1				

February 28 2011 Hour: 7:49 5.9 Lat: 34.82N Lon: 25.44E Depth: 50F Agency: IGL Distant
Magnitudes: 4.9MB IGL Rms: 0.1 secs
CRETE, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3025	286	EP		754	44.99	0.09							1.0
MESJ	BZ	3025	286	AMb		754	49.55			52	1.8				

February 28 2011 Hour: 20:35 36.7 Lat: 36.22N Lon: 8.57W Depth: 9F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	182	10	EP		2036	3.86	-0.02							1.0
MESJ	HE	182	10	ES		2036	23.75	0.02							1.0
MESJ	HN	182	10	AML		2036	24.79			38	0.2				