

Seismological Bulletin

from the

IGIDL Seismic Network

September to October

2012

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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

September 1 2012 Hour: 17:32 52.5 Lat: 37.30N Lon: 8.58W Depth: 10F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	276	EP		1732	54.44	0.00							1.0
MORF	HN	6	276	ES		1732	55.89	0.00							1.0
MORF	HN	6	276	AML		1732	56.45			266	0.2				
MESJ	HZ	68	28	EP		1733	3.51	0.00							1.0

September 1 2012 Hour: 23:13 33.6 Lat: 36.70N Lon: 11.17W Depth: 23F Agency: IGL Regional
Magnitudes: 2.7ML 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	234	73	EP		23 2	6.09	0.06							1.0
MORF	HN	234	73	ES		23 2	29.57	-0.11							1.0
MORF	HN	234	73	AML		23 2	31.42			88	0.3				
MESJ	HZ	291	63	EP		23 2	12.97	-0.05							1.0
MESJ	HE	291	63	ES		23 2	41.86	0.10							1.0
MESJ	HN	291	63	AML		23 2	42.90			18	0.4				

September 2 2012 Hour: 3:41 22.3 Lat: 36.72N Lon: 5.13W Depth: 22F 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	301	295	EP		342	3.13	0.08							1.0

September 2 2012 Hour: 9:47 53.6 Lat: 36.57N Lon: 11.06W Depth: 31F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	230	68	EP		948	24.97	0.03							1.0
MORF	HN	230	68	ES		948	47.75	-0.04							1.0
MORF	HN	230	68	AML		948	51.16			4	0.3				
MESJ	HN	289	60	ES		949	0.46	0.01							1.0
MESJ	HN	289	60	AML		949	4.02			2	0.6				

September 2 2012 Hour: 9:55 0.9 Lat: 36.89N Lon: 7.81W Depth: 30F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	88	302	EP		955	14.58	-0.07							1.0
MORF	HE	88	302	ES		955	24.69	-0.01							1.0
MORF	HE	88	302	AML		955	26.14			7	0.2				
MESJ	HZ	111	341	EP		955	17.61	0.06							1.0
MESJ	HN	111	341	ES		955	29.74	0.03							1.0
MESJ	HN	111	341	AML		955	32.45			4	0.2				

September 2 2012 Hour: 12:44 3.0 Lat: 78.45N Lon: 7.02E Depth: 9F Agency: IGL Distant
Magnitudes: 4.7MS IGL Rms: 0.0 secs

SVALBARD REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4573	198	EP		1251	47.48	0.03							1.0
MESJ	BE	4573	198	ES		1258	1.58	0.01							1.0
MESJ	BZ	4573	198	AMS		13 8	3.40			884	18.4				
MORF	BZ	4635	199	EP		1251	52.04	-0.04							1.0
MORF	BZ	4635	199	AMS		13 9	25.31			863	16.7				

September 3 2012 Hour: 16: 6 1.9 Lat: 36.92N Lon: 8.85W Depth: 30F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	46	22	EP		16	6	10.31-0.03							1.0
MORF	HN	46	22	ES		16	6	16.52-0.01							1.0
MORF	HN	46	22	AML		16	6	17.77		9	0.2				
MESJ	HZ	116	28	EP		16	6	19.16 0.04							1.0

September 3 2012 Hour: 18:23 4.0 Lat: 10.78S Lon: 113.88E Depth: 9F Agency: IGL Distant
Magnitudes: 6.0MS IGL Rms: 0.1 secs

SOUTH OF JAVA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13557	308		EPdif		1838	26.12	0.02							1.0
MESJ	BZ13557	308		EPKP		1841	58.17-0.12								1.0
MESJ	BZ13557	308		AMS		1945	24.78			3256	20.8				
MORF	BZ13607	307		EPdif		1838	28.26	0.15							1.0
MORF	BZ13607	307		EPKP		1841	59.11-0.08								1.0
MORF	BE13607	307		AMS		1946	18.93			3126	20.5				
GGNV	BZ13616	309		EPKP		1841	59.30	0.03							1.0
GGNV	BE13616	309		AMS		1948	15.36			3887	20.0				

September 4 2012 Hour: 0:29 56.7 Lat: 36.59N Lon: 4.45W Depth: 74F 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	HZ	362	294	EP		030	44.12	0.04							1.0
MESJ	HN	362	294	ES		031	18.66-0.04								1.0
MESJ	HE	362	294	AML		031	21.11			3	0.3				

September 4 2012 Hour: 1:59 8.4 Lat: 35.88N Lon: 10.04W 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	201	38	EP		159	36.24	0.03							1.0
MORF	HN	201	38	ES		159	56.46-0.03								1.0
MORF	HN	201	38	AML		159	58.25			4	0.2				

September 4 2012 Hour: 8:22 7.9 Lat: 36.74N Lon: 8.29W Depth: 16F 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	71	333	EP		822	19.37	0.05							1.0
MORF	HE	71	333	ES		822	27.54-0.11								1.0
MORF	HE	71	333	AML		822	28.87			45	0.2				
MESJ	HZ	122	3	EP		822	27.07	0.11							1.0
MESJ	HE	122	3	ES		822	40.82-0.05								1.0
MESJ	HN	122	3	AML		822	42.47			8	0.1				

September 5 2012 Hour: 4: 5 15.9 Lat: 36.71N Lon: 7.52W Depth: 22F 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	140	334	EP		4	5	36.65	0.06						1.0
MESJ	HE	140	334	ES		4	5	51.68-0.06							1.0
MESJ	HE	140	334	AML		4	5	53.19		5	0.1				

September 5 2012 Hour: 13: 9 8.1 Lat: 12.51S Lon: 166.50E Depth: 18F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.0 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	17098	352	EPKP		1328	57.22	0.05							1.0
GGNV	BN	17098	352	AMS		1441	38.31			2873	22.0				
MESJ	BZ	17178	350	EPKP		1328	58.18	-0.05							1.0
MESJ	BZ	17178	350	EPP		1332	56.43	0.03							1.0
MESJ	BZ	17178	350	AMS		1439	45.96			2098	18.8				
MORF	BZ	17244	351	EPKP		1328	59.11	0.01							1.0
MORF	BZ	17244	351	EPP		1332	59.72	-0.04							1.0
MORF	BZ	17244	351	AMS		1448	48.20			3070	16.3				

September 5 2012 Hour: 14:42 7.7 Lat: 10.00N Lon: 85.32W Depth: 40F Agency: IGL Distant
Magnitudes: 8.0MS IGL Rms: 0.1 secs

OFF COAST OF COSTA RICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8131	53	EP		1453	33.83	0.09							1.0
GGNV	BZ	8131	53	AMS		1521	27.73			1315000	20.2				
MORF	BZ	8173	54	EP		1453	36.13	0.03							1.0
MORF	BZ	8173	54	AMS		1520	31.04			950000	26.6				
MESJ	BZ	8211	53	EP		1453	38.10	0.04							1.0
MESJ	BN	8211	53	ES		15	3	6.84	-0.16						1.0
MESJ	BZ	8211	53	AMS		1520	49.59			813000	23.9				

September 6 2012 Hour: 1:57 13.9 Lat: 27.18N Lon: 54.01E Depth: 40F Agency: IGL Distant
Magnitudes: 4.9MB 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	5862	298	EP		2	6	24.28	-0.10						1.0
MESJ	BZ	5862	298	AMb		2	6	35.38		36	1.3				

September 6 2012 Hour: 3:43 45.6 Lat: 27.13N Lon: 54.06E Depth: 34F Agency: IGL Distant
Magnitudes: 4.6MB IGL Rms: 0.0 secs

SOUTHERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5868	298	EP		352	57.19	0.02							1.0
MESJ	BZ	5868	298	AMb		353	5.38			27	2.0				

September 6 2012 Hour: 4:24 50.7 Lat: 36.61N Lon: 2.92W Depth: 1 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	490	288	EP		425	56.69	0.02							1.0

September 6 2012 Hour: 9:26 14.8 Lat: 36.99N Lon: 9.42W Depth: 6F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	77	63	EP		926	27.00	-0.23							1.0
MORF	HN	77	63	ES		926	36.27	-0.04							1.0
MORF	HN	77	63	AML		926	37.86			59	0.2				
MESJ	HZ	142	48	EP		926	37.35	0.06							1.0
MESJ	HN	142	48	ES		926	53.93	0.22							1.0
MESJ	HN	142	48	AML		926	55.58			14	0.2				

September 6 2012 Hour: 20:29 52.0 Lat: 34.93N Lon: 5.21W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML 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	421	321	EP		2030	49.63	-0.11							1.0
MESJ	HN	421	321	ES		2031	31.99	0.11							1.0
MESJ	HN	421	321	AML		2031	35.28			4	0.4				

September 7 2012 Hour: 3:19 42.0 Lat: 27.51N Lon: 103.93E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4MS IGL Rms: 0.0 secs

SICHUAN-YUNNAN-GUIZHOU REGION, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9913	313	EP		332	37.79	-0.02							1.0
MESJ	BZ	9913	313	EPP		336	7.42	0.07							1.0
MESJ	BE	9913	313	ESKS		343	6.88	0.00							1.0
MESJ	BN	9913	313	AMS		4	9	51.42		1475	26.5				
MORF	BZ	9978	313	EPP		336	12.02	-0.05							1.0
MORF	BE	9978	313	AMS		420	44.36			1419	17.5				

September 7 2012 Hour: 4:16 29.7 Lat: 27.58N Lon: 103.99E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6MB IGL Rms: 0.1 secs

SICHUAN-YUNNAN-GUIZHOU REGION, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9912	313	EP		429	25.51	0.01							1.0
MESJ	BZ	9912	313	AMb		429	28.24			50	1.7				
GGNV	BZ	9922	314	EP		429	25.96	0.06							1.0
GGNV	BZ	9922	314	AMb		429	30.15			88	1.2				
MORF	BZ	9977	313	EP		429	28.23	-0.07							1.0
MORF	BZ	9977	313	AMb		429	31.91			67	1.3				

September 7 2012 Hour: 12:43 16.0 Lat: 36.64N Lon: 2.92W Depth: 1 Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	488	287	EP		1244	21.83	0.00							1.0
MESJ	HN	488	287	ES		1245	9.90	0.00							1.0
MESJ	HN	488	287	AML		1245	15.52			4	0.1				

September 7 2012 Hour: 18:10 52.8 Lat: 36.91N Lon: 3.73W 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	411	286	EP		1811	49.16	0.01							1.0

September 7 2012 Hour: 21:57 41.6 Lat: 22.86S Lon: 66.43W Depth: 204F Agency: IGL Distant
Magnitudes: 4.5MB IGL Rms: 0.0 secs

JUJUY, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8995	43	EP		22	9	32.90	0.00						1.0
MORF	BZ	8995	43	AMb		22	9	34.40		26	1.9				
MESJ	BZ	9062	43	EP		22	9	35.98	0.00						1.0
MESJ	BZ	9062	43	AMb		22	9	36.93		24	1.3				

September 8 2012 Hour: 1:39 26.8 Lat: 35.37N Lon: 6.14W Depth: 40F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	311	314	EP		140	8.05	-0.22							1.0
MORF	HN	311	314	ES		140	38.59	0.07							1.0
MORF	HN	311	314	AML		140	39.49			14	0.2				
MESJ	HZ	331	326	EP		140	10.74	0.10							1.0
MESJ	HN	331	326	ES		140	42.67	0.05							1.0
MESJ	HN	331	326	AML		140	44.94			14	0.2				

September 8 2012 Hour: 10:51 44.0 Lat: 3.18S Lon: 135.11E Depth: 21F Agency: IGL Distant
Magnitudes: 5.9MS IGL Rms: 0.0 secs

PAPUA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14682	321	EPKP			1110	55.40	0.01							1.0
MESJ	BE14682	321	ESS			1130	52.89	0.02							1.0
MESJ	BZ14682	321	AMS			1216	22.15			2150	18.9				

GGNV	BZ14687	322	EPKP		1110	55.51	0.07										1.0
GGNV	BE14687	322	AMS		1215	53.66			2344	16.4							
MORF	BZ14748	320	EPKP		1110	56.52	-0.03										1.0
MORF	BE14748	320	ESS		1131	0.11	-0.07										1.0
MORF	BZ14748	320	AMS		1216	50.09			2590	22.4							

September 8 2012 Hour: 14:0 2.8 Lat: 37.31N Lon: 8.61W Depth: 14F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	4	264	EP		14	0	5.06	-0.12						1.0
MORF	HN	4	264	ES		14	0	6.96	0.02						1.0
MORF	HN	4	264	AML		14	0	7.77		44	0.1				
MESJ	HZ	68	30	EP		14	0	13.90	0.11						1.0
MESJ	HN	68	30	ES		14	0	21.82	-0.01						1.0
MESJ	HN	68	30	AML		14	0	24.83		3	0.2				

September 8 2012 Hour: 20:29 30.7 Lat: 10.07N Lon: 85.34W Depth: 35F Agency: IGL Distant
Magnitudes: 5.4MS IGL Rms: 0.1 secs

COSTA RICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8127	53	EP		2040	57.19	0.03							1.0
GGNV	BN	8127	53	ES		2050	22.33	-0.09							1.0
GGNV	BZ	8127	53	AMS		21	9	42.68		3113	21.3				
MORF	BZ	8171	54	EP		2040	59.53	0.00							1.0
MORF	BE	8171	54	ES		2050	27.10	0.14							1.0
MORF	BZ	8171	54	AMS		21	7	45.19		1989	23.5				
MESJ	BZ	8209	54	EP		2041	1.43	-0.05							1.0
MESJ	BE	8209	54	ES		2050	30.69	-0.03							1.0
MESJ	BZ	8209	54	AMS		21	8	5.25		1734	21.9				

September 8 2012 Hour: 23:48 6.9 Lat: 37.88N Lon: 1.73W Depth: 10F Agency: IGL Regional
Magnitudes: 0.0MS 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	571	271	EP		2349	21.78	-0.05							1.0

September 9 2012 Hour: 0:53 11.5 Lat: 37.35N Lon: 8.46W Depth: 10F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	18	254	EP		053	14.71	-0.07							1.0
MORF	HN	18	254	ES		053	17.27	0.07							1.0
MORF	HN	18	254	AML		053	18.21			78	0.2				

September 9 2012 Hour: 5:14 51.7 Lat: 16.23N Lon: 98.18W Depth: 10F Agency: IGL Distant
Magnitudes: 4.6MB IGL Rms: 0.0 secs

OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8902	54	EP		527	1.47	-0.02							1.0
MORF	BZ	8902	54	AMb		527	5.24			11	1.5				

September 9 2012 Hour: 5:39 20.1 Lat: 49.51N Lon: 155.50E Depth: 57F Agency: IGL Distant
Magnitudes: 5.7MS IGL Rms: 0.1 secs

KURIL ISLANDS Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10204	347	EP			552	21.42	0.09							1.0
MESJ	BN10204	347	ESKS			6	2	49.10	-0.11						1.0
MESJ	BZ10204	347	AMS			640	38.03			2612	23.5				
MORF	BZ10269	347	EP			552	24.25	0.16							1.0
MORF	BN10269	347	ESKS			6	2	52.46	-0.14						1.0
MORF	BZ10269	347	AMS			641	27.29			2818	18.7				

September 9 2012 Hour: 5:57 37.1 Lat: 37.33N Lon: 8.54W Depth: 14F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	255	EP		557	39.92	-0.02							1.0
MORF	HN	10	255	ES		557	42.03	0.02							1.0
MORF	HN	10	255	AML		557	42.51			44	0.3				

September 9 2012 Hour: 7:26 6.2 Lat: 36.85N Lon: 24.47E Depth: 122F Agency: IGL Distant
Magnitudes: 4.6MB IGL Rms: 0.0 secs

SOUTHERN GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2884	282	EP		731	27.08	-0.02							1.0
MESJ	BZ	2884	282	AMB		731	28.65			11	0.5				

September 9 2012 Hour: 9:13 58.4 Lat: 36.51N Lon: 7.32W Depth: 31F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	148	307	ES		914	35.00	-0.04							1.0
MORF	HN	148	307	AML		914	36.70			9	0.1				
MESJ	HZ	168	332	EP		914	22.06	0.02							1.0
MESJ	HE	168	332	ES		914	39.28	0.02							1.0
MESJ	HN	168	332	AML		914	41.64			3	0.2				

September 9 2012 Hour: 9:36 37.0 Lat: 45.31N Lon: 151.39E Depth: 15F Agency: IGL Distant
Magnitudes: 5.3MS IGL Rms: 0.0 secs

KURIL ISLANDS Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10581	344	EP			949	59.47	-0.04							1.0
MESJ	BZ10581	344	AMS			1040	40.88			834	18.2				
MORF	BZ10648	344	EP			950	2.33	0.04							1.0
MORF	BZ10648	344	AMS			1037	55.79			958	20.6				

September 9 2012 Hour: 13:59 5.3 Lat: 34.89N Lon: 5.07W Depth: 12F Agency: IGL Regional
Magnitudes: 2.0ML 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	432	320	EP		14	0	3.20	0.04						1.0
MESJ	HN	432	320	ES		14	0	45.37	-0.04						1.0
MESJ	HN	432	320	AML		14	0	48.86		3	0.3				

September 9 2012 Hour: 14:36 6.7 Lat: 39.34N Lon: 10.51W Depth: 31F Agency: IGL Regional
Magnitudes: 1.6ML 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	260	129	EP		1436	41.86	0.11							1.0
MESJ	HN	260	129	ES		1437	7.23	-0.09							1.0
MESJ	HN	260	129	AML		1437	8.41			2	0.3				
MORF	HE	278	144	ES		1437	11.29	-0.02							1.0
MORF	HN	278	144	AML		1437	13.08			7	0.2				

September 9 2012 Hour: 19:23 51.5 Lat: 52.82N Lon: 174.94E Depth: 120F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.1 secs

RAT ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9961	3	EP		1936	35.36	0.09							1.0
MESJ	BZ	9961	3	AMB		1936	42.24			21	1.4				
MESJ	BZ	9961	3	EPP		1940	9.12	-0.06							1.0
MORF	BZ10019	3	EP			1936	37.72	-0.03							1.0
MORF	BZ10019	3	AMB			1936	41.73			32	1.1				

September 10 2012 Hour: 3:7 41.7 Lat: 37.07N Lon: 5.56W 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	250	291	EP		3 8	17.70	0.07							1.0
MORF	HZ	275	276	EP		3 8	20.73	-0.07							1.0

September 10 2012 Hour: 23:0 16.7 Lat: 36.08N Lon: 7.97W Depth: 28F 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	149	336	EP		23 0	38.13	-0.10							1.0
MORF	HN	149	336	ES		23 0	53.89	-0.03							1.0
MORF	HN	149	336	AML		23 0	54.36			4	0.2				
MESJ	HZ	197	354	EP		23 0	44.19	0.10							1.0
MESJ	HN	197	354	ES		23 1	4.10	0.04							1.0
MESJ	HN	197	354	AML		23 1	6.14			2	0.2				

September 11 2012 Hour: 1:28 18.3 Lat: 45.47N Lon: 151.04E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4MS IGL Rms: 0.1 secs

KURIL ISLANDS Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10482	345	EP			141	37.57	0.05							1.0
GGNV	BN10482	345	AMS			229	38.16			1916	20.2				
MESJ	BZ10557	344	EP			141	40.70	0.07							1.0
MESJ	BN10557	344	ESKS			152	16.37	-0.12							1.0
MESJ	BE10557	344	AMS			225	44.98			1142	27.1				
MORF	BZ10623	344	EP			141	43.40	-0.02							1.0
MORF	BZ10623	344	AMS			229	36.06			1418	19.1				

September 11 2012 Hour: 3:46 48.4 Lat: 37.33N Lon: 8.58W Depth: 16F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.2 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	247	EP		346	51.00	-0.28							1.0
MORF	HE	7	247	ES		346	53.49	0.14							1.0
MORF	HN	7	247	AML		346	53.89			26	0.1				
MESJ	HZ	65	29	EP		346	59.24	0.26							1.0
MESJ	HE	65	29	ES		347	6.56	-0.11							1.0
MESJ	HN	65	29	AML		347	9.57			3	0.3				

September 11 2012 Hour: 6:35 37.4 Lat: 31.83S Lon: 68.25W Depth: 108F Agency: IGL Distant
Magnitudes: 4.8MB IGL Rms: 0.1 secs

SAN JUAN, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9839	43	EP		648	17.42	-0.06							1.0
MORF	BZ	9839	43	AMb		648	19.06			25	1.8				
MESJ	BZ	9907	43	EP		648	20.34	0.06							1.0
MESJ	BZ	9907	43	AMb		648	22.83			23	1.6				

September 11 2012 Hour: 16:36 50.2 Lat: 11.84N Lon: 143.21E Depth: 9F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.0 secs

SOUTH OF MARIANA ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13743	334	EPP			1657	29.02	0.00							1.0
GGNV	BE13743	334	AMS			1757	1.04			3726	17.3				
MESJ	BZ13779	333	EP			1655	48.28	-0.01							1.0
MESJ	BZ13779	333	EPP			1657	31.23	0.00							1.0
MESJ	BZ13779	333	AMS			1755	17.84			3619	17.7				
MORF	BZ13849	333	EP			1655	49.56	0.01							1.0
MORF	BZ13849	333	EPP			1657	35.53	-0.01							1.0
MORF	BZ13849	333	AMS			1755	48.07			4140	20.3				

September 12 2012 Hour: 3:27 45.0 Lat: 34.74N Lon: 24.03E Depth: 30F Agency: IGL Distant
Magnitudes: 5.5MB 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	2903	286	EP		333	16.29	0.06							1.0
MESJ	BZ	2903	286	AMb		333	24.34			121	1.0				
MESJ	BN	2903	286	ES		337	46.66	-0.04							1.0
MORF	BZ	2945	285	EP		333	19.76	0.07							1.0
MORF	BZ	2945	285	AMb		333	32.57			70	1.6				
MORF	BE	2945	285	ES		337	52.58	-0.16							0.9
GGNV	BZ	2980	288	EP		333	22.53	0.08							1.0
GGNV	BZ	2980	288	AMb		333	38.49			412	1.5				
GGNV	BN	2980	288	ES		337	57.56	-0.02							1.0

September 12 2012 Hour: 19:29 55.8 Lat: 36.69N Lon: 71.37E Depth:188FAgency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.1 secs

HINDU KUSH REGION, AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6829	298	EP		1939	52.26	0.10							1.0
MESJ	BZ	6829	298	AMb		1939	53.34			86	1.5				

September 13 2012 Hour: 7:51 52.1 Lat: 36.76N Lon: 8.39W Depth: 25F 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	65	339	EP		752	2.80	-0.08							1.0
MORF	HN	65	339	ES		752	10.84	0.10							1.0
MORF	HE	65	339	AML		752	12.27			114	0.2				
MESJ	HZ	121	7	EP		752	10.11	-0.15							1.0
MESJ	HN	121	7	ES		752	23.62	0.12							1.0
MESJ	HN	121	7	AML		752	26.78			4	0.1				

September 14 2012 Hour: 4:51 47.1 Lat: 3.32S Lon: 100.59E Depth: 19F Agency: IGL Distant
Magnitudes: 6.0MS IGL Rms: 0.1 secs

INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11895	308	EPdif			5 6	1.09	-0.10							1.0
MESJ	BZ11895	308	EPP			510	27.14	-0.07							1.0
MESJ	BE11895	308	AMS			6 4	47.96			4288	22.2				
MORF	BZ11942	308	EPdif			5 6	3.16	0.04							1.0
MORF	BZ11942	308	EPP			510	30.47	0.11							1.0
MORF	BZ11942	308	AMS			557	1.71			4088	21.4				
GGNV	BZ11960	309	EPdif			5 6	3.80	0.08							1.0
GGNV	BZ11960	309	EPP			510	31.35	-0.06							1.0
GGNV	BE11960	309	AMS			557	36.60			3909	17.3				

September 14 2012 Hour: 19:13 3.4 Lat: 35.88N Lon: 10.18W Depth: 11F 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	209	40	EP		1913	33.66	-0.11							1.0
MORF	HE	209	40	ES		1913	55.97	0.04							1.0
MORF	HN	209	40	AML		1913	57.96			5	0.1				
MESJ	HZ	279	38	EP		1913	42.55	0.15							1.0
MESJ	HN	279	38	ES		1914	10.80	-0.07							1.0
MESJ	HN	279	38	AML		1914	13.67			2	0.1				

September 14 2012 Hour: 22: 6 53.7 Lat: 36.56N Lon: 7.63W Depth: 19F Agency: IGL Regional
Magnitudes: 1.1ML 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	151	340	EP		22	7	16.10	-0.04						1.0
MESJ	HE	151	340	ES		22	7	32.56	0.04						1.0
MESJ	HE	151	340	AML		22	7	34.01			3	0.1			

September 15 2012 Hour: 1:15 11.8 Lat: 37.29N Lon: 8.38W Depth: 10F Agency: IGL Regional
Magnitudes: 0.5ML 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	24	274	EP		115	15.98	-0.04							1.0
MORF	HN	24	274	ES		115	19.22	0.10							1.0
MORF	HN	24	274	AML		115	20.32				14	0.3			
MESJ	HZ	63	13	EP		115	21.92	-0.09							1.0
MESJ	HN	63	13	ES		115	29.51	0.03							1.0
MESJ	HN	63	13	AML		115	32.38				1	0.2			

September 16 2012 Hour: 2:23 41.3 Lat: 36.25N Lon: 4.74W 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
MESJ	HZ	356	301	EP		224	28.61	0.00							1.0
MESJ	HE	356	301	ES		225	2.98	-0.19							1.0
MESJ	HN	356	301	AML		225	5.51				5	0.2			
MORF	HZ	368	290	EP		224	30.16	0.03							1.0
MORF	HN	368	290	ES		225	5.97	0.17							1.0
MORF	HN	368	290	AML		225	7.18				4	0.2			

September 16 2012 Hour: 5:51 8.7 Lat: 10.19N Lon: 85.47W Depth: 27F Agency: IGL Distant
Magnitudes: 4.6MS IGL Rms: 0.0 secs

COSTA RICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8174	54	EP		6	2	38.76	-0.04						1.0
MORF	BN	8174	54	AMS		627	22.32				348	18.2			
MESJ	BZ	8212	54	EP		6	2	40.78	0.04						1.0
MESJ	BZ	8212	54	AMS		634	57.63				262	21.9			

September 16 2012 Hour: 12:51 3.2 Lat: 58.12N Lon: 32.26W Depth: 10F Agency: IGL Distant
Magnitudes: 4.1MB IGL Rms: 0.0 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2848	132	EP		1256	32.79	-0.01							1.0
MESJ	BZ	2848	132	AMB		1256	48.31				14	3.1			

September 16 2012 Hour: 14:30 5.2 Lat: 58.08N Lon: 32.24W Depth: 10F Agency: IGL Distant
Magnitudes: 4.5MS IGL Rms: 0.1 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ	2703	131	EP		1435	22.79	-0.11							1.0
ALMR	BZ	2703	131	AMS		1443	0.06				1704	18.9			
GGNV	BZ	2719	132	EP		1435	24.22	-0.02							1.0
GGNV	BZ	2719	132	AMS		1443	3.53				1608	20.5			
MESJ	BZ	2844	132	EP		1435	34.57	0.08							1.0
MESJ	BN	2844	132	ES		1440	3.40	-0.03							1.0
MESJ	BZ	2844	132	AMS		1443	38.08				1518	20.1			
MORF	BZ	2877	133	EP		1435	37.29	0.08							1.0
MORF	BZ	2877	133	AMS		1443	33.87				1009	22.5			

September 16 2012 Hour: 22:55 49.8 Lat: 37.35N Lon: 8.53W Depth: 7F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	246	EP		2255	52.03	0.00							1.0
MORF	HN	12	246	ES		2255	53.68	0.00							1.0
MORF	HN	12	246	AML		2255	54.09			19	0.4				

September 17 2012 Hour: 2:37 15.8 Lat: 37.21N Lon: 8.60W Depth: 9F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.0 secs

NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	337	EP		237	18.27	0.02							1.0
MORF	HN	12	337	ES		237	20.01	-0.02							1.0
MORF	HN	12	337	AML		237	20.88			7	0.3				

September 17 2012 Hour: 2:59 13.5 Lat: 36.47N Lon: 9.75W Depth: 31F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	135	46	EP		259	33.02	-0.05							1.0
MORF	HN	135	46	ES		259	47.38	0.04							1.0
MORF	HN	135	46	AML		259	49.76			6	0.2				
MESJ	HZ	204	41	EP		259	41.51	-0.09							1.0
MESJ	HN	204	41	ES		3 0	2.20	0.10							1.0
MESJ	HN	204	41	AML		3 0	4.29			2	0.4				

September 17 2012 Hour: 10:14 58.5 Lat: 39.54N Lon: 7.01W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	HZ	142	253	EP		1015	21.24	-0.01							1.0
ALMR	HN	142	253	ES		1015	37.89	0.01							1.0
ALMR	HN	142	253	AML		1015	39.27			19	0.3				

September 17 2012 Hour: 18:49 11.9 Lat: 37.14N Lon: 9.14W Depth: 28F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	47	67	EP		1849	20.44	0.04							1.0
MORF	HN	47	67	ES		1849	26.60	0.03							1.0
MORF	HN	47	67	AML		1849	27.51			12	0.1				
MESJ	HZ	112	46	EP		1849	28.81	-0.04							1.0
MESJ	HN	112	46	ES		1849	41.16	-0.04							1.0
MESJ	HN	112	46	AML		1849	45.20			1.00	0.1				

September 17 2012 Hour: 21:29 26.3 Lat: 34.64N Lon: 4.71W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	475	319	EP		2130	30.57	-0.02							1.0

September 18 2012 Hour: 1:44 52.1 Lat: 57.06N Lon: 154.26W Depth: 52F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.1 secs

KODIAK ISLANDS REGION, ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ	8870	26	EP		156	54.62	-0.03							1.0
ALMR	BZ	8870	26	AMb		156	55.70			80	0.9				
GGNV	BZ	8901	27	EP		156	56.22	0.09							1.0
GGNV	BZ	8901	27	AMb		156	58.76			65	1.6				
MESJ	BZ	9019	27	EP		157	1.86	0.03							1.0
MESJ	BZ	9019	27	AMb		157	2.99			9	0.7				
MORF	BZ	9063	27	EP		157	3.91	-0.10							1.0

MORF BZ 9063 27 AMb 157 5.61 26 0.8

**September 18 2012 Hour: 2:33 13.3 Lat: 36.60N Lon: 7.04W Depth: 31F 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	173	323	EP		233	37.63	0.13							1.0
MESJ	HN	173	323	ES		233	55.05	-0.13							1.0
MESJ	HN	173	323	AML		233	56.49				3	0.2			

**September 18 2012 Hour: 5:40 36.2 Lat: 36.59N Lon: 5.39W Depth: 14F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs**

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	287	300	EP		541	15.79	-0.07							1.0
MESJ	HN	287	300	ES		541	44.91	0.07							1.0
MESJ	HN	287	300	AML		541	48.19				3	0.3			

**September 19 2012 Hour: 2:31 49.5 Lat: 37.09N Lon: 13.88W Depth: 33F Agency: IGL Regional
Magnitudes: 2.4ML 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	465	85	EP		232	49.83	0.06							1.0
MORF	HE	465	85	ES		233	33.30	-0.44							1.0
MORF	HN	465	85	AML		233	34.22				8	0.3			
MESJ	HZ	508	79	EP		232	55.00	0.09							1.0
MESJ	HN	508	79	ES		233	42.80	0.16							1.0
MESJ	HN	508	79	AML		233	44.93				4	0.3			
ALMR	HZ	518	62	EP		232	56.30	0.07							1.0
ALMR	HN	518	62	ES		233	44.98	0.07							1.0
ALMR	HN	518	62	AML		233	47.11				13	0.4			

**September 19 2012 Hour: 22:18 24.3 Lat: 36.58N Lon: 9.84W Depth: 12F 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	HE	133	52	ES		2219	0.34	0.11							1.0
MORF	HN	133	52	AML		2219	2.07				8	0.3			
MESJ	HZ	201	45	EP		2218	53.37	-0.02							1.0
MESJ	HN	201	45	ES		2219	14.58	-0.09							1.0
MESJ	HN	201	45	AML		2219	16.50				2	0.3			

**September 19 2012 Hour: 22:31 30.6 Lat: 37.33N Lon: 8.91W Depth: 19F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 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	96	EP		2231	35.32	-0.03							1.0
MORF	HN	23	96	ES		2231	38.73	-0.11							1.0
MORF	HN	23	96	AML		2231	39.41				8	0.1			
MESJ	HZ	83	47	EP		2231	43.99	0.07							1.0
MESJ	HE	83	47	ES		2231	53.74	0.08							1.0
MESJ	HN	83	47	AML		2231	54.96				3	0.2			

**September 20 2012 Hour: 2:56 20.9 Lat: 36.50N Lon: 7.73W Depth: 30F 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	155	344	EP		256	42.97	0.03							1.0
MESJ	HN	155	344	ES		256	59.00	-0.03							1.0
MESJ	HN	155	344	AML		257	1.31				3	0.4			

September 20 2012 Hour: 6:23 42.1 Lat: 52.57N Lon: 32.03W Depth: 10F Agency: IGL Distant
Magnitudes: 4.1MS IGL Rms: 0.0 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2464	122	EP		628	38.22	0.02							1.0
MESJ	BN	2464	122	ES		632	43.48	-0.04							1.0
MESJ	BE	2464	122	AMS		634	30.77			882	20.4				
MORF	BZ	2485	124	EP		628	40.26	0.03							1.0
MORF	BE	2485	124	ES		632	47.22	0.00							1.0
MORF	BE	2485	124	AMS		634	20.74			886	23.0				

September 20 2012 Hour: 17:56 19.7 Lat: 37.48N Lon: 8.52W Depth: 16F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

SE ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	23	211	EP		1756	24.12	-0.04							1.0
MORF	HN	23	211	ES		1756	27.38	-0.02							1.0
MORF	HN	23	211	AML		1756	28.14			6	0.1				
MESJ	HZ	48	33	EP		1756	27.81	0.08							1.0
MESJ	HE	48	33	ES		1756	33.56	-0.01							1.0
MESJ	HN	48	33	AML		1756	34.25			2	0.2				

September 20 2012 Hour: 19: 5 17.3 Lat: 37.83N Lon: 3.30W Depth: 20F 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	433	272	EP		19 6	14.50	-0.04							1.0
MESJ	HN	433	272	ES		19 6	56.50	0.18							1.0
MESJ	HN	433	272	AML		19 7	0.35			6	0.4				
MORF	HZ	476	265	EP		19 6	19.79	-0.02							1.0
ALMR	HZ	483	289	EP		19 6	20.47	-0.13							1.0

September 20 2012 Hour: 21: 3 42.0 Lat: 20.75S Lon: 178.52W Depth: 568F Agency: IGL Distant
Rms: 0.0 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17916	24	EPKP			2122	37.06	0.02							1.0
MORF	BZ17948	26	EPKP			2122	37.38	-0.02							1.0

September 20 2012 Hour: 21:21 5.6 Lat: 5.99N Lon: 126.38E Depth: 105F Agency: IGL Distant
Rms: 0.1 secs

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13282	320	EPKP			2139	42.39	0.07							1.0
MORF	BZ13347	319	EPKP			2139	43.43	-0.07							1.0

September 21 2012 Hour: 5:49 20.1 Lat: 36.48N Lon: 7.68W Depth: 31F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	317	EP		549	38.51	-0.03							1.0
MESJ	HZ	158	343	EP		549	42.66	0.14							1.0
MESJ	HN	158	343	ES		549	58.77	-0.11							1.0
MESJ	HN	158	343	AML		550	0.87			10	0.1				

September 21 2012 Hour: 8:47 39.7 Lat: 35.23N Lon: 22.55E Depth: 10F Agency: IGL Distant
Magnitudes: 4.8MB IGL Rms: 0.0 secs

CENTRAL MEDITERRANEAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2759	285	EP		853	1.88	-0.01							1.0
MESJ	BZ	2759	285	AMb		853	6.59			48	1.6				
MESJ	BE	2759	285	ES		857	25.63	0.06							1.0
MORF	BZ	2801	284	EP		853	5.35	-0.05							1.0

MORF BZ 2801 284 AMb 853 11.68 51 2.1

September 21 2012 Hour: 10:25 40.9 Lat: 35.71N Lon: 4.74W Depth: 10F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	390	308	EP		1026	33.93	0.09							1.0
MESJ	HN	390	308	ES		1027	12.45	-0.02							1.0
MESJ	HN	390	308	AML		1027	14.79			26	0.1				
MORF	HZ	393	298	EP		1026	34.00	-0.15							1.0
MORF	HN	393	298	ES		1027	13.09	0.08							1.0
MORF	HN	393	298	AML		1027	14.67			34	0.2				

September 21 2012 Hour: 12:17 25.8 Lat: 19.58S Lon: 68.99W Depth:106F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.1 secs

TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8919	45	EP		1229	24.47	-0.05							1.0
MORF	BZ	8919	45	AMb		1229	28.34			63	1.5				
MESJ	BZ	8984	44	EP		1229	27.65	0.09							1.0
MESJ	BZ	8984	44	AMb		1229	30.67			23	1.5				
ALMR	BZ	9039	43	EP		1229	30.12	-0.04							1.0
ALMR	BZ	9039	43	AMb		1229	32.78			81	1.4				

September 21 2012 Hour: 12:44 54.6 Lat: 37.32N Lon: 8.61W Depth: 10F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

NW MONCHIQUE, PORTUGAL

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	4	247	EP		1244	56.42	0.02							1.0
MORF	HN	4	247	ES		1244	57.70	-0.02							1.0
MORF	HN	4	247	AML		1244	58.42			35	0.2				

September 21 2012 Hour: 15: 8 22.4 Lat: 37.42N Lon: 8.49W Depth: 21F Agency: IGL Regional
Magnitudes: 0.9ML 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	19	229	EP		15 8	26.71	-0.16							1.0
MORF	HN	19	229	ES		15 8	30.12	-0.05							1.0
MORF	HN	19	229	AML		15 8	31.30			24	0.2				
MESJ	HZ	52	27	EP		15 8	31.38	0.18							1.0
MESJ	HN	52	27	ES		15 8	37.70	0.04							1.0
MESJ	HN	52	27	AML		15 8	39.44			5	0.2				

September 22 2012 Hour: 3:52 23.6 Lat: 38.07N Lon: 22.74E Depth: 1F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.1 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2709	279	EP		357	43.26	0.12							1.0
MESJ	BZ	2709	279	AMb		357	50.39			76	1.3				
MESJ	BN	2709	279	ES		4 2	4.57	-0.15							1.0
ALMR	BZ	2717	282	EP		357	43.95	0.15							1.0
ALMR	BZ	2717	282	AMb		357	47.27			86	1.1				
MORF	BZ	2757	278	EP		357	47.15	-0.02							1.0
MORF	BZ	2757	278	AMb		357	55.50			63	1.5				
MORF	BN	2757	278	ES		4 2	11.58	-0.22							1.0
GGNV	BZ	2773	281	EP		357	48.49	0.11							1.0
GGNV	BZ	2773	281	AMb		357	54.35			109	1.6				

September 22 2012 Hour: 6:15 57.0 Lat: 40.15N Lon: 20.83E Depth: 1F Agency: IGL Distant
Magnitudes: 4.5MB IGL Rms: 0.1 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ	2515	277	EP		620	59.11	-0.08							1.0
ALMR	BZ	2515	277	AMb		621	2.07			33	0.9				
MESJ	BZ	2518	274	EP		620	59.56	0.00							1.0
MESJ	BZ	2518	274	AMb		621	1.61			18	1.3				
MESJ	BE	2518	274	ES		625	10.34	0.31							1.0
MORF	BZ	2571	272	EP		621	4.64	0.02							1.0
MORF	BZ	2571	272	AMb		621	9.51			22	1.4				
MORF	BN	2571	272	ES		625	18.23	0.13							1.0

September 22 2012 Hour: 6:58 25.8 Lat: 20.90S Lon: 174.19W Depth: 11F Agency: IGL Distant
Magnitudes: 5.4MS IGL Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ17582		31	EPKP		718	21.97	-0.05							1.0
ALMR	BZ17582		31	AMS		836	16.83			565	27.7				
GGNV	BZ17588		33	EPKP		718	22.06	-0.01							1.0
GGNV	BE17588		33	AMS		826	55.99			1296	26.2				
MESJ	BZ17715		33	EPKP		718	23.41	-0.07							1.0
MESJ	BE17715		33	AMS		835	28.18			509	18.1				
MORF	BZ17735		34	EPKP		718	23.87	0.13							1.0
MORF	BE17735		34	AMS		838	50.90			490	25.5				

September 22 2012 Hour: 12:30 1.5 Lat: 16.63N Lon: 98.00W Depth: 28F Agency: IGL Distant
Magnitudes: 5.1MS IGL Rms: 0.1 secs

OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8783	53	EP		1242	2.71	0.11							1.0
GGNV	BE	8783	53	AMS		1311	19.09			1205	24.4				
ALMR	BZ	8821	52	EP		1242	4.41	-0.07							1.0
ALMR	BE	8821	52	AMS		1315	39.61			990	20.3				
MORF	BZ	8860	54	EP		1242	6.42	-0.05							1.0
MORF	BZ	8860	54	AMS		1315	42.34			977	18.1				
MESJ	BZ	8884	54	EP		1242	7.59	0.01							1.0
MESJ	BZ	8884	54	AMS		1315	40.52			609	19.0				

September 22 2012 Hour: 16:28 51.4 Lat: 42.92N Lon: 6.18W 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
ALMR	HZ	464	207	EP		1629	54.40	0.02							1.0
MESJ	HZ	590	198	EP		1630	9.69	0.04							0.9
MORF	HZ	658	200	EP		1630	17.84	-0.06							0.9

September 22 2012 Hour: 20:3 60.0 Lat: 36.44N Lon: 7.26W Depth: 30F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	177	332	EP		20	4	24.80	0.00						1.0

September 23 2012 Hour: 3:39 57.0 Lat: 36.53N Lon: 7.24W Depth: 21F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	169	329	EP		340	21.53	-0.01							1.0
MESJ	HN	169	329	ES		340	39.42	0.01							1.0
MESJ	HN	169	329	AML		340	41.05			4	0.6				

September 23 2012 Hour: 11:33 25.7 Lat: 36.48N Lon: 11.34W Depth: 31F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	257	68	EP		1134	0.33	-0.02							1.0
MORF	HE	257	68	ES		1134	25.70	0.05							1.0
MORF	HN	257	68	AML		1134	28.09			6	0.5				
MESJ	HZ	316	61	EP		1134	7.65	0.02							1.0
MESJ	HN	316	61	ES		1134	38.19	-0.06							1.0
MESJ	HN	316	61	AML		1134	41.99			2	0.3				

September 23 2012 Hour: 12: 5 30.4 Lat: 36.94N Lon: 8.04W Depth: 12F 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	68	307	EP		12 5	41.37	0.01							1.0
MORF	HN	68	307	ES		12 5	49.35	-0.02							1.0
MORF	HN	68	307	AML		12 5	51.06			33	0.4				
MESJ	HZ	101	351	EP		12 5	46.34	-0.04							1.0
MESJ	HE	101	351	ES		12 5	58.11	0.05							1.0
MESJ	HN	101	351	AML		12 5	59.15			38	0.2				

September 23 2012 Hour: 12:17 22.6 Lat: 34.60N Lon: 8.88W Depth: 31F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	301	4	EP		1218	2.72	-0.09							1.0
MESJ	HZ	364	9	EP		1218	10.63	-0.02							1.0
MESJ	HE	364	9	ES		1218	45.80	0.11							1.0
MESJ	HE	364	9	AML		1218	48.17			3	0.4				

September 23 2012 Hour: 20:20 10.6 Lat: 38.77N Lon: 7.96W Depth: 3F Agency: IGL Regional
Magnitudes: 2.4ML 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
MESJ	HZ	106	192	EP		2020	27.61	-0.01							1.0
MESJ	HE	106	192	ES		2020	40.08	0.01							1.0
MESJ	HE	106	192	AML		2020	42.66			78					

September 23 2012 Hour: 23: 3 32.4 Lat: 37.09N Lon: 4.96W Depth: 9F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	300	287	EP		23 4	14.19	-0.03							1.0

September 24 2012 Hour: 8:46 34.4 Lat: 37.24N Lon: 13.09W Depth: 0 Agency: IGL Regional
Magnitudes: 2.2ML 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
MORF	HN	394	88	ES		848	8.52	0.06							1.0
MORF	HN	394	88	AML		848	12.00			10	0.1				
MESJ	HZ	435	80	EP		847	33.64	-0.26							1.0
MESJ	HE	435	80	ES		848	17.54	0.19							1.0
MESJ	HN	435	80	AML		848	20.52			3	0.4				

September 24 2012 Hour: 10: 8 21.4 Lat: 37.34N Lon: 8.47W Depth: 14F Agency: IGL Regional
Magnitudes: 0.7ML 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	16	257	EP		10 8	24.91	0.01							1.0
MORF	HN	16	257	ES		10 8	27.46	-0.01							1.0
MORF	HN	16	257	AML		10 8	28.35			17	0.2				

September 24 2012 Hour: 10:31 23.0 Lat: 21.19S Lon: 174.21W Depth: 8F Agency: IGL Distant
Magnitudes: 5.8MS IGL Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17616		33	EPKP		1051	20.14	0.04							1.0
GGNV	BE17616		33	AMS		1214	15.62			1847	19.7				
MESJ	BZ17743		33	EPKP		1051	21.42	-0.07							1.0
MESJ	BZ17743		33	AMS		12 3	25.32			1126	18.4				
MORF	BZ17762		35	EPKP		1051	21.78	0.03							1.0
MORF	BZ17762		35	AMS		12 1	42.93			1173	21.1				

September 24 2012 Hour: 21:52 50.3 Lat: 37.60N Lon: 8.38W Depth: 11F Agency: IGL Regional
Magnitudes: 3.5ML 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	EP		2152	55.39	-0.06							1.0
MESJ	HN		30	ES		2152	59.13	-0.10							1.0
MESJ	HN		30	AML		2152	59.67			3364	0.2				
MORF	HZ		40	EP		2152	57.16	0.11							1.0
MORF	HN		40	ES		2153	2.04	0.03							1.0
MORF	HN		40	AML		2153	6.73			3711	0.1				
GGNV	HZ		141	EP		2153	12.27	0.17							1.0
GGNV	HN		141	ES		2153	27.90	-0.15							1.0
GGNV	HN		141	AML		2153	31.12			1566	0.5				

September 24 2012 Hour: 22:20 34.1 Lat: 37.62N Lon: 8.38W Depth: 10F Agency: IGL Regional
Magnitudes: 0.3ML 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		28	EP		2220	38.88	-0.07							1.0
MESJ	HN		28	ES		2220	42.55	0.07							1.0
MESJ	HE		28	AML		2220	43.13			4	0.2				

September 25 2012 Hour: 3: 6 52.0 Lat: 15.47S Lon: 173.92W Depth: 104F Agency: IGL Distant
Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17182		27	EPKP		326	31.16	0.08							1.0
MORF	BZ17210		28	EPKP		326	31.40	-0.08							1.0

September 25 2012 Hour: 10: 7 6.2 Lat: 36.84N Lon: 9.70W Depth: 1 Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ		107	EP		10 7	23.61	0.15							1.0
MORF	HN		107	ES		10 7	35.87	-0.15							1.0
MORF	HN		107	AML		10 7	38.21			66	0.2				
MESJ	HN		172	ES		10 7	52.33	0.00							1.0
MESJ	HN		172	AML		10 7	56.49			14	0.5				

September 25 2012 Hour: 23:45 25.6 Lat: 24.83N Lon: 110.15W Depth: 10F Agency: IGL Distant
Magnitudes: 6.6MS IGL Rms: 0.1 secs

GULF OF CALIFORNIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ		9217	EP		2357	50.49	-0.01							1.0
GGNV	BE		9217	ES		24 8	9.73	0.05							1.0
GGNV	BZ		9217	AMS		2432	33.14			22054	19.6				
MORF	BZ		9326	EP		2357	55.56	-0.06							1.0
MORF	BN		9326	ES		24 8	17.47	-0.03							1.0
MORF	BZ		9326	AMS		2434	3.24			20712	19.3				
MESJ	BZ		9333	EP		2357	55.79	-0.12							1.0
MESJ	BN		9333	ES		24 8	18.03	0.17							1.0
MESJ	BZ		9333	AMS		2434	53.27			22338	16.9				

September 26 2012 Hour: 1:18 16.6 Lat: 37.31N Lon: 8.54W Depth: 8F Agency: IGL Regional
 Magnitudes: 0.8ML 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	10	268	EP		118	18.61	-0.12							1.0
MORF	HN	10	268	ES		118	20.36	0.10							1.0
MORF	HN	10	268	AML		118	21.31			73	0.2				
MESJ	HZ	65	26	EP		118	27.17	-0.06							1.0
MESJ	HN	65	26	ES		118	35.05	0.08							1.0
MESJ	HN	65	26	AML		118	38.52			3	0.2				

September 26 2012 Hour: 9:18 11.2 Lat: 38.70N Lon: 11.31W Depth: 26F Agency: IGL Regional
 Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	280	123	EP		918	48.94	-0.13							1.0
MORF	HN	280	123	ES		919	16.73	0.01							1.0
MORF	HE	280	123	AML		919	18.76			7	0.1				
MESJ	HZ	287	108	EP		918	50.03	0.16							1.0
MESJ	HN	287	108	ES		919	18.06	-0.04							1.0
MESJ	HN	287	108	AML		919	20.65			5	0.2				

September 26 2012 Hour: 22:50 8.4 Lat: 38.29N Lon: 8.83W Depth: 1 Agency: IGL Regional
 Magnitudes: 1.1ML IGL Rms: 0.1 secs

NW MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	73	133	EP		2250	20.02	-0.18							1.0
MESJ	HN	73	133	ES		2250	28.77	-0.06							1.0
MESJ	HN	73	133	AML		2250	30.79			3	0.1				
MORF	HZ	110	172	EP		2250	26.24	0.07							1.0
MORF	HN	110	172	ES		2250	39.34	0.18							1.0
MORF	HE	110	172	AML		2250	40.18			9	0.2				

September 26 2012 Hour: 23:39 55.1 Lat: 51.63N Lon: 178.29W Depth: 10F Agency: IGL Distant
 Magnitudes: 6.5MS IGL Rms: 0.1 secs

ANDREANOF ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9946	8	EP		2352	51.97	0.06							1.0
GGNV	BZ	9946	8	EPP		2356	23.86	0.17							0.9
GGNV	BZ	9946	8	AMS		2441	11.45			16400	16.3				
MESJ	BZ10051		8	EP		2352	56.35	-0.04							1.0
MESJ	BZ10051		8	EPP		2356	31.11	-0.19							0.9
MESJ	BN10051		8	ESS		24	9	54.25	0.03						1.0
MESJ	BZ10051		8	AMS		2439	15.78			20838	21.1				
MORF	BZ10106		8	EP		2352	58.71	-0.03							1.0
MORF	BZ10106		8	EPP		2356	35.31	0.06							1.0
MORF	BN10106		8	ESS		2410	1.33	-0.07							1.0
MORF	BZ10106		8	AMS		2439	59.78			16524	22.9				

September 27 2012 Hour: 2:13 50.2 Lat: 36.57N Lon: 9.79W Depth: 13F Agency: IGL Regional
 Magnitudes: 2.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	130	51	EP		214	10.50	-0.07							1.0
MORF	HN	130	51	ES		214	25.50	0.07							1.0
MORF	HN	130	51	AML		214	26.67			48	0.3				
MESJ	HZ	198	44	EP		214	18.88	-0.09							1.0
MESJ	HN	198	44	ES		214	40.06	0.09							1.0
MESJ	HN	198	44	AML		214	42.91			14	0.2				

September 27 2012 Hour: 11:58 24.3 Lat: 36.31N Lon: 8.83W Depth: 0 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	112	8	EP		1158	42.31	0.01							1.0
MORF	HN	112	8	ES		1158	55.47	0.01							1.0
MORF	HN	112	8	AML		1158	56.55			12	0.6				
MESJ	HE	178	18	ES		1159	11.99	-0.02							1.0
MESJ	HN	178	18	AML		1159	17.44			5	0.2				

September 27 2012 Hour: 13: 2 4.2 Lat: 37.33N Lon: 7.75W Depth: 30F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

NE S. BRAS DE ALPORTEL. PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	70	324	EP		13 2	15.84	0.08							1.0
MORF	HZ	80	268	EP		13 2	17.09	0.09							1.0
MORF	HN	80	268	ES		13 2	26.16	-0.17							1.0
MORF	HN	80	268	AML		13 2	28.88			179	0.2				

September 27 2012 Hour: 17:44 43.0 Lat: 36.51N Lon: 11.19W Depth: 31F Agency: IGL Regional
Magnitudes: 3.1ML 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	243	68	EP		1745	15.90	-0.10							1.0
MORF	HN	243	68	ES		1745	40.08	0.02							1.0
MORF	HN	243	68	AML		1745	41.10			116	0.3				
MESJ	HZ	302	60	EP		1745	23.21	-0.12							1.0
MESJ	HN	302	60	ES		1745	52.80	0.06							1.0
MESJ	HN	302	60	AML		1745	54.78			35	0.3				
GGNV	HN	304	36	ES		1745	53.24	0.14							1.0
GGNV	HN	304	36	AML		1745	56.95			138	0.4				

September 27 2012 Hour: 23:53 49.3 Lat: 8.82S Lon: 157.56E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5MS IGL Rms: 0.0 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16466	340	EPKP			2413	30.99	-0.03							1.0
GGNV	BZ16466	340	AMS			2522	27.08			862	11.5				
MESJ	BZ16517	338	EPKP			2413	31.76	-0.03							1.0
MESJ	BZ16517	338	AMS			2528	39.17			593	16.2				
MORF	BZ16587	338	EPKP			2413	32.91	0.05							1.0
MORF	BZ16587	338	AMS			2529	9.35			622	21.4				

September 28 2012 Hour: 0:24 3.0 Lat: 37.61N Lon: 8.38W Depth: 2F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

SW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	29	29	EP		024	7.62	-0.05							1.0
MESJ	HN	29	29	ES		024	11.15	0.05							1.0
MESJ	HE	29	29	AML		024	11.83			4	0.1				

September 28 2012 Hour: 4:42 0.4 Lat: 37.32N Lon: 8.53W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	262	EP		442	3.03	-0.02							1.0
MORF	HN	11	262	ES		442	5.03	0.02							1.0
MORF	HE	11	262	AML		442	5.50			41	0.2				

September 28 2012 Hour: 11:44 16.7 Lat: 37.45N Lon: 2.05W Depth: 21F 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	546	276	EP		1145	27.60	0.04							1.0

September 29 2012 Hour: 7:11 12.9 Lat: 16.35N Lon: 98.39W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0MS IGL Rms: 0.0 secs

OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8834	53	EP		723	19.34	0.02							1.0
GGNV	BE	8834	53	ES		733	20.97	0.00							1.0
GGNV	BE	8834	53	AMS		755	26.18			958	20.4				
MORF	BZ	8911	54	EP		723	23.19	0.02							1.0
MORF	BE	8911	54	ES		733	28.40	-0.04							1.0
MORF	BZ	8911	54	AMS		755	0.92			673	21.2				
MESJ	BZ	8935	53	EP		723	24.32	0.05							1.0
MESJ	BN	8935	53	ES		733	30.55	-0.04							1.0
MESJ	BZ	8935	53	AMS		755	13.86			496	23.5				

September 29 2012 Hour: 17:48 57.0 Lat: 17.48S Lon: 69.66W Depth: 126F Agency: IGL Distant
Magnitudes: 5.5MB IGL Rms: 0.1 secs

SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8805	45	EP		18 0	47.93	0.06							1.0
MORF	BZ	8805	45	AMb		18 0	50.98			173	0.9				
MESJ	BZ	8869	45	EP		18 0	50.85	-0.06							1.0
MESJ	BZ	8869	45	AMb		18 0	53.45			87	1.3				

September 30 2012 Hour: 16:31 36.0 Lat: 1.92N Lon: 76.36W Depth: 168F Agency: IGL Distant
Magnitudes: 6.7MB IGL Rms: 0.1 secs

COLOMBIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	7917	50	EP		1642	36.14	-0.10							1.0
GGNV	BZ	7917	50	AMb		1642	41.74			3857	0.9				
GGNV	BE	7917	50	ES		1651	39.77	0.01							1.0
MORF	BZ	7925	51	EP		1642	36.78	0.02							1.0
MORF	BZ	7925	51	AMb		1642	40.22			3697	1.2				
MORF	BE	7925	51	ES		1651	40.71	-0.04							1.0
MESJ	BZ	7975	51	EP		1642	39.46	0.07							1.0
MESJ	BZ	7975	51	AMb		1642	43.06			1468	1.2				
MESJ	BE	7975	51	ES		1651	45.82	0.03							1.0

October 1 2012 Hour: 18:28 33.4 Lat: 37.20N Lon: 8.70W Depth: 1 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	13	20	EP		1828	35.35	-0.14							1.0
MORF	HN	13	20	ES		1828	37.06	0.08							1.0
MORF	HN	13	20	AML		1828	37.42			91	0.3				
MESJ	HZ	83	31	EP		1828	46.84	0.06							1.0
MESJ	HN	83	31	ES		1828	56.52	0.00							1.0
MESJ	HN	83	31	AML		1828	59.29			5	0.3				

October 1 2012 Hour: 20:48 7.3 Lat: 37.32N Lon: 8.58W Depth: 12F Agency: IGL Regional
Magnitudes: 1.1ML 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	6	256	EP		2048	9.51	-0.10							1.0
MORF	HN	6	256	ES		2048	11.36	0.08							1.0
MORF	HN	6	256	AML		2048	12.19			124	0.3				
MESJ	HZ	66	29	EP		2048	18.05	0.06							1.0
MESJ	HN	66	29	ES		2048	25.73	-0.04							1.0

MESJ HN 66 29 AML 2048 29.30 7 0.2

**October 1 2012 Hour: 22:21 45.0 Lat: 39.85N Lon: 143.05E Depth: 10F Agency: IGL Distant
Magnitudes: 6.3MS IGL Rms: 0.1 secs**

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10869	338	EP			2235	20.05	0.01							1.0
GGNV	BZ10869	338	EPP			2239	18.34	0.16							1.0
GGNV	BE10869	338	AMS			2318	57.15		9897	19.5					
MESJ	BZ10929	337	EP			2235	22.49	-0.03							1.0
MESJ	BZ10929	337	EPP			2239	22.48	0.09							1.0
MESJ	BN10929	337	ESKS			2246	0.49	-0.04							1.0
MESJ	BZ10929	337	AMS			2324	50.92		9980	15.6					
MORF	BZ10998	337	EP			2235	25.35	-0.14							1.0
MORF	BZ10998	337	EPP			2239	27.22	0.02							1.0
MORF	BN10998	337	ESKS			2246	3.70	-0.06							1.0
MORF	BN10998	337	ESKS			2246	3.77								
MORF	BE10998	337	AMS			2320	11.35		10537	21.9					

**October 2 2012 Hour: 0:5 27.8 Lat: 36.28N Lon: 9.79W Depth: 29F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	153	41	EP		0 5	49.71	0.02							1.0
MORF	HN	153	41	ES		0 6	5.60	-0.06							1.0
MORF	HN	153	41	AML		0 6	6.53		42	0.5					
MESJ	HZ	222	38	EP		0 5	58.38	0.06							1.0
MESJ	HN	222	38	ES		0 6	20.58	-0.01							1.0
MESJ	HN	222	38	AML		0 6	22.92		7	0.1					

**October 2 2012 Hour: 3:33 30.5 Lat: 18.82S Lon: 174.84W Depth: 97F Agency: IGL Distant
Rms: 0.0 secs**

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17553	29	EPKP			353	14.83	0.02							1.0

**October 2 2012 Hour: 10:14 26.3 Lat: 37.31N Lon: 8.64W Depth: 15F Agency: IGL Regional
Magnitudes: 0.4ML 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	247	EP		1014	28.67	-0.07							1.0
MORF	HN	1	247	ES		1014	30.62	0.07							1.0
MORF	HN	1	247	AML		1014	31.09		15	0.2					

**October 2 2012 Hour: 18:37 41.0 Lat: 26.85N Lon: 92.79E Depth: 52F Agency: IGL Distant
Magnitudes: 4.9MB IGL Rms: 0.0 secs**

ASSAM, INDIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9121	308	EP		1849	55.61	-0.04							1.0
MESJ	BZ	9121	308	AMB		1849	57.00		26	1.2					

**October 2 2012 Hour: 23:48 17.8 Lat: 36.41N Lon: 7.84W Depth: 15F 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	162	348	EP		2348	41.93	0.02							1.0
MESJ	HN	162	348	ES		2348	59.50	-0.02							1.0
MESJ	HN	162	348	AML		2349	0.78		3	0.2					

October 3 2012 Hour: 0:40 42.8 Lat: 36.60N Lon: 9.80W Depth: 12F 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	129	52	EP		041	3.02	-0.04							1.0
MORF	HN	129	52	ES		041	17.88	0.05							1.0
MORF	HN	129	52	AML		041	18.63			6	0.1				
MESJ	HZ	196	45	EP		041	11.48	0.01							1.0
MESJ	HN	196	45	ES		041	32.34	-0.03							1.0
MESJ	HN	196	45	AML		041	34.65			2	0.3				

October 3 2012 Hour: 6:26 16.9 Lat: 6.28S Lon: 152.75E Depth: 30F Agency: IGL Distant
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	BZ16044	334	EPKP			645	49.04	0.01							1.0
MORF	BZ16115	334	EPKP			645	50.15	-0.01							1.0

October 3 2012 Hour: 22:48 58.1 Lat: 14.33S Lon: 76.22W Depth: 32F Agency: IGL Distant
Magnitudes: 4.8MB IGL Rms: 0.0 secs

NEAR COAST OF CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9139	48	EP		23	1	15.72	-0.02						1.0
MESJ	BZ	9139	48	AMB		23	1	19.65			27	1.9			

October 3 2012 Hour: 22:52 30.8 Lat: 36.64N Lon: 7.39W Depth: 11F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	152	331	EP		2252	54.01	-0.01							1.0
MESJ	HE	152	331	ES		2253	10.98	0.01							1.0
MESJ	HN	152	331	AML		2253	12.66			2	0.2				

October 4 2012 Hour: 1:9 19.2 Lat: 36.38N Lon: 9.68W Depth: 7F 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	138	41	EP		1	9	41.05	-0.01						1.0
MORF	HN	138	41	ES		1	9	56.92	-0.09						1.0
MORF	HN	138	41	AML		1	9	57.69			6	0.1			
MESJ	HZ	208	38	EP		1	9	49.79	0.06						1.0
MESJ	HE	208	38	ES		110	12.07	0.05							1.0
MESJ	HN	208	38	AML		110	13.75				2	0.4			

October 4 2012 Hour: 13:36 38.9 Lat: 36.75N Lon: 7.14W Depth: 31F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	148	295	EP		1337	0.02	0.00							1.0
MORF	HN	148	295	ES		1337	15.46	0.00							1.0
MORF	HE	148	295	AML		1337	17.14				7	0.2			
MESJ	HZ	154	322	EP		1337	0.73	-0.04							1.0
MESJ	HE	154	322	ES		1337	16.80	0.04							1.0
MESJ	HE	154	322	AML		1337	19.02				7	0.2			

October 4 2012 Hour: 21:12 30.1 Lat: 37.40N Lon: 2.37W Depth: 1 Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	519	277	EP		2113	39.69	0.09							1.0

October 4 2012 Hour: 23:14 56.0 Lat: 17.48N Lon: 46.50W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0MS IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4300	52	EP		2322	19.64	0.02							1.0
MORF	BZ	4300	52	AMS		2334	6.52			1888	20.6				
GGNV	BZ	4317	49	EP		2322	20.78	0.02							1.0
GGNV	BZ	4317	49	AMS		2334	42.32			3762	17.0				
MESJ	BZ	4357	51	EP		2322	23.76	-0.05							1.0
MESJ	BZ	4357	51	AMS		2334	53.00			2289	22.1				

October 5 2012 Hour: 0:15 41.9 Lat: 17.63N Lon: 46.51W Depth: 10F Agency: IGL Distant
Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4291	52	EP		023	4.82	-0.02							1.0
MESJ	BZ	4347	51	EP		023	9.04	0.02							1.0

October 5 2012 Hour: 0:19 58.8 Lat: 17.80N Lon: 46.51W Depth: 10F Agency: IGL Distant
Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4279	52	EP		027	20.80	0.00							1.0
GGNV	BZ	4294	50	EP		027	21.81	-0.05							1.0
MESJ	BZ	4335	51	EP		027	25.03	0.05							1.0

October 5 2012 Hour: 2:29 32.0 Lat: 37.03N Lon: 9.40W Depth: 27F 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	73	65	EP		229	44.09	0.09							1.0
MORF	HE	73	65	ES		229	52.76	0.02							1.0
MORF	HN	73	65	AML		229	53.76			60	0.2				
MESJ	HZ	138	49	EP		229	52.02	-0.14							1.0
MESJ	HE	138	49	ES		230	6.86	0.01							1.0
MESJ	HN	138	49	AML		230	7.76			9	0.4				

October 5 2012 Hour: 12:36 55.2 Lat: 36.99N Lon: 10.91W Depth: 4F 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	HN	204	79	ES		1237	47.64	-0.19							1.0
MORF	HN	204	79	AML		1237	48.98			10	0.1				
MESJ	HZ	256	68	EP		1237	32.12	0.01							1.0
MESJ	HE	256	68	ES		1237	59.22	0.18							1.0
MESJ	HN	256	68	AML		1238	1.73			2	0.4				

October 5 2012 Hour: 16:20 57.7 Lat: 37.19N Lon: 9.60W Depth: 20F 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	85	81	EP		1621	11.43	0.03							1.0
MORF	HN	85	81	ES		1621	21.38	-0.02							1.0
MORF	HN	85	81	AML		1621	22.75			14	0.1				
MESJ	HN	142	59	ES		1621	34.26	-0.01							1.0
MESJ	HN	142	59	AML		1621	35.41			2	0.1				

October 5 2012 Hour: 18:22 57.7 Lat: 13.03N Lon: 91.56W Depth: 51F Agency: IGL Distant
Rms: 0.1 secs

OFF THE COAST OF GUATEMALA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8529	54	EP		1834	43.43	0.06							1.0
MESJ	BZ	8561	54	EP		1834	44.84	-0.07							1.0
MESJ	BE	8561	54	ES		1844	29.66	0.01							1.0

October 6 2012 Hour: 1:40 32.2 Lat: 37.50N Lon: 8.75W Depth: 9F Agency: IGL Regional
Magnitudes: 2.1ML IGL
Rms: 0.1 secs

SW ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	23	158	EP		140	36.23	-0.06							1.0
MORF	HN	23	158	ES		140	39.31	0.06							1.0
MORF	HN	23	158	AML		140	39.51			467	0.2				
MESJ	HZ	60	51	EP		140	42.09	0.05							1.0
MESJ	HN	60	51	ES		140	49.16	-0.04							1.0
MESJ	HN	60	51	AML		140	49.54			83	0.3				

October 6 2012 Hour: 5:38 8.3 Lat: 37.30N Lon: 8.57W Depth: 18F Agency: IGL Regional
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	7	276	EP		538	11.50	0.01							1.0
MORF	HN	7	276	ES		538	13.78	-0.01							1.0
MORF	HZ	7	276	AML		538	14.27			4	0.2				

October 6 2012 Hour: 15:20 0.4 Lat: 36.62N Lon: 11.61W Depth: 10F 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	274	73	EP		1520	38.97	-0.02							1.0
MORF	HN	274	73	ES		1521	7.15	0.02							1.0
MORF	HN	274	73	AML		1521	10.11			6	0.2				

October 6 2012 Hour: 20:43 15.7 Lat: 37.30N Lon: 8.59W Depth: 10F Agency: IGL Regional
Magnitudes: 1.9ML IGL
Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	277	EP		2043	17.55	-0.08							1.0
MORF	HN	5	277	ES		2043	19.08	0.06							1.0
MORF	HN	5	277	AML		2043	19.88			682	0.1				
MESJ	HZ	68	29	EP		2043	26.80	-0.03							1.0
MESJ	HN	68	29	ES		2043	35.01	0.06							1.0
MESJ	HN	68	29	AML		2043	38.39			57	0.1				

October 7 2012 Hour: 1:29 5.3 Lat: 37.49N Lon: 8.76W Depth: 6F Agency: IGL Regional
Magnitudes: 0.4ML IGL
Rms: 0.1 secs

SW ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	23	155	EP		129	9.10	0.06							1.0
MORF	HN	23	155	ES		129	11.75	-0.06							1.0
MORF	HN	23	155	AML		129	13.83			8	0.2				

October 7 2012 Hour: 2:21 40.5 Lat: 36.65N Lon: 9.67W Depth: 19F 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	116	51	EP		221	58.65	0.00							1.0
MORF	HN	116	51	ES		222	11.78	-0.09							1.0
MORF	HN	116	51	AML		222	14.10			17	0.2				
MESJ	HZ	184	44	EP		222	7.04	-0.02							1.0
MESJ	HN	184	44	ES		222	26.53	0.11							1.0

MESJ HN 184 44 AML 222 29.02 3 0.2

October 7 2012 Hour: 8:36 32.0 Lat: 5.53S Lon: 151.81E Depth: 35F Agency: IGL Distant
Rms: 0.0 secs
NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
MORF BZ15995 333 EPKP 856 2.72 0.01 1.0

October 7 2012 Hour: 9:43 9.4 Lat: 38.23N Lon: 8.06W Depth: 0 Agency: IGL Regional
Magnitudes: 1.5ML IGL
SW ALVITO, PORTUGAL Net: IMP
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
MESJ HZ 46 198 EP 943 16.89 0.13 1.0
MESJ HE 46 198 ES 943 21.99-0.13 1.0
MESJ HN 46 198 AML 943 22.58 37 0.2

October 7 2012 Hour: 11:10 52.9 Lat: 35.24N Lon: 4.06W Depth: 36F 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 471 309 EP 1111 53.79-0.01 1.0

October 8 2012 Hour: 1:50 25.9 Lat: 21.77S Lon: 68.26W Depth:115F Agency: IGL Distant
Magnitudes: 5.5MB IGL
ANTOFAGASTA, CHILE Net: NEIC
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
MORF BZ 9038 44 EP 2 2 29.25 0.03 1.0
MORF BZ 9038 44 AMb 2 2 32.74 128 1.4
MORF BN 9038 44 ES 212 30.61 0.03 1.0
GGNV BZ 9095 43 EP 2 2 31.86 0.06 1.0
GGNV BZ 9095 43 AMb 2 2 34.62 139 1.1
GGNV BN 9095 43 ES 212 35.58-0.06 1.0
MESJ BZ 9104 44 EP 2 2 32.28 0.02 1.0
MESJ BZ 9104 44 AMb 2 2 35.00 67 0.9
MESJ BN 9104 44 ES 212 36.45-0.07 1.0

October 8 2012 Hour: 2:59 5.9 Lat: 36.41N Lon: 9.86W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL
WEST OF GIBRALTAR Net: IMP
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
MORF HZ 147 47 EP 259 27.01 0.07 1.0
MORF HN 147 47 ES 259 42.09-0.18 1.0
MORF HN 147 47 AML 259 44.34 18 0.0
MESJ HZ 215 42 EP 259 35.46 0.02 1.0
MESJ HN 215 42 ES 259 57.07 0.09 1.0
MESJ HN 215 42 AML 259 59.93 5 0.1

October 8 2012 Hour: 3:54 49.3 Lat: 37.78N Lon: 6.83W Depth: 1 Agency: IGL Regional
Rms: 0.1 secs
SPAIN Net: MAD
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
MESJ HZ 123 274 EP 355 9.00-0.13 1.0

October 8 2012 Hour: 4:11 1.6 Lat: 37.29N Lon: 7.83W Depth: 10F Agency: IGL Regional
Magnitudes: 0.7ML IGL
NE S.BRAS DE ALPORTEL, PORTUGAL Net: IMP
STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
MESJ HZ 70 331 EP 411 13.01-0.01 1.0
MESJ HN 70 331 ES 411 21.35 0.01 1.0
MESJ HN 70 331 AML 411 23.77 3 0.3

October 8 2012 Hour: 6:26 21.8 Lat: 25.12N Lon: 109.70W Depth: 10F Agency: IGL Distant
Magnitudes: 6.3MS IGL Rms: 0.1 secs

GULF OF CALIFORNIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BE	9161	51	ES		649	0.64	-0.14							1.0
GGNV	BZ	9161	51	AMS		713	9.37			8215	20.7				
MORF	BZ	9270	52	EP		638	49.26	0.01							1.0
MORF	BN	9270	52	ES		649	10.43	0.02							1.0
MORF	BZ	9270	52	AMS		716	12.68			10330	15.3				
MESJ	BZ	9277	51	EP		638	49.54	-0.01							1.0
MESJ	BN	9277	51	ES		649	10.89	0.12							1.0
MESJ	BZ	9277	51	AMS		715	50.05			12776	15.3				

October 8 2012 Hour: 11:43 35.2 Lat: 4.44S Lon: 129.16E Depth: 35F Agency: IGL Distant
Magnitudes: 5.9MS IGL 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	BZ14349	316	EPKP			12 2	38.69	-0.06							1.0
MESJ	BZ14349	316	EPP			12 4	46.20	0.00							1.0
MESJ	BZ14349	316	AMS			1311	5.23			2225	23.1				
GGNV	BZ14369	318	EPKP			12 2	39.15	0.08							1.0
GGNV	BZ14369	318	EPP			12 4	47.35	-0.02							1.0
GGNV	BZ14369	318	AMS			13 8	16.88			2372	19.5				
MORF	BZ14411	316	EPKP			12 2	39.93	0.06							1.0
MORF	BZ14411	316	EPP			12 4	49.86	-0.06							1.0
MORF	BZ14411	316	AMS			13 8	18.34			2890	19.9				

October 8 2012 Hour: 17:36 41.1 Lat: 37.33N Lon: 8.53W Depth: 8F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	256	EP		1736	43.27	-0.05							1.0
MORF	HN	11	256	ES		1736	45.01	0.05							1.0
MORF	HN	11	256	AML		1736	45.74			163	0.2				

October 8 2012 Hour: 21:24 46.7 Lat: 36.57N Lon: 9.76W Depth: 15F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	128	50	EP		2125	6.54	-0.13							1.0
MORF	HN	128	50	ES		2125	21.27	0.05							1.0
MORF	HN	128	50	AML		2125	23.32			20	0.2				
MESJ	HN	196	44	ES		2125	35.86	0.06							1.0
MESJ	HN	196	44	AML		2125	39.45			4	0.1				
MESJ	HZ	196	44	EP		2125	15.13	0.03							1.0

October 9 2012 Hour: 0:37 23.8 Lat: 35.54N Lon: 1.44W Depth: 1 Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

NORTHERN ALGERIA Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	657	295	EP		038	50.06	0.00							1.0

October 9 2012 Hour: 12:32 4.2 Lat: 61.03S Lon: 153.96E Depth: 10F Agency: IGL Distant
Magnitudes: 6.3MS IGL Rms: 0.0 secs

BALLENY ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ17081	213	EPKP			1251	55.04	-0.01							1.0
MORF	BZ17081	213	AMS			1428	28.00			5008	22.5				
MESJ	BZ17124	214	EPKP			1251	55.56	0.01							1.0
MESJ	BZ17124	214	AMS			1427	36.03			5124	17.4				

October 9 2012 Hour: 22:11 48.2 Lat: 37.12N Lon: 3.62W 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	414	282	EP		2212	44.95	0.00							1.0

October 10 2012 Hour: 3:14 20.1 Lat: 36.82N Lon: 8.79W Depth: 31F 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	55	13	EP		314	29.69	-0.07							1.0
MORF	HE	55	13	ES		314	36.87	0.07							1.0
MORF	HN	55	13	AML		314	37.58			5	0.2				

October 10 2012 Hour: 12:19 46.9 Lat: 10.24N Lon: 85.38W Depth: 36F Agency: IGL Distant
Magnitudes: 5.1MS IGL Rms: 0.0 secs

COSTA RICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8162	54	EP		1231	15.18	0.02							1.0
MORF	BZ	8162	54	AMS		1258	1.90			1130	21.6				
MESJ	BZ	8200	54	EP		1231	17.09	-0.02							1.0
MESJ	BZ	8200	54	AMS		1258	21.40			936	20.8				

October 10 2012 Hour: 16:56 34.9 Lat: 29.33N Lon: 52.51E Depth: 21F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.0 secs

SOUTHERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5620	297	EP		17 5	31.66	0.01							1.0
MESJ	BZ	5620	297	AMb		17 5	34.20			25	1.2				
ALMR	BZ	5628	298	EP		17 5	32.21	0.04							1.0
ALMR	BZ	5628	298	AMb		17 5	34.82			57	0.8				
MORF	BZ	5668	296	EP		17 5	34.87	-0.05							1.0
MORF	BZ	5668	296	AMb		17 5	37.80			27	1.5				

October 11 2012 Hour: 9:10 47.9 Lat: 36.41N Lon: 8.05W Depth: 0 Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	332	EP		911	6.17	0.01							1.0
MORF	HN	113	332	ES		911	19.48	-0.01							1.0
MORF	HN	113	332	AML		911	21.47			39	0.3				

October 11 2012 Hour: 11:15 52.8 Lat: 36.59N Lon: 7.07W Depth: 31F 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	162	300	EP		1116	15.61	-0.09							1.0
MORF	HE	162	300	ES		1116	32.32	-0.07							1.0
MORF	HE	162	300	AML		1116	33.00			21	0.2				
MESJ	HZ	172	324	EP		1116	17.16	0.19							1.0
MESJ	HN	172	324	ES		1116	34.56	-0.03							1.0
MESJ	HN	172	324	AML		1116	36.02			8	0.2				

October 12 2012 Hour: 0:31 30.0 Lat: 4.84S Lon: 134.09E Depth: 25F Agency: IGL Distant
Magnitudes: 6.6MS IGL Rms: 0.1 secs

NEAR SOUTH COAST OF PAPUA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ14691	321	EPKP			050	40.99	0.10							1.0
ALMR	BZ14691	321	EPP			053	2.36	-0.04							1.0
ALMR	BZ14691	321	AMS			156	24.82			13253	18.3				
MESJ	BZ14749	319	EPKP			050	41.95	0.07							1.0
MESJ	BZ14749	319	EPP			053	5.65	-0.13							1.0
MESJ	BN14749	319	ESS			110	45.19	0.00							1.0

October 14 2012 Hour: 1:20 17.3 Lat: 36.49N Lon: 9.76W Depth: 10F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	134	47	EP		120	38.40	0.03							1.0
MORF	HE	134	47	ES		120	53.78	-0.01							1.0
MORF	HN	134	47	AML		120	56.56			67	0.2				
MESJ	HZ	203	42	EP		120	46.87	-0.01							1.0
MESJ	HE	203	42	ES		121	8.49	-0.02							1.0
MESJ	HN	203	42	AML		121	10.29			15	0.1				
ALMR	HZ	314	19	EP		121	0.65	0.01							0.9
ALMR	HE	314	19	ES		121	32.33	0.02							0.9
ALMR	HN	314	19	AML		121	35.27			22	0.1				

October 14 2012 Hour: 4:58 8.0 Lat: 7.19S Lon: 156.06E Depth: 61F Agency: IGL Distant
Magnitudes: 5.7MS IGL Rms: 0.0 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ16174	339	339	EPKP		517	38.17	-0.01							1.0
ALMR	BN16174	339	339	AMS		626	3.12			1334	13.5				
GGNV	BZ16240	339	339	EPKP		517	39.16	-0.01							1.0
GGNV	BN16240	339	339	AMS		627	23.07			1191	18.0				
MESJ	BZ16288	337	337	EPKP		517	39.98	0.06							1.0
MESJ	BZ16288	337	337	AMS		623	11.67			1141	18.1				
MORF	BZ16358	337	337	EPKP		517	40.99	-0.04							1.0
MORF	BZ16358	337	337	AMS		622	51.50			1037	20.3				

October 14 2012 Hour: 6:39 25.2 Lat: 42.35N Lon: 8.10W Depth: 12F Agency: IGL Regional
Magnitudes: 2.5ML 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	HZ	357	187	EP		640	13.97	0.17							1.0
ALMR	HN	357	187	ES		640	49.16	-0.12							1.0
ALMR	HN	357	187	AML		640	51.73			22	0.7				
MESJ	HZ	501	181	EP		640	31.66	0.25							0.9
MESJ	HN	501	181	ES		641	19.45	-0.31							0.9
MESJ	HN	501	181	AML		641	22.91			6	0.4				

October 14 2012 Hour: 9:41 58.6 Lat: 48.30N Lon: 154.53E Depth: 35F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.1 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ10182	347	347	EP		955	1.38	-0.11							1.0
ALMR	BZ10182	347	347	AMb		955	2.27			53	1.0				
MESJ	BZ10319	346	346	EP		955	7.20	-0.02							1.0
MESJ	BZ10319	346	346	AMb		955	9.80			20	1.9				
MORF	BZ10385	347	347	EP		955	10.11	0.13							1.0
MORF	BZ10385	347	347	AMb		955	11.75			33	1.1				

October 14 2012 Hour: 10:41 22.8 Lat: 14.71N Lon: 92.39W Depth: 83F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.2 secs

CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ	8473	53	EP		1053	2.02	0.16							1.0
ALMR	BZ	8473	53	AMb		1053	4.24			99	1.2				
MORF	BZ	8495	55	EP		1053	3.11	0.07							1.0
MORF	BZ	8495	55	AMb		1053	6.39			43	1.7				
MESJ	BZ	8524	54	EP		1053	4.24	-0.24							1.0
MESJ	BZ	8524	54	AMb		1053	4.61			20	1.3				

October 15 2012 Hour: 1:19 3.5 Lat: 51.91N Lon: 159.45E Depth: 22F Agency: IGL Distant
Magnitudes: 5.6MS IGL Rms: 0.3 secs

OFF EAST COAST OF KAMCHATKA Net:NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ	9855	351	EP		131	54.96	0.39							1.0
ALMR	BZ	9855	351	AMS		221	33.10			1602	17.0				
GGNV	BZ	9909	351	EP		131	56.67	-0.19							1.0
GGNV	BE	9909	351	AMS		215	31.12			2501	23.5				
MESJ	BZ	9995	350	EP		132	0.61	0.07							1.0
MESJ	BZ	9995	350	AMS		221	49.92			2818	15.8				
MORF	BZ10059	351	EP			132	3.00	-0.26							1.0
MORF	BZ10059	351	AMS			222	19.90			2407	19.2				

October 15 2012 Hour: 8:30 38.1 Lat: 34.66N Lon: 4.87W Depth: 23F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.0 secs

MOROCCO Net:IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	464	320	EP		831	38.76	0.00							1.0
MESJ	HN	464	320	ES		832	23.08	0.00							1.0
MESJ	HN	464	320	AML		832	25.92			5	0.3				

October 15 2012 Hour: 17:52 21.5 Lat: 14.15N Lon: 91.00W Depth: 76F Agency: IGL Distant
Magnitudes: 4.9MS IGL Rms: 0.0 secs

GUATEMALA Net:NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8408	55	EP		18 3	58.16	0.01							1.0
MORF	BZ	8408	55	AMS		1833	37.32			527	14.3				
MESJ	BZ	8439	54	EP		18 3	59.67	-0.01							1.0
MESJ	BZ	8439	54	AMS		1832	55.81			384	19.2				

October 15 2012 Hour: 19:55 35.2 Lat: 37.17N Lon: 12.94W Depth: 25F Agency: IGL Regional
Magnitudes: 3.0ML 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	380	86	EP		1956	25.60	-0.08							1.0
MORF	HN	380	86	ES		1957	2.12	-0.38							1.0
MORF	HN	380	86	AML		1957	9.02			52	0.1				
MESJ	HZ	424	78	EP		1956	31.29	0.37							1.0
MESJ	HN	424	78	ES		1957	11.35	-0.22							1.0
MESJ	HN	424	78	AML		1957	15.99			34	0.3				
ALMR	HZ	441	59	EP		1956	33.39	0.34							1.0

October 15 2012 Hour: 20: 4 7.8 Lat: 37.26N Lon: 12.67W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML 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	356	88	EP		20 4	57.13	-0.41							1.0
MORF	HN	356	88	ES		20 5	33.75	-0.11							1.0
MORF	HN	356	88	AML		20 5	35.58			5	0.4				
MESJ	HZ	398	79	EP		20 5	2.79	0.06							1.0
MESJ	HN	398	79	ES		20 5	43.30	0.47							1.0
MESJ	HN	398	79	AML		20 5	47.78			3	0.3				
ALMR	HZ	416	58	EP		20 5	4.88	0.02							1.0

October 15 2012 Hour: 21:50 54.0 Lat: 37.21N Lon: 12.92W Depth: 25F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	371	62	ES		2152	19.12	-0.06							1.0
GGNV	HN	371	62	AML		2152	22.20			58	0.2				
MORF	HZ	379	87	EP		2151	44.07	-0.17							1.0
MORF	HN	379	87	ES		2152	21.10	0.18							1.0
MORF	HN	379	87	AML		2152	26.97			45	0.2				

MESJ HZ	421	79	EP	2151	49.48	0.07											1.0
MESJ HN	421	79	ES	2152	29.61	-0.24											1.0
MESJ HE	421	79	AML	2152	34.25				32	0.5							
ALMR HZ	438	59	EP	2151	51.59	0.22											1.0

October 15 2012 Hour: 21:56 40.7 Lat: 37.16N Lon: 12.82W Depth: 20F 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		370	86	EP		2157	30.07	-0.15							1.0
MORF HE		370	86	ES		2158	6.55	0.18							1.0
MORF HN		370	86	AML		2158	12.82		29	0.3					
MESJ HZ		413	78	EP		2157	35.52	-0.02							1.0
MESJ HN		413	78	ES		2158	15.69	0.11							1.0
MESJ HN		413	78	AML		2158	20.15		16	0.3					
ALMR HZ		432	58	EP		2157	37.73	-0.12							1.0

October 15 2012 Hour: 23:38 26.1 Lat: 36.86N Lon: 11.02W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		217	76	EP		2338	58.49	-0.05							1.0
MORF HE		217	76	ES		2339	22.17	-0.05							1.0
MORF HE		217	76	AML		2339	25.06		17	0.2					
MESJ HZ		271	66	EP		2339	5.20	-0.08							1.0
MESJ HE		271	66	ES		2339	34.04	0.18							1.0
MESJ HN		271	66	AML		2339	37.62		5	0.2					

October 16 2012 Hour: 3: 2 14.5 Lat: 37.16N Lon: 12.92W Depth: 25F Agency: IGL Regional
Magnitudes: 2.6ML 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		379	86	EP		3 3	4.55	-0.24							1.0
MORF HN		379	86	ES		3 3	41.42	-0.09							1.0
MORF HN		379	86	AML		3 3	47.24		13	0.1					
MESJ HZ		422	78	EP		3 3	10.03	-0.02							1.0
MESJ HN		422	78	ES		3 3	50.74	0.14							1.0
MESJ HN		422	78	AML		3 3	57.15		9	0.3					
ALMR HZ		441	58	EP		3 3	12.52	0.28							1.0
ALMR HN		441	58	ES		3 3	54.33	-0.05							1.0
ALMR HN		441	58	AML		3 4	1.81		23	0.6					

October 16 2012 Hour: 3:57 53.7 Lat: 37.16N Lon: 8.51W Depth: 0 Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.2 secs

NE PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		21	322	EP		357	56.70	-0.31							1.0
MORF HN		21	322	ES		357	59.55	0.13							1.0
MORF HN		21	322	AML		357	59.83		504	0.3					
MESJ HZ		80	19	EP		358	6.51	-0.04							1.0
MESJ HN		80	19	ES		358	16.15	0.22							1.0
MESJ HN		80	19	AML		358	19.95		80	0.1					

October 16 2012 Hour: 5:16 55.6 Lat: 37.14N Lon: 13.03W Depth: 31F Agency: IGL Regional
Magnitudes: 3.6ML 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
GGNV HZ		384	62	EP		517	46.07	0.04							1.0
GGNV HN		384	62	ES		518	23.13	0.30							1.0
GGNV HN		384	62	AML		518	25.68		287	0.3					
MORF HZ		389	86	EP		517	46.33	-0.44							1.0
MORF HE		389	86	ES		518	23.69	-0.42							1.0
MORF HN		389	86	AML		518	29.29		180	0.2					
MESJ HZ		433	78	EP		517	52.21	0.22							1.0

MESJ HN	433	78	ES	518	32.77-0.36											1.0
MESJ HN	433	78	AML	518	36.70				73	0.4						
ALMR HZ	450	59	EP	517	54.36	0.25										1.0
ALMR HN	450	59	ES	518	37.24	0.44										1.0
ALMR HN	450	59	AML	518	40.79				193	0.5						

October 16 2012 Hour: 5:28 40.7 Lat: 37.19N Lon: 12.90W Depth: 19F Agency: IGL Regional
Magnitudes: 2.8ML 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		377	87	EP		529	30.92	-0.27							1.0
MORF HN		377	87	ES		530	7.96	-0.09							1.0
MORF HN		377	87	AML		530	13.69			37	0.4				
MESJ HZ		420	79	EP		529	36.66	0.23							1.0
MESJ HN		420	79	ES		530	16.77	-0.33							1.0
MESJ HN		420	79	AML		530	23.69			24	0.2				
ALMR HZ		437	59	EP		529	38.47	-0.02							1.0
ALMR HN		437	59	ES		530	21.18	0.51							1.0
ALMR HN		437	59	AML		530	23.26			18	0.2				

October 16 2012 Hour: 6: 4 24.6 Lat: 37.16N Lon: 12.72W Depth: 1 Agency: IGL Regional
Magnitudes: 1.7ML 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		361	86	EP		6 5	15.26	0.40							1.0
MESJ HZ		405	78	EP		6 5	20.33	0.09							1.0
MESJ HN		405	78	ES		6 6	0.33	-0.51							1.0
MESJ HN		405	78	AML		6 6	6.37			2	0.6				
ALMR HN		426	57	ES		6 6	5.23	0.00							1.0

October 16 2012 Hour: 7:23 2.7 Lat: 37.15N Lon: 12.65W Depth: 1 Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		355	86	EP		723	52.26	0.09							1.0
MESJ HZ		399	78	EP		723	57.62	0.04							1.0
MESJ HN		399	78	ES		724	37.51	-0.11							1.0
MESJ HN		399	78	AML		724	44.10			3	0.3				
ALMR HZ		421	57	EP		724	0.25	-0.01							1.0

October 16 2012 Hour: 7:36 11.5 Lat: 37.20N Lon: 12.66W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		356	87	EP		737	0.89	-0.20							1.0
MORF HN		356	87	ES		737	37.50	0.17							1.0
MORF HN		356	87	AML		737	38.60			4	0.1				
MESJ HZ		399	78	EP		737	6.50	0.11							1.0
MESJ HN		399	78	ES		737	46.20	-0.30							1.0
MESJ HN		399	78	AML		737	53.54			3	0.5				
ALMR HZ		418	58	EP		737	8.88	0.07							1.0
ALMR HN		418	58	ES		737	50.83	0.15							1.0
ALMR HN		418	58	AML		737	52.12			7	0.3				

October 16 2012 Hour: 11:13 8.7 Lat: 37.14N Lon: 13.22W Depth: 30F Agency: IGL Regional
Magnitudes: 3.8ML 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
GGNV HZ		398	63	EP		1114	1.52	0.57							1.0
GGNV HN		398	63	ES		1114	38.68	-0.38							1.0
GGNV HN		398	63	AML		1114	41.14			373	0.3				
MORF HZ		406	86	EP		1114	1.98	0.05							1.0
MORF HN		406	86	ES		1114	40.18	-0.58							1.0
MORF HN		406	86	AML		1114	44.77			263	0.4				

MESJ HZ	449	79	EP	1114	7.47	0.37											1.0
MESJ HN	449	79	ES	1114	48.98	-0.73											1.0
MESJ HN	449	79	AML	1114	52.09				164	0.4							
ALMR HZ	464	60	EP	1114	9.53	0.57											1.0
ALMR HN	464	60	ES	1114	53.08	0.15											1.0
ALMR HN	464	60	AML	1114	54.33				147	0.2							

October 16 2012 Hour: 11:17 40.0 Lat: 37.25N Lon: 12.73W Depth: 1 Agency: IGL Regional
Magnitudes: 2.5ML 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		361	88	EP		1118	30.10	-0.14							1.0
MORF HN		361	88	ES		1119	6.99	0.09							1.0
MORF HN		361	88	AML		1119	12.73			14	0.6				
MESJ HZ		403	79	EP		1118	35.39	-0.04							1.0
MESJ HN		403	79	ES		1119	16.05	0.18							1.0
MESJ HN		403	79	AML		1119	19.99			10	0.4				
ALMR HZ		420	59	EP		1118	37.79	0.28							1.0
ALMR HN		420	59	ES		1119	19.12	-0.36							1.0
ALMR HN		420	59	AML		1119	22.23			20	0.6				

October 16 2012 Hour: 12:41 24.2 Lat: 49.57N Lon: 156.53E Depth: 65F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.1 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ10214		348	EP			1254	25.04	0.09							1.0
MESJ BN10214		348	ESKS			13 4	52.00	-0.12							1.0
MESJ BZ10214		348	AMS			1343	47.43			830	16.8				
MORF BZ10278		348	EP			1254	27.72	0.03							1.0
MORF BZ10278		348	AMS			1344	14.38			626	14.0				

October 16 2012 Hour: 13:58 27.2 Lat: 35.89N Lon: 10.36W Depth: 27F 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		219	44	EP		1358	57.38	-0.06							1.0
MORF HN		219	44	ES		1359	19.84	0.29							1.0
MORF HN		219	44	AML		1359	21.52			14	0.2				
MESJ HZ		288	41	EP		1359	5.90	-0.11							1.0
MESJ HN		288	41	ES		1359	34.23	-0.13							1.0
MESJ HN		288	41	AML		1359	38.11			4	0.2				

October 16 2012 Hour: 14:13 5.1 Lat: 37.33N Lon: 12.83W Depth: 1 Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		370	89	EP		1413	56.46	0.03							1.0
MESJ HN		411	81	ES		1414	42.52	-0.03							1.0
MESJ HN		411	81	AML		1414	49.61			5	0.1				

October 16 2012 Hour: 15:10 58.9 Lat: 39.74N Lon: 15.61E Depth: 270F Agency: IGL Distant
Magnitudes: 4.5MB IGL Rms: 0.1 secs

SOUTHERN ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ		2075	272	EP		1514	57.43	0.06							1.0
MESJ BZ		2075	272	AMb		1515	1.58			234	1.2				
ALMR BZ		2077	276	EP		1514	57.58	0.07							1.0
ALMR BZ		2077	276	AMb		1514	59.82			137	1.3				
MORF BZ		2126	270	EP		1515	2.21	-0.14							1.0
MORF BZ		2126	270	AMb		1515	6.57			102	1.4				

October 16 2012 Hour: 17:26 44.3 Lat: 37.30N Lon: 12.66W Depth: 0 Agency: IGL Regional
Magnitudes: 2.2ML 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
MORF	HZ	356	89	EP		1727	33.83	-0.18							1.0
MORF	HN	356	89	ES		1728	10.28	-0.01							1.0
MORF	HN	356	89	AML		1728	15.18			6	0.2				
MESJ	HZ	397	80	EP		1727	39.15	0.04							1.0
MESJ	HN	397	80	ES		1728	18.84	-0.27							1.0
MESJ	HN	397	80	AML		1728	24.01			6	0.4				
ALMR	HN	413	59	ES		1728	22.92	0.44							1.0
ALMR	HN	413	59	AML		1728	24.73			11	0.4				

October 16 2012 Hour: 17:29 29.4 Lat: 37.26N Lon: 12.68W Depth: 0 Agency: IGL Regional
Magnitudes: 2.2ML 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
MORF	HZ	358	88	EP		1730	19.21	-0.12							1.0
MESJ	HZ	400	79	EP		1730	24.36	-0.16							1.0
MESJ	HN	400	79	ES		1731	5.01	0.27							1.0
MESJ	HN	400	79	AML		1731	12.25			7	0.3				
ALMR	HZ	417	58	EP		1730	26.66	0.02							1.0

October 16 2012 Hour: 17:43 37.2 Lat: 37.18N Lon: 12.86W Depth: 1 Agency: IGL Regional
Magnitudes: 1.8ML 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
MESJ	HZ	417	78	EP		1744	34.40	0.13							1.0
MESJ	HN	417	78	ES		1745	15.84	-0.13							1.0
MESJ	HN	417	78	AML		1745	18.20			2	0.4				

October 16 2012 Hour: 18:41 28.9 Lat: 37.28N Lon: 12.73W Depth: 1 Agency: IGL Regional
Magnitudes: 1.9ML 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	362	88	EP		1842	19.05	-0.10							1.0
MORF	HN	362	88	ES		1842	55.61	-0.23							1.0
MORF	HN	362	88	AML		1842	58.98			4	0.3				
MESJ	HZ	403	80	EP		1842	24.60	0.32							1.0
MESJ	HN	403	80	ES		1843	4.72	0.02							1.0
MESJ	HN	403	80	AML		1843	9.26			4	0.2				

October 16 2012 Hour: 22: 4 7.6 Lat: 37.20N Lon: 12.63W Depth: 1 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	354	87	EP		22 4	56.90	0.02							1.0
MORF	HN	354	87	ES		22 5	32.89	0.05							1.0
MORF	HN	354	87	AML		22 5	38.20			3	0.1				
MESJ	HZ	397	78	EP		22 5	2.30	0.11							1.0
MESJ	HN	397	78	ES		22 5	41.84	-0.18							1.0
MESJ	HE	397	78	AML		22 5	49.66			6	0.3				

October 17 2012 Hour: 2: 7 20.6 Lat: 37.20N Lon: 12.68W Depth: 1 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	358	87	EP		2 8	10.48	0.12							1.0
MORF	HN	358	87	ES		2 8	46.76	0.06							1.0
MORF	HN	358	87	AML		2 8	51.36			9	0.2				
MESJ	HZ	401	78	EP		2 8	15.84	0.17							1.0
MESJ	HN	401	78	ES		2 8	55.77	-0.11							1.0
MESJ	HN	401	78	AML		2 8	58.96			9	0.2				

ALMR HZ	420	58	EP	2	8	17.98-0.08											1.0
ALMR HE	420	58	ES	2	8	59.84-0.17											1.0
ALMR HN	420	58	AML	2	9	2.79			15	0.2							

October 17 2012 Hour: 4:42 31.0 Lat: 4.19N Lon: 124.57E Depth:337F Agency: IGL Distant Rms: 0.1 secs

CELEBES SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ13246	320	EP			5	2	4.34-0.06							1.0
MESJ	BZ13300	318	EPKP			5	0	40.60 0.01							1.0
MESJ	BZ13300	318	EP			5	2	7.86 0.12							1.0
GGNV	BZ13315	319	EP			5	2	8.73 0.14							1.0
MORF	BZ13364	318	EPKP			5	0	41.67-0.08							1.0
MORF	BZ13364	318	EP			5	2	11.57-0.15							1.0

October 17 2012 Hour: 5:50 44.9 Lat: 36.85N Lon: 4.21W Depth: 55F 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	372	288	EP		551	33.47	0.16							1.0
MESJ	HN	372	288	ES		552	8.78	0.09							1.0
MESJ	HN	372	288	AML		552	11.62			5	0.2				
MORF	HZ	398	279	EP		551	36.40-0.12								1.0
MORF	HE	398	279	ES		552	14.10-0.14								1.0
MORF	HN	398	279	AML		552	21.17			12	0.3				

October 17 2012 Hour: 8: 4 32.8 Lat: 37.15N Lon: 12.97W Depth: 28F Agency: IGL Regional Magnitudes: 2.6ML 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	384	86	EP		8	5	23.23-0.22							1.0
MESJ	HZ	427	78	EP		8	5	28.63-0.06							1.0
MESJ	HN	427	78	ES		8	6	9.56 0.07							1.0
MESJ	HN	427	78	AML		8	6	15.93		13	0.2				
ALMR	HZ	445	59	EP		8	5	31.08 0.22							1.0

October 17 2012 Hour: 9: 4 3.0 Lat: 37.23N Lon: 12.72W Depth: 0 Agency: IGL Regional Magnitudes: 2.1ML 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	361	87	EP		9	4	53.13-0.21							1.0
MESJ	HZ	403	79	EP		9	4	58.61 0.05							1.0
MESJ	HE	403	79	ES		9	5	39.29 0.17							1.0
MESJ	HN	403	79	AML		9	5	45.58		5	0.2				

October 17 2012 Hour: 17:58 12.5 Lat: 33.91N Lon: 7.04W Depth: 11F Agency: IGL Regional Magnitudes: 2.1ML 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	404	339	EP		1759	7.01-0.09								1.0
MORF	HN	404	339	ES		1759	46.86-0.07								1.0
MORF	HN	404	339	AML		1759	50.30			7	0.5				
MESJ	HZ	449	347	EP		1759	12.41-0.12								1.0
MESJ	HN	449	347	ES		1759	56.62 0.29								1.0
MESJ	HN	449	347	AML		18	0	0.58		3	0.2				

October 18 2012 Hour: 11:24 25.1 Lat: 37.26N Lon: 12.68W Depth: 1 Agency: IGL Regional Magnitudes: 3.1ML 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	358	88	EP		1125	14.55-0.35								1.0
MORF	HN	358	88	ES		1125	50.87-0.36								1.0
MORF	HN	358	88	AML		1125	57.36			70	0.3				
MESJ	HZ	400	79	EP		1125	20.28 0.19								1.0

MESJ HN	400	79	ES	1126	0.55	0.35												1.0
MESJ HN	400	79	AML	1126	7.28				48	0.2								
ALMR HZ	417	58	EP	1125	22.41	0.20												1.0

October 19 2012 Hour: 15:34 12.1 Lat: 30.70S Lon: 177.65W Depth: 35F Agency: IGL Distant Rms: 0.0 secs

KERMADEC ISLANDS, NEW ZEALAND Net: NEIC

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ18766		48	EP		1554	14.67	-0.03							1.0
MORF BZ18768		51	EP		1554	14.80	0.03							1.0

October 20 2012 Hour: 4:13 20.8 Lat: 37.26N Lon: 7.80W Depth: 9F Agency: IGL Regional Magnitudes: 0.5ML IGL Rms: 0.1 secs

NE S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	74	330	EP		413	32.80	-0.11							1.0
MESJ HN	74	330	ES		413	41.78	0.06							1.0
MESJ HN	74	330	AML		413	45.01			2	0.3				
MORF HZ	76	274	EP		413	33.19	0.05							1.0

October 20 2012 Hour: 4:57 2.7 Lat: 35.30N Lon: 3.62W Depth: 1 Agency: IGL Regional Magnitudes: 1.8ML 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	499	306	EP		458	9.81	0.00							1.0
MESJ HN	499	306	ES		458	58.96	0.19							1.0
MESJ HN	499	306	AML		459	5.62			2	0.8				
MORF HZ	504	298	EP		458	10.49	0.06							1.0
MORF HN	504	298	ES		458	59.59	-0.25							1.0
MORF HN	504	298	AML		459	2.53			2	0.2				

October 20 2012 Hour: 7:19 26.0 Lat: 37.10N Lon: 4.98W Depth: 5F 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	298	287	EP		720	8.15	0.16							1.0

October 20 2012 Hour: 19:43 49.2 Lat: 36.26N Lon: 4.60W Depth: 31F Agency: IGL Regional Magnitudes: 1.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	367	300	EP		1944	37.50	-0.01							1.0
MESJ HN	367	300	ES		1945	12.76	0.01							1.0
MESJ HN	367	300	AML		1945	15.55			1	0.2				

October 20 2012 Hour: 20:35 43.6 Lat: 37.57N Lon: 7.89W Depth: 0 Agency: IGL Regional Magnitudes: 0.9ML IGL Rms: 0.0 secs

NE ALMODOVAR, PORTUGAL Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	42	316	EP		2035	50.34	0.01							1.0
MESJ HN	42	316	ES		2035	55.23	-0.01							1.0
MESJ HN	42	316	AML		2035	57.99			11	0.1				

October 20 2012 Hour: 23: 0 32.6 Lat: 13.56S Lon: 166.60E Depth: 36F Agency: IGL Distant Magnitudes: 6.3MS IGL Rms: 0.1 secs

VANUATU Net: NEIC

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR BZ17158		351	EPKP		2320	19.73	0.03							1.0
ALMR BZ17158		351	AMS		2431	55.52			5502	19.8				
GGNV BZ17215		352	EPKP		2320	20.42	0.02							1.0
GGNV BZ17215		352	AMS		2432	10.09			4630	22.9				
MESJ BZ17295		350	EPKP		2320	21.44	0.02							1.0
MESJ BZ17295		350	EPP		2324	24.19	0.03							1.0
MESJ BZ17295		350	AMS		2431	18.25			4335	22.3				

MORF BZ17361 351 EPKP 2320 22.16-0.11 1.0
MORF BZ17361 351 AMS 2439 30.55 3988 22.6

**October 21 2012 Hour: 8:41 25.7 Lat: 37.05N Lon: 5.00W Depth: 10F 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 298 288 EP 842 7.25 0.06 1.0

**October 21 2012 Hour: 11:15 8.6 Lat: 35.07N Lon: 5.75W Depth: 20F Agency: IGL Regional
Magnitudes: 3.2ML 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 360 314 EP 1115 56.59-0.30 1.0
MORF HN 360 314 ES 1116 32.22 0.08 1.0
MORF HN 360 314 AML 1116 36.89 68 0.3
MESJ HZ 379 325 EP 1115 59.26 0.08 1.0
MESJ HN 379 325 ES 1116 35.99-0.12 1.0
MESJ HN 379 325 AML 1116 41.67 94 0.4
ALMR HZ 518 332 EP 1116 16.46 0.30 0.9

**October 21 2012 Hour: 11:27 49.0 Lat: 38.15N Lon: 8.25W Depth: 11F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 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 35 176 EP 1127 54.96 0.08 1.0
MESJ HN 35 176 ES 1127 59.07-0.08 1.0
MESJ HN 35 176 AML 1127 59.85 20 0.2

**October 21 2012 Hour: 17:47 42.7 Lat: 37.27N Lon: 12.74W Depth: 0 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
MORF HZ 362 88 EP 1748 33.07-0.11 1.0
MESJ HZ 404 80 EP 1748 38.30-0.04 1.0
MESJ HN 404 80 ES 1749 18.99 0.03 1.0
MESJ HN 404 80 AML 1749 26.10 9 0.1
ALMR HZ 420 59 EP 1748 40.46 0.13 1.0

**October 21 2012 Hour: 21: 9 47.3 Lat: 37.29N Lon: 12.69W Depth: 0 Agency: IGL Regional
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 358 88 EP 2110 37.11-0.18 1.0
MESJ HZ 400 80 EP 2110 42.48 0.07 1.0
ALMR HZ 416 59 EP 2110 44.51 0.12 1.0

**October 21 2012 Hour: 21:38 31.6 Lat: 39.58N Lon: 13.05W Depth: 40F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs**

NORTH ATLANTIC OCEAN Net: MAD

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
MORF HZ 460 122 EP 2139 31.22 0.12 1.0
MESJ HE 463 113 ES 2140 14.91-0.12 1.0
MESJ HN 463 113 AML 2140 19.61 8 0.4

**October 21 2012 Hour: 22:49 19.6 Lat: 36.88N Lon: 5.42W 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 270 294 EP 2249 57.54 0.04 1.0

October 22 2012 Hour: 1:57 47.3 Lat: 37.31N Lon: 12.59W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.4 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	349	89	EP		158	35.80	-0.41							1.0
MESJ	HN	391	80	ES		159	21.17	0.45							1.0
MESJ	HN	391	80	AML		159	26.91			3	0.6				
ALMR	HZ	407	58	EP		158	43.33	-0.02							1.0

October 22 2012 Hour: 2:31 9.1 Lat: 37.22N Lon: 12.66W Depth: 0 Agency: IGL Regional
Magnitudes: 2.2ML 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	356	87	EP		231	58.44	-0.36							1.0
MORF	HN	356	87	ES		232	35.48	0.38							1.0
MORF	HN	356	87	AML		232	41.28			6	0.5				
MESJ	HZ	399	79	EP		232	3.60	-0.46							1.0
MESJ	HN	399	79	ES		232	44.50	0.31							1.0
MESJ	HN	399	79	AML		232	51.40			6	0.1				
ALMR	HZ	417	58	EP		232	6.50	0.13							1.0

October 22 2012 Hour: 18:40 31.3 Lat: 36.52N Lon: 5.37W Depth: 4F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	292	301	EP		1841	12.69	0.02							1.0
MESJ	HN	292	301	ES		1841	42.85	-0.02							1.0
MESJ	HN	292	301	AML		1841	45.47			3	0.2				

October 22 2012 Hour: 18:43 13.7 Lat: 36.54N Lon: 5.39W Depth: 4F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	290	301	EP		1843	54.66	-0.06							1.0
MESJ	HN	290	301	ES		1844	24.75	0.06							1.0
MESJ	HN	290	301	AML		1844	27.48			3	0.0				

October 22 2012 Hour: 19:52 2.1 Lat: 36.67N Lon: 5.46W Depth: 1F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	277	299	EP		1952	41.69	-0.20							1.0
MESJ	HN	277	299	ES		1953	11.14	0.20							1.0
MESJ	HN	277	299	AML		1953	14.54			7	0.1				

October 23 2012 Hour: 0:59 8.9 Lat: 37.20N Lon: 12.77W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML 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	366	87	EP		059	59.79	-0.05							1.0
MESJ	HZ	409	79	EP		1 0	4.94	-0.18							1.0
MESJ	HN	409	79	ES		1 0	46.40	0.23							1.0
MESJ	HN	409	79	AML		1 0	50.24			3	0.6				

October 23 2012 Hour: 1:15 9.1 Lat: 37.18N Lon: 13.24W Depth: 10F 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	407	87	EP		1 2	54.13	-0.05							1.0
MESJ	HZ	450	79	EP		1 2	59.37	0.05							1.0

October 23 2012 Hour: 1:48 27.1 Lat: 37.34N Lon: 12.72W Depth: 1 Agency: IGL Regional
Magnitudes: 1.9ML 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	361	89	EP		149	17.16	-0.13							1.0
MESJ	HZ	402	81	EP		149	22.64	0.35							1.0
MESJ	HN	402	81	ES		150	2.37	-0.21							1.0
MESJ	HN	402	81	AML		150	9.71			3	0.4				

October 23 2012 Hour: 2:15 39.1 Lat: 37.24N Lon: 12.73W Depth: 1 Agency: IGL Regional
Magnitudes: 2.8ML 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	362	88	EP		216	29.38	-0.05							1.0
MORF	HN	362	88	ES		217	6.10	-0.05							1.0
MORF	HN	362	88	AML		217	12.10			30	0.4				
MESJ	HZ	404	79	EP		216	34.79	0.14							1.0
MESJ	HN	404	79	ES		217	14.97	-0.21							1.0
MESJ	HN	404	79	AML		217	22.08			20	0.2				
ALMR	HZ	422	58	EP		216	37.01	0.19							1.0
ALMR	HN	422	58	ES		217	18.92	-0.01							1.0
ALMR	HN	422	58	AML		217	24.82			32	0.3				

October 23 2012 Hour: 2:18 19.0 Lat: 37.24N Lon: 12.69W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	359	88	EP		219	8.90	-0.17							1.0
MESJ	HZ	401	79	EP		219	14.29	0.01							1.0
MESJ	HN	401	79	ES		219	54.65	0.03							1.0
MESJ	HN	401	79	AML		220	0.15			3	0.5				
ALMR	HZ	419	58	EP		219	16.60	0.14							1.0

October 23 2012 Hour: 2:20 50.4 Lat: 37.23N Lon: 12.77W Depth: 0 Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	365	87	EP		221	41.06	-0.07							1.0
MESJ	HZ	407	79	EP		221	46.44	0.09							1.0
MESJ	HN	407	79	ES		222	27.22	-0.01							1.0
MESJ	HN	407	79	AML		222	31.41			3	0.6				

October 23 2012 Hour: 2:30 50.4 Lat: 37.23N Lon: 12.70W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	359	87	EP		231	40.61	0.11							1.0
MESJ	HZ	402	79	EP		231	45.40	-0.35							1.0
MESJ	HN	402	79	ES		232	26.39	0.23							1.0
MESJ	HN	402	79	AML		232	33.42			4	0.3				

October 23 2012 Hour: 3:49 54.6 Lat: 37.27N Lon: 12.72W Depth: 1 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	361	88	EP		350	45.04	0.20							1.0
MESJ	HZ	403	80	EP		350	49.99	0.00							1.0
MESJ	HN	403	80	ES		351	30.26	-0.13							1.0
MESJ	HN	403	80	AML		351	37.86			4	0.4				
ALMR	HZ	419	59	EP		350	51.91	-0.08							1.0

October 23 2012 Hour: 11:14 32.6 Lat: 37.33N Lon: 8.56W Depth: 15F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	252	EP		1114	35.43	0.00							1.0
MORF	HE	8	252	ES		1114	37.48	-0.01							1.0
MORF	HN	8	252	AML		1114	37.88			116	0.2				
MESJ	HZ	64	28	EP		1114	43.06	0.05							1.0
MESJ	HN	64	28	ES		1114	50.55	-0.05							1.0
MESJ	HN	64	28	AML		1114	51.25			10	0.2				

October 23 2012 Hour: 11:30 49.8 Lat: 36.38N Lon: 8.16W Depth: 29F 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	112	337	EP		1131	6.53	-0.05							1.0
MESJ	HZ	162	358	EP		1131	12.82	0.02							1.0
MESJ	HE	162	358	ES		1131	29.63	0.03							1.0
MESJ	HN	162	358	AML		1131	31.34			6	0.2				

October 24 2012 Hour: 0:45 33.7 Lat: 10.12N Lon: 85.31W Depth: 20F Agency: IGL Distant
Magnitudes: 6.7MS IGL Rms: 0.1 secs

COSTA RICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8122	53	EP		057	2.00	0.07							1.0
GGNV	BE	8122	53	ES		1 6	28.47	0.02							1.0
GGNV	BZ	8122	53	AMS		126	5.59			53867	18.2				
MORF	BZ	8165	54	EP		057	4.39	0.08							1.0
MORF	BN	8165	54	ES		1 6	33.08	0.08							1.0
MORF	BZ	8165	54	AMS		123	51.86			34000	22.1				
ALMR	BZ	8172	52	EP		057	4.63	0.02							1.0
ALMR	BN	8172	52	ES		1 6	33.45	-0.14							1.0
ALMR	BZ	8172	52	AMS		125	24.00			42485	17.8				
MESJ	BZ	8203	54	EP		057	6.26	0.00							1.0
MESJ	BE	8203	54	ES		1 6	36.62	-0.14							1.0
MESJ	BZ	8203	54	AMS		124	11.98			30812	21.5				

October 24 2012 Hour: 13:43 41.3 Lat: 37.31N Lon: 8.54W Depth: 13F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 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	268	EP		1343	43.99	-0.05							1.0
MORF	HN	10	268	ES		1343	46.05	0.05							1.0
MORF	HN	10	268	AML		1343	46.63			90	0.1				

October 25 2012 Hour: 6:11 24.9 Lat: 35.16N Lon: 4.18W Depth: 7F 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	467	302	EP		612	27.44	-0.13							1.0
MESJ	HZ	468	311	EP		612	27.64	-0.05							1.0
MESJ	HN	468	311	ES		613	13.70	0.18							1.0
MESJ	HN	468	311	AML		613	16.25			10	0.2				

October 25 2012 Hour: 15:25 56.1 Lat: 36.92N Lon: 8.84W Depth: 30F 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	HN	46	21	ES		1526	10.71	0.07							1.0
MORF	HE	46	21	AML		1526	11.23			14	0.1				
MORF	HZ	46	21	EP		1526	4.42	-0.07							1.0

October 25 2012 Hour: 19:56 44.0 Lat: 37.32N Lon: 2.22W Depth: 7F 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	533	278	EP		1957	54.69	-0.01							1.0

October 25 2012 Hour: 20:49 33.7 Lat: 5.91S Lon: 76.12W Depth: 8F Agency: IGL Distant
Magnitudes: 5.5MB IGL Rms: 0.1 secs

NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8457	49	EP		21 1	21.62	0.06							1.0
MORF	BZ	8457	49	AMb		21 1	26.06			106	1.7				
MORF	BN	8457	49	ES		2111	5.71	-0.03							1.0
MESJ	BZ	8512	49	EP		21 1	24.34	0.02							1.0
MESJ	BZ	8512	49	AMb		21 1	25.97			68	2.0				
MESJ	BE	8512	49	ES		2111	10.90	-0.18							1.0
ALMR	BZ	8530	48	EP		21 1	25.33	0.12							1.0
ALMR	BZ	8530	48	AMb		21 1	30.54			76	1.0				

October 25 2012 Hour: 23: 5 26.0 Lat: 39.88N Lon: 16.03E Depth: 5F Agency: IGL Distant
Magnitudes: 4.7MS IGL Rms: 0.1 secs

SOUTHERN ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2110	272	EP		23 9	48.24	-0.05							1.0
MESJ	BN	2110	272	ES		2313	22.92	0.05							1.0
MESJ	BZ	2110	272	AMS		2317	2.06			3400	16.4				
ALMR	BZ	2111	276	EP		23 9	48.31	0.01							1.0
ALMR	BN	2111	276	ES		2313	22.94	0.01							1.0
ALMR	BZ	2111	276	AMS		2317	4.80			3876	20.5				
MORF	BZ	2162	270	EP		23 9	53.37	-0.05							1.0
MORF	BN	2162	270	ES		2313	34.21	0.08							1.0
MORF	BZ	2162	270	AMS		2316	47.46			1866	22.7				
GGNV	BZ	2169	275	EP		23 9	54.06	0.07							1.0
GGNV	BN	2169	275	ES		2313	35.35	-0.12							1.0
GGNV	BZ	2169	275	AMS		2317	38.50			5348	16.8				

October 26 2012 Hour: 4:57 25.0 Lat: 36.35N Lon: 7.64W Depth: 1 Agency: IGL Regional
Magnitudes: 1.5ML 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	139	320	EP		457	47.19	-0.19							1.0
MESJ	HZ	173	343	EP		457	52.25	0.43							1.0
MESJ	HN	173	343	ES		458	11.15	-0.24							1.0
MESJ	HN	173	343	AML		458	12.21			4	0.5				

October 26 2012 Hour: 15:54 28.7 Lat: 37.31N Lon: 12.69W Depth: 1 Agency: IGL Regional
Magnitudes: 2.5ML 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	358	89	EP		1555	18.33	-0.21							1.0
MORF	HN	358	89	ES		1555	54.42	-0.51							1.0
MORF	HN	358	89	AML		1556	0.08			14	0.3				
MESJ	HZ	400	80	EP		1555	23.62	-0.01							1.0
MESJ	HN	400	80	ES		1556	4.11	0.38							1.0
MESJ	HN	400	80	AML		1556	11.81			17	0.4				
ALMR	HZ	415	59	EP		1555	25.89	0.37							1.0

**October 26 2012 Hour: 22:48 8.0 Lat: 34.93N Lon: 5.84W Depth: 13F 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	365	317	EP		2248	57.42	-0.14							1.0
MESJ	HZ	387	327	EP		2249	0.35	0.14							1.0
MESJ	HN	387	327	AML		2249	41.62			7	0.5				

**October 27 2012 Hour: 9:32 30.1 Lat: 9.90N Lon: 57.10E Depth: 10F Agency: IGL Distant
Magnitudes: 4.9MB IGL Rms: 0.0 secs**

CARLSBERG RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7183	307	EP		943	7.42	0.02							1.0
MESJ	BZ	7183	307	AMB		943	9.18			29	1.8				
MORF	BZ	7213	307	EP		943	9.22	-0.02							1.0

**October 27 2012 Hour: 10:19 4.2 Lat: 37.10N Lon: 4.31W Depth: 10F Agency: IGL Regional
Magnitudes: 2.4ML 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	356	285	EP		1019	52.89	0.04							1.0
MESJ	HN	356	285	ES		1020	28.29	-0.05							1.0
MESJ	HN	356	285	AML		1020	30.71			5	0.5				
MORF	HZ	386	275	EP		1019	56.59	-0.08							1.0
MORF	HN	386	275	ES		1020	35.05	0.09							1.0
MORF	HN	386	275	AML		1020	40.08			32	0.3				

**October 27 2012 Hour: 18:53 9.2 Lat: 38.29N Lon: 8.75W Depth: 11F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs**

N MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	68	137	EP		1853	20.17	-0.12							1.0
MESJ	HE	68	137	ES		1853	28.48	0.10							1.0
MESJ	HN	68	137	AML		1853	31.17			38	0.2				
MORF	HE	110	175	ES		1853	39.23	0.02							1.0
MORF	HN	110	175	AML		1853	41.51			97	0.4				

**October 28 2012 Hour: 3:4 10.7 Lat: 52.77N Lon: 131.93W Depth: 18F Agency: IGL Distant
Magnitudes: 7.7MS IGL Rms: 0.2 secs**

QUEEN CHARLOTTE ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ	8457	42	EP		315	57.47	0.31							1.0
ALMR	BZ	8457	42	AMS		348	56.64			401000	14.3				
GGNV	BZ	8472	43	EP		315	58.04	0.09							1.0
GGNV	BZ	8472	43	AMS		347	47.27			346000	23.3				
MESJ	BZ	8598	42	EP		316	4.23	-0.12							1.0
MESJ	BZ	8598	42	AMS		349	16.09			406000	16.9				
MORF	BZ	8628	43	EP		316	5.69	-0.28							1.0
MORF	BZ	8628	43	AMS		349	9.61			245000	16.9				

**October 28 2012 Hour: 11:25 5.2 Lat: 38.19N Lon: 9.45W Depth: 1 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
MESJ	HZ	115	109	EP		1125	23.55	-0.15							1.0
MESJ	HE	115	109	ES		1125	37.52	0.30							1.0
MESJ	HN	115	109	AML		1125	39.71			9	0.3				
MORF	HZ	121	144	EP		1125	24.51	-0.15							1.0

October 28 2012 Hour: 15:53 7.7 Lat: 38.11N Lon: 8.50W Depth: 6F Agency: IGL Regional
Magnitudes: 0.9ML 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	39	141	EP		1553	13.87	-0.13							1.0
MESJ	HN	39	141	ES		1553	18.60	-0.03							1.0
MESJ	HN	39	141	AML		1553	19.42			11	0.2				
MORF	HZ	90	189	EP		1553	22.41	0.17							1.0

October 28 2012 Hour: 18:54 22.1 Lat: 52.63N Lon: 132.70W Depth: 8F Agency: IGL Distant
Magnitudes: 5.7MB IGL Rms: 0.0 secs

QUEEN CHARLOTTE ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ	8503	41	EP		19 6	12.64	0.07							1.0
ALMR	BZ	8503	41	AMb		19 6	17.30			118	1.0				
ALMR	BE	8503	41	ES		1915	59.22	-0.01							1.0
GGNV	BZ	8519	42	EP		19 6	13.39	0.02							1.0
GGNV	BZ	8519	42	AMb		19 6	16.25			88	1.0				
GGNV	BN	8519	42	ES		1916	0.80	0.02							1.0
MESJ	BZ	8644	42	EP		19 6	19.75	0.01							1.0
MESJ	BZ	8644	42	AMb		19 6	27.84			98	1.6				
MESJ	BE	8644	42	ES		1916	13.08	-0.01							1.0
MORF	BZ	8675	42	EP		19 6	21.36	0.00							1.0
MORF	BZ	8675	42	AMb		19 6	30.07			180	1.6				
MORF	BN	8675	42	ES		1916	16.13	-0.10							1.0

October 28 2012 Hour: 19:36 27.2 Lat: 38.49N Lon: 7.83W Depth: 0 Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

SE EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	80	205	EP		1936	40.12	0.05							1.0
MESJ	HN	80	205	ES		1936	49.50	0.03							1.0
MESJ	HN	80	205	AML		1936	51.68			9	0.1				
ALMR	HZ	98	319	EP		1936	42.93	-0.09							1.0
ALMR	HN	98	319	ES		1936	54.65	0.06							1.0
ALMR	HN	98	319	AML		1936	57.92			21	0.2				
MORF	HZ	150	209	EP		1936	51.10	-0.12							1.0
MORF	HE	150	209	ES		1937	8.83	0.06							1.0
MORF	HN	150	209	AML		1937	12.09			6	0.2				

October 28 2012 Hour: 20:43 44.7 Lat: 36.57N Lon: 4.38W Depth: 84F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	368	294	EP		2044	32.67	-0.04							1.0
MESJ	HN	368	294	ES		2045	7.74	0.00							1.0
MESJ	HN	368	294	AML		2045	10.18			38	0.3				
MORF	HZ	389	283	EP		2044	35.22	0.09							1.0
MORF	HE	389	283	ES		2045	11.89	-0.05							1.0
MORF	HN	389	283	AML		2045	15.48			54	0.2				

October 28 2012 Hour: 22:55 52.7 Lat: 36.45N Lon: 3.20W Depth: 7F Agency: IGL Regional
Magnitudes: 1.9ML 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	472	291	EP		2256	55.96	-0.02							1.0
MESJ	HE	472	291	ES		2257	42.16	0.02							1.0
MESJ	HN	472	291	AML		2257	46.22			3	0.3				

October 29 2012 Hour: 14:25 22.0 Lat: 37.10N Lon: 13.02W Depth: 30F Agency: IGL Regional
Magnitudes: 2.2ML 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
MORF	HZ	389	85	EP		1426	13.39	0.22							1.0
MORF	HE	389	85	ES		1426	50.18	-0.33							1.0
MORF	HN	389	85	AML		1426	54.02			7	0.3				
MESJ	HZ	433	78	EP		1426	18.65	0.19							1.0
MESJ	HE	433	78	ES		1426	59.57	-0.08							1.0
MESJ	HN	433	78	AML		1427	4.26			6	0.3				

October 29 2012 Hour: 14:43 47.4 Lat: 37.17N Lon: 12.91W Depth: 10F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	378	86	EP		1444	38.87	0.04							1.0
MESJ	HN	421	78	ES		1445	25.52	-0.04							1.0
MESJ	HN	421	78	AML		1445	31.57			4	0.4				

October 29 2012 Hour: 15:52 16.1 Lat: 37.32N Lon: 12.75W Depth: 4F Agency: IGL Regional
Magnitudes: 2.3ML 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	363	89	EP		1553	6.16	-0.19							1.0
MESJ	HZ	404	80	EP		1553	11.63	0.24							1.0
MESJ	HN	404	80	ES		1553	51.69	-0.04							1.0
MESJ	HN	404	80	AML		1553	59.13			8	0.1				

October 29 2012 Hour: 18:22 44.7 Lat: 37.20N Lon: 13.00W Depth: 32F Agency: IGL Regional
Magnitudes: 2.8ML 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	386	87	EP		1823	35.54	0.14							1.0
MORF	HN	386	87	ES		1824	12.00	-0.39							1.0
MORF	HN	386	87	AML		1824	18.09			23	0.3				
MESJ	HZ	428	79	EP		1823	40.52	0.00							1.0
MESJ	HN	428	79	ES		1824	21.18	-0.06							1.0
MESJ	HN	428	79	AML		1824	26.52			18	0.2				
ALMR	HE	444	59	ES		1824	24.89	0.33							1.0
ALMR	HE	444	59	AML		1824	30.65			40	0.4				

October 29 2012 Hour: 20: 5 37.2 Lat: 37.31N Lon: 12.90W 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	377	89	EP		20 6	29.37	0.06							1.0
MESJ	HZ	418	80	EP		20 6	34.52	0.16							1.0
MESJ	HN	418	80	ES		20 7	15.89	-0.22							1.0
MESJ	HN	418	80	AML		20 7	22.60			3	0.1				

October 30 2012 Hour: 1:20 0.6 Lat: 37.32N Lon: 8.55W Depth: 14F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	260	EP		120	3.12	-0.22							1.0
MORF	HE	9	260	ES		120	5.42	0.08							1.0
MORF	HN	9	260	AML		120	6.36			390	0.1				
MESJ	HZ	65	27	EP		120	11.16	0.09							1.0
MESJ	HN	65	27	ES		120	18.77	0.05							1.0
MESJ	HN	65	27	AML		120	21.42			54	0.3				

October 30 2012 Hour: 2:49 3.1 Lat: 52.32N Lon: 131.91W Depth: 10F Agency: IGL Distant
Magnitudes: 5.8MB IGL Rms: 0.1 secs

QUEEN CHARLOTTE ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	BZ	8493	42	EP		3 0	52.76	-0.03							1.0
ALMR	BZ	8493	42	AMb		3 1	2.02			175	0.3				
ALMR	BN	8493	42	ES		310	38.79	0.04							1.0
GGNV	BZ	8508	43	EP		3 0	53.65	0.10							1.0
GGNV	BZ	8508	43	AMb		3 1	2.80			306	3.4				
GGNV	BN	8508	43	ES		310	40.24	0.01							1.0
MESJ	BZ	8633	42	EP		3 0	59.91	-0.03							1.0
MESJ	BZ	8633	42	AMb		3 1	8.57			63	1.9				
MESJ	BN	8633	42	ES		310	52.54	-0.03							1.0
MORF	BZ	8664	43	EP		3 1	1.44	-0.09							1.0
MORF	BZ	8664	43	AMb		3 1	10.76			158	2.5				
MORF	BN	8664	43	ES		310	55.69	0.04							1.0

October 31 2012 Hour: 7:14 13.8 Lat: 36.83N Lon: 8.72W Depth: 23F 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	53	7	EP		714	23.03	0.10							1.0
MESJ	HZ	120	21	EP		714	31.88	-0.19							1.0
MESJ	HN	120	21	ES		714	45.47	0.08							1.0
MESJ	HN	120	21	AML		714	47.22			4	0.1				

October 31 2012 Hour: 21: 7 31.4 Lat: 37.52N Lon: 12.50W Depth: 0 Agency: IGL Regional
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	342	93	EP		21 8	19.13	-0.16							1.0
MESJ	HZ	379	83	EP		21 8	24.10	0.17							1.0

October 31 2012 Hour: 21:22 51.9 Lat: 37.25N Lon: 12.72W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	361	88	EP		2123	42.17	-0.04							1.0
MORF	HN	361	88	ES		2124	18.96	0.02							1.0
MORF	HN	361	88	AML		2124	25.08			6	0.3				
MESJ	HZ	403	79	EP		2123	47.44	0.04							1.0
MESJ	HN	403	79	ES		2124	27.89	-0.02							1.0
MESJ	HN	403	79	AML		2124	34.94			3	0.4				

October 31 2012 Hour: 21:35 39.6 Lat: 37.25N Lon: 12.75W Depth: 0 Agency: IGL Regional
Magnitudes: 2.8ML 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	363	88	EP		2136	30.02	-0.17							1.0
MORF	HE	363	88	ES		2137	7.04	-0.10							1.0
MORF	HE	363	88	AML		2137	10.50			21	0.3				
MESJ	HZ	405	79	EP		2136	35.34	-0.03							1.0
MESJ	HN	405	79	ES		2137	16.25	0.13							1.0
MESJ	HN	405	79	AML		2137	22.88			32	0.3				
ALMR	HZ	422	59	EP		2136	37.63	0.19							1.0

October 31 2012 Hour: 23: 0 24.2 Lat: 37.13N Lon: 12.72W Depth: 1 Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	361	86	EP		23 1	14.43	0.04							1.0
MESJ	HN	405	77	ES		23 2	0.41	-0.04							1.0
MESJ	HN	405	77	AML		23 2	5.62			2	0.3				

October 31 2012 Hour: 23:27 25.0 Lat: 37.18N Lon: 12.74W Depth: 1 Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	363	87	EP		2328	15.29	-0.13							1.0
MESJ	HZ	406	78	EP		2328	20.97	0.22							1.0
MESJ	HE	406	78	ES		2329	1.34	-0.08							1.0
MESJ	HN	406	78	AML		2329	7.83			2	0.4				