

# Seismological Bulletin

from the

UNIVERSITY OF LISBON

## IDL Seismic Network

January to February

2013

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Portugal

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IDL.UL.PT

## STATIONS USED

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

Lisboa (IGIDL)  
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Almeirim (Fazendas)  
ALMR

Latitude	39.1554N
Longitude	8.5768W
Height	165m

Marmelete (Picos)  
MORF

Latitude	37.3063N
Longitude	8.6508W
Height	650m

Messejana  
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

**January 1 2013 Hour: 5:45 17.5 Lat: 38.83N Lon: 7.97W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.2 secs**

**NE ARRAIOLOS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	HZ	64	305	EP		545	27.85	-0.10							1.0
ALMR	HN	64	305	ES		545	35.49	-0.10							1.0
ALMR	HE	64	305	AML		545	38.22			12	0.3				
MESJ	HZ	112	191	EP		545	35.25	0.30							1.0
MESJ	HN	112	191	ES		545	47.61	-0.08							1.0
MESJ	HN	112	191	AML		545	49.05			3	0.1				

**January 1 2013 Hour: 14: 8 11.1 Lat: 37.08N Lon: 12.99W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	386	85	EP		14 9	3.12	-0.01							1.0
MORF	HN	386	85	ES		14 9	41.07	-0.05							1.0
MORF	HN	386	85	AML		14 9	48.11			6	0.3				
MESJ	HZ	430	77	EP		14 9	8.56	0.02							1.0
MESJ	HN	430	77	ES		14 9	50.57	0.08							1.0
MESJ	HN	430	77	AML		14 9	55.51			4	0.5				
ALMR	HZ	450	58	EP		14 9	11.03	0.06							1.0
ALMR	HN	450	58	ES		14 9	54.59	-0.09							1.0
ALMR	HN	450	58	AML		1410	0.37			12	0.7				

**January 1 2013 Hour: 15:28 29.0 Lat: 42.82N Lon: 7.26W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 3.2ML IGL Rms: 0.3 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	HZ	422	196	EP		1529	27.15	0.28							1.0
MESJ	HZ	559	189	EP		1529	44.11	0.58							0.9
MESJ	HN	559	189	ES		1530	38.02	0.09							0.9
MESJ	HN	559	189	ESg		1531	4.92	-0.08							0.9
MESJ	HN	559	189	AML		1531	13.85			39	1.1				
MORF	HZ	624	191	EP		1529	51.97	0.58							0.9
MORF	HN	624	191	ES		1530	51.50	-0.03							0.9
MORF	HN	624	191	AML		1531	32.13			32	0.9				

**January 1 2013 Hour: 16:50 21.1 Lat: 37.34N Lon: 8.56W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 0.6ML IGL Rms: 0.1 secs**

**N MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	245	EP		1650	23.74	-0.10							1.0
MORF	HN	9	245	ES		1650	25.88	0.05							1.0
MORF	HN	9	245	AML		1650	26.53			37	0.1				
MESJ	HZ	63	28	EP		1650	31.34	-0.01							1.0
MESJ	HE	63	28	ES		1650	38.90	0.07							1.0
MESJ	HE	63	28	AML		1650	41.10			2	0.2				

**January 1 2013 Hour: 23:58 50.6 Lat: 39.72N Lon: 13.44W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.2 secs**

**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	HN	423	97	ES		24 0	29.49	0.22							1.0
ALMR	HN	423	97	AML		24 0	34.88			7	0.3				
MORF	HZ	496	121	EP		2359	56.33	-0.18							1.0
MESJ	HZ	499	113	EP		2359	56.89	0.04							1.0
MESJ	HE	499	113	ES		24 0	45.09	-0.09							1.0
MESJ	HN	499	113	AML		24 0	50.87			4	0.2				

**January 2 2013 Hour: 0:14 27.9 Lat: 37.31N Lon: 14.37W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.5ML 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	507	88	EP		015	36.01	-0.04							1.0
MORF	HE	507	88	ES		016	25.82	0.02							1.0
MORF	HN	507	88	AML		016	30.86			9	0.3				
MESJ	HZ	546	82	EP		015	40.84	0.04							1.0
MESJ	HN	546	82	ES		016	34.01	-0.01							1.0
MESJ	HN	546	82	AML		016	41.31			6	0.4				

**January 2 2013 Hour: 9:45 35.3 Lat: 39.02N Lon: 10.33W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.1 secs**

**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	226	125	EP		946	7.40	-0.09							1.0
MESJ	HN	226	125	ES		946	31.11	0.09							1.0
MESJ	HN	226	125	AML		946	34.42			2	0.4				

**January 2 2013 Hour: 11:11 50.2 Lat: 37.33N Lon: 8.55W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.1 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	254	EP		1111	53.00	-0.05							1.0
MORF	HN	9	254	ES		1111	55.21	0.05							1.0
MORF	HN	9	254	AML		1111	55.63			131	0.3				
MESJ	HZ	64	27	EP		1112	0.58	0.09							1.0
MESJ	HN	64	27	ES		1112	7.95	-0.09							1.0
MESJ	HN	64	27	AML		1112	8.87			5	0.3				

**January 2 2013 Hour: 12: 8 59.6 Lat: 38.04N Lon: 3.25W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.3 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HE	437	269	ES		1210	43.26	0.28							1.0
MESJ	HN	437	269	ESg		1211	1.35	-0.28							1.0
MESJ	HE	437	269	AML		1211	6.46			4	0.3				

**January 2 2013 Hour: 12:37 8.8 Lat: 38.33N Lon: 9.03W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.1 secs**

**SW SESIMBRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	90	127	EP		1237	23.27	0.10							1.0
MESJ	HN	90	127	ES		1237	33.55	-0.10							1.0
MESJ	HN	90	127	AML		1237	36.67			3	0.4				

**January 2 2013 Hour: 21: 1 12.7 Lat: 36.71N Lon: 10.83W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	205	71	EP		21 1	43.58	-0.06							1.0
MORF	HE	205	71	ES		21 2	6.21	-0.02							1.0
MORF	HN	205	71	AML		21 2	8.92			11	0.2				
MESJ	HZ	263	61	EP		21 1	50.81	-0.04							1.0
MESJ	HN	263	61	ES		21 2	18.82	0.12							1.0
MESJ	HN	263	61	AML		21 2	24.90			3	0.1				

January 3 2013 Hour: 0:54 8.9 Lat: 37.35N Lon: 9.12W Depth: 27F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.0 secs

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	42	97	EP		054	16.62	-0.02							1.0
MORF	HE	42	97	ES		054	22.30	0.02							1.0
MORF	HN	42	97	AML		054	23.27			9	0.2				

January 3 2013 Hour: 1:57 54.6 Lat: 37.28N Lon: 9.04W Depth: 28F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.2 secs

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	35	85	EP		158	1.35	-0.12							1.0
MORF	HE	35	85	ES		158	6.66	0.15							1.0
MORF	HN	35	85	AML		158	7.64			31	0.1				
MESJ	HZ	95	49	EP		158	9.06	-0.31							1.0
MESJ	HE	95	49	ES		158	20.46	0.28							1.0
MESJ	HE	95	49	AML		158	21.75			3	0.2				

January 3 2013 Hour: 16:35 24.5 Lat: 35.51N Lon: 0.96W Depth: 0 Agency: IGL Regional  
Magnitudes: 2.6ML IGL Rms: 0.0 secs

ALGERIA Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	698	294	EP		1636	55.80	0.00							1.0
MESJ	HN	698	294	ES		1638	2.48	0.00							1.0
MESJ	HN	698	294	AML		1638	6.80			6	0.7				

January 4 2013 Hour: 15:30 36.2 Lat: 38.10N Lon: 8.19W Depth: 1 Agency: IGL Regional  
Magnitudes: 0.4ML IGL Rms: 0.0 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	29	185	EP		1530	40.86	-0.03							1.0
MESJ	HE	29	185	ES		1530	44.34	0.03							1.0
MESJ	HE	29	185	AML		1530	44.95			5	0.2				

January 5 2013 Hour: 5:2 33.3 Lat: 36.50N Lon: 7.24W Depth: 31F Agency: IGL Regional  
Magnitudes: 1.2ML 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
MESJ	HZ	172	330	EP		5	2	57.64	0.17						1.0
MESJ	HE	172	330	ES		5	3	14.93	-0.17						1.0
MESJ	HE	172	330	AML		5	3	17.85		2	0.1				

January 5 2013 Hour: 8:58 23.6 Lat: 55.37N Lon: 134.62W Depth: 10F Agency: IGL Distant  
Magnitudes: 8.3MS IGL Rms: 0.2 secs

SOUTHEASTERN ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	HZ	8355	41	EP		910	6.42	0.24							1.0
ALMR	HN	8355	41	ES		919	45.67	0.14							1.0
ALMR	HE	8355	41	ESS		924	36.45	-0.18							1.0
ALMR	HZ	8355	41	AMS		939	48.99		1844000		17.5				
GGNV	BZ	8373	41	EP		910	7.17	0.01							1.0
GGNV	BN	8373	41	ES		919	47.20	-0.22							1.0
GGNV	BZ	8373	41	AMS		939	50.85		1628000		19.9				
MESJ	BZ	8498	41	EP		910	13.67	0.09							1.0
MESJ	BN	8498	41	ES		919	59.93	0.13							1.0
MESJ	BZ	8498	41	AMS		940	47.01		1762000		24.4				
MORF	BZ	8532	42	EP		910	15.18	-0.20							1.0
MORF	BN	8532	42	ES		920	3.26	-0.01							1.0
MORF	BZ	8532	42	AMS		940	42.75		908000		24.8				

**January 5 2013 Hour: 19:055.8 Lat: 36.86N Lon: 11.08W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.2 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	222	76	EP		19	1	26.25							1.0
MORF	HE	222	76	ES		19	1	48.16							1.0
MORF	HN	222	76	AML		19	1	52.07		12	0.1				
MESJ	HZ	276	66	EP		19	1	32.96							1.0
MESJ	HN	276	66	ES		19	1	59.96							1.0
MESJ	HE	276	66	AML		19	2	3.43		4	0.2				
ALMR	HZ	337	40	EP		19	1	40.03							0.9
ALMR	HN	337	40	ES		19	2	12.90							0.9
ALMR	HN	337	40	AML		19	2	16.61		11	0.2				

**January 5 2013 Hour: 23:26 15.4 Lat: 42.99N Lon: 0.23W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 3.1ML IGL Rms: 0.2 secs**

**PYRENEES Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	HZ	820	242	EP		2328		1.02							1.0
ALMR	HN	820	242	ES		2329		18.26							1.0
ALMR	HN	820	242	AML		2329		21.27		14	0.4				
MESJ	HZ	886	233	EP		2328		8.98							1.0
MESJ	HN	886	233	ES		2329		31.54							1.0
MESJ	HN	886	233	AML		2329		39.54		9	0.7				
MORF	HZ	954	231	EP		2328		16.87							0.9
MORF	HE	954	231	ES		2329		46.00							0.9
MORF	HN	954	231	AML		2329		56.66		15	0.2				

**January 5 2013 Hour: 23:28 55.0 Lat: 36.88N Lon: 8.44W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	51	338	EP		2329		3.28							1.0
MORF	HN	51	338	ES		2329		9.62							1.0
MORF	HN	51	338	AML		2329		11.86		10	0.2				
MESJ	HE	108	10	ES		2329		24.61							1.0
MESJ	HE	108	10	AML		2329		26.31		2	0.3				

**January 6 2013 Hour: 6:28 27.9 Lat: 36.39N Lon: 8.13W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.2 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	336	EP		628		45.34							1.0
MESJ	HZ	161	357	EP		628		51.83							1.0
MESJ	HE	161	357	ES		629		9.00							1.0
MESJ	HN	161	357	AML		629		10.47		3	0.2				

**January 6 2013 Hour: 18:54 16.0 Lat: 37.40N Lon: 8.53W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.1 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	226	EP		1854		20.03							1.0
MORF	HN	15	226	ES		1854		22.99							1.0
MORF	HN	15	226	AML		1854		23.82		69	0.1				
MESJ	HZ	56	29	EP		1854		25.59							1.0
MESJ	HN	56	29	ES		1854		32.13							1.0
MESJ	HE	56	29	AML		1854		32.60		32	0.2				

January 7 2013 Hour: 7: 6 7.0 Lat: 36.72N Lon: 7.37W Depth: 16F Agency: IGL Regional  
Magnitudes: 0.8ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	145	329	EP		7 6	28.90	0.01							1.0
MESJ	HN	145	329	ES		7 6	44.90	-0.01							1.0
MESJ	HN	145	329	AML		7 6	46.54			1	0.2				

January 7 2013 Hour: 16: 4 31.8 Lat: 36.68N Lon: 7.66W Depth: 21F Agency: IGL Regional  
Magnitudes: 2.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	309	EP		16 4	49.17	-0.09							1.0
MESJ	HZ	138	339	EP		16 4	52.50	0.09							1.0
MESJ	HE	138	339	ES		16 5	7.44	0.00							1.0
MESJ	HE	138	339	AML		16 5	9.76			32	0.2				

January 7 2013 Hour: 23:36 3.7 Lat: 36.30N Lon: 8.20W Depth: 14F 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	119	340	EP		2336	22.14	-0.21							1.0
MORF	HE	119	340	ES		2336	36.10	0.11							1.0
MORF	HN	119	340	AML		2336	38.20			24	0.1				
MESJ	HZ	171	359	EP		2336	29.01	0.06							1.0
MESJ	HE	171	359	ES		2336	47.44	0.04							1.0
MESJ	HE	171	359	AML		2336	48.82			9	0.1				

January 8 2013 Hour: 5: 3 33.7 Lat: 36.70N Lon: 7.60W Depth: 22F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	138	337	EP		5 3	54.12	-0.09							1.0
MESJ	HN	138	337	ES		5 4	9.27	0.09							1.0
MESJ	HN	138	337	AML		5 4	11.43			2	0.2				

January 8 2013 Hour: 14:16 8.2 Lat: 39.66N Lon: 25.54E Depth: 10F Agency: IGL Distant  
Magnitudes: 5.5MS IGL Rms: 0.1 secs

AEGEAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	HZ	2921	280	EP		1421	43.71	-0.03							1.0
ALMR	HN	2921	280	ES		1426	17.68	0.34							0.9
ALMR	HN	2921	280	AMS		1433	57.18			13809	18.4				
MESJ	BZ	2925	277	EP		1421	44.00	-0.04							1.0
MESJ	BE	2925	277	ES		1426	17.90	0.04							1.0
MESJ	BN	2925	277	AMS		1433	29.88			11779	17.7				
MORF	BZ	2977	276	EP		1421	48.26	-0.07							1.0
MORF	BE	2977	276	ES		1426	25.33	-0.03							1.0
MORF	BN	2977	276	AMS		1433	37.67			9004	19.4				
GGNV	BZ	2980	279	EP		1421	48.39	-0.14							1.0
GGNV	BE	2980	279	ES		1426	25.72	0.00							1.0
GGNV	BN	2980	279	AMS		1434	13.83			16892	16.7				

January 9 2013 Hour: 1:41 52.9 Lat: 25.32N Lon: 95.02E Depth: 90F Agency: IGL Distant  
Magnitudes: 5.6MB IGL Rms: 0.1 secs

MYANMAR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	HZ	9361	311	EP		154	14.45	0.22							1.0
ALMR	HZ	9361	311	AMb		154	16.98			119	1.2				
MESJ	BZ	9402	309	EP		154	16.15	0.04							1.0
MESJ	BZ	9402	309	AMb		154	19.21			160	1.4				
GGNV	BZ	9428	310	EP		154	17.16	-0.09							1.0
GGNV	BZ	9428	310	AMb		154	20.66			142	2.0				

MORF BZ 9463 309 EP	154 18.77-0.17																		1.0
MORF BZ 9463 309 AMb	154 22.94									154	1.5								
MORF BE 9463 309 ESS	210 17.12 0.01																		1.0

**January 9 2013 Hour: 4:58 53.8 Lat: 36.66N Lon: 7.53W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	123	306	ES		459	25.79	-0.04							1.0
MORF	HN	123	306	AML		459	28.60			3	0.5				
MESJ	HZ	145	335	EP		459	14.92	-0.05							1.0
MESJ	HN	145	335	ES		459	30.52	0.10							1.0
MESJ	HE	145	335	AML		459	34.28			2	0.4				

**January 9 2013 Hour: 7:27 50.3 Lat: 37.10N Lon: 2.49W Depth: 4F Agency: IGL Regional**  
**Magnitudes: 3.1ML IGL Rms: 0.2 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HN	513	281	ES		729	48.61	-0.23							1.0
MESJ	HN	513	281	AML		730	20.33			24	0.8				
MORF	HN	547	274	ES		729	56.17	0.17							1.0
MORF	HN	547	274	AML		730	1.86			27	0.5				
ALMR	HZ	580	295	EP		729	6.76	-0.15							1.0
ALMR	HN	580	295	ES		730	3.06	0.22							1.0
ALMR	HN	580	295	AML		730	6.41			45	0.7				

**January 9 2013 Hour: 7:44 19.9 Lat: 29.75N Lon: 81.74E Depth: 34F Agency: IGL Distant**  
**Magnitudes: 5.0MB IGL Rms: 0.0 secs**

**NEPAL Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8055	304	EP		755	42.92	0.00							1.0
MESJ	BZ	8055	304	AMb		755	49.27			38	1.5				

**January 9 2013 Hour: 18:38 42.2 Lat: 17.88S Lon: 69.42W Depth: 79F Agency: IGL Distant**  
**Magnitudes: 4.9MB 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	8819	45	EP		1850	38.96	-0.13							1.0
MORF	BZ	8819	45	AMb		1850	44.96			57	1.8				
MESJ	BZ	8882	45	EP		1850	42.26	0.13							1.0
MESJ	BZ	8882	45	AMb		1850	47.68			29	2.1				

**January 9 2013 Hour: 23:27 28.2 Lat: 37.49N Lon: 3.74W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 3.7ML IGL Rms: 0.2 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	397	277	EP		2328	23.06	0.26							1.0
MESJ	HE	397	277	ES		2329	2.40	-0.28							1.0
MESJ	HN	397	277	AML		2329	27.96			134	0.7				
MORF	HZ	435	269	EP		2328	27.41	-0.14							1.0
MORF	HE	435	269	ES		2329	10.91	0.01							1.0
MORF	HN	435	269	AML		2329	40.46			401	0.3				
ALMR	HZ	461	295	EP		2328	30.81	0.12							1.0
ALMR	HN	461	295	ES		2329	16.35	0.04							1.0
ALMR	HE	461	295	ES		2329	16.44								
ALMR	HN	461	295	AML		2329	18.46			100	0.7				

**January 10 2013 Hour: 14:44 27.4 Lat: 36.46N Lon: 9.73W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	134	45	EP		1444	48.07	-0.11							1.0
MORF	HN	134	45	ES		1445	3.39	0.03							1.0
MORF	HN	134	45	AML		1445	4.69			10	0.2				



MESJ HZ	204	41	EP	1444	56.73	0.00											1.0
MESJ HN	204	41	ES	1445	18.24	0.09											1.0
MESJ HN	204	41	AML	1445	21.15								5				

**January 10 2013 Hour: 22:42 27.6 Lat: 37.30N Lon: 8.62W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL Rms: 0.2 secs**

**SW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		3	284	EP		2242	29.36	-0.19							1.0
MORF HN		3	284	ES		2242	31.16	0.21							1.0
MORF HN		3	284	AML		2242	31.75			50	0.2				
MESJ HZ		70	30	EP		2242	38.96	0.06							1.0
MESJ HN		70	30	ES		2242	47.03	-0.09							1.0
MESJ HN		70	30	AML		2242	49.90			3	0.3				

**January 11 2013 Hour: 18:53 27.5 Lat: 36.06N Lon: 8.71W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		138	2	EP		1853	49.32	-0.04							1.0
MORF HE		138	2	ES		1854	5.39	0.07							1.0
MORF HN		138	2	AML		1854	9.31			33	0.2				
MESJ HZ		202	12	EP		1853	57.24	-0.02							1.0
MESJ HN		202	12	ES		1854	18.97	-0.02							1.0
MESJ HN		202	12	AML		1854	22.44			12	0.1				

**January 11 2013 Hour: 20:11 48.2 Lat: 37.37N Lon: 12.71W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 3.1ML 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		359	90	EP		2012	38.07	-0.30							1.0
MORF HN		359	90	ES		2013	15.23	0.25							1.0
MORF HN		359	90	AML		2013	23.49			62					
MESJ HZ		400	81	EP		2012	43.22	-0.11							1.0
MESJ HE		400	81	ES		2013	23.57	0.01							1.0
MESJ HN		400	81	AML		2013	30.92			47	0.4				
ALMR HZ		412	60	EP		2012	45.07	0.16							1.0

**January 12 2013 Hour: 3:25 5.5 Lat: 31.85N Lon: 50.96E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.2MB IGL Rms: 0.1 secs**

**WESTERN IRAN Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ		5365	294	EP		333	46.51	0.04							1.0
MESJ BZ		5365	294	AMb		333	49.53			47	1.7				
ALMR HZ		5368	296	EP		333	46.45	-0.16							1.0
ALMR HZ		5368	296	AMb		333	47.94			88	1.0				
MORF BZ		5415	294	EP		333	50.07	0.11							1.0
MORF BZ		5415	294	AMb		333	53.77			35	1.8				

**January 12 2013 Hour: 5:27 27.0 Lat: 37.74N Lon: 2.14W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 5.2MB 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		535	273	EP		528	37.59	0.04							1.0
MORF HZ		577	267	EP		528	42.61	-0.04							1.0

**January 12 2013 Hour: 11:55 15.6 Lat: 36.30N Lon: 9.88W Depth: 27F Agency: IGL Regional**  
**Magnitudes: 1.8ML 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		157	44	EP		1155	38.05	-0.01							1.0
MORF HE		157	44	ES		1155	54.25	-0.22							1.0
MORF HE		157	44	AML		1155	57.46			13	0.2				
MESJ HZ		226	40	EP		1155	46.56	-0.07							1.0

MESJ HN 226 40 ES 1156 9.61 0.31 1.0  
 MESJ HE 226 40 AML 1156 12.78 4 0.1

**January 12 2013 Hour: 12:57 53.6 Lat: 37.33N Lon: 8.48W Depth: 10F 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	15	260	EP		1257	56.61	-0.01							1.0
MORF	HN	15	260	ES		1257	58.79	-0.03							1.0
MORF	HN	15	260	AML		1257	59.49			62	0.1				
MESJ	HN	61	22	ES		1258	10.92	0.04							1.0
MESJ	HN	61	22	AML		1258	12.04			3	0.1				

**January 12 2013 Hour: 13: 2 39.0 Lat: 37.32N Lon: 8.50W Depth: 11F Agency: IGL Regional  
 Magnitudes: 1.9ML IGL Rms: 0.1 secs**

**E MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	264	EP		13 2	41.88	-0.03							1.0
MORF	HE	13	264	ES		13 2	44.15	0.15							1.0
MORF	HN	13	264	AML		13 2	44.77			744	0.1				
MESJ	HZ	63	23	EP		13 2	49.32	0.03							1.0
MESJ	HE	63	23	ES		13 2	56.60	-0.16							1.0
MESJ	HN	63	23	AML		13 2	57.67			31	0.2				

**January 12 2013 Hour: 21:43 37.4 Lat: 37.34N Lon: 8.48W Depth: 13F Agency: IGL Regional  
 Magnitudes: 1.1ML IGL Rms: 0.0 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	256	EP		2143	40.64	-0.04							1.0
MORF	HN	16	256	ES		2143	43.15	0.04							1.0
MORF	HN	16	256	AML		2143	43.75			53	0.2				

**January 13 2013 Hour: 16:14 26.4 Lat: 37.30N Lon: 8.56W Depth: 11F Agency: IGL Regional  
 Magnitudes: 0.8ML IGL Rms: 0.2 secs**

**SE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	275	EP		1614	28.53	-0.13							1.0
MORF	HN	8	275	ES		1614	30.37	0.05							1.0
MORF	HE	8	275	AML		1614	30.78			76	0.1				
MESJ	HZ	67	27	EP		1614	37.49	0.23							1.0
MESJ	HN	67	27	ES		1614	45.06	-0.15							1.0
MESJ	HN	67	27	AML		1614	48.13			3	0.0				

**January 13 2013 Hour: 19: 4 45.1 Lat: 36.57N Lon: 7.16W Depth: 15F Agency: IGL Regional  
 Magnitudes: 3.2ML 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	156	302	EP		19 5	8.24	-0.22							1.0
MORF	HN	156	302	ES		19 5	25.51	-0.01							1.0
MORF	HN	156	302	AML		19 5	32.34			488	0.3				
MESJ	HZ	169	327	EP		19 5	10.12	0.02							1.0
MESJ	HN	169	327	ES		19 5	28.48	0.12							1.0
MESJ	HN	169	327	AML		19 5	30.93			134	0.1				
GGNV	HN	296	324	ES		19 5	55.66	0.14							0.9
GGNV	HN	296	324	AML		19 5	58.15			137	0.4				
ALMR	HZ	313	337	EP		19 5	27.84	-0.06							0.9
ALMR	HE	313	337	ES		19 5	59.19	0.03							0.9
ALMR	HN	313	337	AML		19 6	2.35			88	0.4				

January 14 2013 Hour: 2:055.9 Lat: 36.37N Lon: 4.57W Depth: 89F Agency: IGL Regional  
Magnitudes: 2.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	363	298	EP		2	1	43.53	0.19						1.0
MESJ	HN	363	298	ES		2	2	17.82	-0.15						1.0
MESJ	HN	363	298	AML		2	2	20.55		12	0.1				
MORF	HZ	379	287	EP		2	1	45.26	0.06						1.0
MORF	HE	379	287	ES		2	2	21.12	-0.06						1.0
MORF	HN	379	287	AML		2	2	23.86		31	0.2				
ALMR	HN	469	312	ES		2	2	39.42	-0.06						0.9
ALMR	HE	469	312	AML		2	2	47.41		14	0.8				

January 14 2013 Hour: 5:59 30.8 Lat: 36.50N Lon: 8.34W Depth: 23F 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	94	343	EP		559		45.53	-0.05						1.0
MORF	HE	94	343	ES		559		56.31	-0.07						1.0
MORF	HN	94	343	AML		559		59.83		14	0.2				
MESJ	HZ	149	4	EP		559		52.71	0.13						1.0

January 15 2013 Hour: 2:13 0.4 Lat: 37.33N Lon: 8.52W Depth: 11F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	257	EP		213		2.99	-0.08						1.0
MORF	HN	12	257	ES		213		5.07	0.05						1.0
MORF	HN	12	257	AML		213		5.66		366	0.2				
MESJ	HZ	62	25	EP		213		10.63	0.04						1.0

January 15 2013 Hour: 2:54 13.9 Lat: 37.12N Lon: 13.30W Depth: 10F Agency: IGL Regional  
Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	456	78	EP		255		14.94	0.05						1.0

January 15 2013 Hour: 13:47 60.0 Lat: 37.06N Lon: 13.08W Depth: 10F Agency: IGL Regional  
Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	394	85	EP		1348		53.43	0.00						1.0
MESJ	HZ	439	77	EP		1348		58.85	0.00						1.0

January 15 2013 Hour: 14:13 40.7 Lat: 37.28N Lon: 12.72W Depth: 20F Agency: IGL Regional  
Magnitudes: 1.9ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	403	80	EP		1414		34.29	0.02						1.0
MESJ	HN	403	80	ES		1415		13.35	-0.02						1.0
MESJ	HN	403	80	AML		1415		15.45		3	0.4				

January 15 2013 Hour: 18:49 32.4 Lat: 36.90N Lon: 8.77W Depth: 28F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	46	13	EP		1849		40.91	0.11						1.0
MORF	HN	46	13	ES		1849		46.78	-0.11						1.0
MORF	HN	46	13	AML		1849		47.72		9	0.3				

**January 15 2013 Hour: 23:23 10.0 Lat: 36.23N Lon: 11.33W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	267	63	EP		2323	47.55	-0.12							1.0
MORF	HN	267	63	ES		2324	15.24	0.06							1.0
MORF	HE	267	63	AML		2324	16.90			3	0.3				
MESJ	HZ	329	56	EP		2323	55.41	0.07							1.0

**January 16 2013 Hour: 2:32 45.2 Lat: 36.08N Lon: 4.80W Depth: 82F Agency: IGL Regional**  
**Magnitudes: 2.8ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	362	304	EP		233	32.50	0.15							1.0
MESJ	HN	362	304	ES		234	6.89	0.08							1.0
MESJ	HN	362	304	AML		234	10.14			22	0.2				
MORF	HZ	370	293	EP		233	33.16	-0.20							1.0
MORF	HN	370	293	ES		234	8.48	-0.07							1.0
MORF	HN	370	293	AML		234	11.94			54	0.1				
ALMR	HN	477	317	ES		234	30.29	0.04							0.9
ALMR	HN	477	317	AML		234	33.28			9	0.2				

**January 16 2013 Hour: 3:30 26.8 Lat: 37.13N Lon: 8.94W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	32	53	EP		330	32.87	-0.15							1.0
MORF	HN	32	53	ES		330	37.54	-0.04							1.0
MORF	HN	32	53	AML		330	38.43			29	0.2				
MESJ	HZ	101	39	EP		330	42.67	0.07							1.0
MESJ	HN	101	39	ES		330	54.29	0.13							1.0
MESJ	HN	101	39	AML		330	56.70			6	0.1				

**January 16 2013 Hour: 9:28 17.1 Lat: 37.29N Lon: 8.52W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.2 secs**

**SE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	279	EP		928	19.94	-0.16							1.0
MORF	HN	12	279	ES		928	22.30	0.02							1.0
MORF	HN	12	279	AML		928	22.82			38	0.3				
MESJ	HZ	67	23	EP		928	28.11	0.24							1.0
MESJ	HN	67	23	ES		928	35.64	-0.09							1.0
MESJ	HN	67	23	AML		928	36.74			4	0.1				

**January 16 2013 Hour: 12:47 40.3 Lat: 37.32N Lon: 8.46W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL Rms: 0.2 secs**

**E MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	17	265	EP		1247	44.11	-0.22							1.0
MORF	HN	17	265	ES		1247	47.27	0.04							1.0
MORF	HN	17	265	AML		1247	47.99			9	0.2				
MESJ	HN	61	20	ES		1247	57.96	0.18							1.0
MESJ	HN	61	20	AML		1247	59.91			7	0.2				

**January 16 2013 Hour: 17:19 47.8 Lat: 39.57N Lon: 12.07W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.1 secs**

**NORTH ATLANTIC OCEAN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	386	119	EP		1720	38.45	-0.05							1.0
MESJ	HN	386	119	ES		1721	15.50	-0.03							1.0
MESJ	HN	386	119	AML		1721	20.34			12	0.2				
MORF	HZ	390	129	EP		1720	39.13	0.09							1.0
MORF	HN	390	129	ES		1721	16.45	-0.01							1.0

MORF HN 390 129 AML 1721 19.65 25 0.4

**January 16 2013 Hour: 18:14 54.0 Lat: 37.32N Lon: 8.62W Depth: 13F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.2 secs**

**W MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	241	EP		1814	55.98	-0.30							1.0
MORF	HN	3	241	ES		1814	58.08	0.17							1.0
MORF	HN	3	241	AML		1814	58.55		25	0.2					
MESJ	HZ	68	31	EP		1815	4.89	-0.08							1.0
MESJ	HN	68	31	ES		1815	13.17	0.22							1.0
MESJ	HN	68	31	AML		1815	14.92		4	0.4					

**January 16 2013 Hour: 23:39 51.9 Lat: 37.32N Lon: 8.49W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.6ML 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	14	264	EP		2339	55.17	-0.10							1.0
MORF	HN	14	264	ES		2339	57.80	0.07							1.0
MORF	HN	14	264	AML		2339	58.27		400	0.4					
MESJ	HZ	62	22	EP		2340	2.18	0.13							1.0
MESJ	HE	62	22	ES		2340	9.36	-0.10							1.0
MESJ	HN	62	22	AML		2340	12.02		9	0.2					

**January 17 2013 Hour: 10:33 55.5 Lat: 36.78N Lon: 9.67W Depth: 15F Agency: IGL Regional  
Magnitudes: 2.4ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	108	57	EP		1034	12.70	0.15							1.0
MORF	HE	108	57	ES		1034	24.91	-0.09							1.0
MORF	HN	108	57	AML		1034	27.90		99	0.3					
MESJ	HZ	174	47	EP		1034	21.07	-0.05							1.0
MESJ	HN	174	47	ES		1034	39.83	0.02							1.0
MESJ	HE	174	47	AML		1034	41.11		21	0.1					
ALMR	HE	281	20	ES		1035	2.63	-0.04							0.9
ALMR	HN	281	20	AML		1035	6.01		36	0.1					

**January 17 2013 Hour: 13:45 39.2 Lat: 35.51N Lon: 1.38W Depth: 22F Agency: IGL Regional  
Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	664	295	EP		1347	4.36	0.06							1.0
MORF	HZ	682	289	EP		1347	6.46	-0.06							1.0

**January 17 2013 Hour: 17:32 35.4 Lat: 36.18N Lon: 10.36W Depth: 25F Agency: IGL Regional  
Magnitudes: 2.2ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	197	50	EP		1733	3.12	0.05							1.0
MORF	HN	197	50	ES		1733	23.29	0.01							1.0
MORF	HN	197	50	AML		1733	26.61		35	0.3					
MESJ	HZ	265	45	EP		1733	11.31	-0.13							1.0
MESJ	HN	265	45	ES		1733	37.81	0.05							1.0
MESJ	HE	265	45	AML		1733	40.52		9	0.2					

**January 17 2013 Hour: 22:24 22.0 Lat: 37.20N Lon: 7.44W Depth: 1 Agency: IGL Regional  
Magnitudes: 2.2ML IGL Rms: 0.2 secs**

**S CASTRO MARIM, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	99	316	EP		2224	37.77	-0.20							1.0
MESJ	HN	99	316	ES		2224	49.49	-0.14							1.0
MESJ	HN	99	316	AML		2224	51.31		39	0.3					
MORF	HZ	108	277	EP		2224	39.65	0.21							1.0
MORF	HE	108	277	ES		2224	52.31	0.14							1.0

MORF HN 108 277 AML 2224 54.52 91 0.3

**January 17 2013 Hour: 23:58 46.1 Lat: 35.47N Lon: 9.63W Depth: 32F Agency: IGL Regional  
Magnitudes: 2.4ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	222	23	EP		2359	16.42	0.00							1.0
MORF	HN	222	23	ES		2359	38.45	-0.12							1.0
MORF	HN	222	23	AML		2359	39.41			31	0.2				
MESJ	HZ	292	25	EP		2359	25.07	0.03							1.0
MESJ	HN	292	25	ES		2359	53.59	0.10							1.0
MESJ	HN	292	25	AML		2359	54.88			12	0.2				

**January 18 2013 Hour: 1:12 9.3 Lat: 38.77N Lon: 9.27W Depth: 0 Agency: IGL Regional  
Magnitudes: 2.0ML IGL Rms: 0.2 secs**

**NW AMADORA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	12	119	EP		112	11.16	-0.05							1.0
GGNV	HN	12	119	ES		112	12.25	-0.38							1.0
GGNV	HN	12	119	AML		112	17.27			843	0.4				
ALMR	HZ	74	54	EP		112	21.15	-0.01							1.0
ALMR	HN	74	54	ES		112	29.93	0.08							1.0
ALMR	HN	74	54	AML		112	35.13			48	0.6				
MESJ	HN	138	138	ES		112	48.07	0.27							0.9
MESJ	HN	138	138	AML		112	52.30			11	0.5				
MORF	HN	171	161	ES		112	55.70	0.14							0.9
MORF	HN	171	161	AML		113	0.83			31	0.3				

**January 18 2013 Hour: 12:42 50.8 Lat: 31.07N Lon: 99.57E Depth: 9F Agency: IGL Distant  
Magnitudes: 5.2MS IGL Rms: 0.0 secs**

**WESTERN SICHUAN, CHINA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9333	311	EP		1255	21.25	-0.03							1.0
MESJ	BE	9333	311	AMS		1333	14.91			766	15.8				

**January 19 2013 Hour: 6:55 9.1 Lat: 36.68N Lon: 11.29W Depth: 30F Agency: IGL Regional  
Magnitudes: 2.2ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	245	73	EP		655	42.27	-0.10							1.0
MORF	HE	245	73	ES		656	6.74	0.08							1.0
MORF	HN	245	73	AML		656	9.28			23	0.2				
MESJ	HN	301	64	ES		656	18.70	0.02							1.0
MESJ	HN	301	64	AML		656	21.52			7	0.2				

**January 19 2013 Hour: 17:53 31.8 Lat: 37.35N Lon: 8.73W Depth: 19F Agency: IGL Regional  
Magnitudes: 3.8ML IGL Rms: 0.1 secs**

**NE ALJEZUR, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	125	EP		1753	35.08	-0.13							1.0
MORF	HN	9	125	ES		1753	37.72	0.05							1.0
MORF	HN	9	125	AML		1753	38.21			20172	0.2				
MESJ	HZ	71	40	EP		1753	43.32	0.01							1.0
MESJ	HN	71	40	ES		1753	51.74	0.06							1.0
MESJ	HN	71	40	AML		1753	52.35			5751	0.2				
GGNV	HN	156	346	ES		1754	11.64	0.02							0.9
GGNV	HE	156	346	AML		1754	18.07			685	0.5				

January 20 2013 Hour: 10:48 48.6 Lat: 64.79N Lon: 146.60E Depth: 12F Agency: IGL Distant  
 Magnitudes: 5.4MS IGL Rms: 0.1 secs  
 SOUTHEASTERN SAKHA, RUSSIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8416	340	EP		11	0	33.95	0.07						1.0
MESJ	BZ	8416	340	AMS		1140	11.08			1897	17.7				

January 20 2013 Hour: 11:26 40.5 Lat: 37.15N Lon: 7.50W Depth: 7F Agency: IGL Regional  
 Magnitudes: 1.5ML IGL Rms: 0.1 secs  
 WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	100	320	EP		1126	56.34	-0.18							1.0
MESJ	HN	100	320	ES		1127	8.24	0.01							1.0
MESJ	HE	100	320	AML		1127	12.20			6	0.2				
MORF	HZ	104	280	EP		1126	57.22	0.07							1.0
MORF	HE	104	280	ES		1127	9.41	0.09							1.0
MORF	HN	104	280	AML		1127	12.22			18	0.1				

January 20 2013 Hour: 23:32 22.0 Lat: 53.94N Lon: 35.23W Depth: 10F Agency: IGL Distant  
 Magnitudes: 5.0MS IGL Rms: 0.1 secs  
 REYKJANES RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2599	120	EP		2337	30.94	0.01							1.0
GGNV	BE	2599	120	ES		2341	44.67	-0.07							1.0
GGNV	BZ	2599	120	AMS		2344	48.99			6075	18.9				
MESJ	BZ	2725	120	EP		2337	41.72	0.14							1.0
MESJ	BN	2725	120	ES		2342	3.30	0.04							1.0
MESJ	BZ	2725	120	AMS		2345	24.47			5479	20.0				
MORF	BZ	2746	121	EP		2337	43.37	0.01							1.0
MORF	BE	2746	121	ES		2342	6.24	-0.14							1.0
MORF	BZ	2746	121	AMS		2345	18.50			3866	19.0				

January 21 2013 Hour: 22:12 32.0 Lat: 37.34N Lon: 8.74W Depth: 20F Agency: IGL Regional  
 Magnitudes: 1.2ML IGL Rms: 0.1 secs  
 NE ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	115	EP		2212	35.44	-0.04							1.0
MORF	HE	9	115	ES		2212	38.14	0.09							1.0
MORF	HE	9	115	AML		2212	38.60			32	0.1				
MESJ	HZ	72	39	EP		2212	43.64	-0.02							1.0
MESJ	HN	72	39	ES		2212	52.17	-0.04							1.0
MESJ	HN	72	39	AML		2212	52.64			13	0.2				

January 22 2013 Hour: 9:11 4.6 Lat: 36.48N Lon: 4.47W Depth: 76F Agency: IGL Regional  
 Magnitudes: 2.5ML IGL Rms: 0.3 secs  
 STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	365	295	EP		911	52.68	0.35							1.0
MESJ	HN	365	295	ES		912	27.08	-0.12							1.0
MESJ	HN	365	295	AML		912	28.83			10	0.3				
MORF	HN	384	285	ES		912	30.71	-0.24							1.0
MORF	HN	384	285	AML		912	33.62			16	0.4				

January 24 2013 Hour: 7:35 43.0 Lat: 49.83N Lon: 87.60E Depth: 42F Agency: IGL Distant  
 Magnitudes: 5.0MS IGL Rms: 0.1 secs  
 RUSSIA-XINJIANG BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7286	300	EP		746	22.34	-0.07							1.0
MESJ	BN	7286	300	AMS		813	7.11			1004	20.1				

January 24 2013 Hour: 9:57 27.9 Lat: 37.35N Lon: 8.75W Depth: 19F Agency: IGL Regional  
Magnitudes: 0.5ML IGL Rms: 0.0 secs

NE ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	119	EP		957	31.38	-0.01							1.0
MORF	HN	10	119	ES		957	33.93	0.01							1.0
MORF	HN	10	119	AML		957	34.35			6	0.2				
MESJ	HZ	72	41	EP		957	39.54	-0.01							1.0
MESJ	HN	72	41	ES		957	48.06	0.01							1.0
MESJ	HN	72	41	AML		957	48.64			4	0.3				

January 24 2013 Hour: 11:13 19.9 Lat: 38.33N Lon: 8.10W Depth: 0 Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.1 secs

W VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	55	191	EP		1113	28.96	0.09							1.0
MESJ	HN	55	191	ES		1113	35.31	-0.09							1.0
MESJ	HE	55	191	AML		1113	37.16			4	0.2				

January 24 2013 Hour: 20:39 55.5 Lat: 37.32N Lon: 8.59W Depth: 10F Agency: IGL Regional  
Magnitudes: 1.0ML 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	254	EP		2039	57.30	-0.16							1.0
MORF	HE	6	254	ES		2039	59.04	0.17							1.0
MORF	HN	6	254	AML		2040	0.01			158	0.1				
MESJ	HZ	66	29	EP		2040	6.43	0.08							1.0
MESJ	HN	66	29	ES		2040	14.16	-0.09							1.0
MESJ	HN	66	29	AML		2040	15.82			4	0.6				

January 25 2013 Hour: 8:57 56.0 Lat: 38.40N Lon: 8.18W Depth: 14F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.0 secs

NW VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	62	183	EP		858	6.18	0.01							1.0
MESJ	HN	62	183	ES		858	13.55	-0.01							1.0
MESJ	HE	62	183	AML		858	15.15			3	0.1				

January 25 2013 Hour: 12:48 34.2 Lat: 35.20N Lon: 4.23W Depth: 1 Agency: IGL Regional  
Magnitudes: 2.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	462	311	EP		1249	36.83	0.07							1.0
MESJ	HN	462	311	ES		1250	22.39	-0.07							1.0
MESJ	HN	462	311	AML		1250	26.75			17	0.5				

January 25 2013 Hour: 20: 5 50.0 Lat: 37.30N Lon: 8.56W Depth: 15F Agency: IGL Regional  
Magnitudes: 0.4ML IGL Rms: 0.0 secs

S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	275	EP		20	5	52.83	-0.01						1.0
MORF	HN	8	275	ES		20	5	54.89	0.01						1.0
MORF	HN	8	275	AML		20	5	55.28		14	0.2				

January 25 2013 Hour: 23: 3 43.7 Lat: 37.13N Lon: 7.85W Depth: 13F Agency: IGL Regional  
Magnitudes: 1.6ML 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
MORF	HZ	74	286	EP		23	3	55.66	0.06						1.0
MORF	HE	74	286	ES		23	4	4.32	0.06						1.0
MORF	HN	74	286	AML		23	4	7.14		23	0.2				
MESJ	HZ	85	338	EP		23	3	57.31	-0.02						1.0
MESJ	HE	85	338	ES		23	4	7.16	-0.10						1.0



MESJ HN 85 338 AML 23 4 9.69 14 0.2

**January 25 2013 Hour: 23:37 2.1 Lat: 23.65S Lon: 43.55E Depth: 14F Agency: IGL Distant  
Magnitudes: 5.2MB IGL Rms: 0.0 secs**

**MADAGASCAR Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8694	321	EP		2349	1.02	0.04							1.0
MESJ	BZ	8694	321	AMb		2349	4.23			33	1.2				

**January 26 2013 Hour: 9:28 23.5 Lat: 37.22N Lon: 7.89W Depth: 11F Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	68	278	EP		928	34.65	0.05							1.0
MORF	HN	68	278	ES		928	42.60	-0.09							1.0
MORF	HN	68	278	AML		928	44.30			14	0.3				
MESJ	HZ	75	337	EP		928	35.45	-0.12							1.0
MESJ	HN	75	337	ES		928	44.54	0.17							1.0
MESJ	HN	75	337	AML		928	47.34			9	0.2				

**January 26 2013 Hour: 11:36 45.1 Lat: 35.11N Lon: 4.82W Depth: 77F Agency: IGL Regional  
Magnitudes: 3.5ML 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	422	306	EP		1137	39.39	-0.09							1.0
MORF	HN	422	306	ES		1138	19.12	-0.09							1.0
MORF	HN	422	306	AML		1138	24.69			124	0.2				
MESJ	HZ	430	316	EP		1137	40.45	0.10							1.0
MESJ	HE	430	316	ES		1138	20.79	0.08							1.0
MESJ	HN	430	316	AML		1138	26.90			103	0.3				

**January 26 2013 Hour: 14:28 41.8 Lat: 37.31N Lon: 8.59W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.5ML IGL Rms: 0.2 secs**

**W MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	266	EP		1428	44.11	-0.29							1.0
MORF	HN	5	266	ES		1428	46.51	0.20							1.0
MORF	HN	5	266	AML		1428	47.28			121	0.1				
MESJ	HZ	67	29	EP		1428	52.83	0.17							1.0
MESJ	HE	67	29	ES		1429	0.52	-0.08							1.0
MESJ	HE	67	29	AML		1429	1.23			23	0.2				

**January 26 2013 Hour: 17:34 27.7 Lat: 36.76N Lon: 7.27W Depth: 22F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	137	297	EP		1734	48.23	0.09							1.0
MORF	HN	137	297	ES		1735	3.12	0.08							1.0
MORF	HE	137	297	AML		1735	5.51			4	0.2				
MESJ	HZ	146	325	EP		1734	49.13	-0.15							1.0
MESJ	HN	146	325	ES		1735	4.99	-0.02							1.0
MESJ	HN	146	325	AML		1735	8.77			1.00	0.0				

**January 27 2013 Hour: 6:18 25.1 Lat: 37.24N Lon: 7.89W Depth: 11F Agency: IGL Regional  
Magnitudes: 0.8ML IGL Rms: 0.0 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	68	276	EP		618	36.11	-0.03							1.0
MORF	HE	68	276	ES		618	44.21	0.02							1.0
MORF	HN	68	276	AML		618	47.43			4	0.0				
MESJ	HZ	73	336	EP		618	36.85	0.01							1.0

January 27 2013 Hour: 9:59 27.7 Lat: 16.10S Lon: 173.24W Depth: 9F Agency: IGL Distant  
Magnitudes: 5.7MS 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	BZ17083		29	EPKpdf		1019	18.24	0.10							1.0
GGNV	BE17083		29	AMS		1121	48.30			1730	21.1				
MESJ	BZ17210		29	EPKpdf		1019	19.75-0.03								1.0
MESJ	BZ17210		29	AMS		1120	53.71			1106	20.3				
MORF	BZ17235		30	EPKpdf		1019	20.09-0.06								1.0
MORF	BZ17235		30	AMS		1122	58.50			1029	17.9				

January 27 2013 Hour: 11:28 59.1 Lat: 37.02N Lon: 5.57W Depth: 30F 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	251	292	EP		1129	33.17	0.00							1.0
MORF	HZ	275	278	EP		1129	36.17	0.00							1.0

January 27 2013 Hour: 11:37 37.2 Lat: 36.28N Lon: 5.33W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	310	305	EP		1138	21.21	0.01							1.0

January 27 2013 Hour: 21:58 10.9 Lat: 36.46N Lon: 9.51W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	39	EP		2158	29.77-0.14								1.0
MORF	HN	121	39	ES		2158	43.94	0.12							1.0
MORF	HN	121	39	AML		2158	45.88			16	0.3				
MESJ	HZ	191	36	EP		2158	38.45-0.13								1.0
MESJ	HN	191	36	ES		2158	58.97	0.15							1.0
MESJ	HN	191	36	AML		2159	0.63			4	0.2				

January 27 2013 Hour: 23:15 34.8 Lat: 37.11N Lon: 8.62W Depth: 28F Agency: IGL Regional  
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	22	353	EP		2315	40.32-0.01								1.0
MORF	HN	22	353	ES		2315	44.20-0.18								1.0
MORF	HN	22	353	AML		2315	44.75			145	0.1				
MESJ	HZ	88	23	EP		2315	48.83	0.12							1.0
MESJ	HN	88	23	ES		2315	58.96	0.09							1.0
MESJ	HN	88	23	AML		2316	0.87			6	0.1				

January 28 2013 Hour: 0:0 29.1 Lat: 38.86N Lon: 8.06W Depth: 1F Agency: IGL Regional  
Magnitudes: 1.6ML IGL Rms: 0.0 secs

SE MORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	114	187	EP		0	0	47.53	0.04						1.0
MESJ	HN	114	187	ES		0	1	0.89-0.04							1.0
MESJ	HN	114	187	AML		0	1	2.17		11	0.1				

January 28 2013 Hour: 16:38 54.0 Lat: 42.60N Lon: 79.70E Depth: 15F Agency: IGL Distant  
Magnitudes: 6.4MS IGL Rms: 0.1 secs

EASTERN KAZAKHSTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7150	299	EP		1649	29.02-0.02								1.0
MESJ	BN	7150	299	ESS		17	2	18.35	0.07						1.0
MESJ	BN	7150	299	AMS		1715	23.20			28871	19.9				
GGNV	BZ	7161	300	EP		1649	29.56-0.05								1.0
GGNV	BN	7161	300	AMS		1717	18.75			21672	22.8				

MORF BZ 7216 298 EP	1649 32.88-0.06		1.0
MORF BN 7216 298 ES	1658 14.84 0.08		1.0
MORF BE 7216 298 ESS	17 2 27.46-0.02		1.0
MORF BN 7216 298 AMS	1715 48.30	27699 17.8	

**January 29 2013 Hour: 1:49 53.6 Lat: 36.40N Lon: 9.87W Depth: 28F 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	148	47	EP		150	15.02	0.04							1.0
MORF	HN	148	47	ES		150	30.79	0.21							1.0
MORF	HN	148	47	AML		150	31.26			15	0.3				
MESJ	HZ	217	42	EP		150	23.40-0.08								1.0
MESJ	HN	217	42	ES		150	45.11-0.19								1.0
MESJ	HN	217	42	AML		150	47.61			4	0.4				

**January 29 2013 Hour: 10: 6 11.7 Lat: 37.23N Lon: 9.07W Depth: 28F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	38	77	EP		10 6	19.16	0.14							1.0
MORF	HN	38	77	ES		10 6	24.36-0.01								1.0
MORF	HN	38	77	AML		10 6	25.70			17	0.1				
MESJ	HZ	101	48	EP		10 6	27.06-0.15								1.0
MESJ	HN	101	48	ES		10 6	38.54 0.01								1.0
MESJ	HN	101	48	AML		10 6	38.79			2	0.3				

**January 29 2013 Hour: 11:52 42.5 Lat: 37.69N Lon: 8.39W Depth: 24F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.1 secs**

**NW OURIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	22	42	EP		1152	47.72	0.09							1.0
MESJ	HE	22	42	ES		1152	51.33-0.05								1.0
MESJ	HE	22	42	AML		1152	51.95			11	0.2				
MORF	HZ	48	209	EP		1152	51.06 0.13								1.0
MORF	HE	48	209	ES		1152	56.93-0.17								1.0
MORF	HE	48	209	AML		1152	57.15			9	0.3				

**January 30 2013 Hour: 3:14 28.1 Lat: 43.57N Lon: 127.60W Depth: 10F Agency: IGL Distant  
Magnitudes: 4.9MB IGL Rms: 0.0 secs**

**OFF COAST OF OREGON Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9127	44	EP		326	48.87	0.02							1.0
MESJ	BZ	9127	44	AMb		326	51.48			16	1.2				
MORF	BZ	9148	45	EP		326	49.89-0.02								1.0
MORF	BZ	9148	45	AMb		326	51.98			21	1.7				

**January 30 2013 Hour: 4:27 24.8 Lat: 38.77N Lon: 23.37E Depth: 9F Agency: IGL Distant  
Magnitudes: 4.4MB IGL Rms: 0.0 secs**

**GREECE Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2751	278	EP		432	46.59-0.02								1.0
MESJ	BZ	2751	278	AMb		432	48.60			21	2.1				

**January 30 2013 Hour: 9:27 5.9 Lat: 32.85N Lon: 94.71E Depth: 37F Agency: IGL Distant  
Magnitudes: 5.0MB IGL Rms: 0.1 secs**

**XIZANG-QINGHAI BORDER REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8852	308	EP		939	9.47 0.12								1.0
MESJ	BZ	8852	308	AMb		939	13.04			41	1.8				

January 30 2013 Hour: 11:44 6.0 Lat: 37.41N Lon: 9.08W Depth: 29F Agency: IGL Regional  
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	40	107	EP		1144	13.70	0.07							1.0
MORF	HN	40	107	ES		1144	19.25	0.08							1.0
MORF	HE	40	107	AML		1144	20.67			74	0.1				
MESJ	HZ	90	58	EP		1144	19.87	-0.19							1.0
MESJ	HE	90	58	ES		1144	30.33	0.04							1.0
MESJ	HE	90	58	AML		1144	32.85			6	0.1				

January 30 2013 Hour: 12:35 20.2 Lat: 35.06N Lon: 14.45W Depth: 0 Agency: IGL Regional  
Rms: 0.2 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	578	63	EP		1236	36.89	-0.15							1.0
MESJ	HZ	638	59	EP		1236	44.42	0.16							1.0

January 30 2013 Hour: 19: 7 15.3 Lat: 35.75N Lon: 10.16W Depth: 20F Agency: IGL Regional  
Magnitudes: 2.1ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	219	38	EP		19 7	46.17	0.07							1.0
MORF	HN	219	38	ES		19 8	8.25	-0.34							1.0
MORF	HN	219	38	AML		19 8	9.43			16	0.4				
MESJ	HZ	289	36	EP		19 7	54.77	0.00							1.0
MESJ	HE	289	36	ES		19 8	23.89	0.29							1.0
MESJ	HE	289	36	AML		19 8	26.36			6	0.0				

January 30 2013 Hour: 20: 7 27.8 Lat: 37.15N Lon: 9.58W Depth: 22F 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
MORF	HZ	84	78	EP		20 7	41.41	0.05							1.0
MORF	HN	84	78	ES		20 7	51.18	-0.05							1.0
MORF	HN	84	78	AML		20 7	52.34			19	0.2				

January 30 2013 Hour: 20:15 43.0 Lat: 28.18S Lon: 70.80W Depth: 46F Agency: IGL Distant  
Magnitudes: 7.0MS IGL Rms: 0.1 secs

ATACAMA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9722	45	EP		2028	25.31	-0.05							1.0
MORF	BZ	9722	45	EpP		2028	39.17	0.12							1.0
MORF	BN	9722	45	ESKSac		2038	48.27	-0.12							1.0
MORF	BZ	9722	45	AMS		21 5	16.42			71586	22.3				
GGNV	BZ	9786	44	EP		2028	27.98	-0.01							1.0
GGNV	BZ	9786	44	EpP		2028	41.84	0.12							1.0
GGNV	BE	9786	44	ESp		2028	47.17	0.03							1.0
GGNV	BN	9786	44	ESKSac		2038	51.81	0.04							1.0
GGNV	BZ	9786	44	AMS		21 5	23.27			53151	22.4				
MESJ	BZ	9789	45	EP		2028	28.01	-0.14							1.0
MESJ	BZ	9789	45	EPP		2031	54.75	0.01							1.0
MESJ	BE	9789	45	ESKSac		2038	51.95	-0.01							1.0
MESJ	BZ	9789	45	AMS		21 5	44.05			58316	20.4				

January 30 2013 Hour: 23: 3 45.9 Lat: 10.52S Lon: 166.49E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.1MS IGL Rms: 0.2 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16880	353	EPKpdf			2323	33.70	0.22							1.0
GGNV	BZ16880	353	AMS			2425	49.23			3027	23.2				
MESJ	BZ16962	351	EPKpdf			2323	34.40	-0.20							1.0
MESJ	BZ16962	351	AMS			2433	49.99			2300	23.9				

MORF BZ17027 351 EPKPdf 2323 35.50-0.02 1.0  
MORF BZ17027 351 AMS 2432 7.13 2925 15.2

**January 31 2013 Hour: 3:33 44.1 Lat: 10.63S Lon: 166.38E Depth: 9F Agency: IGL Distant  
Magnitudes: 6.2MS IGL Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16891	353	EPKPdf			353	32.19	0.13							1.0
GGNV	BZ16891	353	AMS			5 9	24.85			3175	19.1				
MESJ	BZ16972	351	EPKPdf			353	33.14	-0.03							1.0
MESJ	BZ16972	351	AMS			5 4	12.92			3646	18.4				
MORF	BZ17037	351	EPKPdf			353	33.99	-0.10							1.0
MORF	BZ17037	351	AMS			5 4	19.55			3390	16.4				

**January 31 2013 Hour: 3:58 0.3 Lat: 10.68S Lon: 166.39E Depth: 35F Agency: IGL Distant  
Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16896	353	EPKPdf			417	44.01	-0.04							1.0
MESJ	BZ16978	351	EPKPdf			417	45.24	0.07							1.0
MORF	BZ17043	351	EPKPdf			417	46.05	-0.03							1.0

**January 31 2013 Hour: 4:31 33.3 Lat: 10.93S Lon: 166.42E Depth: 33F Agency: IGL Distant  
Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17006	351	EPKPdf			451	18.98	0.10							1.0
MORF	BZ17071	351	EPKPdf			451	19.69	-0.10							1.0

**January 31 2013 Hour: 5:18 14.8 Lat: 10.57S Lon: 166.45E Depth: 46F Agency: IGL Distant  
Magnitudes: 5.3MS 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
MESJ	BZ16966	351	EPKPdf			537	58.18	-0.05							1.0
MESJ	BZ16966	351	AMS			648	52.93			522	18.6				
MORF	BZ17032	351	EPKPdf			537	59.19	0.05							1.0
MORF	BE17032	351	AMS			649	53.13			447	25.9				

**January 31 2013 Hour: 9:53 44.3 Lat: 55.58N Lon: 134.74W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.8MS IGL Rms: 0.1 secs**

**SOUTHEASTERN ALASKA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BN 8360	41	ES			1015	6.66	-0.13							1.0
GGNV	BZ 8360	41	AMS			1035	54.19			6632	28.0				
MESJ	BZ 8485	41	EP			10 5	33.63	0.05							1.0
MESJ	BZ 8485	41	AMS			1036	47.53			7909	19.1				
MORF	BZ 8519	41	EP			10 5	35.33	-0.07							1.0
MORF	BN 8519	41	ES			1015	22.83	0.16							1.0
MORF	BZ 8519	41	AMS			1036	45.14			3658	22.8				

**January 31 2013 Hour: 16:48 13.6 Lat: 36.40N Lon: 6.10W Depth: 43F Agency: IGL Regional  
Magnitudes: 3.4ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	247	311	EP		1648	47.05	0.01							1.0
MESJ	HE	247	311	ES		1649	11.61	0.13							1.0
MESJ	HN	247	311	AML		1649	14.11			127	0.3				
MORF	HZ	249	295	EP		1648	47.15	-0.13							1.0
MORF	HN	249	295	ES		1649	11.88	-0.01							1.0
MORF	HN	249	295	AML		1649	13.98			321	0.3				

February 1 2013 Hour: 0:56 46.5 Lat: 36.79N Lon: 11.08W Depth: 0 Agency: IGL Regional  
Magnitudes: 1.5ML 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	223	74	EP		057	19.42	-0.31							1.0
MORF	HE	223	74	ES		057	43.84	-0.14							1.0
MORF	HE	223	74	AML		057	44.54			4	0.3				
MESJ	HZ	279	64	EP		057	26.59	0.00							1.0
MESJ	HE	279	64	ES		057	56.34	0.48							1.0
MESJ	HN	279	64	AML		057	58.05			2	0.3				

February 1 2013 Hour: 5:36 41.2 Lat: 11.09S Lon: 165.54E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.0MS IGL Rms: 0.1 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16928	351	EP	KPdf		556	29.42	0.00							1.0
GGNV	BZ16928	351	EPP			6 0	18.10	0.07							1.0
GGNV	BE16928	351	AMS			719	37.98			2723	19.2				
MESJ	BZ17006	349	EP	KPdf		556	30.44	-0.04							1.0
MESJ	BZ17006	349	EPP			6 0	22.20	0.16							1.0
MESJ	BZ17006	349	AMS			7 7	49.26			2123	21.8				
MORF	BZ17072	350	EP	KPdf		556	31.46	0.06							1.0
MORF	BZ17072	350	EPP			6 0	25.22	-0.25							1.0
MORF	BE17072	350	AMS			7 9	28.51			3061	19.0				

February 1 2013 Hour: 11: 6 7.1 Lat: 37.26N Lon: 8.95W Depth: 29F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.1 secs

SW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	27	79	EP		11 6	13.44	0.21							1.0
MORF	HE	27	79	ES		11 6	17.59	-0.12							1.0
MORF	HN	27	79	AML		11 6	18.74			22	0.2				
MESJ	HZ	91	45	EP		11 6	21.17	-0.11							1.0
MESJ	HN	91	45	ES		11 6	31.67	0.02							1.0
MESJ	HE	91	45	AML		11 6	32.89			2	0.3				

February 1 2013 Hour: 17:28 28.2 Lat: 36.85N Lon: 7.15W Depth: 19F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	143	291	EP		1728	49.51	-0.03							1.0
MESJ	HZ	145	320	EP		1728	49.83	0.03							1.0

February 1 2013 Hour: 18:37 17.2 Lat: 37.32N Lon: 8.56W Depth: 11F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	259	EP		1837	19.35	-0.18							1.0
MORF	HN	8	259	ES		1837	21.26	0.06							1.0
MORF	HN	8	259	AML		1837	21.72			78	0.2				
MESJ	HN	65	27	ES		1837	35.67	0.12							1.0
MESJ	HN	65	27	AML		1837	37.74			3	0.2				

February 1 2013 Hour: 21:37 42.2 Lat: 38.65N Lon: 9.70W Depth: 27F Agency: IGL Regional  
Magnitudes: 2.3ML IGL Rms: 0.2 secs

W CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	49	81	EP		2137	50.96	0.18							1.0
GGNV	HN	49	81	ES		2137	56.97	-0.04							1.0
GGNV	HN	49	81	AML		2137	58.22			150	0.2				
MESJ	HZ	158	124	EP		2138	4.60	-0.25							1.0
MESJ	HN	158	124	ES		2138	21.29	-0.06							1.0
MESJ	HE	158	124	AML		2138	22.24			21	0.2				

MORF HZ	175	148	EP	2138	6.94	-0.12											0.9
MORF HN	175	148	ES	2138	25.46	0.28											0.9
MORF HE	175	148	AML	2138	28.79				42	0.1							

**February 1 2013 Hour: 22:16 36.6 Lat: 10.93S Lon: 165.45E Depth: 20F Agency: IGL Distant**  
**Magnitudes: 6.5MS IGL Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16909	351	EPKPdf			2236	23.01	0.10							1.0
GGNV	BZ16909	351	AMS			24	4	42.68		7667	23.1				
MESJ	BZ16986	349	EPKPdf			2236	23.78	-0.19							1.0
MESJ	BZ16986	349	AMS			24	5	12.59		5742	14.0				
MORF	BZ17053	350	EPKPdf			2236	24.98	0.08							1.0
MORF	BZ17053	350	AMS			2350	51.00			8053	20.2				

**February 2 2013 Hour: 4:16 20.1 Lat: 11.09S Lon: 165.17E Depth: 29F Agency: IGL Distant**  
**Magnitudes: 5.9MS IGL Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16921	351	EPKPdf			436	5.06	-0.14							1.0
GGNV	BE16921	351	AMS			552	34.50			1767	17.1				
MESJ	BZ16998	349	EPKPdf			436	6.45	0.20							1.0
MESJ	BZ16998	349	AMS			546	44.54			1509	22.6				
MORF	BZ17064	349	EPKPdf			436	7.12	-0.06							1.0
MORF	BZ17064	349	AMS			548	30.14			1922	17.7				

**February 2 2013 Hour: 14:17 35.1 Lat: 42.81N Lon: 143.08E Depth: 103F Agency: IGL Distant**  
**Magnitudes: 6.4MS IGL Rms: 0.1 secs**

**HOKKAIDO, JAPAN REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10562	339	EP			1430	45.85	0.08							1.0
GGNV	BZ10562	339	EPP			1434	36.45	-0.02							1.0
GGNV	BN10562	339	ESKSac			1441	11.78	0.05							1.0
GGNV	BN10562	339	AMS			1514	46.57			15232	19.6				
MESJ	BZ10625	338	EP			1430	48.43	0.04							1.0
MESJ	BZ10625	338	EPP			1434	40.78	-0.09							1.0
MESJ	BN10625	338	ESKSac			1441	14.89	0.10							1.0
MESJ	BN10625	338	ESS			1448	28.79	-0.09							1.0
MESJ	BZ10625	338	AMS			1516	59.30			9830	23.9				
MORF	BZ10693	338	EP			1430	51.49	0.25							0.9
MORF	BZ10693	338	EPP			1434	45.60	-0.11							1.0
MORF	BN10693	338	ESKSac			1441	17.95	-0.19							0.9
MORF	BZ10693	338	AMS			1517	5.60			16128	22.1				

**February 2 2013 Hour: 18:58 7.0 Lat: 10.92S Lon: 165.25E Depth: 8F Agency: IGL Distant**  
**Magnitudes: 6.0MS IGL Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16905	351	EPKPdf			1917	55.37	0.07							1.0
GGNV	BE16905	351	AMS			2048	45.29			2163	22.0				
MESJ	BZ16981	349	EPKPdf			1917	56.35	-0.01							1.0
MESJ	BZ16981	349	AMS			2028	20.28			1826	19.5				
MORF	BZ17048	349	EPKPdf			1917	57.22	-0.06							1.0
MORF	BZ17048	349	AMS			2029	10.68			1512	11.2				

**February 3 2013 Hour: 2: 8 4.3 Lat: 37.39N Lon: 17.20W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 4.6ML IGL Rms: 0.4 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	722	76	ES		210	46.71	-0.49							1.0
GGNV	HN	722	76	AML		210	54.92			1358	0.6				
MORF	HZ	757	88	EP		2	9	42.52	-0.21						1.0
MORF	HN	757	88	ES		210	54.49	-0.07							1.0
MORF	HN	757	88	AML		211	2.77			312	0.2				

MESJ HZ	794	84	EP		2	9	47.19	0.16									1.0
MESJ HN	794	84	ES		211		2.67	0.67									1.0
MESJ HE	794	84	AML		211		8.17			247	0.7						

**February 3 2013 Hour: 5:17 56.3 Lat: 41.69N Lon: 1.83W Depth: 8F Agency: IGL Regional  
Magnitudes: 2.8ML IGL Rms: 0.2 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		694	234	EP		519	26.33	-0.01							1.0
MESJ HE		694	234	ES		520	31.86	-0.22							1.0
MESJ HE		694	234	AML		520	36.02			10	0.5				
MORF HZ		762	233	EP		519	34.58	0.25							1.0

**February 3 2013 Hour: 7: 4 43.4 Lat: 30.81N Lon: 5.67W Depth: 20F Agency: IGL Regional  
Rms: 0.1 secs**

**MOROCCO Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		771	340	EP		7	6	21.31	-0.09						1.0
MESJ HZ		814	344	EP		7	6	26.52	0.10						1.0

**February 3 2013 Hour: 10:39 22.2 Lat: 36.55N Lon: 7.05W Depth: 31F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		177	324	EP		1039	46.97	0.09							1.0
MESJ HN		177	324	ES		1040	4.83	-0.09							1.0
MESJ HN		177	324	AML		1040	6.39			3	0.5				

**February 4 2013 Hour: 13: 5 10.4 Lat: 36.28N Lon: 8.20W Depth: 9F Agency: IGL Regional  
Magnitudes: 2.3ML IGL Rms: 0.3 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		121	341	EP		13	5	29.35	-0.21						1.0
MORF HN		121	341	ES		13	5	43.95	0.40						1.0
MORF HE		121	341	AML		13	5	47.48			57	0.2			
MESJ HZ		173	359	EP		13	5	36.20	-0.24						1.0
MESJ HN		173	359	ES		13	5	55.49	0.04						1.0
MESJ HN		173	359	AML		13	5	56.51			23	0.1			

**February 5 2013 Hour: 7:32 16.5 Lat: 37.30N Lon: 8.60W Depth: 14F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs**

**SW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		5	279	EP		732	18.94	0.04							1.0
MORF HE		5	279	ES		732	20.63	-0.05							1.0
MORF HN		5	279	AML		732	21.28				53	0.1			
MESJ HZ		69	29	EP		732	27.66	0.11							1.0
MESJ HN		69	29	ES		732	35.55	-0.09							1.0
MESJ HN		69	29	AML		732	36.51				10	0.2			

**February 5 2013 Hour: 8: 9 56.3 Lat: 38.29N Lon: 6.45W Depth: 1F Agency: IGL Regional  
Magnitudes: 2.0ML IGL Rms: 0.2 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		163	253	EP		810	22.17	0.17							1.0
MESJ HN		163	253	ES		810	40.55	-0.17							1.0
MESJ HN		163	253	AML		810	43.34				19	0.2			



**February 5 2013 Hour: 14:23 40.1 Lat: 38.06N Lon: 3.30W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.2 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HN	433	268	ES		1425	22.12	-0.17							1.0
MESJ	HN	433	268	AML		1425	30.68			5	0.5				

**February 5 2013 Hour: 15:18 35.5 Lat: 38.05N Lon: 3.30W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.8ML IGL Rms: 0.2 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HN	433	268	ES		1520	18.16	0.16							1.0
MESJ	HE	433	268	ESg		1520	36.19	-0.16							1.0
MESJ	HN	433	268	AML		1520	42.58			21	0.6				

**February 5 2013 Hour: 16:56 6.8 Lat: 35.90N Lon: 6.80W Depth: 32F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.2 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	228	314	ES		1657	0.32	-0.22							1.0
MORF	HN	228	314	AML		1657	2.44			7	0.1				
MESJ	HZ	250	330	EP		1656	40.93	0.33							1.0
MESJ	HN	250	330	ES		1657	5.14	-0.11							1.0
MESJ	HN	250	330	AML		1657	7.07			7	0.3				

**February 5 2013 Hour: 21:23 47.8 Lat: 38.06N Lon: 3.29W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 3.5ML IGL Rms: 0.6 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	434	268	EP		2124	48.07	0.87							1.0
MESJ	HN	434	268	ES		2125	30.33	-0.21							1.0
MESJ	HE	434	268	ESg		2125	48.30	-0.66							1.0
MESJ	HN	434	268	AML		2126	0.10			103	0.4				

**February 5 2013 Hour: 21:24 13.3 Lat: 38.06N Lon: 3.27W Depth: 0F Agency: IGL Regional**  
**Magnitudes: 3.8ML IGL Rms: 0.1 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HE	436	268	ESg		2126	14.81	-0.09							1.0
MESJ	HN	436	268	AML		2126	28.80			233	0.6				
MORF	HE	482	262	ESg		2126	27.88	0.10							1.0
MORF	HN	482	262	AML		2126	33.83			209	0.4				

**February 6 2013 Hour: 0: 6 17.3 Lat: 38.05N Lon: 3.30W Depth: 3F Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.5 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HN	433	268	ES		0 7	59.79	0.46							1.0
MESJ	HN	433	268	ESg		0 8	17.78	-0.46							1.0
MESJ	HN	433	268	AML		0 8	25.09			30	0.4				

**February 6 2013 Hour: 0: 7 22.6 Lat: 10.86S Lon: 165.21E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 0.1ML IGL Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16974	349	EPKpdf			027	11.46	-0.06							1.0

**February 6 2013 Hour: 1:12 26.3 Lat: 10.74S Lon: 165.14E Depth: 29F Agency: IGL Distant  
Rms: 0.2 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16883	351	EPK	pdf		132	10.78	-0.06							1.0
MESJ	BZ16959	349	EPK	pdf		132	12.17	0.27							1.0
MORF	BZ17026	349	EPK	pdf		132	12.64	-0.20							1.0

**February 6 2013 Hour: 1:23 20.1 Lat: 11.23S Lon: 164.92E Depth: 10F Agency: IGL Distant  
Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16932	350	EPK	pdf		143	8.43	0.07							1.0
MESJ	BZ17008	348	EPK	pdf		143	9.27	-0.12							1.0
MORF	BZ17075	348	EPK	pdf		143	10.36	0.04							1.0

**February 6 2013 Hour: 1:48 43.0 Lat: 11.63S Lon: 165.94E Depth: 10F Agency: IGL Distant  
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
MESJ	BZ17072	350	EPK	pdf		2 8	33.15	-0.03							1.0

**February 6 2013 Hour: 1:54 15.1 Lat: 10.51S Lon: 165.73E Depth: 10F Agency: IGL Distant  
Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16947	350	EPK	pdf		214	3.70	0.11							1.0
MORF	BZ17013	350	EPK	pdf		214	4.41	-0.11							1.0

**February 6 2013 Hour: 11: 3 45.9 Lat: 10.73S Lon: 165.14E Depth: 10F Agency: IGL Distant  
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
MESJ	BZ16958	349	EPK	pdf		1123	34.56	-0.02							1.0

**February 6 2013 Hour: 11:56 26.6 Lat: 38.05N Lon: 3.29W Depth: 2F Agency: IGL Regional  
Magnitudes: 2.6ML 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	HE	434	268	ES		1158	8.91	-0.01							1.0
MESJ	HN	434	268	ESg		1158	27.67	0.01							1.0
MESJ	HE	434	268	AML		1158	36.34			13	0.8				

**February 6 2013 Hour: 20:18 38.6 Lat: 46.51N Lon: 27.37W Depth: 14F Agency: IGL Distant  
Magnitudes: 5.2MB IGL  
Rms: 0.3 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1721	114	EP		2022	16.97	0.37							1.0
GGNV	BZ	1721	114	AMb		2022	22.41			160	1.8				
MESJ	BZ	1845	115	EP		2022	30.74	-0.16							1.0
MESJ	BZ	1845	115	AMb		2022	46.12			75	1.4				
MORF	BZ	1852	117	EP		2022	31.53	-0.20							1.0
MORF	BZ	1852	117	AMb		2022	37.36			116	2.0				

**February 6 2013 Hour: 22:39 20.9 Lat: 37.13N Lon: 4.25W Depth: 30F 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	360	284	EP		2240	8.43	0.04							1.0

**February 7 2013 Hour: 0:30 11.4 Lat: 11.66S Lon: 164.96E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 6.1MS IGL Rms: 0.2 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16980	350		EPKpdf		050	0.51	0.17							1.0
GGNV	BZ16980	350		AMS		2 0	39.28			3173	28.2				
MESJ	BZ17055	348		EPKpdf		050	1.49	0.13							1.0
MESJ	BZ17055	348		AMS		2 1	52.22			3421	21.3				
MORF	BZ17122	348		EPKpdf		050	1.98	-0.30							1.0
MORF	BZ17122	348		AMS		2 3	0.33			3871	26.7				

**February 7 2013 Hour: 7:19 50.0 Lat: 15.59S Lon: 173.14W Depth: 10F 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	BZ17154	28		EPKpdf		739	41.37	0.11							1.0
MESJ	BE17154	28		ESS		8 3	18.62	0.02							1.0
MORF	BZ17180	30		EPKpdf		739	41.51	-0.13							1.0

**February 7 2013 Hour: 18:59 15.6 Lat: 11.00S Lon: 165.66E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 7.0MS IGL Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16920	351		EPKpdf		1919	3.87	0.12							1.0
GGNV	BZ16920	351		AMS		2029	59.05			36404	22.0				
MESJ	BZ16999	349		EPKpdf		1919	4.78	-0.04							1.0
MESJ	BZ16999	349		AMS		2029	47.92			22444	26.4				
MORF	BZ17065	350		EPKpdf		1919	5.67	-0.07							1.0
MORF	BZ17065	350		AMS		2028	3.39			25427	20.0				

**February 8 2013 Hour: 5:16 2.1 Lat: 37.30N Lon: 8.59W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 0.3ML IGL Rms: 0.1 secs**

**SW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	277	EP		516	4.44	-0.16							1.0
MORF	HE	5	277	ES		516	6.48	0.06							1.0
MORF	HN	5	277	AML		516	7.27			8	0.1				
MESJ	HN	68	29	ES		516	21.29	0.10							1.0
MESJ	HE	68	29	AML		516	22.43			2	0.0				

**February 8 2013 Hour: 10:46 34.9 Lat: 39.30N Lon: 13.97W Depth: 10F Agency: IGL Regional**  
**Rms: 0.0 secs**

**NORTH ATLANTIC OCEAN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	515	114	EP		1047	43.08	-0.02							1.0
MESJ	HZ	527	106	EP		1047	44.48	0.02							1.0

**February 8 2013 Hour: 11:12 13.0 Lat: 10.90S Lon: 165.90E Depth: 18F Agency: IGL Distant**  
**Magnitudes: 7.2MS IGL Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16913	352		EPKpdf		1131	59.72	0.05							1.0
GGNV	BE16913	352		AMS		1229	38.82			37006	16.8				
MESJ	BZ16993	350		EPKpdf		1132	0.63	-0.13							1.0
MESJ	BE16993	350		ESS		1155	23.39	0.11							1.0
MESJ	BZ16993	350		AMS		1234	30.77			35080	25.3				
MORF	BZ17059	350		EPKpdf		1132	1.64	-0.04							1.0
MORF	BZ17059	350		AMS		1245	27.69			32794	18.6				

February 8 2013 Hour: 15: 7 22.3 Lat: 36.55N Lon: 7.41W Depth: 16F 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	HN	139	308	ES		15 7	59.06	0.13							1.0
MORF	HN	139	308	AML		15 8	0.71			13	0.1				
MESJ	HZ	160	334	EP		15 7	46.06	-0.04							1.0
MESJ	HE	160	334	ES		15 8	3.37	-0.09							1.0
MESJ	HN	160	334	AML		15 8	5.40			6	0.2				

February 8 2013 Hour: 15:26 40.5 Lat: 10.91S Lon: 165.96E Depth: 27F Agency: IGL Distant  
Magnitudes: 7.2MS IGL Rms: 0.1 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16915	352	EPKpdf			1546	25.87	0.05							1.0
GGNV	BE16915	352	AMS			1644	30.65		45452	22.8					
MESJ	BZ16995	350	EPKpdf			1546	26.95	0.04							1.0
MESJ	BN16995	350	ESS			16 9	48.59	-0.13							1.0
MESJ	BZ16995	350	AMS			17 4	58.44		23869	17.6					
MORF	BZ17061	350	EPKpdf			1546	27.87	0.04							1.0
MORF	BZ17061	350	AMS			1659	8.06		47335	16.9					

February 8 2013 Hour: 16:17 27.0 Lat: 36.41N Lon: 6.83W Depth: 31F 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	201	323	EP		1617	54.75	0.07							1.0
MESJ	HE	201	323	ES		1618	14.85	-0.07							1.0
MESJ	HE	201	323	AML		1618	16.14			5	0.2				

February 8 2013 Hour: 17:59 52.0 Lat: 6.28S Lon: 154.80E Depth: 75F Agency: IDL Distant  
Rms: 0.0 secs

BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16140	336	EPKpdf			1819	19.96	0.03							1.0
MORF	BZ16211	336	EPKpdf			1819	21.03	-0.03							1.0

February 8 2013 Hour: 18: 7 54.1 Lat: 10.99S Lon: 166.41E Depth: 58F Agency: IGL Distant  
Rms: 0.2 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17011	351	EPKpdf			1827	36.85	0.23							1.0
MORF	BZ17077	351	EPKpdf			1827	37.29	-0.23							1.0

February 9 2013 Hour: 2:27 21.7 Lat: 36.52N Lon: 9.81W Depth: 30F Agency: IGL Regional  
Magnitudes: 2.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	135	49	EP		227	41.34	-0.01							1.0
MORF	HE	135	49	ES		227	55.80	0.11							1.0
MORF	HN	135	49	AML		227	56.66			73	0.2				
MESJ	HZ	203	43	EP		227	49.78	-0.01							1.0
MESJ	HN	203	43	ES		228	10.21	-0.08							1.0
MESJ	HE	203	43	AML		228	13.04			27	0.2				

February 9 2013 Hour: 9:37 10.7 Lat: 37.59N Lon: 8.43W Depth: 15F Agency: IGL Regional  
Magnitudes: 0.6ML 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	33	34	EP		937	16.63	0.11							1.0
MESJ	HN	33	34	ES		937	20.76	-0.02							1.0
MESJ	HE	33	34	AML		937	21.76			5	0.2				
MORF	HZ	37	212	EP		937	17.20	0.12							1.0

MORF HE 37 212 ES 937 21.54-0.21 1.0  
MORF HE 37 212 AML 937 22.59 7 0.2

**February 9 2013 Hour: 14:16 9.0 Lat: 1.17N Lon: 77.38W Depth:154F Agency: IGL Distant  
Magnitudes: 6.2MB 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	8058	50	EP		1427	18.31	-0.01							1.0
GGNV	BZ	8058	50	AMb		1427	24.37		1568	2.9					
GGNV	BZ	8058	50	EpP		1427	55.69	0.13							1.0
GGNV	BN	8058	50	ES		1436	29.87	-0.10							1.0
MORF	BZ	8066	51	EP		1427	19.01	0.16							1.0
MORF	BZ	8066	51	AMb		1427	26.41		2344	2.0					
MORF	BZ	8066	51	EpP		1427	56.21	0.11							1.0
MORF	BN	8066	51	ES		1436	31.01	0.05							1.0
MESJ	BZ	8116	51	EP		1427	21.34	-0.10							1.0
MESJ	BZ	8116	51	AMb		1427	27.88		593	1.4					
MESJ	BZ	8116	51	EpP		1427	58.66	-0.07							1.0
MESJ	BN	8116	51	ES		1436	35.78	-0.16							1.0

**February 9 2013 Hour: 18:51 2.2 Lat: 36.77N Lon: 8.44W Depth: 17F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	62	343	EP		1851	12.48	0.02							1.0
MORF	HE	62	343	ES		1851	19.85	-0.07							1.0
MORF	HN	62	343	AML		1851	21.34		9	0.1					
MESJ	HE	120	9	ES		1851	34.72	0.05							1.0
MESJ	HN	120	9	AML		1851	36.10		2	0.3					

**February 9 2013 Hour: 21: 2 23.1 Lat: 10.96S Lon: 165.79E Depth: 16F Agency: IGL Distant  
Magnitudes: 6.6MS 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	BZ16918	352	EPKpdf			2122	10.26	0.03							1.0
GGNV	BZ16918	352	EPP			2125	58.53	0.01							1.0
GGNV	BE16918	352	AMS			2219	49.84		15394	29.9					
MESJ	BZ16997	350	EPKpdf			2122	11.31	0.00							1.0
MESJ	BZ16997	350	EPP			2126	2.61	0.03							1.0
MESJ	BN16997	350	ESS			2145	34.36	-0.07							1.0
MESJ	BZ16997	350	AMS			2240	11.40		9270	15.5					
MORF	BZ17063	350	EPKpdf			2122	12.29	0.06							1.0
MORF	BZ17063	350	EPP			2126	5.93	-0.07							1.0
MORF	BE17063	350	AMS			2223	17.35		9558	20.4					

**February 9 2013 Hour: 21:53 3.0 Lat: 36.74N Lon: 11.10W Depth: 31F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	227	73	EP		2153	33.88	-0.04							1.0
MORF	HE	227	73	ES		2153	56.46	-0.06							1.0
MORF	HE	227	73	AML		2153	57.31		3	0.1					
MESJ	HZ	283	64	EP		2153	40.79	-0.08							1.0
MESJ	HN	283	64	ES		2154	8.74	0.20							1.0
MESJ	HN	283	64	AML		2154	10.82		1	0.3					

**February 9 2013 Hour: 22:49 6.4 Lat: 10.98S Lon: 165.75E Depth: 41F Agency: IGL Distant  
Rms: 0.1 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16998	350	EPKpdf			23 8	50.87	0.06							1.0

**February 10 2013 Hour: 1:30 51.2 Lat: 11.07S Lon: 166.77E Depth: 35F Agency: IGL Distant**  
**Magnitudes: 5.5MS 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	BZ16945	353	EPK	pdf		150	35.67	0.02							1.0
GGNV	BZ16945	353	AMS			3 4	57.22			687	10.7				
MESJ	BZ17027	351	EPK	pdf		150	36.73	-0.04							1.0
MESJ	BZ17027	351	AMS			3 0	23.44			1073	21.3				
MORF	BZ17092	352	EPK	pdf		150	37.68	0.01							1.0
MORF	BE17092	352	AMS			3 1	48.73			560	26.1				

**February 10 2013 Hour: 5:12 24.3 Lat: 36.45N Lon: 11.23W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.1 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	249	EP			512	57.93	-0.02							1.0
MORF	HN	249	ES			513	22.50	-0.04							1.0
MORF	HN	249	AML			513	24.81			3	0.2				
MESJ	HZ	309	EP			513	5.31	-0.04							1.0
MESJ	HN	309	ES			513	35.45	0.10							1.0
MESJ	HN	309	AML			513	37.36			0.90	0.2				

**February 10 2013 Hour: 18:39 36.0 Lat: 10.98S Lon: 165.44E Depth: 35F Agency: IGL Distant**  
**Magnitudes: 6.2MS 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	BZ16914	351	EPK	pdf		1859	20.03	-0.01							1.0
GGNV	BZ16914	351	AMS			2016	29.07			3483	17.3				
MESJ	BZ16992	349	EPK	pdf		1859	21.10	-0.01							1.0
MESJ	BZ16992	349	AMS			20 2	17.51			3141	17.2				
MORF	BZ17058	349	EPK	pdf		1859	22.05	0.02							1.0
MORF	BZ17058	349	AMS			20 7	32.78			3143	19.9				

**February 11 2013 Hour: 9:40 23.8 Lat: 11.06S Lon: 166.74E Depth: 34F Agency: IDL Distant**  
**Magnitudes: 6.0MS 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
MESJ	BZ17025	351	EPK	pdf		10 0	9.54	0.03							1.0
MESJ	BZ17025	351	AMS			11 9	56.21			1953	17.9				

**February 11 2013 Hour: 14:24 4.1 Lat: 35.77N Lon: 8.71W Depth: 26F 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	171	EP			1424	28.38	-0.03							1.0
MORF	HE	171	ES			1424	46.03	-0.11							1.0
MORF	HN	171	AML			1424	47.92			29	0.2				
MESJ	HZ	234	EP			1424	36.30	0.07							1.0
MESJ	HN	234	ES			1424	59.75	0.08							1.0
MESJ	HN	234	AML			1425	1.60			9	0.1				

**February 11 2013 Hour: 19:13 1.8 Lat: 38.50N Lon: 92.37E Depth: 14F Agency: IGL Distant**  
**Magnitudes: 5.3MB IGL Rms: 0.0 secs**

**NORTHERN QINGHAI, CHINA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8301	EP			1924	40.94	0.04							1.0
MESJ	BZ	8301	AMb			1924	41.95			60	1.7				

February 12 2013 Hour: 1:23 57.5 Lat: 18.16S Lon: 177.93W Depth:526F Agency: IGL Distant  
Rms: 0.1 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17630		23	EP	Kpdf	142	53.80	-0.06							1.0
MORF	BZ17664		24	EP	Kpdf	142	54.33	0.06							1.0

February 12 2013 Hour: 6: 7 36.3 Lat: 36.46N Lon: 7.58W Depth: 20F Agency: IGL Regional  
Magnitudes: 1.3ML IGL  
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	163	340	EP		6 8	0.02	-0.08							1.0
MESJ	HE	163	340	ES		6 8	17.57	0.08							1.0
MESJ	HN	163	340	AML		6 8	23.81			3	0.7				

February 12 2013 Hour: 16:25 59.4 Lat: 38.16N Lon: 8.93W Depth: 9F Agency: IGL Regional  
Magnitudes: 0.9ML IGL  
Rms: 0.3 secs

W MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	72	119	EP		1626	10.72	-0.34							1.0
MESJ	HE	72	119	ES		1626	19.93	0.34							1.0
MESJ	HE	72	119	AML		1626	23.90			4	0.1				

February 12 2013 Hour: 21:10 8.1 Lat: 36.66N Lon: 7.17W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.3ML IGL  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	161	325	EP		2110	32.02	-0.02							1.0
MESJ	HN	161	325	ES		2110	49.52	0.02							1.0
MESJ	HN	161	325	AML		2110	50.79			4	0.3				

February 13 2013 Hour: 16:15 14.3 Lat: 36.04N Lon: 4.24W Depth: 0 Agency: IGL Regional  
Magnitudes: 2.5ML IGL  
Rms: 0.3 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	407	301	EP		1616	10.17	-0.14							1.0
MESJ	HN	407	301	ES		1616	51.65	0.43							1.0
MESJ	HN	407	301	AML		1616	55.79			13	0.4				
MORF	HZ	419	291	EP		1616	11.44	-0.35							1.0
MORF	HN	419	291	ES		1616	53.83	0.05							1.0
MORF	HN	419	291	AML		1616	57.17			14	0.3				

February 13 2013 Hour: 17:22 13.5 Lat: 41.19N Lon: 8.45W Depth: 7F Agency: IGL Regional  
Magnitudes: 3.0ML IGL  
Rms: 0.2 secs

NE VALONGO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	281	192	ES		1723	22.04	-0.03							1.0
GGNV	HN	281	192	AML		1723	28.17			139	0.5				
MESJ	HZ	372	177	EP		1723	4.90	0.39							1.0
MESJ	HE	372	177	ES		1723	41.55	-0.20							1.0
MESJ	HE	372	177	AML		1723	43.79			32	0.3				
MORF	HZ	431	182	EP		1723	11.98	0.13							0.9
MORF	HN	431	182	ES		1723	54.15	-0.29							0.9
MORF	HE	431	182	AML		1723	55.42			23	0.1				

February 13 2013 Hour: 22:34 5.1 Lat: 36.52N Lon: 7.65W Depth: 22F Agency: IGL Regional  
Magnitudes: 2.1ML IGL  
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	315	EP		2234	23.87	-0.16							1.0
MORF	HN	125	315	ES		2234	37.74	-0.09							1.0
MORF	HE	125	315	AML		2234	38.93			41	0.1				
MESJ	HZ	155	341	EP		2234	27.92	0.17							1.0

MESJ HE 155 341 ES 2234 44.34 0.09 1.0  
 MESJ HE 155 341 AML 2234 46.51 16 0.1

**February 13 2013 Hour: 22:41 52.5 Lat: 38.07N Lon: 8.26W Depth: 0 Agency: IGL Regional  
 Magnitudes: 0.5ML IGL Rms: 0.0 secs**

**W FERREIRA DO ALENTEJO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	26	172	EP		2241	56.72	0.02							1.0
MESJ	HE	26	172	ES		2241	59.73	-0.02							1.0
MESJ	HN	26	172	AML		2242	0.20			8	0.1				

**February 14 2013 Hour: 8:33 11.7 Lat: 37.35N Lon: 8.55W Depth: 18F Agency: IGL Regional  
 Magnitudes: 0.8ML IGL Rms: 0.2 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	242	EP		833	14.76	-0.33							1.0
MORF	HN	10	242	ES		833	17.68	0.15							1.0
MORF	HN	10	242	AML		833	18.55			35	0.1				
MESJ	HZ	62	28	EP		833	21.99	0.14							1.0
MESJ	HE	62	28	ES		833	29.29	0.06							1.0
MESJ	HE	62	28	AML		833	29.85			3	0.1				

**February 14 2013 Hour: 13:13 52.8 Lat: 67.58N Lon: 142.59E Depth: 10F Agency: IGL Distant  
 Magnitudes: 6.8MS IGL Rms: 0.1 secs**

**NORTHEASTERN SAKHA, RUSSIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	7979	337	EP		1325	15.33	-0.04							1.0
GGNV	BE	7979	337	ES		1334	36.39	-0.03							1.0
GGNV	BZ	7979	337	AMS		14	4	11.83		48306	19.1				
MESJ	BZ	8059	336	EP		1325	19.85	0.14							1.0
MESJ	BN	8059	336	ES		1334	44.57	-0.15							1.0
MESJ	BZ	8059	336	AMS		14	5	13.97		34373	16.5				
MORF	BZ	8124	336	EP		1325	23.26	0.00							1.0
MORF	BE	8124	336	ES		1334	51.59	0.08							1.0
MORF	BZ	8124	336	AMS		14	0	29.34		44425	18.1				

**February 15 2013 Hour: 0:17 6.1 Lat: 36.63N Lon: 8.07W Depth: 31F Agency: IGL Regional  
 Magnitudes: 1.1ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	91	326	EP		017	20.25	0.08							1.0
MORF	HN	91	326	ES		017	30.51	0.05							1.0
MORF	HN	91	326	AML		017	31.42			4	0.2				
MESJ	HN	135	354	ES		017	39.68	-0.13							1.0
MESJ	HN	135	354	AML		017	40.63			3	0.1				

**February 15 2013 Hour: 3: 2 23.2 Lat: 19.72S Lon: 174.48W Depth: 72F Agency: IGL Distant  
 Magnitudes: 5.1MS 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	BZ17493	31	EPKpdf			322	10.06	0.15							1.0
GGNV	BE17493	31	AMS			431	13.11			1629	33.6				
MESJ	BZ17620	31	EPKpdf			322	11.21	-0.15							1.0
MESJ	BZ17620	31	EPP			326	26.99	0.05							1.0
MESJ	BZ17620	31	AMS			424	54.28			165	24.0				
MORF	BZ17643	32	EPKpdf			322	11.62	-0.05							1.0
MORF	BE17643	32	AMS			422	7.78			190	19.3				



February 15 2013 Hour: 3:41 0.6 Lat: 32.02N Lon: 12.12W Depth: 10F Agency: IGL Regional  
Magnitudes: 2.4ML IGL Rms: 0.3 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	667	28	EP		342	27.27	0.06							1.0
MORF	HN	667	28	ES		343	30.09	-0.33							1.0
MORF	HN	667	28	AML		343	32.28			5	0.2				
MESJ	HN	737	28	ES		343	45.13	0.29							1.0
MESJ	HN	737	28	AML		343	50.14			3	0.3				

February 15 2013 Hour: 19:55 30.5 Lat: 17.75S Lon: 178.78W Depth: 547F 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	BZ17621		21	EPKpdf		2014	24.60	-0.05							1.0
MORF	BZ17658		22	EPKpdf		2014	25.14	0.05							1.0

February 15 2013 Hour: 21:53 31.5 Lat: 33.48N Lon: 5.70W Depth: 21F Agency: IGL Regional  
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	502	329	EP		2154	37.11	0.02							1.0
MESJ	HZ	535	335	EP		2154	41.00	-0.02							1.0

February 16 2013 Hour: 4:37 36.1 Lat: 5.76N Lon: 125.84E Depth: 98F Agency: IGL Distant  
Magnitudes: 5.6MS IGL Rms: 0.1 secs

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13262		319	EPKpdf		456	13.26	-0.09							1.0
MESJ	BZ13262		319	EPP		457	34.89	0.17							1.0
MESJ	BZ13262		319	AMS		553	33.49			1276	23.8				
GGNV	BN13272		321	AMS		6	3	18.29		1377	12.9				
MORF	BZ13328		319	EPKpdf		456	14.34	-0.19							1.0
MORF	BZ13328		319	EPP		457	38.98	0.18							1.0
MORF	BZ13328		319	AMS		556	20.64			1276	17.3				
GGNV	BZ13272		321	EPP		457	35.19	-0.07							1.0

February 16 2013 Hour: 5:16 16.0 Lat: 36.08S Lon: 177.93E Depth: 190F Agency: IGL Distant  
Rms: 0.0 secs

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ19323		63	EPKpdf		536	2.08	-0.03							1.0
MORF	BZ19411		75	EPKpdf		536	2.48	0.02							1.0
MESJ	BZ19433		69	EPKpdf		536	2.48	0.01							1.0

February 16 2013 Hour: 22:17 31.2 Lat: 43.51N Lon: 146.75E Depth: 43F Agency: IGL Distant  
Magnitudes: 5.3MB IGL Rms: 0.0 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10660		340	EP		2230	52.93	0.03							1.0
MESJ	BZ10660		340	AMb		2230	55.75			24	1.8				
MORF	BZ10728		340	EP		2230	55.69	-0.03							1.0
MORF	BZ10728		340	AMb		2230	59.75			25	2.0				

February 17 2013 Hour: 1:36 47.2 Lat: 36.15N Lon: 8.15W Depth: 4F Agency: IGL Regional  
Magnitudes: 2.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	136	341	EP		137	8.77	-0.11							1.0
MORF	HN	136	341	ES		137	24.87	0.13							1.0
MORF	HN	136	341	AML		137	27.70			132	0.2				
MESJ	HZ	188	358	EP		137	15.35	-0.16							1.0
MESJ	HN	188	358	ES		137	36.35	0.14							1.0

MESJ HN 188 358 AML 137 41.83 48 0.3

**February 17 2013 Hour: 2:20 3.3 Lat: 38.75N Lon: 7.67W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.3 secs**

**SW ESTREMOZ, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	112	206	EP		220	20.71	-0.26							1.0
MESJ	HE	112	206	ES		220	34.14	0.26							1.0
MESJ	HN	112	206	AML		220	36.10			4	0.2				

**February 17 2013 Hour: 2:25 55.6 Lat: 33.76N Lon: 8.92W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 2.5ML 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	394	3	EP		226	48.05	-0.25							1.0
MORF	HE	394	3	ES		227	26.96	0.18							1.0
MORF	HN	394	3	AML		227	28.46			14	0.3				
MESJ	HZ	457	8	EP		226	56.14	0.22							1.0
MESJ	HN	457	8	ES		227	39.82	-0.15							1.0
MESJ	HN	457	8	AML		227	43.45			8	0.3				

**February 17 2013 Hour: 5:42 4.9 Lat: 36.60N Lon: 21.53E Depth: 15F Agency: IGL Distant**  
**Magnitudes: 4.5MB IGL Rms: 0.1 secs**

**SOUTHERN GREECE Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2633	282	EP		547	16.04	0.00							1.0
MESJ	BZ	2633	282	AMb		547	17.69			22	0.7				
MORF	BZ	2678	281	EP		547	19.84	0.06							1.0
MORF	BZ	2678	281	AMb		547	20.99			33	2.9				
MORF	BN	2678	281	ES		551	37.88	-0.06							1.0

**February 17 2013 Hour: 10:40 50.0 Lat: 37.33N Lon: 8.53W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.1 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	256	EP		1040	52.22	-0.20							1.0
MORF	HE	11	256	ES		1040	54.29	0.07							1.0
MORF	HN	11	256	AML		1040	55.11			33	0.3				
MESJ	HN	63	26	ES		1041	7.85	0.13							1.0
MESJ	HN	63	26	AML		1041	8.64			1	0.2				

**February 18 2013 Hour: 1:15 23.7 Lat: 36.92N Lon: 8.66W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	1	EP		115	31.35	0.03							1.0
MORF	HN	43	1	ES		115	36.85	-0.06							1.0
MORF	HN	43	1	AML		115	38.02			6	0.1				
MESJ	HZ	109	21	EP		115	40.56	0.05							1.0
MESJ	HE	109	21	ES		115	52.80	-0.01							1.0
MESJ	HN	109	21	AML		115	54.09			1	0.1				

**February 18 2013 Hour: 12:19 19.0 Lat: 30.68S Lon: 178.13W Depth: 34F Agency: IGL Distant**  
**Magnitudes: 5.8MS IGL Rms: 0.1 secs**

**KERMADEC ISLANDS, NEW ZEALAND Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18675	46	EPKpdf			1239	21.32	0.16							1.0
GGNV	BE18675	46	AMS			1354	15.72			1670	13.3				
MESJ	BZ18799	47	EPKpdf			1239	21.81	-0.14							1.0
MESJ	BZ18799	47	EPP			1244	23.33	0.08							1.0
MESJ	BZ18799	47	AMS			1353	10.78			827	19.8				
MORF	BZ18803	50	EPKpdf			1239	21.87	-0.15							1.0
MORF	BZ18803	50	EPP			1244	23.51	0.04							1.0
MORF	BZ18803	50	AMS			1353	25.27			1030	24.4				

**February 18 2013 Hour: 13:27 0.3 Lat: 36.66N Lon: 9.67W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 3.0ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	51	EP		1327	18.36	-0.08							1.0
MORF	HN	116	51	ES		1327	31.64	-0.02							1.0
MORF	HN	116	51	AML		1327	32.20			376	0.1				
MESJ	HZ	184	44	EP		1327	26.83	-0.01							1.0
MESJ	HN	184	44	ES		1327	46.30	0.11							1.0
MESJ	HN	184	44	AML		1327	48.17			90	0.2				

**February 18 2013 Hour: 16:32 51.0 Lat: 30.68S Lon: 178.17W Depth: 84F Agency: IGL Distant**  
**Magnitudes: 5.2MS IGL 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	BZ18802		47	EPKpdf		1652	47.75	0.03							1.0
MESJ	BZ18802		47	AMS		1811	8.52			338	23.4				
MORF	BZ18806		50	EPKpdf		1652	47.77	-0.03							1.0
MORF	BZ18806		50	AMS		18 6	51.38			355	19.8				

**February 19 2013 Hour: 14: 4 28.4 Lat: 33.81N Lon: 12.72W Depth: 22F Agency: IGL Regional**  
**Magnitudes: 3.2ML IGL Rms: 0.1 secs**

**MADEIRA ISLANDS, PORTUGAL REGION Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	535	42	EP		14 5	37.73	-0.12							1.0
MORF	HE	535	42	ES		14 6	28.60	0.05							1.0
MORF	HN	535	42	AML		14 6	31.87			74	0.3				
MESJ	HE	604	41	ES		14 6	43.03	0.07							1.0
MESJ	HN	604	41	AML		14 6	47.04			18	0.3				

**February 19 2013 Hour: 15:27 7.2 Lat: 36.25N Lon: 9.94W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	164	44	EP		1527	30.34	-0.09							1.0
MORF	HN	164	44	ES		1527	47.32	-0.03							1.0
MORF	HN	164	44	AML		1527	48.76			8	0.3				
MESJ	HZ	234	40	EP		1527	38.90	-0.10							1.0
MESJ	HN	234	40	ES		1528	2.41	0.23							1.0
MESJ	HN	234	40	AML		1528	4.83			2	0.1				

**February 19 2013 Hour: 22:29 1.4 Lat: 17.42S Lon: 173.42W Depth: 35F Agency: IGL Distant**  
**Magnitudes: 5.4MS IGL Rms: 0.0 secs**

**TONGA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17345		30	EPKpdf		2248	51.06	0.01							1.0
MESJ	BZ17345		30	AMS		2352	55.65			560	22.7				
MORF	BZ17369		31	EPKpdf		2248	51.38	-0.01							1.0
MORF	BZ17369		31	AMS		2353	23.01			759	23.3				

**February 20 2013 Hour: 9:56 5.2 Lat: 10.58N Lon: 41.08W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.1MB IGL Rms: 0.0 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4395	42	EP		10 3	35.98	0.04							1.0
MORF	BZ	4395	42	AMb		10 3	41.82			52	1.5				
MESJ	BZ	4459	42	EP		10 3	40.69	-0.04							1.0
MESJ	BZ	4459	42	AMb		10 3	44.08			52	1.5				

**February 20 2013 Hour: 11:18 51.0 Lat: 27.75S Lon: 66.28W Depth:130F Agency: IGL Distant**  
**Magnitudes: 5.0MB IGL Rms: 0.1 secs**

**CATAMARCA, ARGENTINA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9447	42	EP		1131	11.35	-0.06							1.0
MESJ	BZ	9447	42	AMb		1131	14.19			30	1.1				

**February 20 2013 Hour: 21:23 9.1 Lat: 18.64N Lon: 103.87W Depth: 16F Agency: IGL Distant**  
**Magnitudes: 5.6MS IGL Rms: 0.3 secs**

**OFFSHORE COLIMA, MEXICO Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9141	52	EP		2135	29.27	-0.04							1.0
GGNV	BE	9141	52	AMS		22	6	46.97		1922	10.9				
MORF	BZ	9230	53	EP		2135	33.18	-0.41							1.0
MORF	BN	9230	53	ES		2145	52.94	0.32							1.0
MORF	BZ	9230	53	AMS		2220	1.87			1079	16.4				
MESJ	BZ	9248	53	EP		2135	34.48	0.12							1.0
MESJ	BZ	9248	53	AMS		2215	42.18			1851	13.0				

**February 21 2013 Hour: 0:17 54.7 Lat: 35.61N Lon: 6.85W Depth: 58F Agency: IGL Regional**  
**Magnitudes: 2.4ML IGL Rms: 0.2 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	248	320	EP		018	28.10	-0.17							1.0
MORF	HN	248	320	ES		018	52.78	0.00							1.0
MORF	HN	248	320	AML		018	57.47			23	0.2				
MESJ	HZ	277	334	EP		018	31.90	0.27							1.0
MESJ	HN	277	334	ES		018	58.49	-0.10							1.0
MESJ	HE	277	334	AML		019	3.32			14	0.1				

**February 21 2013 Hour: 12: 9 5.4 Lat: 38.31N Lon: 13.31W Depth: 19F 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	425	104	EP		1210	1.47	-0.39							1.0
MORF	HE	425	104	ES		1210	43.03	-0.02							1.0
MORF	HE	425	104	AML		1210	45.84			37	0.1				
MESJ	HZ	450	95	EP		1210	5.17	0.36							1.0
MESJ	HN	450	95	ES		1210	48.20	0.05							1.0
MESJ	HN	450	95	AML		1210	54.77			41	0.2				

**February 22 2013 Hour: 12: 1 59.0 Lat: 27.99S Lon: 63.19W Depth:586F Agency: IGL Distant**  
**Magnitudes: 5.6MB IGL Rms: 0.1 secs**

**SANTIAGO DEL ESTERO, ARGENTINA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9198	41	EP		1213	22.05	-0.05							1.0
MORF	BZ	9198	41	AMb		1213	25.49			428	1.5				
MESJ	BZ	9266	41	EP		1213	25.06	-0.03							1.0
MESJ	BZ	9266	41	AMb		1213	27.93			590	1.1				
GGNV	BZ	9274	40	EP		1213	25.49	0.08							1.0
GGNV	BZ	9274	40	AMb		1213	30.15			673	1.7				

**February 22 2013 Hour: 22:59 3.3 Lat: 36.61N Lon: 7.24W Depth: 19F Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	148	302	EP		2259	25.17	-0.08							1.0
MESJ	HZ	162	328	EP		2259	26.90	-0.09							1.0
MESJ	HN	162	328	ES		2259	44.48	0.17							1.0
MESJ	HN	162	328	AML		2259	49.54			16	0.1				

**February 23 2013 Hour: 3:27 18.6 Lat: 37.34N Lon: 8.54W Depth: 6F 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	11	249	EP		327	20.43	-0.18							1.0
MORF	HE	11	249	ES		327	22.19	0.12							1.0
MORF	HN	11	249	AML		327	22.73			136	0.2				
MESJ	HZ	62	27	EP		327	28.81	0.11							1.0
MESJ	HE	62	27	ES		327	36.03	-0.04							1.0
MESJ	HN	62	27	AML		327	37.36			3	0.2				

**February 24 2013 Hour: 0:56 13.1 Lat: 37.09N Lon: 8.06W Depth: 18F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs**

**SW LOULE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	58	295	EP		056	22.53	-0.11							1.0
MORF	HE	58	295	ES		056	29.78	0.17							1.0
MORF	HE	58	295	AML		056	30.63			15	0.2				
MESJ	HZ	84	350	EP		056	26.66	0.04							1.0
MESJ	HE	84	350	ES		056	36.39	-0.10							1.0
MESJ	HN	84	350	AML		056	37.36			4	0.2				

**February 24 2013 Hour: 1:05 53.5 Lat: 37.06N Lon: 8.82W Depth: 20F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	31	29	EP		1 0	59.23	-0.16							1.0
MORF	HN	31	29	ES		1 1	3.71	0.03							1.0
MORF	HN	31	29	AML		1 1	4.53			61	0.1				
MESJ	HZ	102	31	EP		1 1	9.50	-0.06							1.0
MESJ	HN	102	31	ES		1 1	21.47	0.20							1.0
MESJ	HN	102	31	AML		1 1	22.84			7					

**February 24 2013 Hour: 6:20 55.5 Lat: 37.32N Lon: 8.57W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.1 secs**

**NW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	258	EP		620	58.04	-0.18							1.0
MORF	HE	7	258	ES		621	0.33	0.11							1.0
MORF	HN	7	258	AML		621	1.75			64	0.1				
MESJ	HZ	65	28	EP		621	6.19	0.10							1.0
MESJ	HN	65	28	ES		621	13.80	-0.03							1.0
MESJ	HN	65	28	AML		621	14.50			25	0.1				

**February 25 2013 Hour: 1:16 53.6 Lat: 36.16N Lon: 7.67W Depth: 26F Agency: IGL Regional  
Magnitudes: 1.5ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	193	345	EP		117	20.57	-0.06							1.0
MESJ	HN	193	345	ES		117	40.41	0.06							1.0
MESJ	HN	193	345	AML		117	42.73			4	0.6				

**February 25 2013 Hour: 21:17 4.7 Lat: 37.13N Lon: 12.61W Depth: 0 Agency: IGL Regional  
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	352	86	EP		2117	53.87	-0.01							1.0

**February 26 2013 Hour: 9:42 25.1 Lat: 36.26N Lon: 9.70W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	149	39	EP		942	48.35	0.02							1.0
MORF	HN	149	39	ES		943	5.24	-0.02							1.0
MORF	HN	149	39	AML		943	6.91			9	0.1				

**February 27 2013 Hour: 17:43 28.0 Lat: 37.19N Lon: 12.86W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 2.6ML 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	374	87	EP		1744	17.97	-0.02							1.0
MORF	HN	374	87	ES		1744	54.49	0.02							1.0
MORF	HN	374	87	AML		1745	0.77			21	0.4				
MESJ	HE	416	79	ES		1745	3.55	0.00							1.0
MESJ	HE	416	79	AML		1745	8.11			14	0.5				

**February 27 2013 Hour: 17:45 56.3 Lat: 37.24N Lon: 12.78W Depth: 1F Agency: IGL Regional**  
**Magnitudes: 0.9ML 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	88	EP		1746	46.87	-0.24							1.0
MESJ	HZ	408	79	EP		1746	52.56	0.25							1.0

**February 27 2013 Hour: 17:47 29.9 Lat: 37.26N Lon: 12.73W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.0 secs**

**AZORES-CAPE ST. VICENT 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	20.33	-0.01							1.0

**February 27 2013 Hour: 22:11 12.7 Lat: 37.64N Lon: 7.88W Depth: 6F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.0 secs**

**W MERTOLA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	37	307	EP		2211	18.82	-0.02							1.0
MESJ	HE	37	307	ES		2211	23.30	0.02							1.0
MESJ	HE	37	307	AML		2211	26.41			12	0.2				

**February 28 2013 Hour: 3: 9 44.1 Lat: 17.77S Lon: 167.34E Depth: 15F Agency: IGL Distant**  
**Magnitudes: 5.8MS IGL Rms: 0.0 secs**

**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17684	352	EPKpdf			329	40.70	0.05							1.0
GGNV	BE17684	352	AMS			438	58.42			1673	18.8				
MESJ	BZ17765	350	EPKpdf			329	41.54	0.01							1.0
MESJ	BZ17765	350	AMS			453	44.43			1333	16.7				
MORF	BZ17830	351	EPKpdf			329	42.21	-0.05							1.0
MORF	BZ17830	351	AMS			443	30.40			1052	18.9				

**February 28 2013 Hour: 14: 5 51.3 Lat: 50.93N Lon: 157.34E Depth: 52F Agency: IGL Distant**  
**Magnitudes: 6.7MS IGL Rms: 0.3 secs**

**KURIL ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9992	349	EP		1418	44.20	-0.05							1.0
GGNV	BZ	9992	349	EPP		1422	18.41	0.48							0.9
GGNV	BN	9992	349	ES		1429	10.43	-0.09							1.0
GGNV	BZ	9992	349	AMS		15	5	46.96		33471	21.9				
MESJ	BZ10076	349	EP			1418	47.82	0.01							1.0
MESJ	BZ10076	349	EPP			1422	24.14	0.20							1.0
MESJ	BN10076	349	ES			1429	14.62	-0.34							1.0
MESJ	BN10076	349	ESS			1435	44.35	-0.01							1.0
MESJ	BZ10076	349	AMS			15	6	8.36		26344	21.0				

MORF	BZ10140	349	EP	1418	50.62	0.07										1.0
MORF	BZ10140	349	EPP	1422	28.00	-0.58										0.9
MORF	BN10140	349	ES	1429	18.64	0.25										1.0
MORF	BN10140	349	AMS	15	5	7.44							34506	23.9		

**February 28 2013 Hour: 17:45 59.1 Lat: 35.85N Lon: 5.01W Depth: 60F Agency: IGL Regional**  
**Magnitudes: 3.2ML IGL Rms: 0.4 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	362	309	EP		1746	46.05	-0.31							1.0
MESJ	HE	362	309	ES		1747	21.24	0.36							1.0
MESJ	HN	362	309	AML		1747	25.37			64	0.2				
MORF	HZ	364	297	EP		1746	46.18	-0.49							1.0
MORF	HE	364	297	ES		1747	21.84	0.44							1.0
MORF	HE	364	297	AML		1747	25.39			81	0.2				

**February 28 2013 Hour: 18:7 45.9 Lat: 10.88S Lon: 165.95E Depth: 21F Agency: IGL Distant**  
**Magnitudes: 5.5MS IGL Rms: 0.3 secs**

**SANTA CRUZ ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16991	350	EPKpdf			1827	33.46	0.29							1.0
MESJ	BZ16991	350	AMS			1942	7.94			533	16.9				
MORF	BZ17057	350	EPKpdf			1827	33.80	-0.29							1.0
MORF	BZ17057	350	AMS			1940	42.43			799	20.2				