

# Seismological Bulletin

from the

## IGIDL Seismic Network

July to August

2010

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[WWW.IGIDL.UL.PT/SISMOLOGIA\\_NEW.HTM](http://WWW.IGIDL.UL.PT/SISMOLOGIA_NEW.HTM)

## STATIONS USED

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

Lisboa (IGIDL)  
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Almeirim (Fazendas)  
ALMR

Latitude	39.1554N
Longitude	8.5768W
Height	165m

Marmelete (Picos)  
MORF

Latitude	37.3063N
Longitude	8.6508W
Height	650m

Messejana  
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

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

Latitude	38.5280N
Longitude	8.12360W
Height	100m

**July 1 2010 Hour: 7:12 49.7 Lat: 37.31N Lon: 8.53W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 1.0ML 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	11	268	EP		712	52.53	-0.21							1.0
MORF	HE	11	268	ES		712	55.06	0.12							1.0
MORF	HE	11	268	AML		712	55.50			55	0.0				
MESJ	HN	65	25	ES		713	8.04	0.10							1.0
MESJ	HN	65	25	AML		713	8.69			6	0.2				

**July 1 2010 Hour: 11:1 4.9 Lat: 35.91N Lon: 10.05W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.4ML 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	200	39	EP		11	1	34.92	-0.25						1.0
MORF	HN	200	39	ES		11	1	57.43	0.16						1.0
MORF	HN	200	39	AML		11	1	58.66			5	0.2			
MESJ	HN	270	37	ES		11	2	12.35	0.09						1.0
MESJ	HE	270	37	AML		11	2	13.63			1	0.1			

**July 1 2010 Hour: 16:57 50.1 Lat: 5.15S Lon: 129.38E Depth: 35F Agency: IGL Distant**  
**Magnitudes: 5.1MS IGL Rms: 0.3 secs**  
**BANDA SEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14422	316	316	EP		1716	55.38	0.44							1.0
MESJ	BZ14422	316	316	EPP		1719	5.32	-0.13							1.0
MESJ	BZ14422	316	316	AMS		1819	47.18			428	20.6				
MORF	BZ14484	316	316	EP		1716	56.00	-0.05							1.0
MORF	BZ14484	316	316	EPP		1719	8.91	-0.24							1.0
MORF	BN14484	316	316	AMS		1819	56.44			495	32.3				

**July 2 2010 Hour: 1:44 41.7 Lat: 36.56N Lon: 7.48W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	133	309	EP		145	1.72	-0.07							1.0
MORF	HE	133	309	ES		145	16.39	-0.08							1.0
MORF	HE	133	309	AML		145	17.16				5	0.2			
MESJ	HZ	156	335	EP		145	4.72	0.08							1.0
MESJ	HN	156	335	ES		145	21.49	0.08							1.0
MESJ	HN	156	335	AML		145	22.36				2	0.1			

**July 2 2010 Hour: 4:43 8.7 Lat: 36.59N Lon: 12.16W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.2 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	323	75	EP		443	54.10	-0.17							1.0
MORF	HN	323	75	ES		444	27.56	-0.01							1.0
MORF	HE	323	75	AML		444	28.34				10	0.1			
MESJ	HE	377	67	ES		444	39.25	0.19							1.0
MESJ	HE	377	67	AML		444	39.65				6				

**July 2 2010 Hour: 6:4 4.9 Lat: 13.66S Lon: 166.41E Depth: 35F Agency: IGL Distant**  
**Magnitudes: 6.4MS IGL Rms: 0.2 secs**  
**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17223	352	352	EP		623	53.14	0.15							1.0
GGNV	BZ17223	352	352	EPP		627	53.08	0.10							1.0
GGNV	BE17223	352	352	AMS		735	26.54			5012	21.5				
MESJ	BZ17302	350	350	EPP		627	56.75	-0.25							1.0
MESJ	BZ17302	350	350	AMS		747	6.86			5355	17.4				
MORF	BZ17368	350	350	EP		623	55.10	0.25							1.0
MORF	BZ17368	350	350	EPP		627	59.98	-0.37							1.0

MORF BZ17368 350 AMS 744 20.92 3697 14.4

**July 3 2010 Hour: 5:33 50.4 Lat: 38.09N Lon: 1.14W Depth: 4F Agency: IGL Regional**  
**Magnitudes: 1.9ML 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	623	270	EP		535	12.26	0.02							1.0
MESJ	HE	623	270	ES		536	11.95	-0.02							1.0
MESJ	HE	623	270	AML		536	12.83			2	0.4				

**July 3 2010 Hour: 6:52 34.1 Lat: 36.73N Lon: 9.42W Depth: 25F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	94	47	EP		652	48.95	0.07							1.0
MORF	HE	94	47	ES		652	59.69	0.00							1.0
MORF	HE	94	47	AML		652	59.91			2	0.1				
MESJ	HZ	163	40	EP		652	57.46	0.02							1.0
MESJ	HN	163	40	ES		653	14.39	-0.10							1.0
MESJ	HE	163	40	AML		653	14.90			1	0.2				

**July 4 2010 Hour: 1:3 50.8 Lat: 37.31N Lon: 8.54W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.1 secs**  
**E MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	268	EP		1	3	52.74	-0.20						1.0
MORF	HE	10	268	ES		1	3	54.57	0.10						1.0
MORF	HE	10	268	AML		1	3	55.29		132	0.2				
MESJ	HZ	65	26	EP		1	4	1.56	0.13						1.0
MESJ	HE	65	26	ES		1	4	9.15	-0.02						1.0
MESJ	HE	65	26	AML		1	4	10.02		5	0.1				

**July 4 2010 Hour: 6:57 45.8 Lat: 8.48S Lon: 80.38W Depth: 35F Agency: IGL Distant**  
**Magnitudes: 5.1MS IGL Rms: 0.1 secs**  
**OFF COAST OF NORTHERN PERU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9001	50	EP		7	9	56.59	0.10						1.0
MORF	BZ	9001	50	AMS		743	14.49			1060	22.3				
GGNV	BZ	9008	49	EP		7	9	56.70	-0.05						1.0
GGNV	BE	9008	49	AMS		744	6.55			1022	19.7				
MESJ	BZ	9055	50	EP		7	9	58.85	-0.18						1.0
MESJ	BN	9055	50	ES		720	8.15	0.13							1.0
MESJ	BZ	9055	50	AMS		743	16.79			942	25.1				

**July 4 2010 Hour: 9:22 44.1 Lat: 35.84N Lon: 7.31W Depth: 28F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	202	324	ES		923	32.70	0.05							1.0
MORF	HE	202	324	AML		923	33.86			2	0.2				
MESJ	HZ	236	340	EP		923	16.27	-0.08							1.0
MESJ	HE	236	340	ES		923	39.95	0.03							1.0
MESJ	HN	236	340	AML		923	40.82			2	0.2				

**July 4 2010 Hour: 18:15 5.4 Lat: 36.72N Lon: 7.25W Depth: 22F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	141	298	ES		1815	41.56	0.11							1.0
MORF	HN	141	298	AML		1815	41.90			5	0.2				
MESJ	HZ	151	326	EP		1815	27.41	-0.08							1.0
MESJ	HE	151	326	ES		1815	43.63	-0.02							1.0
MESJ	HE	151	326	AML		1815	44.24			2	0.1				

**July 4 2010 Hour: 21:55 52.0 Lat: 39.71N Lon: 142.52E Depth: 24F Agency: IGL Distant**  
**Magnitudes: 6.5MS IGL Rms: 0.2 secs**

**NEAR EAST COAST OF HONSHU, JAPAN Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10867	338		EP		22	9	24.94	0.26						1.0
GGNV	BZ10867	338		EPP		2213	22.92	0.01							1.0
GGNV	BN10867	338		AMS		2258	52.71			16748	17.4				
MESJ	BZ10927	337		EP		22	9	27.33	0.21						1.0
MESJ	BZ10927	337		EPP		2213	26.90	-0.16							1.0
MESJ	BZ10927	337		AMS		23	1	28.69		11362	13.8				
MORF	BZ10996	337		EP		22	9	29.82	-0.27						1.0
MORF	BZ10996	337		EPP		2213	31.82	-0.05							1.0
MORF	BZ10996	337		AMS		2259	42.13			11130	17.9				

**July 5 2010 Hour: 0:55 41.1 Lat: 36.58N Lon: 2.32W Depth: 0 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	542	287	EP		056	53.47	-0.09							1.0

**July 5 2010 Hour: 1:54 56.4 Lat: 36.65N Lon: 2.33W Depth: 5F Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	539	286	EP		156	7.98	0.05							1.0
MESJ	HN	539	286	ES		157	0.12	-0.05							1.0
MESJ	HN	539	286	AML		157	3.44			9	0.3				

**July 5 2010 Hour: 7:42 10.4 Lat: 36.72N Lon: 9.02W Depth: 27F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	73	27	EP		742	22.40	0.07							1.0
MORF	HN	73	27	ES		742	30.90	-0.13							1.0
MORF	HN	73	27	AML		742	31.86			53	0.1				
MESJ	HZ	143	29	EP		742	31.20	0.00							1.0
MESJ	HE	143	29	ES		742	46.42	0.05							1.0
MESJ	HN	143	29	AML		742	47.74			9	0.4				

**July 5 2010 Hour: 8:15 2.5 Lat: 36.60N Lon: 11.28W Depth: 22F Agency: IGL Regional**  
**Magnitudes: 2.3ML IGL Rms: 0.2 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	247	71	EP		815	36.88	0.31							1.0
MORF	HE	247	71	ES		816	1.56	0.12							1.0
MORF	HN	247	71	ES		816	1.95								
MORF	HN	247	71	AML		816	2.08			33	0.1				
MESJ	HZ	304	62	EP		815	43.45	-0.23							1.0
MESJ	HE	304	62	ES		816	13.52	-0.22							1.0
MESJ	HE	304	62	AML		816	14.62			7	0.4				

**July 5 2010 Hour: 9:18 20.9 Lat: 36.60N Lon: 2.33W Depth: 1 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	540	286	EP		919	33.08	0.08							1.0

July 5 2010 Hour: 10:41 10.0 Lat: 36.59N Lon: 2.30W Depth: 0 Agency: IGL Regional  
Magnitudes: 3.1ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	543	287	EP		1042	22.70	0.06							1.0
MESJ	HE	543	287	ES		1043	15.61	-0.03							1.0
MESJ	HE	543	287	AML		1043	19.20			30	0.7				
MORF	HZ	571	280	EP		1042	25.71	-0.32							1.0
MORF	HN	571	280	ES		1043	21.81	0.30							1.0
MORF	HN	571	280	AML		1043	24.40			29	0.6				

July 5 2010 Hour: 14:38 27.8 Lat: 36.54N Lon: 7.94W Depth: 29F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	106	324	EP		1438	43.78	-0.05							1.0
MORF	HN	106	324	ES		1438	55.63	0.05							1.0
MORF	HE	106	324	AML		1438	56.93			4	0.3				

July 6 2010 Hour: 1:48 45.9 Lat: 36.60N Lon: 7.15W Depth: 17F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	167	326	EP		149	10.32	-0.10							1.0
MESJ	HE	167	326	ES		149	28.45	0.10							1.0
MESJ	HE	167	326	AML		149	28.75			1	0.1				

July 6 2010 Hour: 8:52 25.7 Lat: 31.19N Lon: 7.60W Depth: 31F Agency: IGL Regional  
Magnitudes: 2.2ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	685	352	EP		853	52.71	0.04							1.0
MESJ	HZ	740	356	EP		853	58.95	-0.10							1.0
MESJ	HN	740	356	ES		855	7.24	0.05							1.0
MESJ	HN	740	356	AML		855	8.65			2	0.3				

July 6 2010 Hour: 14:45 24.0 Lat: 36.57N Lon: 2.35W Depth: 8F Agency: IGL Regional  
Magnitudes: 2.6ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	539	287	EP		1446	35.13	-0.17							1.0
MESJ	HE	539	287	ES		1447	27.51	0.17							1.0
MESJ	HE	539	287	AML		1447	28.80			9	0.4				

July 6 2010 Hour: 16:9 6.5 Lat: 37.37N Lon: 2.16W Depth: 2F Agency: IGL Regional  
Magnitudes: 2.3ML IGL Rms: 0.2 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	538	277	EP		1610	18.43	0.17							1.0
MESJ	HE	538	277	ES		1611	10.42	-0.20							1.0
MESJ	HE	538	277	AML		1611	13.90			4	0.3				
MORF	HZ	575	271	EP		1610	23.00	0.16							1.0
MORF	HN	575	271	ES		1611	18.42	-0.13							1.0
MORF	HN	575	271	AML		1611	21.85			5	0.4				

July 6 2010 Hour: 20:38 18.2 Lat: 36.58N Lon: 2.34W Depth: 5F Agency: IGL Regional  
Magnitudes: 2.3ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	540	287	EP		2039	29.72	-0.16							1.0
MORF	HZ	568	280	EP		2039	33.42	0.16							1.0

**July 6 2010 Hour: 23: 7 12.1 Lat: 37.36N Lon: 8.46W Depth: 0 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	18	251	EP		23	7	14.69	-0.29						1.0
MORF	HE	18	251	ES		23	7	17.10	0.01						1.0
MORF	HE	18	251	AML		23	7	17.52		25	0.2				
MESJ	HZ	57	22	EP		23	7	21.45	0.13						1.0
MESJ	HN	57	22	ES		23	7	28.22	0.15						1.0
MESJ	HN	57	22	AML		23	7	29.04		8	0.5				

**July 7 2010 Hour: 6:50 43.8 Lat: 6.22S Lon: 154.39E Depth: 54F Agency: IGL Distant**  
**Magnitudes: 5.6MS IGL Rms: 0.3 secs**

**BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16072	338	EP			710	13.60	0.38							1.0
GGNV	BE16072	338	AMS			826	23.83			1686	28.1				
MESJ	BZ16116	336	EP			710	13.36	-0.12							1.0
MESJ	BZ16116	336	AMS			824	45.09			808	16.6				
MORF	BZ16186	336	EP			710	15.35	-0.25							1.0
MORF	BZ16186	336	AMS			817	52.15			1030	20.7				

**July 7 2010 Hour: 12:51 43.1 Lat: 42.29N Lon: 7.87W Depth: 11F Agency: IGL Regional**  
**Rms: 0.1 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	495	184	EP		1252	48.79	0.14							1.0

**July 7 2010 Hour: 18:27 28.4 Lat: 37.33N Lon: 8.56W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.2 secs**

**N MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	252	EP		1827	30.88	-0.18							1.0
MORF	HE	8	252	ES		1827	33.12	0.10							1.0
MORF	HE	8	252	AML		1827	33.38			143	0.2				
MESJ	HZ	64	28	EP		1827	39.03	0.28							1.0
MESJ	HN	64	28	ES		1827	46.14	-0.20							1.0
MESJ	HN	64	28	AML		1827	47.15			6	0.5				

**July 7 2010 Hour: 23: 1 21.2 Lat: 36.82N Lon: 10.76W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 2.4ML 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	195	73	EP		23	1	48.23	0.05						1.0
MORF	HE	195	73	ES		23	2	7.76	-0.15						1.0
MORF	HN	195	73	AML		23	2	8.24		60	0.1				
MESJ	HZ	252	63	EP		23	1	55.15	-0.05						1.0
MESJ	HE	252	63	ES		23	2	20.21	0.16						1.0
MESJ	HN	252	63	AML		23	2	21.04		12	0.2				

**July 7 2010 Hour: 23:43 29.2 Lat: 42.65N Lon: 9.24W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	541	170	EP		2344	40.43	0.11							1.0
MESJ	HE	541	170	ES		2345	32.15	-0.11							1.0
MESJ	HE	541	170	AML		2345	33.07			2	0.3				

**July 8 2010 Hour: 6:53 34.3 Lat: 36.02N Lon: 10.36W Depth: 22F Agency: IGL Regional**  
**Magnitudes: 2.5ML IGL Rms: 0.0 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	209	46	EP		654	3.68	-0.03							1.0
MORF	HN	209	46	ES		654	25.14	-0.01							1.0
MORF	HN	209	46	AML		654	26.02			46	0.2				
MESJ	HZ	278	43	EP		654	12.20	0.00							1.0
MESJ	HN	278	43	ES		654	39.89	0.05							1.0
MESJ	HE	278	43	AML		654	40.98			16	0.1				

**July 8 2010 Hour: 9:2 17.6 Lat: 36.61N Lon: 9.86W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	133	54	EP		9 2	38.48	0.00							1.0
MORF	HN	133	54	ES		9 2	53.63	-0.10							1.0
MORF	HN	133	54	AML		9 2	54.46			43	0.1				
MESJ	HZ	200	46	EP		9 2	46.77	-0.04							1.0
MESJ	HE	200	46	ES		9 3	8.28	0.14							1.0
MESJ	HE	200	46	AML		9 3	8.65			15	0.1				

**July 9 2010 Hour: 9:49 47.6 Lat: 36.24N Lon: 8.59W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	357	EP		950	6.26	-0.08							1.0
MORF	HN	118	357	ES		950	20.26	0.23							1.0
MORF	HE	118	357	AML		950	20.86			13	0.1				
MESJ	HZ	181	10	EP		950	14.29	-0.16							1.0
MESJ	HN	181	10	ES		950	34.05	-0.01							1.0
MESJ	HN	181	10	AML		950	34.65			4	0.2				

**July 10 2010 Hour: 11:43 31.8 Lat: 11.13N Lon: 146.05E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 6.1MS IGL Rms: 0.4 secs**

**SOUTH OF MARIANA ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13944	336	EPP			12 4	22.52	-0.05							1.0
GGNV	BE13944	336	AMS			1254	30.66			6340	17.9				
MESJ	BZ13986	335	EPP			12 4	25.63	0.53							1.0
MESJ	BZ13986	335	AMS			13 0	13.08			3774	24.5				
MORF	BZ14057	335	EP			12 2	33.84	-0.63							1.0
MORF	BZ14057	335	EPP			12 4	29.28	-0.08							1.0
MORF	BE14057	335	ESS			1221	34.68	0.22							1.0
MORF	BN14057	335	AMS			1258	21.98			3517	21.0				

**July 10 2010 Hour: 12:54 19.1 Lat: 7.86S Lon: 158.74E Depth: 35F Agency: IGL Distant**  
**Magnitudes: 6.1MS IGL Rms: 0.1 secs**

**SOLOMON ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16463	340	EP			1313	56.85	0.05							1.0
MORF	BZ16533	341	EP			1313	57.81	-0.05							1.0

**July 10 2010 Hour: 19:21 0.9 Lat: 36.55N Lon: 2.32W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 6.1MS 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	543	287	EP		1922	13.35	-0.14							1.0



**July 10 2010 Hour: 21:443.5 Lat: 36.76N Lon: 7.46W Depth: 26F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	122	300	EP		21 5	1.91	0.15							1.0
MORF	HE	122	300	ES		21 5	14.93	-0.17							1.0
MORF	HE	122	300	AML		21 5	15.47			6	0.2				
MESJ	HZ	137	331	EP		21 5	3.52	-0.12							1.0
MESJ	HE	137	331	ES		21 5	18.48	0.13							1.0
MESJ	HN	137	331	AML		21 5	19.12			4	0.1				

**July 11 2010 Hour: 0:54 20.1 Lat: 38.84N Lon: 8.16W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.0 secs**

**S MORA, PORTUGAL**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	111	183	EP		054	37.46	0.04							1.0
MESJ	HE	111	183	ES		054	50.05	-0.04							1.0
MESJ	HE	111	183	AML		054	51.71			2	0.9				

**July 11 2010 Hour: 11:127.2 Lat: 36.35N Lon: 3.68W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.2 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	435	294	EP		11 2	24.19	-0.26							1.0
MESJ	HN	435	294	ES		11 3	6.46	0.20							1.0
MESJ	HN	435	294	AML		11 3	7.10			3	0.6				
MORF	HE	455	285	ES		11 3	10.55	0.06							1.0
MORF	HN	455	285	AML		11 3	11.76			4	0.4				

**July 11 2010 Hour: 12:41 30.5 Lat: 36.89N Lon: 8.59W Depth: 27F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	47	353	EP		1241	38.83	0.00							1.0
MORF	HN	47	353	ES		1241	44.90	0.00							1.0
MORF	HN	47	353	AML		1241	45.34			5	0.2				
MESJ	HZ	110	17	EP		1241	47.15	-0.08							1.0
MESJ	HN	110	17	ES		1241	59.51	0.08							1.0
MESJ	HN	110	17	AML		1242	0.31			2	0.3				

**July 11 2010 Hour: 14:15 37.1 Lat: 35.87N Lon: 5.58E Depth: 0 Agency: IGL Regional**  
**Magnitudes: 0.0ML IGL Rms: 0.0 secs**

**NORTHERN ALGERIA Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	1249	284	EP		1418	13.20	-0.02							1.0

**July 11 2010 Hour: 14:36 37.9 Lat: 39.00N Lon: 9.06W Depth: 2F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.1 secs**

**NE ARRUDA DOS VINHOS, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	148	150	EP		1437	1.50	-0.12							1.0
MESJ	HE	148	150	ES		1437	19.02	0.12							1.0
MESJ	HE	148	150	AML		1437	19.26			3	0.2				

**July 11 2010 Hour: 17:16 34.1 Lat: 36.66N Lon: 9.79W Depth: 16F 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	124	54	EP		1716	53.55	0.09							1.0
MORF	HE	124	54	ES		1717	7.50	-0.09							1.0
MORF	HE	124	54	AML		1717	7.79			2	0.2				

**July 11 2010 Hour: 19:17 45.6 Lat: 36.97N Lon: 9.74W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	104	69	EP		1918	2.06	0.05							1.0
MORF	HN	104	69	ES		1918	14.01	-0.01							1.0
MORF	HN	104	69	AML		1918	14.40			5	0.2				
MESJ	HZ	166	54	EP		1918	9.83	-0.01							1.0
MESJ	HE	166	54	ES		1918	27.54	-0.03							1.0
MESJ	HE	166	54	AML		1918	28.25			2	0.1				

**July 11 2010 Hour: 21:50 52.0 Lat: 34.90N Lon: 3.03W Depth: 1F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.1 secs**

**MOROCCO Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	568	307	EP		2152	7.39	-0.11							1.0

**July 12 2010 Hour: 0:11 17.9 Lat: 22.25S Lon: 68.21W Depth: 91F Agency: IGL Distant**  
**Magnitudes: 5.6MS IGL Rms: 0.2 secs**

**ANTOFAGASTA, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9073	44	EP		023	26.05	0.43							1.0
MORF	BE	9073	44	ES		033	30.40	-0.22							1.0
MORF	BZ	9073	44	AMS		059	1.15			2437	20.1				
GGNV	BZ	9131	43	EP		023	28.39	0.15							1.0
GGNV	BE	9131	43	ES		033	35.67	-0.09							1.0
GGNV	BZ	9131	43	AMS		059	58.55			2719	15.1				
MESJ	BZ	9139	44	EP		023	28.69	0.04							1.0
MESJ	BE	9139	44	ES		033	36.27	-0.29							1.0
MESJ	BZ	9139	44	AMS		059	27.21			2277	19.8				

**July 12 2010 Hour: 8:45 11.9 Lat: 36.55N Lon: 7.73W Depth: 19F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	150	343	EP		845	34.10	-0.03							1.0
MESJ	HE	150	343	ES		845	50.36	0.03							1.0
MESJ	HE	150	343	AML		845	51.30			2	0.1				

**July 12 2010 Hour: 10:44 7.7 Lat: 35.73N Lon: 10.06W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 3.0ML IGL Rms: 0.2 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	216	35	EP		1044	37.43	0.11							1.0
MORF	HN	216	35	ES		1044	58.62	-0.29							1.0
MORF	HN	216	35	AML		1044	59.99			165	0.3				
MESJ	HZ	286	35	EP		1044	46.13	0.11							1.0
MESJ	HN	286	35	ES		1045	14.04	0.09							1.0
MESJ	HN	286	35	AML		1045	15.70			39	0.1				

**July 13 2010 Hour: 5:34 4.8 Lat: 38.91N Lon: 11.23W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.3 secs**

**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	288	127	EP		534	46.09	0.25							1.0
MORF	HN	288	127	ES		535	15.86	0.03							1.0
MORF	HN	288	127	AML		535	16.78			11	0.2				
MESJ	HZ	289	113	EP		534	46.13	0.23							1.0
MESJ	HN	289	113	ES		535	15.44	-0.50							1.0
MESJ	HN	289	113	AML		535	15.58			3	0.4				

**July 13 2010 Hour: 19:32 37.7 Lat: 37.06N Lon: 8.48W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	31	331	EP		1932	43.31	-0.25							1.0
MORF	HE	31	331	ES		1932	47.93	0.07							1.0
MORF	HE	31	331	AML		1932	48.26		45	0.2					
MESJ	HZ	90	15	EP		1932	52.07	0.07							1.0
MESJ	HN	90	15	ES		1933	2.57	0.11							1.0
MESJ	HN	90	15	AML		1933	2.91		2	0.2					

**July 14 2010 Hour: 8:32 23.0 Lat: 38.00S Lon: 73.28W Depth: 28F Agency: IGL Distant**  
**Magnitudes: 6.7MS IGL Rms: 0.3 secs**

**BIO-BIO, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10645		46	EP		845	45.70	-0.40							1.0
MORF	BZ10645		46	EPP		849	38.05	0.09							1.0
MORF	BN10645		46	ES		856	20.50	0.23							1.0
MORF	BN10645		46	ESS		9 3	33.39	0.30							1.0
MORF	BZ10645		46	AMS		927	5.42		31647	24.1					
MESJ	BZ10713		46	EP		845	48.41	-0.41							1.0
MESJ	BZ10713		46	EPP		849	42.77	0.09							1.0
MESJ	BE10713		46	ES		856	23.81	0.39							1.0
MESJ	BN10713		46	ESS		9 3	41.27	-0.46							1.0
MESJ	BZ10713		46	AMS		927	11.96		31057	23.4					
GGNV	BZ10723		45	EP		845	49.14	0.00							1.0
GGNV	BZ10723		45	EPP		849	43.45	0.15							1.0
GGNV	BZ10723		45	AMS		928	39.61		31436	18.8					

**July 14 2010 Hour: 15: 5 52.5 Lat: 38.17S Lon: 73.05W Depth: 35F Agency: IGL Distant**  
**Magnitudes: 5.8MS IGL Rms: 0.2 secs**

**ARAUCANIA, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10643		46	EP		1519	14.37	-0.12							1.0
MORF	BZ10643		46	EPP		1523	6.83	0.45							1.0
MORF	BZ10643		46	AMS		16 2	24.73		3331	19.5					
MESJ	BZ10711		46	EP		1519	17.11	-0.10							1.0
MESJ	BZ10711		46	EPP		1523	10.84	-0.27							1.0
MESJ	BZ10711		46	AMS		16 2	52.83		3348	18.1					
GGNV	BZ10721		45	EPP		1523	11.82	0.05							1.0
GGNV	BZ10721		45	AMS		1559	58.84		3123	19.8					

**July 14 2010 Hour: 23:25 24.1 Lat: 37.31N Lon: 8.54W Depth: 11F 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	10	268	EP		2325	26.27	-0.28							1.0
MORF	HN	10	268	ES		2325	28.58	0.24							1.0
MORF	HN	10	268	AML		2325	29.13		54	0.4					
MESJ	HZ	65	26	EP		2325	34.87	0.15							1.0
MESJ	HN	65	26	ES		2325	42.35	-0.11							1.0
MESJ	HN	65	26	AML		2325	43.15		5	0.1					

**July 15 2010 Hour: 0: 8 53.3 Lat: 36.16N Lon: 7.89W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.2 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	189	351	EP		0 9	19.91	-0.15							1.0
MESJ	HN	189	351	ES		0 9	39.72	0.15							1.0
MESJ	HN	189	351	AML		0 9	41.15		4	0.3					

July 15 2010 Hour: 20:52 9.7 Lat: 39.17N Lon: 9.17W Depth: 0 Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.3 secs

SW CADAVAL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	169	150	EP		2052	35.92	-0.31							1.0
MESJ	HE	169	150	ES		2052	55.87	0.31							1.0
MESJ	HN	169	150	AML		2052	56.28			3	0.2				

July 15 2010 Hour: 23: 8 37.9 Lat: 37.33N Lon: 8.59W Depth: 14F Agency: IGL Regional  
Magnitudes: 0.4ML IGL Rms: 0.2 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	244	EP		23 8	40.15	-0.28							1.0
MORF	HE	6	244	ES		23 8	42.41	0.14							1.0
MORF	HE	6	244	AML		23 8	42.89			18	0.1				
MESJ	HZ	65	30	EP		23 8	48.76	0.26							1.0
MESJ	HN	65	30	ES		23 8	56.12	-0.11							1.0
MESJ	HN	65	30	AML		23 8	56.68			2	0.1				

July 16 2010 Hour: 8:11 3.1 Lat: 36.77N Lon: 26.82E Depth:175F Agency: IGL Distant  
Magnitudes: 5.1MB IGL Rms: 0.1 secs

DODECANESE ISLANDS, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3091	283	EP		816	35.64	-0.19							1.0
MESJ	BZ	3091	283	AMb		816	37.60			101	1.6				
MORF	BZ	3138	282	EP		816	39.82	0.18							1.0
MORF	BZ	3138	282	AMb		816	47.68			71	1.5				
GGNV	BZ	3158	285	EP		816	41.13	0.01							1.0
GGNV	BZ	3158	285	AMb		816	43.64			249	1.1				

July 16 2010 Hour: 13:39 57.9 Lat: 37.60N Lon: 8.39W Depth: 2F 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	31	29	EP		1340	2.95	0.08							1.0
MESJ	HE	31	29	ES		1340	6.45	-0.03							1.0
MESJ	HE	31	29	AML		1340	7.67			5	0.1				
MORF	HZ	40	215	EP		1340	4.43	0.04							1.0
MORF	HN	40	215	ES		1340	9.02	-0.09							1.0
MORF	HN	40	215	AML		1340	9.40			9	0.2				

July 16 2010 Hour: 17: 1 58.1 Lat: 36.29N Lon: 9.05W Depth: 10F Agency: IGL Regional  
Magnitudes: 1.7ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	17	EP		17 2	16.68	-0.10							1.0
MORF	HE	118	17	ES		17 2	30.80	0.35							1.0
MORF	HN	118	17	AML		17 2	31.24			20	0.1				
MESJ	HZ	187	23	EP		17 2	25.44	-0.30							1.0
MESJ	HN	187	23	ES		17 2	45.97	0.03							1.0
MESJ	HN	187	23	AML		17 2	46.79			4	0.2				

July 16 2010 Hour: 18:53 10.1 Lat: 39.31N Lon: 23.99E Depth: 10F Agency: IGL Distant  
Magnitudes: 5.4MB IGL Rms: 0.2 secs

AEGEAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2797	277	EP		1858	35.44	-0.02							1.0
MESJ	BZ	2797	277	AMb		1858	37.64			94	1.3				
MESJ	BE	2797	277	ES		19 3	1.24	-0.27							1.0
MORF	BZ	2848	276	EP		1858	39.72	0.02							1.0
MORF	BZ	2848	276	AMb		1858	42.81			81	1.8				
MORF	BE	2848	276	ES		19 3	8.81	-0.10							1.0
GGNV	BZ	2855	279	EP		1858	40.53	0.36							1.0

GGNV BZ 2855 279 AMb 1858 43.21 144 0.8

**July 17 2010 Hour: 3:13 58.3 Lat: 38.60N Lon: 7.02W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.1 secs**  
**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	135	232	EP		314	20.07	0.07							1.0
MESJ	HE	135	232	ES		314	35.81	-0.07							1.0
MESJ	HE	135	232	AML		314	36.04			0.70	0.2				

**July 17 2010 Hour: 6:7 43.1 Lat: 24.81S Lon: 69.95W Depth: 53F Agency: IGL Distant**  
**Magnitudes: 5.7MB IGL Rms: 0.3 secs**  
**ANTOFAGASTA, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9398	45	EP		620	10.72	0.48							1.0
MORF	BZ	9398	45	AMb		620	14.06			168	1.5				
MORF	BE	9398	45	ES		630	28.15	-0.33							1.0
MESJ	BZ	9464	44	EP		620	12.99	-0.16							1.0
MESJ	BZ	9464	44	AMb		620	16.17			187	1.4				
MESJ	BE	9464	44	ES		630	32.21	0.01							1.0

**July 17 2010 Hour: 8:30 53.8 Lat: 38.29N Lon: 6.39W Depth: 4F Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.1 secs**  
**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	168	253	EP		831	19.91	0.18							1.0
MESJ	HN	168	253	ES		831	38.63	-0.05							1.0
MESJ	HE	168	253	AML		831	39.82			11	0.2				
MORF	HZ	227	242	EP		831	26.96	-0.12							1.0
MORF	HN	227	242	ES		831	51.38	-0.01							1.0
MORF	HN	227	242	AML		831	52.87			15	0.2				

**July 17 2010 Hour: 10:47 42.7 Lat: 36.72N Lon: 7.56W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	304	EP		1048	0.45	-0.04							1.0
MORF	HE	117	304	ES		1048	13.31	-0.20							1.0
MORF	HN	117	304	AML		1048	13.59			3	0.2				
MESJ	HZ	137	335	EP		1048	3.03	0.03							1.0
MESJ	HE	137	335	ES		1048	18.07	0.22							1.0
MESJ	HN	137	335	AML		1048	18.51			3	0.1				

**July 17 2010 Hour: 16:49 55.9 Lat: 36.57N Lon: 8.35W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	86	342	EP		1650	9.76	0.01							1.0
MORF	HE	86	342	ES		1650	19.85	0.01							1.0
MORF	HN	86	342	AML		1650	21.06			6	0.2				
MESJ	HN	141	5	ES		1650	32.25	-0.02							1.0
MESJ	HN	141	5	AML		1650	34.16			2	0.2				

**July 18 2010 Hour: 3:43 36.7 Lat: 36.31N Lon: 8.76W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	111	5	EP		343	54.57	-0.01							1.0
MORF	HN	111	5	ES		344	7.62	-0.03							1.0
MORF	HN	111	5	AML		344	9.16			3	0.1				
MESJ	HZ	176	16	EP		344	4.14	0.09							1.0
MESJ	HE	176	16	ES		344	23.99	-0.04							1.0
MESJ	HE	176	16	AML		344	25.53			0.80	0.1				

**July 18 2010 Hour: 4: 9 4.3 Lat: 38.18N Lon: 8.80W Depth: 5F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.2 secs**

**NW MELIDES, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	63	126	EP		4	9	14.36	-0.25						1.0
MESJ	HN	63	126	ES		4	9	22.13	0.03						1.0
MESJ	HN	63	126	AML		4	9	22.85		2	0.1				
MORF	HZ	98	172	EP		4	9	20.41	0.26						1.0
MORF	HN	98	172	ES		4	9	31.66	-0.03						1.0
MORF	HN	98	172	AML		4	9	31.95		8	0.2				

**July 18 2010 Hour: 5:56 44.1 Lat: 52.86N Lon: 169.84W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 6.9MS IGL Rms: 0.3 secs**

**FOX ISLANDS, ALEUTIAN ISLANDS, ALASKA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9694	15	EP		6	9	30.67	0.35						1.0
GGNV	BZ	9694	15	EPP		612	54.80	0.13							1.0
GGNV	BN	9694	15	ES		619	57.61	-0.17							1.0
GGNV	BN	9694	15	AMS		652	23.08		35459	12.5					
MESJ	BZ	9805	14	EP		6	9	35.51	0.37						1.0
MESJ	BZ	9805	14	EPP		613	2.46	-0.29							1.0
MESJ	BN	9805	14	ES		620	3.98	0.03							1.0
MESJ	BZ	9805	14	AMS		650	33.86		46402	21.6					
MORF	BZ	9856	15	EP		6	9	37.59	0.24						1.0
MORF	BZ	9856	15	EPP		613	5.99	-0.46							1.0
MORF	BN	9856	15	ES		620	6.58	-0.22							1.0
MORF	BZ	9856	15	AMS		650	56.20		37611	18.2					

**July 18 2010 Hour: 7:24 58.2 Lat: 32.46N Lon: 6.31W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.5 secs**

**MOROCCO Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	579	339	EP		726	14.57	-0.57							1.0
MORF	HE	579	339	ES		727	11.63	0.33							1.0
MORF	HN	579	339	AML		727	14.21			2	0.2				
MESJ	HZ	622	344	EP		726	19.96	-0.36							1.0
MESJ	HN	622	344	ES		727	20.89	0.61							1.0
MESJ	HN	622	344	AML		727	21.75		1.00	0.3					

**July 18 2010 Hour: 9: 0 4.0 Lat: 39.09N Lon: 10.30W Depth: 19F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.3 secs**

**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	108	112	ES		9	0	33.63	0.16						1.0
GGNV	HN	108	112	AML		9	0	34.00		43	0.1				
MESJ	HZ	229	127	EP		9	0	36.42	0.37						0.9
MESJ	HN	229	127	ES		9	0	59.38	-0.03						0.9
MESJ	HN	229	127	AML		9	1	0.71		4	0.1				
MORF	HZ	245	143	EP		9	0	38.07	-0.07						0.9
MORF	HN	245	143	ES		9	1	2.57	-0.46						0.9
MORF	HN	245	143	AML		9	1	2.86		7	0.2				

**July 18 2010 Hour: 13: 4 7.9 Lat: 6.00S Lon: 150.40E Depth: 49F Agency: IGL Distant**  
**Magnitudes: 1.9ML IGL Rms: 0.3 secs**

**NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15866	333	EP			1323	34.67	-0.13							1.0
MESJ	BZ15898	331	EP			1323	35.07	-0.25							1.0
MORF	BZ15968	331	EP			1323	36.86	0.39							1.0

July 18 2010 Hour: 13:35 0.8 Lat: 6.02S Lon: 150.50E Depth: 58F Agency: IGL Distant  
Rms: 0.4 secs

**NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15873	333	EP			1354	26.18	-0.47							1.0
MESJ	BZ15905	332	EP			1354	27.05	-0.13							1.0
MORF	BZ15975	331	EP			1354	28.94	0.61							1.0

July 18 2010 Hour: 19:48 9.2 Lat: 52.85N Lon: 169.66W Depth: 41F Agency: IGL Distant  
Magnitudes: 5.8MS IGL Rms: 0.4 secs

**FOX ISLANDS, ALEUTIAN ISLANDS, ALASKA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ 9692	15	EP			20 0	51.22	0.51							1.0
GGNV	BZ 9692	15	AMS			2042	20.89			2586	16.2				
MESJ	BZ 9803	15	EP			20 0	56.01	0.49							1.0
MESJ	BZ 9803	15	EPP			20 4	23.10	-0.34							1.0
MESJ	BE 9803	15	ES			2011	20.32	-0.43							1.0
MESJ	BZ 9803	15	AMS			2042	56.10			3605	17.7				
MORF	BZ 9854	15	EP			20 0	57.99	0.26							1.0
MORF	BZ 9854	15	EPP			20 4	26.65	-0.49							1.0
MORF	BZ 9854	15	AMS			2042	53.62			3396	20.3				

July 18 2010 Hour: 22:38 27.4 Lat: 42.67N Lon: 7.68W Depth: 0 Agency: IGL Regional  
Magnitudes: 2.4ML IGL Rms: 0.3 secs

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ 538	185	EP			2239	39.39	-0.02							1.0
MESJ	HE 538	185	ES			2240	31.64	-0.33							1.0
MESJ	HE 538	185	AML			2240	31.79			4	0.2				
MORF	HZ 601	188	EP			2239	47.07	0.00							1.0
MORF	HE 601	188	ES			2240	45.61	0.38							1.0
MORF	HE 601	188	AML			2240	45.68			7	0.3				

July 19 2010 Hour: 3:1 12.4 Lat: 6.51S Lon: 150.21E Depth: 38F Agency: IGL Distant  
Rms: 0.0 secs

**NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15937	331	EP			320	41.73	-0.03							1.0
MORF	BZ16007	331	EP			320	42.94	0.03							1.0

July 19 2010 Hour: 6:28 54.9 Lat: 37.30N Lon: 8.58W Depth: 14F Agency: IGL Regional  
Magnitudes: 0.6ML 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 6	276	EP			628	57.27	-0.21							1.0
MORF	HN 6	276	ES			628	59.54	0.20							1.0
MORF	HN 6	276	AML			628	59.88			19	0.3				
MESJ	HE 68	28	ES			629	13.91	0.01							1.0
MESJ	HE 68	28	AML			629	14.67			3	0.2				

July 19 2010 Hour: 8:20 31.0 Lat: 52.77N Lon: 169.22W Depth: 10F Agency: IGL Distant  
Rms: 0.2 secs

**FOX ISLANDS, ALEUTIAN ISLANDS, ALASKA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 9805	15	EP			833	21.86	-0.09							1.0
MESJ	BZ 9805	15	EPP			836	49.35	-0.19							1.0
MORF	BZ 9855	15	EP			833	24.17	0.02							1.0
MORF	BZ 9855	15	EPP			836	53.49	0.27							1.0

July 19 2010 Hour: 10:14 8.2 Lat: 37.66N Lon: 8.38W Depth: 2F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.1 secs

W OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	24	35	EP		1014	12.13	-0.03							1.0
MESJ	HN	24	35	ES		1014	15.01	-0.04							1.0
MESJ	HE	24	35	AML		1014	15.39			15	0.1				
MORF	HZ	46	211	EP		1014	15.55	-0.08							1.0
MORF	HN	46	211	ES		1014	21.21	0.15							1.0
MORF	HN	46	211	AML		1014	22.21			3	0.6				

July 20 2010 Hour: 17:19 51.7 Lat: 28.97S Lon: 13.14W Depth: 14F Agency: IGL Distant  
Magnitudes: 5.7MB IGL Rms: 0.3 secs

SOUTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7348	4	EP		1730	37.76	-0.26							1.0
MORF	BZ	7348	4	AMb		1730	41.32			184	2.0				
MORF	BN	7348	4	ES		1739	26.92	0.48							1.0
MESJ	BZ	7410	4	EP		1730	41.27	-0.27							1.0
MESJ	BZ	7410	4	AMb		1730	46.01			103	1.4				
MESJ	BE	7410	4	ES		1739	33.11	0.01							1.0
GGNV	BZ	7501	3	EP		1730	46.75	0.05							1.0
GGNV	BZ	7501	3	AMb		1730	51.50			244	1.6				

July 20 2010 Hour: 19:18 23.6 Lat: 5.91S Lon: 150.66E Depth: 54F Agency: IGL Distant  
Magnitudes: 6.3MS IGL Rms: 0.5 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15871	334	EP			1937	49.47	-0.44							1.0
GGNV	BZ15871	334	AMS			2043	52.79			5738	21.7				
MESJ	BZ15903	332	EP			1937	49.71	-0.73							1.0
MESJ	BZ15903	332	EPP			1941	0.71	0.29							1.0
MESJ	BZ15903	332	AMS			2045	30.76			7194	24.6				
MORF	BZ15973	332	EP			1937	51.90	0.30							1.0
MORF	BZ15973	332	EPP			1941	4.83	0.56							1.0
MORF	BZ15973	332	AMS			2043	55.66			5606	20.3				

July 20 2010 Hour: 19:38 9.9 Lat: 27.09N Lon: 53.87E Depth: 10F Agency: IGL Distant  
Magnitudes: 5.6MB IGL Rms: 0.1 secs

SOUTHERN IRAN Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5854	298	EP		1947	24.02	0.00							1.0
MESJ	BZ	5854	298	AMb		1947	26.87			63	1.2				
MORF	BZ	5899	298	EP		1947	27.05	-0.07							1.0
MORF	BZ	5899	298	AMb		1947	29.38			67	0.7				
GGNV	BZ	5922	300	EP		1947	28.56	0.06							1.0
GGNV	BZ	5922	300	AMb		1947	32.10			167	0.9				

July 20 2010 Hour: 23: 8 22.9 Lat: 36.59N Lon: 7.84W Depth: 27F Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	143	346	EP		23 8	43.57	-0.08							1.0
MESJ	HE	143	346	ES		23 8	58.87	0.08							1.0
MESJ	HN	143	346	AML		23 8	59.82			4	0.1				

July 21 2010 Hour: 0: 1 5.5 Lat: 36.83N Lon: 2.38W Depth: 0F Agency: IGL Regional  
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	529	284	EP		0 2	16.48	0.12							1.0
MESJ	HE	529	284	ES		0 3	7.98	-0.12							1.0
MESJ	HE	529	284	AML		0 3	10.49			4	0.5				



**July 21 2010 Hour: 3:23 17.5 Lat: 38.73N Lon: 7.98W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 0.9ML 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
MESJ	HZ	101	192	EP		323	33.68	0.18							1.0
MESJ	HE	101	192	ES		323	45.03	-0.18							1.0
MESJ	HN	101	192	AML		323	45.50			3	0.2				

**July 21 2010 Hour: 9:16 5.1 Lat: 3.04N Lon: 128.21E Depth:102FAgency: IGL Distant**  
**Magnitudes: 5.4MS IGL Rms: 0.4 secs**

**NORTH OF HALAMERA, INDONESIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13663	320	EP			934	48.97	0.30							1.0
MESJ	BZ13663	320	EPP			936	27.56	-0.20							1.0
MESJ	BE13663	320	ESS			953	3.32	-0.36							1.0
MESJ	BN13663	320	AMS			1022	14.39			753	23.8				
GGNV	BZ13672	321	EPP			936	27.99	-0.30							1.0
GGNV	BN13672	321	AMS			1022	46.38			842	17.5				
MORF	BZ13728	319	EP			934	50.59	0.75							1.0
MORF	BZ13728	319	EPP			936	31.60	-0.17							1.0
MORF	BE13728	319	AMS			1030	58.86			779	16.9				

**July 21 2010 Hour: 23: 2 32.4 Lat: 36.65N Lon: 7.18W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 1.1ML 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	161	325	EP		23 2	56.22	-0.18							1.0
MESJ	HN	161	325	ES		23 3	14.08	0.18							1.0
MESJ	HN	161	325	AML		23 3	14.85			2	0.1				

**July 22 2010 Hour: 5: 4 1.0 Lat: 15.15S Lon: 168.18E Depth: 35F Agency: IGL Distant**  
**Magnitudes: 5.6MS IGL Rms: 0.2 secs**

**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17408	355	EP			523	51.73	0.41							0.9
GGNV	BZ17408	355	EPP			527	58.21	-0.16							1.0
GGNV	BE17408	355	AMS			639	40.55			992	25.4				
MESJ	BZ17493	353	EP			523	52.29	-0.06							1.0
MESJ	BZ17493	353	EPP			528	2.59	-0.06							1.0
MESJ	BZ17493	353	AMS			650	3.69			1108	18.6				
MORF	BZ17558	353	EP			523	52.89	-0.24							1.0
MORF	BZ17558	353	EPP			528	6.01	0.14							1.0
MORF	BZ17558	353	AMS			641	23.94			772	18.6				

**July 22 2010 Hour: 20:13 46.9 Lat: 36.99N Lon: 10.70W Depth: 15F 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	185	78	EP		2014	13.95	-0.01							1.0
MORF	HN	185	78	ES		2014	33.76	0.07							1.0
MORF	HN	185	78	AML		2014	34.37			7	0.2				
MESJ	HZ	239	66	EP		2014	20.52	-0.06							1.0

**July 23 2010 Hour: 12:45 16.8 Lat: 35.92N Lon: 10.35W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 4.1ML 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	216	44	EP		1245	46.63	0.18							1.0
MORF	HE	216	44	ES		1246	7.77	-0.32							1.0
MORF	HN	216	44	AML		1246	8.40			1586	0.3				
MESJ	HZ	285	41	EP		1245	55.13	0.13							1.0
MESJ	HE	285	41	ES		1246	23.03	0.15							1.0
MESJ	HN	285	41	AML		1246	24.37			518	0.3				

GGNV HZ	328	19	EP	1246	0.17-0.12												0.9
GGNV HE	328	19	ES	1246	32.01-0.03												0.9
GGNV HE	328	19	AML	1246	33.53				769	0.3							

**July 23 2010 Hour: 18:18 1.6 Lat: 36.78N Lon: 11.25W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.2 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	238	75	EP		1818	35.27	0.06							1.0
MORF	HN	238	75	ES		1818	59.40	-0.36							1.0
MORF	HN	238	75	AML		1819	0.29		12	0.1					
MESJ	HZ	293	65	EP		1818	42.16	0.18							1.0
MESJ	HE	293	65	ES		1819	11.61	0.14							1.0
MESJ	HE	293	65	AML		1819	12.66		4	0.2					

**July 23 2010 Hour: 19: 7 18.4 Lat: 35.74N Lon: 8.72W Depth: 29F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.2 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	174	2	EP		19 7	42.71	-0.22							1.0
MORF	HN	174	2	ES		19 8	1.00	0.17							1.0
MORF	HE	174	2	AML		19 8	1.67		4	0.2					
MESJ	HE	237	11	ES		19 8	14.44	0.06							1.0
MESJ	HE	237	11	AML		19 8	15.97		2	0.1					

**July 23 2010 Hour: 22: 8 12.1 Lat: 6.70N Lon: 123.47E Depth:612FAgency: IGL Distant**  
**Magnitudes: 6.4MS IGL Rms: 0.2 secs**

**MORO GULF, MINDANAO, PHILIPPINES Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13012	318	EP			2225	47.97	-0.17							1.0
MESJ	BZ13012	318	EPP			2227	8.48	-0.11							1.0
MESJ	BZ13012	318	AMS			2240	55.49		8499	12.7					
GGNV	BZ13024	320	EP			2225	48.54	0.22							1.0
GGNV	BZ13024	320	EPP			2227	9.60	0.28							1.0
GGNV	BZ13024	320	AMS			2241	1.57		8248	22.4					
MORF	BZ13077	318	EP			2225	48.98	-0.32							1.0
MORF	BZ13077	318	EPP			2227	12.71	0.10							1.0
MORF	BE13077	318	AMS			2241	17.94		8116	28.3					

**July 23 2010 Hour: 22:51 13.1 Lat: 6.47N Lon: 123.53E Depth:584FAgency: IGL Distant**  
**Rms: 0.3 secs**

**MORO GULF, MINDANAO, PHILIPPINES Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13035	318	EP			23 8	52.50	0.20							1.0
MESJ	BZ13035	318	EPP			2310	13.41	0.33							1.0
MESJ	BN13035	318	ESS			2325	39.67	0.29							1.0
GGNV	BZ13048	320	EP			23 8	52.33	-0.15							1.0
GGNV	BZ13048	320	EPP			2310	13.65	-0.18							1.0
GGNV	BN13048	320	ESS			2325	40.31	-0.47							1.0
MORF	BZ13100	318	EP			23 8	53.79	0.33							1.0
MORF	BZ13100	318	EPP			2310	16.72	-0.38							1.0

**July 23 2010 Hour: 23:15 8.9 Lat: 6.75N Lon: 123.27E Depth:617FAgency: IGL Distant**  
**Rms: 0.2 secs**

**MORO GULF, MINDANAO, PHILIPPINES Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12993	318	EP			2332	44.41	0.32							1.0
GGNV	BZ13005	320	EP			2332	44.07	-0.21							1.0
MORF	BZ13057	318	EP			2332	45.17	-0.09							1.0

**July 24 2010 Hour: 1: 6 12.1 Lat: 36.90N Lon: 11.02W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 3.1ML IGL Rms: 0.1 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	215	77	EP		1 6	41.46	-0.16							1.0
MORF	HN	215	77	ES		1 7	3.13	-0.04							1.0
MORF	HN	215	77	AML		1 7	3.42			100	0.3				
GGNV	HZ	260	39	EP		1 6	47.11	-0.04							1.0
GGNV	HE	260	39	ES		1 7	13.03	0.27							1.0
GGNV	HE	260	39	AML		1 7	13.08			223	0.1				
MESJ	HZ	269	66	EP		1 6	48.26	0.01							1.0
MESJ	HN	269	66	ES		1 7	14.62	-0.03							1.0
MESJ	HN	269	66	AML		1 7	17.29			55	0.4				

**July 24 2010 Hour: 1:35 57.9 Lat: 37.72N Lon: 9.67W Depth: 1F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.3 secs**  
**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	101	117	EP		136	13.80	-0.45							1.0
MORF	HE	101	117	ES		136	26.46	0.30							1.0
MORF	HE	101	117	AML		136	27.38			7	0.4				
MESJ	HZ	128	84	EP		136	18.65	-0.01							1.0
MESJ	HN	128	84	ES		136	33.94	0.16							1.0
MESJ	HN	128	84	AML		136	34.82			4	0.1				

**July 24 2010 Hour: 5:35 2.0 Lat: 6.23N Lon: 123.52E Depth:555F Agency: IGL Distant**  
**Magnitudes: 5.5MS IGL Rms: 0.3 secs**  
**MORO GULF, MINDANAO, PHILIPPINES Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13055	318	EP			552	44.32	-0.08							1.0
MESJ	BZ13055	318	EPP			554	5.20	-0.15							1.0
MESJ	BZ13055	318	AMS			6 7	40.88			2552	23.0				
GGNV	BZ13068	320	EPP			554	6.60	0.48							1.0
GGNV	BE13068	320	AMS			641	52.33			1535	32.5				
MORF	BZ13119	318	EP			552	45.14	-0.42							1.0
MORF	BZ13119	318	EPP			554	9.54	0.18							1.0
MORF	BN13119	318	AMS			639	52.31			1204	39.2				

**July 24 2010 Hour: 20:26 0.5 Lat: 36.56N Lon: 7.49W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.2 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	156	336	EP		2026	23.23	-0.15							1.0
MESJ	HE	156	336	ES		2026	40.27	0.15							1.0
MESJ	HE	156	336	AML		2026	40.78			2	0.2				

**July 25 2010 Hour: 0:42 32.8 Lat: 33.29N Lon: 12.72W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 2.1ML 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
MESJ	HZ	649	38	EP		043	56.89	-0.29							1.0
MESJ	HE	649	38	ES		044	59.05	0.29							1.0
MESJ	HE	649	38	AML		045	0.59			2	0.9				

**July 25 2010 Hour: 3:39 23.2 Lat: 15.03S Lon: 173.54W Depth: 41F Agency: IGL Distant**  
**Magnitudes: 5.9MS IGL Rms: 0.2 secs**  
**TONGA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17120	27	EP			359	9.13	-0.15							1.0
MESJ	BZ17120	27	AMS			5 0	52.04			2428	22.6				
MORF	BZ17148	28	EP			359	9.84	0.15							1.0
MORF	BZ17148	28	AMS			5 1	44.68			1999	23.6				

**July 25 2010 Hour: 10:37 14.3 Lat: 37.54N Lon: 15.92W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	644	90	EP		1038	38.95	0.04							1.0
MORF	HE	644	90	ES		1039	40.66	-0.04							1.0
MORF	HE	644	90	AML		1039	41.88			2	0.4				

**July 25 2010 Hour: 12:57 1.4 Lat: 49.71N Lon: 154.65E Depth:130F Agency: IGL Distant**  
**Magnitudes: 5.4MB IGL Rms: 0.1 secs**  
**KURIL ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10168	347	EP			13 9	52.53	-0.11							1.0
MESJ	BZ10168	347	AMB			13 9	53.87			43	1.1				
MORF	BZ10233	347	EP			13 9	55.52	0.11							1.0
MORF	BZ10233	347	AMB			13 9	59.63			72	1.4				

**July 25 2010 Hour: 13:11 31.4 Lat: 36.74N Lon: 7.48W Depth: 25F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	139	332	EP		1311	51.78	0.00							1.0
MESJ	HN	139	332	ES		1312	6.63	0.00							1.0
MESJ	HE	139	332	AML		1312	7.20			3	0.1				

**July 25 2010 Hour: 14:17 7.1 Lat: 36.68N Lon: 12.93W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.5ML 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	387	78	EP		1417	59.76	0.06							1.0
MESJ	HZ	437	71	EP		1418	6.07	0.25							1.0
MESJ	HE	437	71	ES		1418	48.35	-0.31							1.0
MESJ	HE	437	71	AML		1418	48.38			1.00	0.1				

**July 25 2010 Hour: 19:41 19.9 Lat: 36.55N Lon: 9.88W Depth: 25F 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	138	52	EP		1941	40.23	0.01							1.0
MORF	HN	138	52	ES		1941	55.25	0.20							1.0
MORF	HN	138	52	AML		1941	55.75			331	0.2				
MESJ	HZ	205	45	EP		1941	48.53	-0.04							1.0
MESJ	HE	205	45	ES		1942	9.30	-0.19							1.0
MESJ	HN	205	45	AML		1942	10.10			75	0.1				

**July 25 2010 Hour: 20:24 41.2 Lat: 36.25N Lon: 7.72W Depth: 5F Agency: IGL Regional**  
**Magnitudes: 3.6ML IGL Rms: 0.5 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	144	325	EP		2025	3.18	-0.81							1.0
MORF	HE	144	325	ES		2025	20.94	0.28							1.0
MORF	HN	144	325	AML		2025	21.43			907	0.4				
MESJ	HZ	182	346	EP		2025	8.53	-0.18							1.0
MESJ	HN	182	346	ES		2025	28.81	-0.01							1.0
MESJ	HN	182	346	AML		2025	29.40			617	0.7				
GGNV	HZ	302	336	EP		2025	24.38	0.83							0.9

July 26 2010 Hour: 1:47 49.2 Lat: 38.10N Lon: 9.29W Depth: 23F Agency: IGL Regional  
 Magnitudes: 0.6ML IGL Rms: 0.1 secs  
 NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	98	107	EP		148	4.76	0.10							1.0
MESJ	HN	98	107	ES		148	15.82	-0.10							1.0
MESJ	HN	98	107	AML		148	16.91			1	0.1				

July 26 2010 Hour: 8:31 21.4 Lat: 37.69N Lon: 9.16W Depth: 0 Agency: IGL Regional  
 Magnitudes: 2.4ML 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
MORF	HZ	62	133	EP		831	31.30	-0.13							1.0
MORF	HE	62	133	ES		831	38.67	-0.06							1.0
MORF	HE	62	133	AML		831	39.30			159	0.2				
MESJ	HZ	85	78	EP		831	35.05	-0.01							1.0
MESJ	HE	85	78	ES		831	45.20	0.20							1.0
MESJ	HE	85	78	AML		831	45.72			107	0.3				

July 26 2010 Hour: 17:31 31.9 Lat: 24.12S Lon: 66.94W Depth:194F Agency: IGL Distant  
 Magnitudes: 4.9MS IGL Rms: 0.2 secs  
 SALTA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9132	43	EP		1743	30.56	-0.16							1.0
MORF	BE	9132	43	ES		1753	29.32	-0.02							1.0
MORF	BZ	9132	43	AMS		1831	58.34			476	21.9				
MESJ	BZ	9199	43	EP		1743	34.04	0.29							1.0
MESJ	BN	9199	43	ES		1753	35.18	-0.10							1.0
MESJ	BZ	9199	43	AMS		1831	50.67			556	17.3				

July 26 2010 Hour: 22:38 45.1 Lat: 34.39N Lon: 4.58W Depth: 0 Agency: IGL Regional  
 Rms: 0.1 secs  
 MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	490	313	EP		2239	51.14	-0.11							1.0
MESJ	HZ	504	320	EP		2239	53.04	0.12							1.0

July 26 2010 Hour: 23: 6 50.0 Lat: 6.64N Lon: 123.20E Depth:626F Agency: IGL Distant  
 Rms: 0.0 secs  
 MORO GULF, MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12997	318	EP			2324	24.47	0.04							1.0
MORF	BZ13061	318	EP			2324	25.55	-0.04							1.0

July 28 2010 Hour: 11:31 47.0 Lat: 52.60N Lon: 169.40W Depth: 10F Agency: IGL Distant  
 Magnitudes: 5.3MS IGL Rms: 0.4 secs  
 FOX ISLANDS, ALEUTIAN ISLANDS, ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9715	15	EP		1144	34.77	0.66							1.0
GGNV	BZ	9715	15	AMS		1226	50.71			1271	22.0				
MESJ	BZ	9826	15	EP		1144	38.96	0.04							1.0
MESJ	BZ	9826	15	EPP		1148	6.76	-0.38							1.0
MESJ	BN	9826	15	ESS		12	1	16.45	-0.41						1.0
MESJ	BZ	9826	15	AMS		1226	53.35			1288	20.2				
MORF	BZ	9877	15	EP		1144	41.19	0.07							1.0
MORF	BZ	9877	15	EPP		1148	10.87	0.05							1.0
MORF	BN	9877	15	AMS		1228	6.77			937	14.7				

July 28 2010 Hour: 17:41 30.1 Lat: 36.68N Lon: 7.30W Depth: 31F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	139	300	EP		1741	49.92	-0.19							1.0
MORF	HN	139	300	ES		1742	4.63	-0.11							1.0
MORF	HN	139	300	AML		1742	4.89			4	0.4				
MESJ	HZ	152	328	EP		1741	52.06	0.30							1.0
MESJ	HE	152	328	ES		1742	7.58	0.00							1.0
MESJ	HN	152	328	AML		1742	7.93			1	0.1				

July 28 2010 Hour: 18:21 16.1 Lat: 12.25S Lon: 165.46E Depth: 78F Agency: IGL Distant  
Magnitudes: 4.6MS IGL Rms: 0.6 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17130	349	EP			1840	58.32	0.61							1.0
MESJ	BZ17130	349	AMS			1951	24.18			93	19.6				
MORF	BZ17196	349	EP			1840	58.00	-0.61							1.0

July 29 2010 Hour: 6: 9 38.9 Lat: 38.98N Lon: 8.33W Depth: 5F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs

NW MORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	127	176	EP		6 9	59.27	0.08							1.0
MESJ	HN	127	176	ES		610	13.92	-0.09							1.0
MESJ	HN	127	176	AML		610	14.88			3	0.1				
MORF	HN	188	189	ES		610	27.91	0.02							1.0
MORF	HN	188	189	AML		610	31.22			3	0.3				

July 29 2010 Hour: 7:31 56.7 Lat: 6.47N Lon: 123.38E Depth: 619F Agency: IGL Distant  
Magnitudes: 5.8MS IGL Rms: 0.2 secs

MORO GULF, MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13024	318	EP			749	32.21	-0.07							1.0
MESJ	BZ13024	318	EPP			750	53.59	0.17							1.0
MESJ	BZ13024	318	AMS			820	2.70			2351	21.6				
GGNV	BZ13036	320	EPP			750	54.31	0.13							1.0
GGNV	BZ13036	320	AMS			823	25.95			3511	28.2				
MORF	BZ13088	318	EP			749	33.06	-0.38							1.0
MORF	BZ13088	318	EPP			750	57.56	0.13							1.0
MORF	BZ13088	318	AMS			820	28.72			2270	21.0				

July 30 2010 Hour: 3:39 40.4 Lat: 36.81N Lon: 4.39W Depth: 77F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.3 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	358	290	EP		340	26.89	-0.39							1.0
MESJ	HN	358	290	ES		341	1.58	0.10							1.0
MESJ	HN	358	290	AML		341	3.02			3	0.3				
MORF	HN	383	279	ES		341	6.90	0.30							1.0
MORF	HN	383	279	AML		341	8.02			3	0.3				

July 30 2010 Hour: 3:56 14.2 Lat: 52.53N Lon: 159.92E Depth: 21F Agency: IGL Distant  
Magnitudes: 6.4MS IGL Rms: 0.3 secs

OFF EAST COAST OF KAMCHATKA, RUSSIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9845	351	EP		4 9	5.31	0.33							1.0
GGNV	BZ	9845	351	EPP		412	33.81	-0.12							1.0
GGNV	BE	9845	351	AMS		452	25.14			14857	22.0				
MESJ	BZ	9932	351	EP		4 9	8.98	0.29							1.0
MESJ	BZ	9932	351	EPP		412	39.76	-0.44							1.0
MESJ	BN	9932	351	ES		419	37.33	-0.31							1.0
MESJ	BZ	9932	351	AMS		456	27.21			11055	16.3				

MORF	BZ	9995	351	EP		4	9	11.64	0.22									1.0
MORF	BZ	9995	351	EPP		412	44.89	0.09										1.0
MORF	BN	9995	351	ES		419	41.02	-0.08										1.0
MORF	BN	9995	351	AMS		454	17.74				15568	19.8						

**July 30 2010 Hour: 12:30 10.8 Lat: 36.65N Lon: 4.44W Depth: 74F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.2 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	361	293	EP		1230	58.26	0.18							1.0
MESJ	HE	361	293	ES		1231	32.38	-0.18							1.0
MESJ	HE	361	293	AML		1231	32.46			0.90	0.2				

**July 30 2010 Hour: 13:50 11.5 Lat: 35.24N Lon: 59.44E Depth: 9F Agency: IGL Distant**  
**Magnitudes: 5.7MB IGL Rms: 0.3 secs**

**NORTHEASTERN IRAN Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5930	294	EP		1359	30.76	-0.25							1.0
MESJ	BZ	5930	294	AMb		1359	39.92			85	1.5				
GGNV	BZ	5975	295	EP		1359	34.26	0.33							1.0
GGNV	BZ	5975	295	AMb		1359	41.29			343	1.6				
MORF	BZ	5986	294	EP		1359	35.01	0.26							1.0
MORF	BZ	5986	294	AMb		1359	44.53			156	1.5				
MORF	BN	5986	294	ES		14	7	10.29	-0.34						1.0

**July 30 2010 Hour: 18:16 51.5 Lat: 38.36N Lon: 7.98W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.1 secs**

**NE 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	200	EP		1817	1.59	0.08							1.0
MESJ	HE	62	200	ES		1817	8.72	-0.09							1.0
MESJ	HN	62	200	AML		1817	9.40			6	0.1				
MORF	HN	131	207	ES		1817	26.90	0.01							1.0
MORF	HN	131	207	AML		1817	28.19			6	0.2				

**July 30 2010 Hour: 22:27 35.3 Lat: 36.61N Lon: 11.28W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.5ML 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	247	71	EP		2228	8.83	0.08							1.0
MORF	HE	247	71	ES		2228	32.88	-0.26							1.0
MORF	HE	247	71	AML		2228	33.85			4	0.1				
MESJ	HZ	304	62	EP		2228	15.73	-0.11							1.0
MESJ	HE	304	62	ES		2228	45.71	0.30							1.0
MESJ	HE	304	62	AML		2228	46.28			1	0.2				

**July 31 2010 Hour: 6:52 55.6 Lat: 29.48N Lon: 56.84E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.5MB IGL Rms: 0.4 secs**

**SOUTHERN IRAN Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5988	297	EP		7	2	18.96	0.28						1.0
MESJ	BZ	5988	297	AMb		7	2	25.43		99	1.5				
MESJ	BN	5988	297	ES		7	9	53.86	-0.56						1.0
MORF	BZ	6037	297	EP		7	2	22.16	0.17						1.0
MORF	BZ	6037	297	AMb		7	2	28.00		81	1.5				
MORF	BE	6037	297	ES		710	0.09	-0.46							1.0
MORF	BN	6037	297	ES		710	0.67								
GGNV	BZ	6048	298	EP		7	2	22.96	0.37						1.0
GGNV	BZ	6048	298	AMb		7	2	26.57		143	1.5				
GGNV	BE	6048	298	ES		710	1.83	0.17							1.0

July 31 2010 Hour: 11:36 56.9 Lat: 0.73S Lon: 15.98W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.0MB IGL Rms: 0.2 secs

NORTH OF ASCENSION ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4280	9	EP		1144	18.95	-0.16							1.0
MORF	BZ	4280	9	AMb		1144	21.63			36	1.4				
MESJ	BZ	4346	10	EP		1144	24.33	0.31							1.0
MESJ	BZ	4346	10	AMb		1144	26.25			27	1.2				
GGNV	BZ	4425	8	EP		1144	29.79	-0.14							1.0
GGNV	BZ	4425	8	AMb		1144	31.92			46	1.3				

August 1 2010 Hour: 3: 4 57.5 Lat: 36.05N Lon: 10.18W Depth: 1 Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	195	44	EP		3 5	27.12	-0.01							1.0
MORF	HN	195	44	ES		3 5	48.77	0.01							1.0
MORF	HN	195	44	AML		3 5	50.25			4	0.3				

August 1 2010 Hour: 7:11 30.8 Lat: 37.11N Lon: 3.77W Depth: 1 Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	402	283	EP		712	26.09	0.04							1.0

August 1 2010 Hour: 8: 6 46.0 Lat: 36.46N Lon: 8.98W Depth: 1 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	98	17	EP		8 7	1.88	-0.02							1.0
MORF	HN	98	17	ES		8 7	13.44	-0.05							1.0
MORF	HE	98	17	AML		8 7	15.98			11	0.2				
MESJ	HZ	167	24	EP		8 7	12.25	0.14							1.0
MESJ	HE	167	24	ES		8 7	31.10	-0.06							1.0
MESJ	HE	167	24	AML		8 7	34.34			4	0.1				

August 1 2010 Hour: 10:33 49.4 Lat: 38.79N Lon: 8.01W Depth: 4F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NW ARRAIOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	107	190	EP		1034	6.66	0.01							1.0
MESJ	HE	107	190	ES		1034	19.17	-0.10							1.0
MESJ	HE	107	190	AML		1034	19.73			5	0.3				
MORF	HE	174	199	ES		1034	35.66	0.10							1.0
MORF	HE	174	199	AML		1034	38.46			6	0.3				

August 1 2010 Hour: 14:30 51.9 Lat: 38.77N Lon: 7.95W Depth: 6F Agency: IGL Regional  
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NE ARRAIOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	106	193	EP		1431	9.08	0.13							1.0
MESJ	HE	106	193	ES		1431	21.27	-0.13							1.0
MESJ	HE	106	193	AML		1431	21.77			1	0.2				

August 1 2010 Hour: 21:10 1.5 Lat: 36.64N Lon: 9.78W Depth: 17F 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	125	53	EP		2110	20.71	-0.17							1.0
MORF	HE	125	53	ES		2110	35.08	0.09							1.0
MORF	HE	125	53	AML		2110	35.72			11	0.1				
MESJ	HZ	192	46	EP		2110	29.13	-0.07							1.0
MESJ	HN	192	46	ES		2110	49.55	0.16							1.0



MESJ HN 192 46 AML 2110 50.13 3 0.2

**August 2 2010 Hour: 7:529.3 Lat: 36.60N Lon: 7.65W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 2.5ML IGL Rms: 0.2 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	119	312	EP		7 5	47.37	-0.17							1.0
MORF	HE	119	312	ES		7 6	1.05	0.20							1.0
MORF	HN	119	312	AML		7 6	2.02			77	0.2				
MESJ	HZ	147	340	EP		7 5	51.23	0.26							1.0
MESJ	HE	147	340	ES		7 6	6.50	-0.28							1.0
MESJ	HE	147	340	AML		7 6	7.37			56	0.1				

**August 2 2010 Hour: 14:17 15.9 Lat: 62.07N Lon: 145.55E Depth: 21F Agency: IGL Distant**  
**Magnitudes: 4.9MS IGL Rms: 0.2 secs**

**MAGADANSKAYA OBLAST', RUSSIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8682	339	EP		1429	13.08	-0.17							1.0
MESJ	BN	8682	339	AMS		1510	11.63			524	19.9				

**August 2 2010 Hour: 16:45 1.4 Lat: 36.01N Lon: 7.45W Depth: 22F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.3 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	180	324	EP		1645	26.62	-0.45							1.0
MORF	HN	180	324	ES		1645	46.03	0.20							1.0
MORF	HE	180	324	AML		1645	47.12			13	0.2				
MESJ	HZ	214	342	EP		1645	31.30	-0.06							1.0
MESJ	HN	214	342	ES		1645	53.58	0.33							1.0
MESJ	HN	214	342	AML		1645	54.77			6	0.1				

**August 2 2010 Hour: 18:11 9.3 Lat: 37.01N Lon: 8.54W Depth: 11F 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	34	343	EP		1811	15.05	-0.06							1.0
MORF	HN	34	343	ES		1811	19.49	0.12							1.0
MORF	HN	34	343	AML		1811	20.12			17	0.2				
MESJ	HZ	96	17	EP		1811	24.37	-0.22							1.0
MESJ	HE	96	17	ES		1811	35.93	0.15							1.0
MESJ	HE	96	17	AML		1811	36.74			7	0.1				

**August 2 2010 Hour: 23:27 50.8 Lat: 36.98N Lon: 8.37W Depth: 15F 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	44	326	EP		2327	58.26	0.06							1.0
MORF	HN	44	326	ES		2328	3.56	-0.05							1.0
MORF	HE	44	326	AML		2328	4.59			21	0.1				
MESJ	HZ	96	8	EP		2328	6.14	0.07							1.0
MESJ	HE	96	8	ES		2328	17.13	-0.09							1.0
MESJ	HE	96	8	AML		2328	19.24			4	0.0				

**August 3 2010 Hour: 10:39 57.7 Lat: 38.63N Lon: 9.82W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**

**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HE	165	122	ES		1040	37.96	0.03							1.0
MESJ	HE	165	122	AML		1040	39.02			2	0.2				
MORF	HZ	179	145	EP		1040	22.66	-0.04							1.0
MORF	HN	179	145	ES		1040	40.97	-0.02							1.0
MORF	HN	179	145	AML		1040	41.78			10	0.2				
MESJ	HZ	165	122	EP		1040	20.96	0.03							1.0

**August 3 2010 Hour: 12: 8 27.3 Lat: 1.24N Lon: 126.28E Depth: 43F Agency: IGL Distant**  
**Magnitudes: 5.8MS IGL Rms: 0.2 secs**

**MOLUCCA SEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	13670	318	EP		1227	18.50	0.22							1.0
MESJ	BZ	13670	318	EPP		1228	56.70	-0.08							1.0
MESJ	BZ	13670	318	AMS		1327	13.68			2245	18.9				
GGNV	BZ	13686	319	EP		1227	18.34	-0.19							1.0
GGNV	BZ	13686	319	EPP		1228	57.61	-0.12							1.0
GGNV	BE	13686	319	AMS		1318	35.98			2352	25.5				
MORF	BZ	13733	317	EP		1227	19.77	0.34							1.0
MORF	BZ	13733	317	EPP		1229	0.54	-0.16							1.0
MORF	BE	13733	317	AMS		1327	48.15			2822	22.4				

**August 3 2010 Hour: 16:26 27.8 Lat: 38.45N Lon: 69.63E Depth: 37F Agency: IGL Distant**  
**Magnitudes: 5.1MB IGL Rms: 0.1 secs**

**TAJIKISTAN Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6603	296	EP		1636	26.40	-0.11							1.0
MESJ	BZ	6603	296	AMb		1636	27.63			50	1.4				
MESJ	BE	6603	296	ES		1644	33.60	0.11							1.0

**August 3 2010 Hour: 19:14 49.8 Lat: 38.77N Lon: 9.28W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 1.5ML 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	HN	13	117	ES		1914	54.90	0.06							1.0
GGNV	HE	13	117	AML		1914	55.74			177	0.1				
MESJ	HZ	139	138	EP		1915	10.98	-0.16							0.9
MESJ	HE	139	138	ES		1915	26.95	0.20							0.9
MESJ	HN	139	138	AML		1915	27.58			6	0.1				
MORF	HZ	172	161	EP		1915	14.97	-0.27							0.9
MORF	HE	172	161	ES		1915	34.09	0.24							0.9
MORF	HE	172	161	AML		1915	34.23			5	0.2				
GGNV	HZ	13	117	EP		1914	52.63	-0.06							1.0

**August 3 2010 Hour: 19:42 12.3 Lat: 9.50S Lon: 39.06E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.1MB IGL Rms: 0.0 secs**

**TANZANIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7181	319	EP		1952	49.69	0.03							1.0
MORF	BZ	7181	319	AMb		1952	55.42			38	1.5				
MESJ	BZ	7185	320	EP		1952	49.84	-0.03							1.0
MESJ	BZ	7185	320	AMb		1952	54.42			39	1.3				

**August 3 2010 Hour: 20: 0 25.4 Lat: 38.37N Lon: 8.98W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL Rms: 0.1 secs**

**SE SESIMBRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	89	131	EP		20 0	39.62	-0.07							1.0
MESJ	HE	89	131	ES		20 0	50.22	0.07							1.0
MESJ	HE	89	131	AML		20 0	51.75			2	0.1				

**August 3 2010 Hour: 22:30 30.3 Lat: 22.61S Lon: 171.44E Depth: 64F Agency: IGL Distant**  
**Magnitudes: 5.5MS IGL Rms: 0.4 secs**

**SOUTHEAST OF LOYALTY ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	18339	359	EP		2250	26.62	0.33							1.0
MESJ	BZ	18339	359	EPP		2255	9.71	0.17							1.0
MESJ	BZ	18339	359	AMS		24 0	5.89			621	18.7				
MORF	BZ	18398	0	EPP		2255	11.85	-0.52							1.0
MORF	BZ	18398	0	AMS		24 1	58.74			592	20.9				

**August 4 2010 Hour: 2:23 44.3 Lat: 37.50N Lon: 11.35W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.2 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	240	94	EP		224	16.77	-0.15							1.0
MORF	HE	240	94	ES		224	40.53	-0.21							1.0
MORF	HE	240	94	AML		224	40.94			5	0.1				
MESJ	HZ	279	81	EP		224	21.76	0.06							1.0
MESJ	HE	279	81	ES		224	49.33	0.32							1.0
MESJ	HN	279	81	AML		224	51.10			5	0.2				

**August 4 2010 Hour: 4:46 22.2 Lat: 26.95S Lon: 177.14W Depth: 24F Agency: IGL Distant**  
**Magnitudes: 6.1MS IGL Rms: 0.5 secs**

**SOUTH OF FIJI ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	18304	38	EP		5 6	22.32	-0.85							1.0
GGNV	BZ	18304	38	EPP		511	4.49	-0.36							1.0
GGNV	BZ	18304	38	AMS		633	41.01			2260	21.7				
MESJ	BZ	18430	38	EP		5 6	24.81	0.62							1.0
MESJ	BE	18430	38	ESS		531	48.74	0.39							1.0
MESJ	BZ	18430	38	AMS		620	32.24			2194	14.0				
MORF	BZ	18445	40	EP		5 6	24.93	0.57							1.0
MORF	BZ	18445	40	EPP		511	11.20	-0.34							1.0
MORF	BE	18445	40	ESS		531	49.74	-0.04							1.0
MORF	BZ	18445	40	AMS		621	15.86			2464	21.2				

**August 4 2010 Hour: 7:15 29.3 Lat: 5.52S Lon: 146.79E Depth: 214F Agency: IGL Distant**  
**Magnitudes: 6.0MS IGL Rms: 0.4 secs**

**EASTERN NEW GUINEA REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BE	15630	330	AMS		830	30.71			3059	20.0				
MESJ	BE	15651	328	AMS		829	56.89			2000	16.1				
MORF	BN	15721	328	AMS		830	57.76			2319	22.4				
MORF	BZ	15721	328	EP		734	31.49								
MESJ	BZ	15651	328	EP		734	30.92								
GGNV	BZ	15630	330	EP		734	31.21								

**August 4 2010 Hour: 12:58 25.5 Lat: 51.43N Lon: 178.61W Depth: 27F Agency: IGL Distant**  
**Magnitudes: 6.2MS IGL Rms: 0.1 secs**

**ANDREANOF ISLANDS, ALEUTIAN ISLANDS, ALASKA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9972	8	EP		1311	20.72	0.03							1.0
GGNV	BZ	9972	8	EPP		1314	53.50	0.06							1.0
GGNV	BZ	9972	8	AMS		1348	16.73			9887	24.0				
MESJ	BZ	10077	8	EP		1311	25.03	-0.13							1.0
MESJ	BN	10077	8	ES		1321	54.77	-0.21							1.0
MESJ	BZ	10077	8	AMS		1348	44.85			7574	20.2				
MORF	BZ	10132	8	EP		1311	27.59	0.08							1.0
MORF	BN	10132	8	ES		1321	58.07	0.16							1.0
MORF	BZ	10132	8	AMS		1349	33.44			11108	23.9				

**August 4 2010 Hour: 22: 1 39.3 Lat: 5.77S Lon: 150.78E Depth: 44F Agency: IGL Distant**  
**Magnitudes: 6.8MS IGL Rms: 0.1 secs**

**NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	15862	334	EP		2221	6.94	0.20							1.0
GGNV	BZ	15862	334	AMS		2333	23.61			17547	18.7				
MESJ	BZ	15895	332	EP		2221	7.17	-0.12							1.0
MESJ	BZ	15895	332	AMS		2333	35.49			16719	22.5				
MORF	BZ	15965	332	EP		2221	8.38	-0.07							1.0
MORF	BZ	15965	332	AMS		2334	26.99			7482	12.2				

**August 5 2010 Hour: 6:148.1 Lat: 37.36S Lon: 73.34W Depth: 16F Agency: IGL Distant**  
**Magnitudes: 6.0MS IGL Rms: 0.1 secs**

**BIO-BIO, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10600		46	EP		615	11.22	0.00							1.0
MORF	BZ10600		46	EPP		619	1.47	-0.15							1.0
MORF	BN10600		46	ES		625	46.46	0.00							1.0
MORF	BZ10600		46	AMS		659	50.65			4413	16.9				
MESJ	BZ10668		46	EP		615	13.98	0.04							1.0
MESJ	BZ10668		46	EPP		619	6.42	0.08							1.0
MESJ	BE10668		46	ES		625	49.41	-0.23							1.0
MESJ	BZ10668		46	AMS		7 0	19.31			4075	19.4				
GGNV	BZ10676		45	EP		615	14.46	0.25							1.0
GGNV	BZ10676		45	AMS		656	52.39			4119	17.6				

**August 5 2010 Hour: 9:48 5.7 Lat: 39.38N Lon: 9.25W Depth: 0F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.1 secs**

**SE PENICHE, PORTUGAL Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	193	152	EP		948	35.28	0.14							1.0
MESJ	HN	193	152	ES		948	56.65	0.00							1.0
MESJ	HN	193	152	AML		948	57.56			4	0.6				
MORF	HZ	236	167	EP		948	40.47	-0.03							1.0
MORF	HE	236	167	ES		949	5.81	-0.11							1.0
MORF	HE	236	167	AML		949	8.93			4	0.3				

**August 5 2010 Hour: 18:54 15.5 Lat: 32.16N Lon: 5.61W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 3.8ML IGL Rms: 0.5 secs**

**MOROCCO Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	635	335	EP		1855	36.64	0.23							1.0
MORF	HE	635	335	ES		1856	35.14	-0.35							1.0
MORF	HE	635	335	AML		1856	36.88			113	0.8				
MESJ	HZ	674	340	EP		1855	41.79	0.78							1.0
MESJ	HN	674	340	ES		1856	43.05	-0.40							1.0
MESJ	HN	674	340	AML		1856	44.07			89	0.4				
GGNV	HE	795	337	ES		1857	7.85	-0.31							0.9
GGNV	HN	795	337	AML		1857	9.20			108	0.5				

**August 5 2010 Hour: 20:35 50.6 Lat: 20.04S Lon: 70.49W Depth: 38F Agency: IGL Distant**  
**Magnitudes: 4.5MS IGL Rms: 0.3 secs**

**OFFSHORE TARAPACA, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9130	45	EP		2048	7.32	0.30							1.0
MESJ	BZ	9130	45	AMS		2121	53.66			205	20.9				

**August 6 2010 Hour: 2:37 47.8 Lat: 34.23N Lon: 25.03E Depth: 28F Agency: IGL Distant**  
**Magnitudes: 4.6MB IGL Rms: 0.0 secs**

**CRETE, GREECE Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3008	287	EP		243	27.76	0.00							1.0
MESJ	BZ	3008	287	AMb		243	33.17			28	2.1				
MESJ	BE	3008	287	ES		248	4.76	0.00							1.0

**August 6 2010 Hour: 2:52 29.9 Lat: 36.96N Lon: 10.83W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.2 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	197	78	EP		252	57.24	-0.04							1.0
MORF	HN	197	78	ES		253	17.08	-0.18							1.0
MORF	HN	197	78	AML		253	17.60			4	0.1				
MESJ	HE	251	66	ES		253	28.93	0.24							1.0
MESJ	HE	251	66	AML		253	29.83			2	0.3				

August 7 2010 Hour: 16:9 23.3 Lat: 33.28N Lon: 13.58W Depth: 10F Agency: IGL Regional  
Magnitudes: 2.2ML 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	633	44	EP		1610	46.10	0.40							1.0
MORF	HE	633	44	ES		1611	45.58	-0.29							1.0
MORF	HE	633	44	AML		1611	48.09			5	0.2				
MESJ	HZ	701	42	EP		1610	53.87	-0.08							1.0
MESJ	HE	701	42	ES		1612	0.10	-0.05							1.0
MESJ	HE	701	42	AML		1612	2.65			2	0.1				

August 8 2010 Hour: 2:54 18.8 Lat: 36.66N Lon: 4.72W Depth: 16F Agency: IGL Regional  
Magnitudes: 2.2ML IGL Rms: 0.3 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	337	294	EP		255	4.19	-0.40							1.0
MESJ	HN	337	294	ES		255	38.16	0.18							1.0
MESJ	HN	337	294	AML		255	40.12			6	0.2				
MORF	HE	357	283	ES		255	42.62	0.23							1.0
MORF	HN	357	283	AML		255	43.83			13	0.1				

August 8 2010 Hour: 4:6 34.5 Lat: 34.68N Lon: 24.39E Depth: 18F Agency: IGL Distant  
Magnitudes: 5.0MB 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	2937	286	EP		412	10.10	0.00							1.0
MESJ	BZ	2937	286	AMB		412	15.77			40	1.2				

August 8 2010 Hour: 12:4 29.4 Lat: 51.39N Lon: 178.59W Depth: 29F Agency: IGL Distant  
Magnitudes: 5.0MS IGL Rms: 0.0 secs

ANDEANOF ISLANDS, ALEUTIAN ISLANDS, ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10081		8	EP		1217	29.03	0.03							1.0
MESJ	BZ10081		8	AMS		13	1	45.04		605	17.2				
MORF	BZ10136		8	EP		1217	31.31	-0.03							1.0
MORF	BZ10136		8	AMS		1254	25.67			658	28.7				

August 9 2010 Hour: 2:23 51.3 Lat: 37.99N Lon: 9.21W Depth: 2F Agency: IGL Regional  
Magnitudes: 0.8ML IGL Rms: 0.1 secs

W SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	89	101	EP		224	5.52	-0.04							1.0
MESJ	HE	89	101	ES		224	16.06	0.06							1.0
MESJ	HE	89	101	AML		224	16.87			2	0.0				
MORF	HZ	91	147	EP		224	5.74	-0.13							1.0
MORF	HE	91	147	ES		224	16.64	0.11							1.0
MORF	HN	91	147	AML		224	17.20			4	0.1				

August 9 2010 Hour: 2:54 22.2 Lat: 36.40N Lon: 7.99W Depth: 20F 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	117	330	EP		254	40.09	-0.15							1.0
MORF	HN	117	330	ES		254	53.48	0.07							1.0
MORF	HN	117	330	AML		254	54.00			27	0.1				
MESJ	HZ	161	353	EP		254	45.75	0.02							1.0
MESJ	HE	161	353	ES		255	2.98	0.06							1.0
MESJ	HE	161	353	AML		255	3.93			22	0.2				

**August 9 2010 Hour: 20:25 52.8 Lat: 20.90S Lon: 174.71W Depth: 27F Agency: IGL Distant**  
**Magnitudes: 4.9MS IGL Rms: 0.1 secs**

**TONGA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17743	32	EP			2045	48.27	0.14							1.0
MESJ	BN17743	32	AMS			2157	44.64			147	23.5				
MORF	BZ17765	34	EP			2045	48.27	-0.14							1.0
MORF	BN17765	34	AMS			22 4	56.59			272	26.6				

**August 9 2010 Hour: 22:21 45.5 Lat: 13.54N Lon: 92.77E Depth: 32F Agency: IGL Distant**  
**Magnitudes: 5.3MB IGL Rms: 0.1 secs**

**ANDAMAN ISLANDS, INDIA REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10047	309	EP			2234	43.26	-0.10							1.0
MESJ	BZ10047	309	AMb			2234	44.24			26	0.7				
MORF	BZ10101	309	EP			2234	45.77	0.10							1.0
MORF	BZ10101	309	AMb			2234	45.84			26	1.3				

**August 9 2010 Hour: 22:45 37.1 Lat: 39.43N Lon: 11.07W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.4 secs**

**NORTH ATLANTIC OCEAN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	305	125	EP		2246	20.74	0.34							1.0
MESJ	HE	305	125	ES		2246	52.14	0.14							1.0
MESJ	HE	305	125	AML		2246	53.36			2	0.1				
MORF	HZ	317	137	EP		2246	21.45	-0.49							1.0

**August 10 2010 Hour: 5:23 46.8 Lat: 17.59S Lon: 167.98E Depth: 35F Agency: IGL Distant**  
**Magnitudes: 7.4MS IGL Rms: 0.2 secs**

**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17673	354	EP			543	39.77	-0.29							0.9
GGNV	BN17673	354	ESS			6 7	58.97	0.11							1.0
GGNV	BZ17673	354	AMS			657	57.82			82942	23.2				
MESJ	BZ17756	351	EP			543	41.02	0.05							1.0
MESJ	BZ17756	351	EPP			548	1.48	0.14							1.0
MESJ	BZ17756	351	AMS			652	14.92			48223	24.3				
MORF	BZ17821	352	EP			543	41.59	-0.10							1.0
MORF	BZ17821	352	EPP			548	4.72	0.18							1.0
MORF	BN17821	352	ESS			6 8	12.95	-0.11							1.0
MORF	BZ17821	352	AMS			656	59.14			57202	19.1				

**August 10 2010 Hour: 20:52 54.6 Lat: 38.76N Lon: 8.30W Depth: 4F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.0 secs**

**NW MONTEMOR-O-NOVO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	102	176	EP		2053	11.10	0.01							1.0
MESJ	HN	102	176	ES		2053	23.15	-0.01							1.0
MESJ	HN	102	176	AML		2053	25.42			3	0.3				

**August 10 2010 Hour: 20:56 0.0 Lat: 15.01N Lon: 91.46W Depth: 160F Agency: IGL Distant**  
**Magnitudes: 4.3MB IGL Rms: 0.2 secs**

**GUATEMALA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8393	55	EP		21 7	26.58	0.18							1.0
MORF	BZ	8393	55	AMb		21 7	27.14			24	1.9				
MESJ	BZ	8423	54	EP		21 7	27.67	-0.18							1.0
MESJ	BZ	8423	54	AMb		21 7	42.08			12	2.0				

**August 10 2010 Hour: 21:28 33.9 Lat: 37.32N Lon: 8.56W Depth: 6F Agency: IGL Regional**  
**Magnitudes: 0.5ML 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		8	259	EP		2128	35.45	-0.16						1.0
MORF	HN		8	259	ES		2128	37.01	0.16						1.0
MORF	HN		8	259	AML		2128	37.52			31	0.2			

**August 10 2010 Hour: 23:23 51.4 Lat: 37.04N Lon: 5.12W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.1 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	288	289	EP		2324	32.68	-0.05							1.0
MESJ	HE	288	289	ES		2325	2.93	0.05							1.0
MESJ	HE	288	289	AML		2325	10.09				1	0.3			

**August 10 2010 Hour: 23:18 34.0 Lat: 14.48S Lon: 167.20E Depth:202FAgency: IGL Distant**  
**Magnitudes: 5.1MS 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	BZ17323		353	EP		2338	2.84	0.04							1.0
GGNV	BZ17323		353	AMS		2450	51.11			472	18.3				
MESJ	BZ17405		351	EP		2338	3.78	-0.02							1.0
MESJ	BZ17405		351	AMS		2445	10.78			178	18.8				
MORF	BZ17470		352	EP		2338	4.60	-0.02							1.0
MORF	BN17470		352	AMS		2453	57.23			395	24.4				

**August 11 2010 Hour: 3:35 21.0 Lat: 17.38S Lon: 167.73E Depth: 41F Agency: IGL Distant**  
**Magnitudes: 5.9MS IGL Rms: 0.2 secs**

**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17647		353	EP		355	13.36	0.07							1.0
GGNV	BZ17647		353	EPP		359	30.03	0.49							1.0
GGNV	BZ17647		353	AMS		511	23.16			1691	18.7				
MESJ	BZ17729		351	EP		355	13.99	-0.21							1.0
MESJ	BZ17729		351	EPP		359	33.44	-0.16							1.0
MESJ	BZ17729		351	AMS		517	6.57			1811	17.4				
MORF	BZ17795		352	EP		355	14.74	-0.20							1.0
MORF	BZ17795		352	EPP		359	36.85	0.02							1.0
MORF	BZ17795		352	AMS		516	56.85			1573	19.0				

**August 11 2010 Hour: 10:24 43.9 Lat: 38.45N Lon: 9.38W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.2 secs**

**W SESIMBRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	36	34	ES		1024	54.36	0.12							1.0
GGNV	HN	36	34	AML		1024	54.95			147	0.1				
MESJ	HZ	122	123	EP		1025	2.82	-0.35							1.0
MESJ	HN	122	123	ES		1025	17.25	-0.01							1.0
MESJ	HN	122	123	AML		1025	18.79			12	0.2				
MORF	HZ	142	153	EP		1025	5.99	-0.01							1.0
MORF	HE	142	153	ES		1025	22.40	0.24							1.0
MORF	HE	142	153	AML		1025	23.80			13	0.2				

**August 11 2010 Hour: 11: 6 28.2 Lat: 31.33N Lon: 12.82W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 3.1ML IGL Rms: 0.4 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	766	29	EP		11	8	7.69	0.26						1.0
MORF	HE	766	29	ES		11	9	19.30	-0.58						1.0
MORF	HN	766	29	AML		11	9	22.04		24	0.2				
MESJ	HZ	836	29	EP		11	8	15.74	0.07						1.0
MESJ	HE	836	29	ES		11	9	34.42	0.28						1.0

MESJ HE 836 29 AML 11 9 37.53 8 0.2

August 11 2010 Hour: 21:46 16.6 Lat: 37.01N Lon: 10.59W Depth: 30F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	175	79	EP		2146	41.12	-0.11							1.0
MORF	HN	175	79	ES		2146	59.12	-0.09							1.0
MORF	HE	175	79	AML		2147	0.18			6	0.1				
MESJ	HZ	229	66	EP		2146	47.82	-0.05							1.0
MESJ	HE	229	66	ES		2147	10.96	0.26							1.0
MESJ	HE	229	66	AML		2147	11.90			1	0.2				

August 11 2010 Hour: 23:58 2.6 Lat: 5.45S Lon: 154.12E Depth:127F Agency: IGL Distant  
Rms: 0.1 secs

BOUGAINVILLE REGION; PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16026	336	336	EP		2417	22.23	-0.12							1.0
MORF	BZ16096	336	336	EP		2417	23.11	0.12							1.0

August 12 2010 Hour: 3:21 9.0 Lat: 38.78N Lon: 7.98W Depth: 8F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.2 secs

NE ARRAIOLOS Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	106	191	EP		321	26.17	0.18							1.0
MESJ	HE	106	191	ES		321	38.25	-0.18							1.0
MESJ	HE	106	191	AML		321	39.47			7	0.1				

August 12 2010 Hour: 3:41 1.5 Lat: 38.78N Lon: 7.97W Depth: 8F Agency: IGL Regional  
Magnitudes: 0.8ML 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
MESJ	HZ	107	192	EP		341	18.36	-0.19							1.0
MESJ	HN	107	192	ES		341	31.20	0.19							1.0
MESJ	HE	107	192	AML		341	31.54			2	0.5				

August 12 2010 Hour: 11:54 16.5 Lat: 1.26S Lon: 77.31W Depth:211F Agency: IGL Distant  
Magnitudes: 6.5MS IGL Rms: 0.3 secs

ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8227	49	EP		12	5	28.35	-0.21						1.0
GGNV	BE	8227	49	ES		1214	42.95	-0.49							1.0
GGNV	BZ	8227	49	AMS		1232	44.40			29176	18.2				
MORF	BZ	8229	51	EP		12	5	28.99	0.20						1.0
MORF	BN	8229	51	ES		1214	44.20	0.34							1.0
MORF	BZ	8229	51	AMS		1234	9.74			25235	18.8				
MESJ	BZ	8281	50	EP		12	5	31.34	-0.07						1.0
MESJ	BE	8281	50	ES		1214	49.12	0.21							1.0
MESJ	BZ	8281	50	AMS		1234	14.90			17394	20.4				

August 13 2010 Hour: 6:28 14.3 Lat: 37.14N Lon: 33.09W Depth: 10F Agency: IGL Distant  
Magnitudes: 4.6MB IGL Rms: 0.2 secs

AZORES ISLANDS REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	2163	82	AMb		632	48.08			56	1.2				
MORF	BN	2163	82	ES		636	21.67	0.13							1.0
MESJ	BZ	2194	80	EP		632	43.83	-0.28							1.0
MESJ	BZ	2194	80	AMb		632	47.35			45	1.4				
MESJ	BN	2194	80	ES		636	27.67	0.13							1.0



**August 13 2010 Hour: 7:58 53.6 Lat: 36.92N Lon: 32.93W Depth: 40F Agency: IGL Distant**  
**Magnitudes: 4.7MB IGL Rms: 0.1 secs**

**AZORES ISLANDS REGION Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2098	77	EP		8	3	10.63	0.26						1.0
GGNV	BZ	2098	77	AMb		8	3	24.28		181	3.3				
MORF	BZ	2153	82	EP		8	3	15.77	-0.09						1.0
MORF	BZ	2153	82	AMb		8	3	33.63		104	1.7				
MORF	BN	2153	82	ES		8	6	53.44	-0.04						1.0
MESJ	BZ	2185	80	EP		8	3	18.92	-0.04						1.0
MESJ	BZ	2185	80	AMb		8	3	35.34		79	1.7				
MESJ	BE	2185	80	ES		8	6	59.12	-0.08						1.0

**August 13 2010 Hour: 8:33 25.6 Lat: 36.96N Lon: 15.01W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 2.7ML IGL Rms: 0.5 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	566	84	EP		834	40.54	0.60							1.0
MESJ	HZ	609	79	EP		834	44.94	-0.14							1.0
MESJ	HE	609	79	ES		835	42.63	-0.49							1.0
MESJ	HN	609	79	AML		835	45.29			9	0.4				

**August 13 2010 Hour: 9:20 26.5 Lat: 36.60N Lon: 11.19W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.2 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	239	70	EP		920	59.58	-0.22							1.0
MORF	HE	239	70	ES		921	24.20	0.09							1.0
MORF	HE	239	70	AML		921	25.32			9	0.3				
MESJ	HZ	297	62	EP		921	6.93	-0.04							1.0
MESJ	HE	297	62	ES		921	36.70	0.18							1.0
MESJ	HN	297	62	AML		921	37.84			3	0.2				

**August 13 2010 Hour: 21:19 33.4 Lat: 12.50N Lon: 141.47E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 7.3MS IGL Rms: 0.2 secs**

**MARIANA ISLANDS REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13593	333	333	EP		2138	28.30	0.17							1.0
GGNV	BZ13593	333	333	EPP		2140	3.17	0.20							1.0
GGNV	BE13593	333	AMS			2237	6.29			75209	16.5				
MESJ	BZ13626	332	332	EP		2138	28.64	-0.08							1.0
MESJ	BZ13626	332	332	EPP		2140	5.09	0.08							1.0
MESJ	BN13626	332	332	ESS		2156	46.96	-0.30							1.0
MESJ	BZ13626	332	AMS			2237	32.48			56438	18.7				
MORF	BZ13696	332	332	EP		2138	30.17	0.19							1.0
MORF	BZ13696	332	332	EPP		2140	9.34	-0.01							1.0
MORF	BN13696	332	332	ESS		2156	55.11	-0.27							1.0
MORF	BZ13696	332	AMS			2238	3.59			61392	18.5				

**August 13 2010 Hour: 23:48 29.7 Lat: 36.33N Lon: 9.07W Depth: 6F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.2 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	19	EP		2348	47.98	-0.09							1.0
MORF	HE	115	19	ES		2349	1.81	0.31							1.0
MORF	HN	115	19	AML		2349	2.12			11	0.3				
MESJ	HZ	184	24	EP		2348	57.20	-0.15							1.0
MESJ	HN	184	24	ES		2349	17.47	-0.09							1.0
MESJ	HN	184	24	AML		2349	19.15			4	0.6				

**August 14 2010 Hour: 7:30 17.1 Lat: 12.33N Lon: 141.47E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 6.3MS IGL Rms: 0.2 secs**

**MARIANA ISLANDS REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13610	333	EPP			750	47.64	-0.03							1.0
GGNV	BE13610	333	AMS			844	52.99		7822	25.6					
MESJ	BZ13643	332	EPP			750	49.57	-0.13							1.0
MESJ	BN13643	332	ESS			8 7	33.25	0.40							1.0
MESJ	BZ13643	332	AMS			845	21.63		7444	24.4					
MORF	BZ13713	332	EPP			750	53.88	-0.15							1.0
MORF	BE13713	332	ESS			8 7	40.87	-0.09							1.0
MORF	BZ13713	332	AMS			845	29.50		8031	21.0					

**August 14 2010 Hour: 14:44 37.1 Lat: 12.26N Lon: 141.43E Depth: 42F Agency: IGL Distant**  
**Magnitudes: 5.4MS IGL Rms: 0.1 secs**

**MARIANA ISLANDS REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13647	332	EPP			15 5	5.57	0.10							1.0
MESJ	BZ13647	332	AMS			1559	13.72		833	23.4					
MORF	BZ13718	332	EPP			15 5	9.69	-0.10							1.0
MORF	BZ13718	332	AMS			1559	45.29		873	19.0					

**August 14 2010 Hour: 14:57 15.0 Lat: 36.32N Lon: 15.51W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.2 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	622	78	EP		1458	36.26	0.20							1.0
MORF	HE	622	78	ES		1459	34.99	-0.26							1.0
MORF	HN	622	78	AML		1459	36.45		11	0.3					
MESJ	HZ	670	73	EP		1458	41.97	0.13							1.0
MESJ	HN	670	73	ES		1459	45.19	-0.07							1.0
MESJ	HN	670	73	AML		1459	47.98		4	0.3					

**August 14 2010 Hour: 16:35 44.0 Lat: 12.30N Lon: 141.57E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.7MS IGL Rms: 0.1 secs**

**MARIANA ISLANDS REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13651	332	EPP			1656	17.19	0.09							1.0
MESJ	BZ13651	332	AMS			1754	18.95		1302	15.5					
MORF	BZ13721	332	EPP			1656	21.34	-0.09							1.0
MORF	BZ13721	332	AMS			1754	30.87		1340	18.3					

**August 14 2010 Hour: 18:10 15.0 Lat: 39.38N Lon: 11.38W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.3 secs**

**NORTH ATLANTIC OCEAN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	325	121	EP		1811	0.28	0.34							1.0
MESJ	HE	325	121	ES		1811	32.92	0.15							1.0
MESJ	HN	325	121	AML		1811	35.24		20	0.2					
MORF	HZ	332	133	EP		1811	0.49	-0.42							1.0
MORF	HE	332	133	ES		1811	34.37	-0.07							1.0

**August 14 2010 Hour: 23: 1 6.0 Lat: 12.21N Lon: 141.41E Depth: 22F Agency: IGL Distant**  
**Magnitudes: 6.6MS IGL Rms: 0.1 secs**

**MARIANA ISLANDS REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13619	333	EP			2319	59.13	0.07							1.0
GGNV	BZ13619	333	EPP			2321	35.17	0.02							1.0
GGNV	BZ13619	333	AMS			2417	47.35		13538	19.5					
MESJ	BZ13651	332	EP			2319	59.62	-0.03							1.0
MESJ	BZ13651	332	EPP			2321	37.08	-0.08							1.0
MESJ	BN13651	332	ESS			2338	19.46	0.05							1.0
MESJ	BZ13651	332	AMS			2416	11.12		13456	22.4					



**August 15 2010 Hour: 7:31 53.3 Lat: 37.32N Lon: 8.47W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.1 secs**

**E MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	265	EP		731	56.68	-0.11							1.0
MORF	HN	16	265	ES		731	59.43	0.11							1.0
MORF	HN	16	265	AML		731	59.87			30	0.2				
MESJ	HZ	62	21	EP		732	3.36	0.00							1.0
MESJ	HE	62	21	ES		732	10.69	0.00							1.0

**August 15 2010 Hour: 12:57 37.2 Lat: 36.28N Lon: 8.48W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	352	EP		1257	55.27	-0.05							1.0
MORF	HN	115	352	ES		1258	8.51	-0.03							1.0
MORF	HE	115	352	AML		1258	8.94			8	0.2				
MESJ	HZ	175	8	EP		1258	2.97	-0.08							1.0
MESJ	HE	175	8	ES		1258	22.08	0.17							1.0
MESJ	HE	175	8	AML		1258	23.10			2	0.1				

**August 15 2010 Hour: 15: 9 26.0 Lat: 5.71S Lon: 148.34E Depth:183F Agency: IGL Distant**  
**Magnitudes: 5.6MS IGL Rms: 0.3 secs**

**NEW BRITAIN REGION, PAPUA NEW GUINEA Met: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15732	331	EP			1528	34.09	-0.24							1.0
GGNV	BE15732	331	AMS			1625	16.55			1388	21.6				
MESJ	BZ15757	330	EP			1528	34.63	-0.14							1.0
MESJ	BZ15757	330	AMS			1632	7.87			982	21.1				
MORF	BZ15827	329	EP			1528	36.32	0.39							1.0
MORF	BZ15827	329	AMS			1630	18.85			844	21.4				

**August 16 2010 Hour: 3:30 55.5 Lat: 17.79S Lon: 65.69E Depth: 11F Agency: IGL Distant**  
**Magnitudes: 6.0MS IGL Rms: 0.1 secs**

**MAURITIUS - REUNION REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9865	310	EP		343	49.07	0.20							1.0
MESJ	BN	9865	310	ES		354	17.18	-0.13							1.0
MESJ	BZ	9865	310	AMS		421	27.53			5242	25.2				
MORF	BZ	9877	310	EP		343	49.24	-0.16							1.0
MORF	BN	9877	310	ES		354	18.07	0.06							1.0
MORF	BE	9877	310	AMS		422	42.06			5736	23.5				
GGNV	BZ	9979	311	EP		343	53.62	0.02							1.0
GGNV	BZ	9979	311	AMS		427	56.73			6520	16.8				

**August 16 2010 Hour: 19:35 50.1 Lat: 20.76S Lon: 178.76W Depth:611F Agency: IGL Distant**  
**Magnitudes: 5.6MS IGL Rms: 0.3 secs**

**FIJI REGION Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17802	24	EP			1954	39.73	0.01							1.0
GGNV	BZ17802	24	EPP			1959	8.25	-0.37							1.0
GGNV	BE17802	24	AMS			2030	59.58			838	18.4				
MESJ	BZ17927	24	EP			1954	41.51	0.55							1.0
MESJ	BZ17927	24	EPP			1959	14.51	-0.05							1.0
MESJ	BN17927	24	AMS			2029	40.74			748	22.4				
MORF	BZ17960	25	EP			1954	41.52	0.19							1.0
MORF	BZ17960	25	EPP			1959	15.90	-0.27							1.0
MORF	BE17960	25	ESS			2018	44.43	-0.04							1.0
MORF	BN17960	25	AMS			2025	59.81			833	21.2				

**August 16 2010 Hour: 19:43 38.0 Lat: 37.05N Lon: 8.05W Depth: 0 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	61	298	EP		1943	47.79	0.02							1.0
MORF	HE	61	298	ES		1943	54.71	-0.18							1.0
MORF	HN	61	298	AML		1943	56.12			12	0.2				
MESJ	HZ	89	350	EP		1943	52.39	0.03							1.0
MESJ	HE	89	350	ES		1944	2.96	0.13							1.0
MESJ	HN	89	350	AML		1944	4.12			5	0.1				

**August 16 2010 Hour: 20:24 46.2 Lat: 36.31N Lon: 8.39W Depth: 6F 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	113	348	EP		2025	4.30	-0.09							1.0
MORF	HN	113	348	ES		2025	17.64	0.01							1.0
MORF	HN	113	348	AML		2025	18.62			13	0.3				
MESJ	HZ	170	5	EP		2025	12.24	-0.02							1.0
MESJ	HE	170	5	ES		2025	31.35	0.10							1.0
MESJ	HN	170	5	AML		2025	31.99			11	0.2				

**August 17 2010 Hour: 1:12 54.3 Lat: 37.49N Lon: 7.48W Depth: 3F Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.2 secs**

**N ALCOUTIM, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	76	301	EP		113	6.24	-0.34							1.0
MESJ	HN	76	301	ES		113	15.54	0.01							1.0
MESJ	HN	76	301	AML		113	16.38			9	0.2				
MORF	HZ	106	259	EP		113	11.37	0.00							1.0
MORF	HN	106	259	ES		113	24.15	0.33							1.0
MORF	HN	106	259	AML		113	25.04			14	0.4				

**August 17 2010 Hour: 8:37 53.8 Lat: 36.84N Lon: 8.34W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.2 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	59	332	EP		838	3.70	0.16							1.0
MORF	HN	59	332	ES		838	10.69	0.03							1.0
MORF	HN	59	332	AML		838	11.66			100	0.1				
MESJ	HZ	111	5	EP		838	10.84	-0.32							1.0
MESJ	HN	111	5	ES		838	23.97	0.12							1.0
MESJ	HE	111	5	AML		838	24.99			13	0.3				

**August 17 2010 Hour: 14:36 59.6 Lat: 36.63N Lon: 9.68W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	50	EP		1437	18.17	-0.11							1.0
MORF	HE	118	50	ES		1437	31.97	0.09							1.0
MORF	HE	118	50	AML		1437	32.27			4	0.1				
MESJ	HZ	187	44	EP		1437	26.71	0.00							1.0
MESJ	HN	187	44	ES		1437	46.48	0.02							1.0
MESJ	HN	187	44	AML		1437	47.09			2	0.4				

**August 17 2010 Hour: 19:0 39.9 Lat: 37.08N Lon: 9.58W Depth: 22F 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	86	73	EP		19 0	53.58	-0.07							1.0
MORF	HE	86	73	ES		19 1	3.82	0.09							1.0
MORF	HN	86	73	AML		19 1	4.88			6	0.2				
MESJ	HZ	147	55	EP		19 1	1.34	-0.12							1.0

MESJ HE 147 55 ES 19 1 17.35 0.11 1.0  
 MESJ HE 147 55 AML 19 1 17.95 1 0.2

**August 18 2010 Hour: 7:57 21.8 Lat: 39.28N Lon: 9.07W Depth: 22F Agency: IGL Regional  
 Magnitudes: 2.8ML IGL Rms: 0.1 secs**

**E CADAVAL, PORTUGAL Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	63	186	ES		757	39.74	-0.06							1.0
GGNV	HE	63	186	AML		757	40.26			884	0.1				
MESJ	HZ	176	155	EP		757	47.15	0.11							0.9
MESJ	HE	176	155	ES		758	5.59	0.09							0.9
MESJ	HN	176	155	AML		758	9.20			59	0.2				
MORF	HZ	222	170	EP		757	52.68	-0.09							0.9
MORF	HN	222	170	ES		758	15.36	-0.04							0.9
MORF	HN	222	170	AML		758	17.71			38	0.2				

**August 18 2010 Hour: 10:44 23.9 Lat: 35.94N Lon: 7.52W Depth: 17F Agency: IGL Regional  
 Magnitudes: 1.6ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	182	327	EP		1044	50.41	0.01							1.0
MORF	HN	182	327	ES		1045	9.71	-0.01							1.0
MORF	HE	182	327	AML		1045	10.88			6	0.2				

**August 18 2010 Hour: 16:28 15.1 Lat: 12.22N Lon: 141.51E Depth: 10F Agency: IGL Distant  
 Magnitudes: 6.1MS IGL Rms: 0.3 secs**

**MARIANA ISLANDS REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13623	333	333	EPP		1648	46.37	-0.13							1.0
GGNV	BE13623	333	333	AMS		1742	9.53			3938	23.8				
MESJ	BZ13656	332	332	EP		1647	11.38	0.45							1.0
MESJ	BZ13656	332	332	EPP		1648	48.50	-0.02							1.0
MESJ	BZ13656	332	332	AMS		1746	54.94			4705	19.3				
MORF	BZ13726	332	332	EPP		1648	52.55	-0.30							1.0
MORF	BZ13726	332	332	AMS		1747	23.08			4895	17.7				

**August 19 2010 Hour: 5:19 49.6 Lat: 36.80N Lon: 8.54W Depth: 11F Agency: IGL Regional  
 Magnitudes: 1.4ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	57	350	EP		519	58.99	-0.03							1.0
MORF	HN	57	350	ES		520	5.90	0.03							1.0
MORF	HN	57	350	AML		520	6.65			20	0.2				

**August 20 2010 Hour: 8:47 35.4 Lat: 6.55S Lon: 153.94E Depth: 86F Agency: IGL Distant  
 Magnitudes: 5.1MS IGL Rms: 0.1 secs**

**NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16128	335	335	EP		9 7	1.56	-0.09							1.0
MESJ	BN16128	335	335	AMS		1019	33.55			282	21.7				
MORF	BZ16199	335	335	EP		9 7	3.06	0.09							1.0
MORF	BZ16199	335	335	AMS		1016	40.51			378	21.5				

**August 20 2010 Hour: 17:56 18.6 Lat: 6.56S Lon: 154.09E Depth: 51F Agency: IGL Distant  
 Magnitudes: 6.2MS IGL Rms: 0.1 secs**

**BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16094	337	337	EP		1815	48.09	0.13							1.0
GGNV	BE16094	337	337	AMS		1924	7.89			6122	20.5				
MESJ	BZ16136	335	335	EP		1815	49.26	-0.01							1.0
MESJ	BZ16136	335	335	AMS		1929	47.16			2759	18.5				
MORF	BZ16207	335	335	EP		1815	50.44	-0.12							1.0
MORF	BZ16207	335	335	AMS		1924	26.86			3769	15.8				

**August 20 2010 Hour: 19:41 50.9 Lat: 36.50N Lon: 7.20W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	157	305	ES		1942	29.58	0.09							1.0
MORF	HN	157	305	AML		1942	30.03			5	0.1				
MESJ	HZ	174	329	EP		1942	15.11	-0.15							1.0
MESJ	HE	174	329	ES		1942	33.12	0.07							1.0
MESJ	HN	174	329	AML		1942	33.99			3	0.1				

**August 21 2010 Hour: 1:1 2.2 Lat: 36.77N Lon: 12.37W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.4 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	336	79	EP		1 1	48.94	-0.44							1.0
MESJ	HZ	386	71	EP		1 1	55.49	-0.12							1.0
MESJ	HE	386	71	ES		1 2	35.21	0.58							1.0
MESJ	HN	386	71	AML		1 2	36.81			3	0.3				

**August 21 2010 Hour: 5:42 55.3 Lat: 2.25N Lon: 96.77E Depth: 34F Agency: IGL Distant**  
**Magnitudes: 5.6MS IGL Rms: 0.0 secs**

**SIMEULUE, INDONESIA Met: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11179	309	EP			556	38.41	-0.09							1.0
MESJ	BZ11179	309	EPP			6 0	45.17	0.00							1.0
MESJ	BN11179	309	ESS			615	9.57	0.02							1.0
MESJ	BZ11179	309	AMS			645	2.95			2480	21.0				
MORF	BZ11228	308	EP			556	40.54	0.04							1.0
MORF	BZ11228	308	EPP			6 0	48.57	0.03							1.0
MORF	BZ11228	308	AMS			644	19.05			2097	26.7				

**August 21 2010 Hour: 17:42 11.5 Lat: 36.85N Lon: 8.87W Depth: 29F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.2 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	54	21	EP		1742	20.76	-0.17							1.0
MORF	HE	54	21	ES		1742	28.03	0.21							1.0
MORF	HN	54	21	AML		1742	28.58			44	0.2				
MESJ	HZ	124	27	EP		1742	29.55	-0.22							1.0
MESJ	HE	124	27	ES		1742	43.30	0.18							1.0
MESJ	HN	124	27	AML		1742	44.42			9	0.2				

**August 21 2010 Hour: 21:6 47.5 Lat: 36.51N Lon: 11.42W Depth: 26F 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	HN	262	69	ES		21 7	49.16	-0.03							1.0
MORF	HE	262	69	AML		21 7	49.97			2	0.0				
MESJ	HZ	320	62	EP		21 7	30.45	0.12							1.0
MESJ	HE	320	62	ES		21 8	1.52	-0.09							1.0
MESJ	HE	320	62	AML		21 8	3.99			1	0.1				

**August 22 2010 Hour: 1:15 52.1 Lat: 37.88N Lon: 9.45W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.0 secs**

**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	95	132	EP		116	7.40	0.01							1.0
MORF	HN	95	132	ES		116	18.58	-0.01							1.0
MORF	HE	95	132	AML		116	19.72			4	0.2				
MESJ	HZ	108	92	EP		116	9.48	-0.05							1.0
MESJ	HE	108	92	ES		116	22.34	0.05							1.0
MESJ	HN	108	92	AML		116	23.37			3	0.1				

**August 22 2010 Hour: 2:58 7.9 Lat: 36.41N Lon: 9.68W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	135	42	EP		258	28.70	-0.06							1.0
MORF	HE	135	42	ES		258	44.16	0.21							1.0
MORF	HN	135	42	AML		258	44.65			33	0.2				
MESJ	HN	205	39	ES		258	58.78	-0.08							1.0
MESJ	HN	205	39	AML		259	0.40			6	0.3				
MESJ	HZ	205	39	EP		258	37.29	-0.08							1.0

**August 22 2010 Hour: 5: 0 36.1 Lat: 37.30N Lon: 8.51W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL Rms: 0.1 secs**  
**SE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	273	EP		5	0	38.83	-0.08						1.0
MORF	HN	13	273	ES		5	0	41.08	0.08						1.0
MORF	HN	13	273	AML		5	0	41.72			24	0.1			

**August 22 2010 Hour: 8: 6 30.3 Lat: 21.14S Lon: 67.25W Depth:127FAgency: IGL Distant**  
**Magnitudes: 4.8MB IGL Rms: 0.1 secs**  
**POTOSI, BOLIVIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8982	43	EP		818	29.67	0.12							1.0
MESJ	BZ	8982	43	AMb		818	30.65			56	2.5				

**August 22 2010 Hour: 9:33 9.9 Lat: 19.46N Lon: 147.36E Depth: 49F Agency: IGL Distant**  
**Magnitudes: 4.8MB IGL Rms: 0.1 secs**  
**MARIANA ISLANDS REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13192	338	EPP			953	9.81	0.13							1.0
MORF	BZ13262	338	EPP			953	13.94	-0.13							1.0

**August 22 2010 Hour: 10:23 1.1 Lat: 37.42N Lon: 20.21E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 4.9MB IGL Rms: 0.2 secs**  
**IONIAN SEA Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2500	280	EP		1028	0.76	0.09							1.0
MESJ	BZ	2500	280	AMb		1028	9.33			76	1.6				
MESJ	BE	2500	280	ES		1032	8.38	-0.44							1.0
MORF	BZ	2547	279	EP		1028	5.26	0.12							1.0
MORF	BZ	2547	279	AMb		1028	12.32			88	1.7				
GGNV	BZ	2570	282	EP		1028	7.48	0.26							1.0
GGNV	BZ	2570	282	AMb		1028	14.30			84	1.4				
GGNV	BN	2570	282	ES		1032	19.49	-0.03							1.0

**August 22 2010 Hour: 10:44 39.6 Lat: 36.54N Lon: 7.72W 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	119	316	EP		1044	57.78	-0.22							1.0
MORF	HN	119	316	ES		1045	11.62	0.17							1.0
MORF	HE	119	316	AML		1045	12.41			38	0.2				
MESJ	HZ	151	343	EP		1045	1.95	-0.01							1.0
MESJ	HE	151	343	ES		1045	18.35	0.06							1.0
MESJ	HN	151	343	AML		1045	22.27			16	0.2				



**August 22 2010 Hour: 20:20 31.0 Lat: 6.49S Lon: 154.18E Depth: 84F Agency: IGL Distant**  
**Magnitudes: 5.0MS IGL 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	BZ16134	335	EP			2039	57.60	0.00							1.0
MESJ	BZ16134	335	AMS			2152	25.58			163	12.3				
MORF	BZ16204	335	EP			2039	58.83	0.00							1.0

**August 23 2010 Hour: 1: 8 10.5 Lat: 12.81N Lon: 143.59E Depth: 122F Agency: IGL Distant**  
**Magnitudes: 4.5MS IGL Rms: 0.1 secs**  
**GUAM REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13702	333	EP			126	52.47	0.15							1.0
MESJ	BZ13702	333	AMS			223	37.64			146	28.1				

**August 23 2010 Hour: 1:35 24.8 Lat: 38.47N Lon: 7.88W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.1 secs**  
**SE EVORA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	76	203	EP		135	36.91	-0.08							1.0
MESJ	HE	76	203	ES		135	45.98	0.08							1.0
MESJ	HE	76	203	AML		135	46.17			5	0.2				

**August 23 2010 Hour: 19:45 29.1 Lat: 36.38N Lon: 6.11W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	248	311	EP		1946	3.33	0.04							1.0
MESJ	HN	248	311	ES		1946	28.24	-0.04							1.0
MESJ	HN	248	311	AML		1946	29.55			4	0.2				
MORF	HE	249	295	ES		1946	28.57	0.01							1.0
MORF	HN	249	295	AML		1946	29.58			6	0.2				

**August 23 2010 Hour: 22:35 31.7 Lat: 37.31N Lon: 8.57W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 0.6ML IGL Rms: 0.1 secs**  
**SW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	267	EP		2235	33.69	-0.09							1.0
MORF	HE	7	267	ES		2235	35.37	0.09							1.0
MORF	HN	7	267	AML		2235	35.87			34	0.1				

**August 24 2010 Hour: 0:48 58.3 Lat: 38.30N Lon: 8.82W Depth: 17F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.2 secs**  
**NW MELIDES, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	73	134	EP		049	10.09	-0.09							1.0
MESJ	HE	73	134	ES		049	19.16	0.33							1.0
MESJ	HE	73	134	AML		049	20.49			2	0.2				
MORF	HE	111	172	ES		049	28.51	-0.25							1.0
MORF	HE	111	172	AML		049	29.03			4	0.1				

**August 24 2010 Hour: 2:11 59.9 Lat: 18.87N Lon: 107.33W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.4MS IGL Rms: 0.2 secs**  
**OFF COAST OF JALISCO, MEXICO Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9410	51	EP		224	33.32	-0.19							1.0
GGNV	BE	9410	51	ES		234	56.62	0.24							1.0
GGNV	BZ	9410	51	AMS		3	59.94			2237	22.9				
MORF	BZ	9504	52	EP		224	37.60	-0.27							1.0
MORF	BE	9504	52	ES		235	2.28	0.31							1.0
MORF	BZ	9504	52	AMS		3	5	42.22		1223	18.8				
MESJ	BZ	9520	52	EP		224	38.22	-0.28							1.0
MESJ	BE	9520	52	ES		235	2.94	0.19							1.0

MESJ BZ 9520 52 AMS 3 3 46.39 1670 21.0

**August 24 2010 Hour: 6:11 35.1 Lat: 37.32N Lon: 8.52W Depth: 13F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.0 secs**

**E MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	263	EP		611	37.93	-0.02							1.0
MORF	HN	12	263	ES		611	40.06	0.02							1.0
MORF	HN	12	263	AML		611	40.68			19	0.1				

**August 24 2010 Hour: 6:7 57.7 Lat: 6.06S Lon: 133.52E Depth: 45F Agency: IGL Distant  
Rms: 0.3 secs**

**KEPULAUAN ARU REGION, INDONESIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14808	318	EPP			629	34.09	-0.29							1.0

**August 24 2010 Hour: 17:45 37.1 Lat: 36.77N Lon: 8.23W Depth: 27F Agency: IGL Regional  
Magnitudes: 2.3ML IGL Rms: 0.2 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	70	328	EP		1745	48.46	-0.23							1.0
MORF	HE	70	328	ES		1745	57.35	0.22							1.0
MORF	HE	70	328	AML		1745	58.27			179	0.3				
MESJ	HZ	119	0	EP		1745	54.81	-0.08							1.0
MESJ	HE	119	0	ES		1746	7.94	0.09							1.0
MESJ	HE	119	0	AML		1746	9.14			36	0.2				

**August 24 2010 Hour: 19:8 43.5 Lat: 36.76N Lon: 8.25W 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	70	330	EP		19 8	54.98	-0.11							1.0
MORF	HE	70	330	ES		19 9	3.63	0.08							1.0
MORF	HN	70	330	AML		19 9	4.13			8	0.3				
MESJ	HZ	120	1	EP		19 9	1.41	0.08							1.0
MESJ	HE	120	1	ES		19 9	14.30	-0.05							1.0
MESJ	HE	120	1	AML		19 9	15.24			2	0.2				

**August 25 2010 Hour: 1:48 23.3 Lat: 36.78N Lon: 8.23W Depth: 22F Agency: IGL Regional  
Magnitudes: 2.2ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	69	327	EP		148	34.74	0.08							1.0
MORF	HN	69	327	ES		148	43.10	0.12							1.0
MORF	HN	69	327	AML		148	43.99			198	0.2				
MESJ	HZ	118	0	EP		148	41.06	-0.17							1.0
MESJ	HE	118	0	ES		148	54.30	-0.05							1.0
MESJ	HE	118	0	AML		148	55.16			21	0.2				

**August 25 2010 Hour: 2:35 2.6 Lat: 21.17S Lon: 68.91W Depth: 122F Agency: IGL Distant  
Magnitudes: 4.7MB 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
MESJ	BZ	9104	44	EP		247	8.30	0.12							1.0
MESJ	BZ	9104	44	AMB		247	15.20			24	1.5				

**August 25 2010 Hour: 8:29 4.2 Lat: 36.39N Lon: 6.20W Depth: 0 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	241	312	EP		829	39.72	0.15							1.0
MORF	HZ	241	296	EP		829	39.47	-0.15							1.0

**August 25 2010 Hour: 8:55 54.6 Lat: 0.84S Lon: 124.50E Depth: 40F Agency: IGL Distant**  
**Magnitudes: 4.7MS IGL Rms: 0.2 secs**

**MOLUCCA SEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13702	316	316	EP		914	46.31	-0.20							1.0
MESJ	BN13702	316	316	AMS		1013	53.80			116	20.6				
MORF	BZ13764	316	316	EP		914	47.83	0.20							1.0
MORF	BN13764	316	316	AMS		1013	42.07			270	23.3				

**August 25 2010 Hour: 15:16 14.9 Lat: 37.05N Lon: 14.62W Depth: 50F Agency: IGL Regional**  
**Magnitudes: 4.0ML IGL Rms: 0.2 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	516	67	EP		1517	20.46	0.01							1.0
GGNV	HN	516	67	ES		1518	8.19	-0.13							1.0
GGNV	HN	516	67	AML		1518	10.36			554	0.0				
MORF	HZ	531	85	EP		1517	22.61	0.26							1.0
MORF	HN	531	85	ES		1518	11.39	-0.21							1.0
MORF	HN	531	85	AML		1518	13.11			290	0.0				
MESJ	HZ	573	79	EP		1517	27.57	0.18							1.0
MESJ	HN	573	79	ES		1518	20.22	-0.10							1.0
MESJ	HN	573	79	AML		1518	22.41			77	0.2				

**August 26 2010 Hour: 10: 6 45.9 Lat: 35.69N Lon: 4.69W Depth: 4F Agency: IGL Regional**  
**Magnitudes: 2.4ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	395	308	EP		10 7	40.08	0.07							1.0
MESJ	HN	395	308	ES		10 8	19.69	0.15							1.0
MESJ	HN	395	308	AML		10 8	23.24			12	0.3				
MORF	HZ	398	298	EP		10 7	40.32	-0.02							1.0
MORF	HE	398	298	ES		10 8	19.90	-0.20							1.0
MORF	HE	398	298	AML		10 8	23.37			9					

**August 26 2010 Hour: 17:43 34.6 Lat: 36.64N Lon: 9.72W Depth: 13F 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	121	52	EP		1743	53.69	0.12							1.0
MORF	HN	121	52	ES		1744	7.33	-0.08							1.0
MORF	HN	121	52	AML		1744	8.22			23	0.2				
MESJ	HZ	188	45	EP		1744	2.10	-0.04							1.0
MESJ	HN	188	45	ES		1744	22.23	0.00							1.0
MESJ	HN	188	45	AML		1744	23.69			4					

**August 26 2010 Hour: 20:43 51.0 Lat: 36.99N Lon: 5.44W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.0 secs**

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	264	292	EP		2044	28.12	0.04							1.0

**August 27 2010 Hour: 3:59 2.5 Lat: 37.30N Lon: 8.57W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.1 secs**

**SW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	276	EP		359	4.46	-0.12							1.0
MORF	HN	7	276	ES		359	6.15	0.07							1.0
MORF	HN	7	276	AML		359	6.39			29	0.1				
MESJ	HZ	67	27	EP		359	13.56	0.05							1.0

**August 27 2010 Hour: 4:40 57.6 Lat: 7.47S Lon: 75.09W Depth:134F Agency: IGL Distant**  
**Magnitudes: 4.8MB IGL Rms: 0.2 secs**  
**NORTHERN PERU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8485	49	EP		452	31.77	0.23							1.0
MORF	BZ	8485	49	AMb		452	34.78			73	1.6				
MESJ	BZ	8541	48	EP		452	34.21	-0.13							1.0
MESJ	BZ	8541	48	AMb		452	36.49			26	2.2				
MESJ	BE	8541	48	ES		5 2	10.89	-0.09							1.0

**August 27 2010 Hour: 19:23 48.1 Lat: 35.49N Lon: 54.55E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.4MB IGL Rms: 0.1 secs**  
**NORTHERN IRAN Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5511	292	EP		1932	39.04	-0.10							1.0
MESJ	BZ	5511	292	AMb		1932	44.03			47	1.7				
MESJ	BN	5511	292	ES		1939	47.92	-0.03							1.0
GGNV	BZ	5559	294	EP		1932	42.46	0.04							1.0
GGNV	BZ	5559	294	AMb		1932	48.37			297	1.8				
GGNV	BN	5559	294	ES		1939	54.16	0.19							1.0
MORF	BZ	5565	292	EP		1932	42.97	0.04							1.0
MORF	BZ	5565	292	AMb		1932	47.28			67	1.3				
MORF	BN	5565	292	ES		1939	54.76	-0.13							1.0

**August 27 2010 Hour: 21:24 30.0 Lat: 35.27N Lon: 12.61W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.1 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	421	56	EP		2125	27.71	-0.08							1.0
MORF	HN	421	56	ES		2126	10.00	-0.01							1.0
MORF	HN	421	56	AML		2126	12.33			8	0.3				
MESJ	HZ	485	53	EP		2125	35.61	0.04							1.0
MESJ	HE	485	53	ES		2126	23.51	0.06							1.0
MESJ	HN	485	53	AML		2126	25.70			2	0.3				

**August 27 2010 Hour: 21:51 55.6 Lat: 39.05N Lon: 12.02W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 3.1ML IGL Rms: 0.4 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HE	252	98	ES		2152	57.32	0.27							1.0
GGNV	HE	252	98	AML		2152	59.96			91	0.1				
MORF	HZ	353	122	EP		2152	43.44	-0.29							1.0
MORF	HE	353	122	ES		2153	18.19	-0.66							1.0
MORF	HE	353	122	AML		2153	18.38			88	0.2				
MESJ	HZ	358	111	EP		2152	44.79	0.47							0.9
MESJ	HE	358	111	ES		2153	20.04	0.18							0.9
MESJ	HE	358	111	AML		2153	22.20			51	0.2				

**August 28 2010 Hour: 0:40 18.0 Lat: 36.90N Lon: 4.53W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 3.1ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	343	289	EP		041	4.56	0.11							1.0

**August 28 2010 Hour: 13:33 7.1 Lat: 35.58N Lon: 4.64W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.4ML 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	309	EP		1334	2.66	-0.35							1.0
MESJ	HN	407	309	ES		1334	43.97	0.11							1.0
MESJ	HN	407	309	AML		1334	45.92			13	0.1				
MORF	HE	408	299	ES		1334	44.38	0.25							1.0
MORF	HE	408	299	AML		1334	45.00			7	0.4				

**August 28 2010 Hour: 14:17 50.5 Lat: 36.48N Lon: 13.44W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	487	70	EP		1418	56.20	-0.04							1.0
MESJ	HE	487	70	ES		1419	44.30	0.04							1.0
MESJ	HE	487	70	AML		1419	47.34				3				

**August 29 2010 Hour: 1: 0 30.4 Lat: 38.21N Lon: 8.25W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.1 secs**  
**NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	41	176	EP		1 0	37.28	0.07							1.0
MESJ	HE	41	176	ES		1 0	42.09	-0.07							1.0
MESJ	HE	41	176	AML		1 0	42.62				5	0.2			

**August 29 2010 Hour: 15: 7 50.1 Lat: 36.61N Lon: 9.83W Depth: 9F 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	130	53	EP		15 8	10.70	0.02							1.0
MORF	HN	130	53	ES		15 8	25.73	0.00							1.0
MORF	HN	130	53	AML		15 8	25.95				13	0.2			
MESJ	HZ	198	46	EP		15 8	19.11	-0.04							1.0
MESJ	HE	198	46	ES		15 8	40.39	0.01							1.0
MESJ	HE	198	46	AML		15 8	41.30				6	0.1			

**August 30 2010 Hour: 2:58 26.6 Lat: 36.96N Lon: 4.27W Depth: 59F Agency: IGL Regional**  
**Magnitudes: 2.0ML 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	363	287	EP		259	13.93	-0.05							1.0
MESJ	HE	363	287	ES		259	48.62	0.05							1.0
MESJ	HN	363	287	AML		259	50.89				5	0.5			

**August 30 2010 Hour: 4:42 56.5 Lat: 36.88N Lon: 8.54W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 0.4ML IGL Rms: 0.2 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	48	348	EP		443	4.50	-0.15							1.0
MORF	HN	48	348	ES		443	10.76	0.15							1.0
MORF	HN	48	348	AML		443	11.93				3	0.2			

**August 30 2010 Hour: 12:17 44.6 Lat: 36.22N Lon: 8.49W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 2.3ML IGL Rms: 0.2 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	353	EP		1218	3.53	-0.20							1.0
MORF	HE	121	353	ES		1218	17.94	0.23							1.0
MORF	HE	121	353	AML		1218	18.66				76	0.2			
MESJ	HZ	181	8	EP		1218	11.51	0.06							1.0
MESJ	HN	181	8	ES		1218	30.96	-0.09							1.0
MESJ	HE	181	8	AML		1218	32.23				24	0.1			

**August 30 2010 Hour: 12:57 45.4 Lat: 58.19N Lon: 32.18W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.0MB IGL Rms: 0.2 secs**  
**REYKJANES RIDGE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2725	133	EP		13 3	4.70	-0.15							1.0
GGNV	BZ	2725	133	AMb		13 3	9.94				89	1.6			
MESJ	BZ	2850	132	EP		13 3	14.99	-0.10							1.0
MESJ	BZ	2850	132	AMb		13 3	21.72				52	1.4			
MORF	BZ	2883	133	EP		13 3	17.68	-0.14							1.0

MORF BZ 2883 133 AMb 13 3 22.12 47 1.6  
MORF BN 2883 133 ES 13 7 49.53 0.40 1.0

**August 30 2010 Hour: 18:19 34.3 Lat: 36.77N Lon: 9.43W Depth: 25F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	91	49	EP		1819	48.73	-0.02							1.0
MORF	HN	91	49	ES		1819	59.34	0.02							1.0
MORF	HN	91	49	AML		1819	59.50			4	0.2				

**August 31 2010 Hour: 3:24 2.6 Lat: 38.48N Lon: 9.85W Depth: 27F Agency: IGL Regional**  
**Magnitudes: 1.7ML 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
GGNV	HZ	67	67	EP		324	13.75	0.19							1.0
GGNV	HE	67	67	ES		324	21.40	-0.18							1.0
GGNV	HE	67	67	AML		324	23.36			80	0.2				
MESJ	HZ	160	116	EP		324	25.39	-0.02							1.0
MESJ	HN	160	116	ES		324	42.13	0.05							1.0
MESJ	HN	160	116	AML		324	43.30			4	0.1				
MORF	HE	168	141	ES		324	43.83	-0.03							1.0
MORF	HE	168	141	AML		324	44.07			6	0.1				

**August 31 2010 Hour: 6:36 25.5 Lat: 38.47N Lon: 7.73W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.2 secs**

**NW REGUENGOS DE MONSARAZ, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HE	82	212	ES		636	48.34	0.17							1.0
MESJ	HN	82	212	AML		636	49.10			8	0.2				
MESJ	HZ	82	212	EP		636	38.42	-0.17							1.0