

Seismological Bulletin

from the

IGIDL Seismic Network

March to April

2011

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STATIONS USED

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

Lisboa (IGIDL)
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Almeirim (Fazendas)
ALMR

Latitude	39.1554N
Longitude	8.5768W
Height	165m

Marmelete (Picos)
MORF

Latitude	37.3063N
Longitude	8.6508W
Height	650m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

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

Latitude	38.5280N
Longitude	8.12360W
Height	100m

March 1 2011 Hour: 6:21 37.1 Lat: 37.20N Lon: 4.23W Depth: 1 Agency: IGL Regional
Magnitudes: 3.1ML 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	359	283	EP		622	27.13	0.08							1.0
MESJ	HN	359	283	ES		623	3.48	-0.03							1.0
MESJ	HN	359	283	AML		623	7.56			23	0.3				
ALMR	SN	438	301	ES		623	20.24	-0.06							1.0
ALMR	SN	438	301	AML		623	22.95			99	0.4				

March 1 2011 Hour: 10:26 26.9 Lat: 35.10N Lon: 4.69W Depth: 77F Agency: IGL Regional
Magnitudes: 3.0ML 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	439	315	EP		1027	23.44	0.19							1.0
MESJ	HN	439	315	ES		1028	4.19	-0.19							1.0
MESJ	HN	439	315	AML		1028	5.56			33	0.2				

March 1 2011 Hour: 18:22 45.5 Lat: 36.58N Lon: 7.51W Depth: 17F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	153	336	EP		1823	8.41	0.06							1.0
MESJ	HN	153	336	ES		1823	24.97	-0.06							1.0
MESJ	HN	153	336	AML		1823	25.61			4	0.2				

March 1 2011 Hour: 22:58 27.2 Lat: 37.70N Lon: 8.39W Depth: 22F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs
NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	22	44	EP		2258	32.19	0.15							1.0
MESJ	HE	22	44	ES		2258	35.44	-0.15							1.0
MESJ	HN	22	44	AML		2258	35.84			15	0.0				

March 2 2011 Hour: 1:18 7.3 Lat: 36.64N Lon: 9.42W Depth: 25F Agency: IGL Regional
Magnitudes: 0.6ML 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
MESJ	HZ	170	38	EP		118	31.82	0.16							1.0

March 2 2011 Hour: 3:20 25.2 Lat: 38.12N Lon: 9.08W Depth: 1F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.2 secs
NW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	82	112	EP		320	38.52	0.15							1.0
MESJ	HE	82	112	ES		320	47.84	-0.15							1.0
MESJ	HE	82	112	AML		320	49.66			2	0.3				

March 2 2011 Hour: 10:15 22.4 Lat: 37.66N Lon: 8.34W Depth: 15F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs
W OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	23	28	EP		1015	26.71	-0.04							1.0
MESJ	HN	23	28	ES		1015	29.96	0.04							1.0
MESJ	HN	23	28	AML		1015	30.25			47	0.1				

March 2 2011 Hour: 18:50 48.7 Lat: 8.56N Lon: 76.90W Depth: 40F Agency: IGL Distant
Magnitudes: 5.3MS IGL Rms: 0.1 secs
NEAR NORTH COAST OF COLOMBIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7567	53	EP		19	1	43.88	0.07						1.0
MESJ	BN	7567	53	ES		1910	40.66	-0.07							1.0
MESJ	BZ	7567	53	AMS		1926	52.44			2255	22.6				

March 2 2011 Hour: 19: 6 5.9 Lat: 36.69N Lon: 9.70W Depth: 18F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 183 45 EP 19 6 32.25-0.10 1.0
 MESJ HN 183 45 ES 19 6 51.75 0.10 1.0
 MESJ HN 183 45 AML 19 6 53.19 3 0.2

March 2 2011 Hour: 21:52 31.5 Lat: 37.16N Lon: 7.25W Depth: 5F 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
 MESJ HZ 114 312 EP 2152 50.01 0.11 1.0
 MESJ HN 114 312 ES 2153 3.20-0.11 1.0
 MESJ HE 114 312 AML 2153 4.94 2 0.3

March 3 2011 Hour: 8:13 6.1 Lat: 36.36N Lon: 10.47W Depth: 3F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 259 50 EP 813 43.27-0.08 1.0
 MESJ HE 259 50 ES 814 10.67 0.08 1.0
 MESJ HN 259 50 AML 814 11.33 6 0.2

March 3 2011 Hour: 15:58 8.3 Lat: 36.60N Lon: 7.42W Depth: 28F Agency: IGL Regional
Magnitudes: 2.3ML 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 135 306 EP 1558 27.91-0.13 1.0
 MORF HN 135 306 ES 1558 42.56 0.13 1.0
 MORF HN 135 306 AML 1558 43.22 43 0.2

March 3 2011 Hour: 23:47 48.8 Lat: 37.33N Lon: 8.54W Depth: 9F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs
NE MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 10 255 EP 2347 50.97-0.09 1.0
 MORF HN 10 255 ES 2347 52.80 0.09 1.0
 MORF HE 10 255 AML 2347 53.41 92 0.2

March 4 2011 Hour: 4: 7 49.0 Lat: 8.93S Lon: 157.34E Depth: 13F Agency: IGL Distant
Magnitudes: 0.1ML 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
 GGNV BZ16469 340 EP 427 30.33 0.07 1.0
 MORF BZ16589 338 EP 427 32.02-0.07 1.0

March 4 2011 Hour: 5:47 56.4 Lat: 36.83N Lon: 7.37W Depth: 27F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 126 295 EP 548 14.97-0.09 1.0
 MORF HE 126 295 ES 548 28.75 0.09 1.0
 MORF HE 126 295 AML 548 29.57 3 0.2

March 4 2011 Hour: 19: 0 51.1 Lat: 36.63N Lon: 11.30W Depth: 31F Agency: IGL Regional
Magnitudes: 1.6ML 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 248 72 EP 19 1 24.64 0.04 1.0
 MORF HN 248 72 ES 19 1 49.03-0.04 1.0
 MORF HN 248 72 AML 19 1 49.97 4 0.2

March 6 2011 Hour: 7:17 30.8 Lat: 36.50N Lon: 7.71W Depth: 13F Agency: IGL Regional
Magnitudes: 3.1ML 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
ALMR	SZ	304	346	EP		718	12.78	0.01							1.0
ALMR	SN	304	346	ES		718	43.38	-0.01							1.0
ALMR	SN	304	346	AML		718	45.92			78	0.5				

March 6 2011 Hour: 12:31 57.7 Lat: 18.11S Lon: 69.39W Depth: 101F Agency: IGL Distant
Magnitudes: 5.9MB IGL Rms: 0.1 secs
TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8882	44	EP		1243	55.18	0.07							1.0
GGNV	BZ	8882	44	AMb		1243	58.30			211	0.9				
GGNV	BN	8882	44	ES		1253	50.22	-0.27							1.0
MESJ	BZ	8898	45	EP		1243	55.98	0.05							1.0
MESJ	BZ	8898	45	AMb		1243	59.27			181	0.7				
MESJ	BN	8898	45	ES		1253	52.05	-0.02							1.0
ALMR	SZ	8951	44	EP		1243	58.57	0.16							1.0

March 6 2011 Hour: 14:32 35.9 Lat: 56.39S Lon: 27.02W Depth: 84F Agency: IGL Distant
Magnitudes: 6.4MS IGL 6.0MB IGL Rms: 0.2 secs
SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10574	15	EP			1445	48.82	0.02							1.0
MESJ	BZ10574	15	AMb			1445	55.66			182	1.9				
MESJ	BE10574	15	ES			1456	17.39	-0.24							1.0
GGNV	BN10655	14	ES			1456	21.69	0.22							1.0
GGNV	BZ10655	14	AMS			1524	53.28			12126	19.1				

March 7 2011 Hour: 0:9 38.8 Lat: 10.33S Lon: 160.74E Depth: 38F Agency: IGL Distant
Magnitudes: 6.5MS IGL Rms: 0.0 secs
SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ16669	343	EP			029	19.11	0.01							1.0
GGNV	BZ16732	344	EP			029	19.96	-0.01							1.0
GGNV	BE16732	344	AMS			144	3.86			9881	23.1				

March 9 2011 Hour: 2:45 20.1 Lat: 38.42N Lon: 142.84E Depth: 32F Agency: IGL Distant
Magnitudes: 8.0MS 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	BZ11010	338	EP			258	57.36	-0.06							1.0
GGNV	BZ11010	338	EPP			3 2	59.48	-0.20							1.0
GGNV	BN11010	338	ES			3 9	33.32	0.27							1.0
GGNV	BN11010	338	AMS			349	1.80			586000	22.8				

March 9 2011 Hour: 18:16 15.1 Lat: 38.38N Lon: 142.51E Depth: 22F Agency: IGL Distant
Magnitudes: 6.4MS 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	BZ11004	338	EPP			1833	55.67	0.01							1.0
GGNV	BN11004	338	AMS			1919	12.34			13607	21.8				
MESJ	BZ11063	337	EP			1829	56.29	0.23							1.0
MESJ	BZ11063	337	EPP			1833	59.47	-0.24							1.0
MESJ	BZ11063	337	AMS			1919	49.36			10231	21.1				

March 9 2011 Hour: 21:22 18.2 Lat: 38.38N Lon: 142.64E Depth: 23F Agency: IGL Distant
Rms: 0.1 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	BZ11008	338	EP			2135	56.70	-0.06							1.0
GGNV	BZ11008	338	EPP			2139	58.92	0.07							1.0
MESJ	BZ11067	337	EP			2135	59.30	0.16							1.0
MESJ	BZ11067	337	EPP			2140	2.74	-0.18							1.0

March 10 2011 Hour: 4:58 14.1 Lat: 24.80N Lon: 98.01E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.0 secs

MYANMAR-CHINA BORDER REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9671	310	EP		510	59.52	0.02							1.0
MESJ	BE	9671	310	AMS		551	24.44			912	19.3				

March 10 2011 Hour: 17: 8 37.0 Lat: 6.86S Lon: 116.76E Depth: 508F Agency: IGL Distant
Rms: 0.2 secs

BALI SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ13515	312	EP			1726	31.87	-0.14							1.0
ALMR	SZ13515	312	EPP			1728	11.95	-0.09							1.0
MESJ	BZ13530	310	EP			1726	32.69	0.41							1.0
MESJ	BZ13530	310	EPP			1728	13.03	0.05							1.0
GGNV	BZ13578	312	EP			1726	33.08	0.01							1.0
GGNV	BZ13578	312	EPP			1728	15.36	-0.44							1.0
MORF	BZ13584	310	EP			1726	33.57	0.31							1.0
MORF	BZ13584	310	EPP			1728	16.18	-0.10							1.0

March 10 2011 Hour: 18:21 13.9 Lat: 37.47N Lon: 8.76W Depth: 9F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

SW ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	21	152	EP		1821	17.57	0.06							1.0
MORF	HN	21	152	ES		1821	20.24	0.06							1.0
MORF	HN	21	152	AML		1821	20.74			172	0.1				
MESJ	HZ	63	49	EP		1821	24.15	0.05							1.0
MESJ	HN	63	49	ES		1821	31.42	-0.16							1.0
MESJ	HN	63	49	AML		1821	31.69			26	0.2				

March 11 2011 Hour: 0:43 15.2 Lat: 39.39N Lon: 7.64W Depth: 8F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

SE NISA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SN	85	252	ES		043	39.02	0.02							1.0
ALMR	SE	85	252	AML		043	39.98			35	0.3				
ALMR	SZ	85	252	EP		043	28.94	-0.02							1.0

March 11 2011 Hour: 5:46 24.1 Lat: 38.32N Lon: 142.37E Depth: 24F Agency: IGL Distant
Magnitudes: 8.8MS IGL Rms: 0.1 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
ALMR	SZ10941	338	EP			559	59.87	-0.06							1.0
GGNV	BZ11005	338	EP			6 0	2.66	0.19							1.0
GGNV	BE11005	338	AMS			646	18.90			4529000	21.0				
MESJ	BZ11064	337	EP			6 0	4.96	0.13							1.0
MESJ	BE11064	337	ES			610	41.57	-0.09							1.0
MESJ	BZ11064	337	AMS			648	54.44			3132000	23.9				
MORF	BZ11133	337	EP			6 0	7.49	-0.16							1.0
MORF	BE11133	337	AMS			647	30.14			3532000	21.4				

March 11 2011 Hour: 6:25 50.9 Lat: 38.11N Lon: 144.55E Depth: 20F Agency: IGL Distant
Rms: 0.0 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11159	338	EP			639	35.99	-0.03							1.0

March 11 2011 Hour: 8:12 5.0 Lat: 36.61N Lon: 141.56E Depth: 20F Agency: IGL Distant
Rms: 0.0 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
MESJ	BZ11211	336	EP			825	52.16	0.03							1.0

March 11 2011 Hour: 11:36 39.0 Lat: 39.28N Lon: 142.52E Depth: 12F Agency: IGL Distant
Magnitudes: 7.1MS IGL Rms: 0.3 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	BZ10912	338	EP			1150	15.89	0.49							1.0
GGNV	BZ10912	338	EPP			1154	14.78	0.01							1.0
GGNV	BN10912	338	ES			12 0	53.16	0.13							1.0
GGNV	BN10912	338	AMS			1240	15.05		69423	20.7					
MESJ	BZ10971	337	EPP			1154	19.11	0.22							1.0
MESJ	BZ10971	337	AMS			1239	52.30		56212	18.3					
MORF	BZ11040	337	EP			1150	20.48	-0.29							1.0
MORF	BZ11040	337	EPP			1154	23.21	-0.48							1.0
MORF	BE11040	337	ES			12 0	58.91	-0.09							1.0
MORF	BZ11040	337	AMS			1239	41.39		52006	18.6					

March 11 2011 Hour: 19:46 49.4 Lat: 40.47N Lon: 139.07E Depth: 10F Agency: IGL Distant
Rms: 0.4 secs

NEAR WEST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10728	334	EP			20 0	19.19	0.40							1.0

March 11 2011 Hour: 20:26 59.2 Lat: 43.02N Lon: 14.22W Depth: 0 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.5 secs

NORTH ATLANTIC OCEAN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	768	137	EP		2028	38.70	-0.14							1.0
MESJ	HE	768	137	ES		2029	51.68	0.13							1.0
MESJ	HE	768	137	AML		2029	52.90		2	0.9					
MORF	HZ	792	141	EP		2028	41.03	-0.68							1.0
MORF	HN	792	141	ES		2029	57.20	0.69							1.0
MORF	HN	792	141	AML		2030	0.25		5	0.4					

March 11 2011 Hour: 21:57 37.9 Lat: 36.81N Lon: 12.39W Depth: 0 Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	337	79	EP		2158	24.86	-0.37							1.0
MORF	HN	337	79	ES		2159	0.01	0.23							1.0
MORF	HE	337	79	AML		2159	1.38		37	0.1					
MESJ	HZ	387	72	EP		2158	31.26	-0.12							1.0
MESJ	HE	387	72	ES		2159	10.49	0.07							1.0
MESJ	HE	387	72	AML		2159	12.65		10	0.2					
ALMR	SZ	424	51	EP		2158	36.24	0.21							1.0

March 12 2011 Hour: 1:19 7.2 Lat: 16.73S Lon: 173.17W Depth: 11F Agency: IGL Distant
Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17266	29	EP			138	59.55	-0.11							1.0
MORF	BZ17290	31	EP			139	0.12	0.11							1.0

March 12 2011 Hour: 1:47 15.8 Lat: 37.59N Lon: 142.68E Depth: 25F Agency: IGL Distant
Magnitudes: 7.0MS IGL Rms: 0.3 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11092	338	EP			2 0	58.03	0.56							1.0
GGNV	BZ11092	338	EPP			2 5	2.09	0.12							1.0
GGNV	BN11092	338	ES			211	34.34	0.05							1.0
GGNV	BZ11092	338	AMS			252	46.04		50777	23.1					
MESJ	BZ11150	337	EP			2 0	59.67	-0.16							1.0
MESJ	BZ11150	337	EPP			2 5	6.02	0.03							1.0
MESJ	BN11150	337	ES			211	36.41	-0.51							1.0
MESJ	BZ11150	337	AMS			252	31.19		47124	15.5					
MORF	BZ11219	337	EP			2 1	2.58	-0.07							1.0
MORF	BZ11219	337	EPP			2 5	10.86	0.10							1.0
MORF	BN11219	337	ES			211	39.93	-0.12							1.0
MORF	BZ11219	337	AMS			252	56.74		52574	18.3					

March 12 2011 Hour: 2:26 33.3 Lat: 36.39N Lon: 7.01W Depth: 31F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	178	305	EP		226	58.25	0.00							1.0
MESJ	HZ	194	327	EP		227	0.13	0.01							1.0
MESJ	HN	194	327	ES		227	19.67	0.00							1.0
MESJ	HE	194	327	AML		227	21.19			1	0.1				

March 12 2011 Hour: 13:15 42.2 Lat: 37.26N Lon: 141.18E Depth: 37F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.5 secs

NEAR EAST COAST OF HONSHU, JAPAN

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11074	337	EPP			1333	25.98	0.49							1.0
MESJ	BZ11130	336	EP			1329	23.26	-0.36							1.0
MESJ	BZ11130	336	EPP			1333	29.98	0.64							1.0
MESJ	BN11130	336	ESS			1347	51.29	-0.18							1.0
MORF	BZ11200	336	EPP			1333	33.55	-0.58							1.0

March 12 2011 Hour: 14:11 4.7 Lat: 25.40N Lon: 109.65W Depth: 12F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.1 secs

GULF OF CALIFORNIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9248	52	EP		1423	30.66	-0.13							1.0
MORF	BZ	9248	52	AMb		1423	34.99		35	2.1					
MESJ	BZ	9255	51	EP		1423	31.21	0.13							1.0
MESJ	BZ	9255	51	AMb		1423	38.33		72	1.5					

March 12 2011 Hour: 16: 0 56.1 Lat: 37.83N Lon: 1.79W Depth: 6F Agency: IGL Regional
Magnitudes: 2.3ML 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	566	272	EP		16 2	10.79	-0.05							1.0
MESJ	HN	566	272	ES		16 3	5.50	0.10							1.0
MESJ	HN	566	272	AML		16 3	9.02		5	0.1					
MORF	HZ	609	267	EP		16 2	16.01	-0.05							1.0

March 12 2011 Hour: 22:12 45.8 Lat: 37.66N Lon: 141.96E Depth: 14F Agency: IGL Distant
Magnitudes: 5.2MB 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	BZ11060	337	EPP			2230	31.35	0.01							1.0
MESJ	BZ11117	336	EP			2226	30.85	0.67							0.5
MESJ	BZ11117	336	EPP			2230	35.22	-0.07							1.0
MORF	BZ11187	337	EP			2226	32.93	-0.08							1.0
MORF	BZ11187	337	EPP			2230	40.04	-0.04							1.0

March 13 2011 Hour: 1:26 7.0 Lat: 35.74N Lon: 141.73E Depth: 24F Agency: IGL Distant 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	BZ11250	337	EPP			144	4.07	0.12							1.0
MESJ	BZ11305	336	EP			139	56.93	-0.34							1.0
MORF	BZ11375	336	EP			140	0.39	0.28							1.0
MORF	BZ11375	336	EPP			144	12.44	-0.07							1.0

March 13 2011 Hour: 2: 9 34.3 Lat: 36.50N Lon: 7.88W Depth: 34F Agency: IGL Regional Magnitudes: 2.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	323	EP		2 9	50.83	-0.25							1.0
MORF	HN	113	323	ES		210	3.51	0.17							1.0
MORF	HN	113	323	AML		210	4.15			34	0.2				
MESJ	HZ	152	349	EP		2 9	55.95	0.07							1.0
MESJ	HN	152	349	ES		210	11.53	-0.11							1.0
MESJ	HN	152	349	AML		210	12.93			45	0.3				
ALMR	SZ	301	348	EP		210	14.45	0.04							0.9
ALMR	SN	301	348	ES		210	43.81	0.10							0.9
ALMR	SN	301	348	AML		210	45.54			8	0.2				

March 13 2011 Hour: 11: 0 38.6 Lat: 37.84N Lon: 8.35W Depth: 7F Agency: IGL Regional Magnitudes: 0.8ML IGL Rms: 0.0 secs

SW ALJUSTREL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	11	90	EP		11 0	40.81	-0.02							1.0
MESJ	HN	11	90	ES		11 0	42.45	0.02							1.0
MESJ	HN	11	90	AML		11 0	43.02			49	0.2				
MORF	HZ	65	204	EP		11 0	49.19	0.00							1.0

March 13 2011 Hour: 13:20 40.1 Lat: 42.94N Lon: 8.53W Depth: 6F Agency: IGL Regional 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	567	177	EP		1321	55.10	0.15							1.0
MORF	HZ	625	181	EP		1322	1.93	-0.16							1.0

March 14 2011 Hour: 4:22 25.7 Lat: 36.26N Lon: 9.76W Depth: 1 Agency: IGL Regional Magnitudes: 1.6ML 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	153	40	EP		422	49.91	-0.04							1.0
MORF	HE	153	40	ES		423	7.35	-0.33							1.0
MORF	HE	153	40	AML		423	7.62			7	0.2				
MESJ	HZ	222	38	EP		422	58.67	0.08							1.0
MESJ	HN	222	38	ES		423	22.95	0.31							1.0
MESJ	HN	222	38	AML		423	24.19			6	0.3				

March 14 2011 Hour: 6:12 35.7 Lat: 37.77N Lon: 142.52E Depth: 15F Agency: IGL Distant Rms: 0.3 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11067	338	EP			626	17.58	-0.39							1.0
GGNV	BZ11067	338	EPP			630	21.50	-0.16							1.0
GGNV	BZ11067	338	AMS			715	52.61			20185	21.7				
MESJ	BZ11125	337	EP			626	20.40	0.08							1.0
MESJ	BZ11125	337	EPP			630	26.18	0.51							1.0
MESJ	BZ11125	337	AMS			717	41.71			13601	17.4				
MORF	BZ11195	337	EP			626	23.22	0.08							1.0
MORF	BZ11195	337	EPP			630	30.35	-0.10							1.0
MORF	BZ11195	337	AMS			718	12.50			15232	23.9				

March 15 2011 Hour: 3:23 33.5 Lat: 35.68N Lon: 8.86W Depth: 28F 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	181	6	EP		323	59.04	-0.01							1.0
MORF	HE	181	6	ES		324	17.69	0.01							1.0
MORF	HE	181	6	AML		324	18.69			6	0.1				

March 15 2011 Hour: 8:49 53.8 Lat: 42.04N Lon: 7.23W Depth: 11F Agency: IGL Regional
Magnitudes: 2.3ML 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	473	191	EP		850	56.81	0.03							1.0
MESJ	HN	473	191	ES		851	42.77	0.02							1.0
MESJ	HE	473	191	AML		851	45.93			7	0.2				
MORF	HZ	539	193	EP		851	4.70	-0.05							1.0

March 15 2011 Hour: 9:49 53.9 Lat: 37.35N Lon: 142.41E Depth: 15F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.2 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11107	338	EPP			10	7	42.28	-0.25						1.0
GGNV	BN11107	338	AMS			1051	11.21			4265	13.3				
MESJ	BZ11165	337	EP			10	3	40.32	0.29						1.0
MESJ	BZ11165	337	EPP			10	7	46.40	-0.10						1.0
MESJ	BZ11165	337	AMS			1055	10.91			3662	14.9				
MORF	BZ11234	337	EPP			10	7	51.35	0.07						1.0
MORF	BZ11234	337	AMS			1055	21.47			4724	16.4				

March 15 2011 Hour: 13:31 46.6 Lat: 35.30N Lon: 138.70E Depth: 10F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.2 secs

EASTERN HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11183	335	EPP			1349	41.15	-0.04							1.0
MESJ	BZ11234	334	EPP			1349	44.50	-0.16							1.0
MORF	BZ11304	334	EPP			1349	49.68	0.21							1.0

March 15 2011 Hour: 15:23 54.0 Lat: 40.33N Lon: 143.27E Depth: 19F Agency: IGL Distant
Magnitudes: 6.5MS IGL Rms: 0.3 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10826	339	EP			1537	25.91	0.17							1.0
GGNV	BZ10826	339	EPP			1541	22.44	-0.33							1.0
GGNV	BZ10826	339	AMS			1625	21.27			9940	10.5				
MESJ	BZ10887	338	EP			1537	28.57	0.31							1.0
MESJ	BZ10887	338	EPP			1541	26.69	-0.34							1.0
MESJ	BZ10887	338	AMS			1626	27.37			12150	17.1				
MORF	BZ10956	338	EPP			1541	32.01	0.18							1.0
MORF	BE10956	338	AMS			1622	4.06			15263	20.5				

March 16 2011 Hour: 3:52 6.0 Lat: 35.79N Lon: 140.80E Depth: 25F Agency: IGL Distant
Magnitudes: 5.9MS 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
MESJ	BZ11265	335	EPP			410	3.70	-0.19							1.0
MESJ	BZ11265	335	AMS			454	41.73			3474	22.8				
MORF	BZ11335	336	EPP			410	8.86	0.19							1.0
MORF	BZ11335	336	AMS			454	48.45			4225	21.1				

March 16 2011 Hour: 15: 3 36.9 Lat: 35.81N Lon: 4.83W Depth: 0 Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.4 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	377	308	EP		15	4	28.94	-0.21						1.0
MESJ	HN	377	308	ES		15	5	7.50	0.17						1.0
MESJ	HN	377	308	AML		15	5	9.52		12	0.1				
MORF	HZ	380	297	EP		15	4	29.07	-0.50						1.0
MORF	HN	380	297	ES		15	5	8.60	0.54						1.0
MORF	HN	380	297	AML		15	5	9.50		7	0.3				

March 17 2011 Hour: 2:48 0.1 Lat: 17.34S Lon: 167.74E Depth: 15F Agency: IGL Distant
Magnitudes: 6.3MS IGL Rms: 0.3 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17642	353	EP			3	7	56.29	0.09						1.0
GGNV	BZ17642	353	AMS			424	22.00			5379	16.1				
MESJ	BZ17725	351	EP			3	7	56.62	-0.49						1.0
MESJ	BZ17725	351	EPP			312	16.04	-0.09							1.0
MESJ	BZ17725	351	AMS			426	8.33			4917	20.8				
MORF	BZ17790	352	EP			3	7	57.94	0.09						1.0
MORF	BZ17790	352	EPP			312	19.75	0.39							1.0
MORF	BZ17790	352	AMS			420	53.34			3144	21.5				

March 17 2011 Hour: 6:49 23.2 Lat: 38.07N Lon: 8.55W Depth: 5F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

S GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	39	131	EP		649	29.36	-0.09							1.0
MESJ	HE	39	131	ES		649	34.19	0.14							1.0
MESJ	HE	39	131	AML		649	34.74			27	0.1				
MORF	HZ	85	186	EP		649	36.96	0.03							1.0
MORF	HN	85	186	ES		649	46.90	-0.09							1.0
MORF	HN	85	186	AML		649	49.40			13	0.1				

March 17 2011 Hour: 8: 3 4.1 Lat: 17.28S Lon: 167.90E Depth: 28F Agency: IGL Distant
Magnitudes: 5.7MS IGL Rms: 0.2 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17721	351	EP			822	58.86	-0.18							1.0
MESJ	BZ17721	351	EPP			827	17.92	-0.10							1.0
MESJ	BZ17721	351	AMS			932	9.91			1512	22.3				
MORF	BZ17786	352	EP			823	0.06	0.29							1.0
MORF	BZ17786	352	AMS			934	45.73			1192	28.1				

March 17 2011 Hour: 13:59 32.2 Lat: 37.16N Lon: 8.89W Depth: 21F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NE VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	27	53	EP		1359	37.51	-0.08							1.0
MORF	HE	27	53	ES		1359	41.48	-0.05							1.0
MORF	HE	27	53	AML		1359	42.28			15	0.1				
MESJ	HZ	96	38	EP		1359	47.43	0.04							1.0
MESJ	HE	96	38	ES		1359	58.57	0.09							1.0
MESJ	HN	96	38	AML		1359	59.64			8	0.2				

March 17 2011 Hour: 16:44 30.9 Lat: 36.80N Lon: 11.08W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	223	75	EP		1645	1.38	-0.08							1.0
MORF	HN	223	75	ES		1645	23.73	0.00							1.0
MORF	HN	223	75	AML		1645	25.29			14	0.3				

MESJ HE 279 65 ES 1645 35.63 0.08 1.0
 MESJ HN 279 65 AML 1645 36.60 3 0.3

March 18 2011 Hour: 10:46 43.4 Lat: 36.66N Lon: 8.63W Depth: 27F 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	72	359	EP		1046	55.02	-0.16							1.0
MORF	HN	72	359	ES		1047	3.89	0.13							1.0
MORF	HN	72	359	AML		1047	4.39			8	0.2				
MESJ	HE	136	15	ES		1047	17.86	0.03							1.0
MESJ	HN	136	15	AML		1047	18.88			5	0.1				

March 18 2011 Hour: 14:24 46.7 Lat: 35.92N Lon: 7.61W Depth: 29F Agency: IGL Regional
Magnitudes: 1.3ML 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	180	329	EP		1425	11.91	-0.07							1.0
MESJ	HZ	220	346	EP		1425	17.13	0.21							1.0
MESJ	HE	220	346	ES		1425	38.82	-0.14							1.0
MESJ	HE	220	346	AML		1425	41.19			2	0.2				

March 18 2011 Hour: 20:33 47.6 Lat: 36.41N Lon: 11.10W Depth: 7F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	240	65	EP		2034	22.18	-0.02							1.0
MORF	HN	240	65	ES		2034	47.38	-0.07							1.0
MORF	HN	240	65	AML		2034	50.00			10	0.4				
MESJ	HE	301	57	ES		2035	0.61	0.09							1.0
MESJ	HE	301	57	AML		2035	3.31			2	0.2				

March 18 2011 Hour: 22: 4 2.9 Lat: 36.89N Lon: 8.57W Depth: 13F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	47	351	EP		22 4	10.65	-0.03							1.0
MORF	HN	47	351	ES		22 4	16.39	0.03							1.0
MORF	HN	47	351	AML		22 4	16.93			5	0.2				

March 19 2011 Hour: 0:42 57.0 Lat: 37.73N Lon: 8.33W Depth: 14F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	16	39	EP		043	0.22	-0.13							1.0
MESJ	HN	16	39	ES		043	2.87	0.06							1.0
MESJ	HE	16	39	AML		043	3.23			7	0.1				
MORF	HN	55	211	ES		043	12.66	0.06							1.0
MORF	HN	55	211	AML		043	13.27			2	0.1				

March 19 2011 Hour: 1:22 44.3 Lat: 39.66N Lon: 143.18E Depth: 9F Agency: IGL Distant
Magnitudes: 6.0MS IGL Rms: 0.4 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10893	338	EP			136	20.79	0.38							1.0
GGNV	BZ10893	338	EPP			140	19.50	0.26							1.0
GGNV	BE10893	338	AMS			228	48.99			5932	19.3				
MESJ	BZ10953	337	EP			136	22.37	-0.67							1.0
MESJ	BZ10953	337	EPP			140	23.83	0.39							1.0
MORF	BZ11022	338	EP			136	25.82	-0.03							1.0
MORF	BZ11022	338	EPP			140	27.90	-0.34							1.0
MORF	BE11022	338	AMS			222	13.48			5174	24.0				

March 19 2011 Hour: 3:23 7.2 Lat: 36.44N Lon: 9.71W Depth: 10F 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	135	44	EP		323	28.39	-0.01							1.0
MORF	HN	135	44	ES		323	43.89	0.01							1.0
MORF	HN	135	44	AML		323	44.35			9	0.2				

March 19 2011 Hour: 8:1 28.5 Lat: 36.47N Lon: 7.86W Depth: 22F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	323	EP		8 1	46.21	-0.18							1.0
MORF	HE	117	323	ES		8 1	59.43	-0.01							1.0
MORF	HN	117	323	AML		8 2	0.20			55	0.1				
MESJ	HZ	155	348	EP		8 1	51.42	0.25							1.0
MESJ	HN	155	348	ES		8 2	7.65	-0.06							1.0
MESJ	HN	155	348	AML		8 2	8.88			55	0.2				

March 19 2011 Hour: 8:34 59.9 Lat: 22.08S Lon: 68.44W Depth: 101F Agency: IGL Distant
Magnitudes: 4.9MB IGL Rms: 0.0 secs

ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9076	44	EP		847	6.59	-0.04							1.0
MORF	BZ	9076	44	AMb		847	8.57			20	0.7				
MESJ	BZ	9141	44	EP		847	9.69	0.04							1.0
MESJ	BZ	9141	44	AMb		847	12.85			23	1.0				

March 19 2011 Hour: 9:56 51.9 Lat: 36.81N Lon: 140.38E Depth: 25F Agency: IGL Distant
Magnitudes: 5.6MS IGL Rms: 0.1 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
MESJ	BZ11146	335	EP			1010	35.65	-0.06							1.0
MESJ	BE11146	335	AMS			1052	53.02			1725	24.3				
MORF	BZ11216	335	EP			1010	38.60	0.06							1.0
MORF	BE11216	335	AMS			1054	14.59			2256	19.5				

March 19 2011 Hour: 23:45 46.9 Lat: 36.67N Lon: 9.67W Depth: 16F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	52	EP		2346	4.97	-0.04							1.0
MORF	HN	115	52	ES		2346	18.24	-0.01							1.0
MORF	HN	115	52	AML		2346	19.07			10	0.1				
MESJ	HN	183	44	ES		2346	32.92	0.05							1.0
MESJ	HN	183	44	AML		2346	33.66			2	0.2				

March 20 2011 Hour: 1:18 37.9 Lat: 38.02N Lon: 8.26W Depth: 7F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.0 secs

SW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	20	170	EP		118	41.36	-0.01							1.0
MESJ	HN	20	170	ES		118	43.93	0.01							1.0
MESJ	HN	20	170	AML		118	44.41			4	0.1				

March 20 2011 Hour: 2:40 45.7 Lat: 36.77N Lon: 9.63W Depth: 20F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	106	55	EP		241	2.42	0.07							1.0
MORF	HN	106	55	ES		241	14.50	0.01							1.0
MORF	HN	106	55	AML		241	15.53			37	0.1				
MESJ	HZ	172	46	EP		241	10.54	-0.13							1.0

MESJ HN 172 46 ES 241 28.94 0.05 1.0
 MESJ HE 172 46 AML 241 30.12 10 0.1

**March 20 2011 Hour: 11:47 44.6 Lat: 18.80S Lon: 174.93W Depth:139F Agency: IGL Distant
 Rms: 0.0 secs**

TONGA Net: NEIC

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ17556 29 EP 12 7 23.84 0.05 1.0
 MORF BZ17581 30 EP 12 7 24.08-0.05 1.0

**March 20 2011 Hour: 12: 3 48.2 Lat: 39.41N Lon: 141.96E Depth: 46F Agency: IGL Distant
 Magnitudes: 5.6MS IGL Rms: 0.4 secs**

EASTERN HONSHU, JAPAN Net: NEIC

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ10938 337 EP 1217 21.42 0.40 1.0
 MESJ BZ10938 337 AMS 13 4 54.16 1918 19.7
 MORF BZ11007 337 EP 1217 23.44-0.40 1.0
 MORF BN11007 337 AMS 13 4 40.54 1459 16.8

**March 20 2011 Hour: 15:20 28.0 Lat: 31.07S Lon: 179.84W Depth:312F Agency: IGL Distant
 Rms: 0.0 secs**

KERMADEC ISLANDS REGION Net: NEIC

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ18945 43 EP 1539 58.04 0.01 1.0
 MORF BZ18953 47 EP 1539 58.12-0.01 1.0

**March 20 2011 Hour: 16:39 5.4 Lat: 36.56N Lon: 7.56W 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 128 311 EP 1639 24.62-0.17 1.0
 MESJ HZ 154 338 EP 1639 28.13 0.15 1.0
 MESJ HN 154 338 ES 1639 44.51 0.02 1.0
 MESJ HE 154 338 AML 1639 45.94 2 0.1

**March 20 2011 Hour: 17:12 26.3 Lat: 24.89S Lon: 70.03W Depth: 47F Agency: IGL Distant
 Magnitudes: 4.7MS 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 9411 45 EP 1724 54.91 0.15 1.0
 MORF BZ 9411 45 AMS 1812 30.56 397 21.8
 MESJ BZ 9477 44 EP 1724 57.51-0.15 1.0
 MESJ BZ 9477 44 AMS 1812 22.55 396 25.1

**March 21 2011 Hour: 8: 4 1.7 Lat: 36.46N Lon: 7.87W Depth: 31F Agency: IGL Regional
 Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 117 324 EP 8 4 18.99-0.02 1.0
 MESJ HZ 156 349 EP 8 4 23.88 0.02 1.0

**March 21 2011 Hour: 8:16 24.6 Lat: 35.10N Lon: 4.09W Depth: 1 Agency: IGL Regional
 Magnitudes: 2.4ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 478 302 EP 817 29.09-0.05 1.0
 MORF HE 478 302 ES 818 16.22-0.02 1.0
 MORF HN 478 302 AML 818 17.60 7 0.2
 MESJ HZ 479 311 EP 817 29.41 0.15 1.0
 MESJ HE 479 311 ES 818 16.37-0.08 1.0
 MESJ HN 479 311 AML 818 18.55 8 0.3

March 21 2011 Hour: 9:49 0.2 Lat: 36.58N Lon: 70.99E Depth:179F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.2 secs

HINDU KUSH REGION, AFGHANISTAN Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6805	297	EP		958	56.07	0.01							1.0
MESJ	BZ	6805	297	AMb		958	59.75			84	2.5				
GGNV	BZ	6836	299	EP		958	57.85	-0.06							1.0
GGNV	BZ	6836	299	AMb		958	59.99		106	1.5					
MORF	BZ	6865	297	EP		958	59.44	-0.30							1.0
MORF	BZ	6865	297	AMb		959	4.31		78	1.6					
MORF	BN	6865	297	ES		107	9.36	0.36							1.0

March 22 2011 Hour: 3:24 52.9 Lat: 37.63N Lon: 7.91W Depth: 1 Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

SE CASTRO VERDE, PORTUGAL Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	36	310	EP		324	58.67	-0.10							1.0
MESJ	HZ	36	310	E		324	58.92					144	14	6.2	
MESJ	HN	36	310	ES		325	3.13	0.10							1.0
MESJ	HN	36	310	AML		325	4.22		3	0.1					

March 22 2011 Hour: 3:38 34.8 Lat: 35.23N Lon: 141.05E Depth: 11F Agency: IGL Distant
Magnitudes: 5.8MS 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
MESJ	BZ11332	336	336	EPP		356	39.54	0.16							1.0
MESJ	BZ11332	336	336	AMS		443	8.77		3034	20.9					
MORF	BZ11402	336	336	EPP		356	43.98	-0.16							1.0
MORF	BZ11402	336	336	AMS		442	35.59		2698	21.0					

March 22 2011 Hour: 7:18 48.2 Lat: 37.25N Lon: 143.96E Depth: 26F Agency: IGL Distant
Magnitudes: 6.6MS IGL Rms: 0.5 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11168	339	339	EP		732	33.64	0.88							0.9
GGNV	BZ11168	339	339	EPP		736	38.98	-0.45							1.0
GGNV	BN11168	339	339	AMS		822	25.22		24733	19.0					
MESJ	BZ11228	338	338	EP		732	35.14	-0.04							1.0
MESJ	BZ11228	338	338	EPP		736	43.24	-0.31							1.0
MESJ	BZ11228	338	338	AMS		824	32.98		17281	18.2					
MORF	BZ11297	338	338	EP		732	38.31	0.31							1.0
MORF	BZ11297	338	338	EPP		736	48.01	-0.28							1.0
MORF	BN11297	338	338	AMS		820	37.73		16755	19.3					

March 22 2011 Hour: 13:31 29.2 Lat: 33.08S Lon: 15.98W Depth: 12F Agency: IGL Distant
Magnitudes: 6.0MB IGL Rms: 0.1 secs

SOUTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7825	6	EP		1342	42.72	0.01							1.0
MORF	BZ	7825	6	AMb		1342	45.77		399	2.0					
MORF	BN	7825	6	ES		1351	55.54	0.02							1.0
MESJ	BZ	7888	6	EP		1342	46.12	0.00							1.0
MESJ	BZ	7888	6	AMb		1342	50.33		247	2.1					
MESJ	BN	7888	6	ES		1352	1.91	-0.12							1.0
GGNV	BZ	7975	6	EP		1342	50.80	-0.03							1.0
GGNV	BZ	7975	6	AMb		1342	55.11		427	1.4					
GGNV	BN	7975	6	ES		1352	11.18	0.13							1.0

March 22 2011 Hour: 16:54 21.8 Lat: 37.07N Lon: 5.41W Depth: 12F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	263	290	EP		1654	58.71	0.01							1.0

March 22 2011 Hour: 18:21 42.0 Lat: 36.21N Lon: 8.70W Depth: 11F Agency: IGL Regional
Magnitudes: 2.5ML 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	122	2	EP		1822	1.16	0.01							1.0
MORF	HE	122	2	ES		1822	15.18	0.02							1.0
MORF	HE	122	2	AML		1822	16.54			132	0.2				
MESJ	HZ	186	13	EP		1822	9.47	0.10							1.0
MESJ	HN	186	13	ES		1822	29.26	-0.12							1.0
MESJ	HN	186	13	AML		1822	31.31			23	0.1				

March 22 2011 Hour: 22:12 29.0 Lat: 37.11N Lon: 140.67E Depth: 1F Agency: IGL Distant
Magnitudes: 5.7MS IGL Rms: 0.0 secs

EASTERN HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11127	335		EPP		2230	21.25	0.00							1.0
MESJ	BZ11127	335		AMS		2314	17.82			2151	20.6				
MORF	BZ11197	336		EPP		2230	26.06	0.00							1.0
MORF	BE11197	336		AMS		2315	39.74			2884	25.7				

March 23 2011 Hour: 3: 2 30.5 Lat: 37.86N Lon: 9.28W Depth: 8F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	83	138	EP		3 2	43.88	-0.02							1.0
MORF	HN	83	138	ES		3 2	53.80	0.09							1.0
MORF	HN	83	138	AML		3 2	54.14			13	0.1				
MESJ	HZ	93	91	EP		3 2	45.47	-0.04							1.0
MESJ	HN	93	91	ES		3 2	56.46	-0.03							1.0
MESJ	HE	93	91	AML		3 2	57.17			12	0.3				

March 23 2011 Hour: 5:55 53.8 Lat: 36.31N Lon: 76.50E Depth: 79F Agency: IGL Distant
Magnitudes: 4.9MB IGL Rms: 0.1 secs

KASHMIR-XINJIANG BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7253	300	EP		6 6	27.05	0.05							1.0
MESJ	BZ	7253	300	AMB		6 6	27.54			31	1.2				

March 23 2011 Hour: 18: 4 23.7 Lat: 38.13N Lon: 8.11W Depth: 2F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

N FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HN	34	197	ES		18 4	33.07	0.00							1.0
MESJ	HN	34	197	AML		18 4	33.75			22	0.3				
MESJ	HZ	34	197	EP		18 4	29.10	0.00							1.0

March 24 2011 Hour: 1:21 58.7 Lat: 37.29N Lon: 8.57W Depth: 17F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	284	EP		122	1.75	0.00							1.0
MORF	HN	7	284	ES		122	3.96	0.00							1.0
MORF	HN	7	284	AML		122	4.38			9	0.3				

March 24 2011 Hour: 8:21 1.8 Lat: 39.12N Lon: 142.15E Depth: 37F Agency: IGL Distant
Magnitudes: 6.1MS 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	BZ10916	338		EPP		838	34.30	0.00							1.0
GGNV	BN10916	338		AMS		923	33.01			8146	20.3				
MESJ	BZ10975	337		EPP		838	38.28	-0.09							1.0
MESJ	BZ10975	337		AMS		923	48.68			5386	19.4				
MORF	BZ11044	337		EP		834	40.24	0.35							1.0
MORF	BZ11044	337		EPP		838	42.92	-0.26							1.0
MORF	BZ11044	337		AMS		925	44.87			5072	18.2				

March 24 2011 Hour: 13:55 11.9 Lat: 20.70N Lon: 99.95E Depth: 10F Agency: IGL Distant
Magnitudes: 7.1MS IGL Rms: 0.3 secs

MYANMAR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10119	311		EP		14 8	16.16	-0.14							1.0
MESJ	BN10119	311		AMS		1447	58.96			71298	23.5				
GGNV	BE10147	312		ES		1418	49.33	0.45							1.0
GGNV	BN10147	312		AMS		1450	28.48			69869	13.3				
MORF	BZ10180	311		EP		14 8	18.78	-0.13							1.0
MORF	BE10180	311		ES		1418	50.60	-0.16							1.0
MORF	BN10180	311		AMS		1448	26.04			72177	21.8				

March 24 2011 Hour: 15:14 28.2 Lat: 36.70N Lon: 10.39W Depth: 1 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	169	66	EP		1514	54.50	0.00							1.0
MORF	HN	169	66	ES		1515	13.61	-0.09							1.0
MORF	HN	169	66	AML		1515	15.87			7	0.3				
MESJ	HZ	230	56	EP		1515	2.11	0.00							1.0
MESJ	HN	230	56	ES		1515	26.96	0.10							1.0
MESJ	HN	230	56	AML		1515	31.00			4	0.8				

March 25 2011 Hour: 0:5 45.4 Lat: 36.15N Lon: 8.53W Depth: 10F 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	129	355	EP		0 6	5.60	-0.09							1.0
MESJ	HZ	190	8	EP		0 6	13.46	0.11							1.0
MESJ	HN	190	8	ES		0 6	33.75	-0.02							1.0
MESJ	HN	190	8	AML		0 6	35.59			3	0.2				

March 25 2011 Hour: 11:36 24.8 Lat: 38.76N Lon: 141.94E Depth: 39F Agency: IGL Distant
Magnitudes: 6.4MS 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	BZ10946	338		EP		1149	58.95	0.24							1.0
GGNV	BZ10946	338		AMS		1238	57.52			12954	22.1				
MESJ	BZ11004	336		EP		1150	0.79	-0.28							1.0
MESJ	BZ11004	336		AMS		1237	48.24			12589	21.9				
MORF	BZ11073	337		EP		1150	3.87	-0.02							1.0
MORF	BZ11073	337		EPP		1154	8.10	0.06							1.0
MORF	BZ11073	337		AMS		1241	17.70			10966	22.2				

March 26 2011 Hour: 1:39 4.2 Lat: 36.82N Lon: 10.55W Depth: 30F 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	177	72	EP		139	29.06	0.00							1.0
MORF	HN	177	72	ES		139	47.18	-0.04							1.0
MORF	HN	177	72	AML		139	48.82			4	0.3				

MESJ HZ	235	61	EP		139	36.22	-0.03										1.0
MESJ HE	235	61	ES		139	59.73	0.07										1.0
MESJ HN	235	61	AML		140	1.29				2	0.4						

March 26 2011 Hour: 7:36 30.9 Lat: 37.29N Lon: 8.42W Depth: 21F Agency: IGL Regional
Magnitudes: 4.1ML IGL Rms: 0.2 secs

NE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		21	275	EP		736	35.30	-0.32							1.0
MORF HN		21	275	ES		736	39.07	0.03							1.0
MORF HN		21	275	AML		736	39.53		47001	0.4					
MESJ HZ		64	16	EP		736	41.76	0.34							1.0
MESJ HE		64	16	ES		736	49.14	0.07							1.0
MESJ HE		64	16	AML		736	50.24		10843	0.2					
GGNV HZ		171	338	EP		736	55.50	-0.09							0.9
ALMR SZ		207	356	EP		736	59.90	-0.25							0.9
ALMR SE		207	356	ESg		737	26.76	0.21							0.9
ALMR SE		207	356	AML		737	28.57		855	0.2					

March 26 2011 Hour: 9:23 37.1 Lat: 37.30N Lon: 8.40W Depth: 11F Agency: IGL Regional
Magnitudes: 0.5ML 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		22	272	EP		923	40.77	-0.34							1.0
MORF HN		22	272	ES		923	44.15	0.09							1.0
MORF HE		22	272	AML		923	45.09		10	0.1					
MESJ HZ		62	15	EP		923	47.23	0.05							1.0
MESJ HN		62	15	ES		923	54.77	0.20							1.0

March 26 2011 Hour: 12:54 33.1 Lat: 37.88N Lon: 6.63W Depth: 11F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		140	269	EP		1254	54.74	-0.03							1.0

March 26 2011 Hour: 13:30 37.0 Lat: 36.53N Lon: 3.63W 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		433	291	EP		1331	36.12	0.10							1.0

March 26 2011 Hour: 14:33 16.3 Lat: 36.56N Lon: 11.36W Depth: 31F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		313	62	EP		1433	57.88	-0.05							1.0
MESJ HE		313	62	ES		1434	28.35	0.05							1.0
MESJ HE		313	62	AML		1434	30.59		2	0.2					

March 26 2011 Hour: 15:57 53.9 Lat: 36.58N Lon: 9.79W Depth: 12F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		130	51	EP		1558	14.20	-0.01							1.0
MORF HE		130	51	ES		1558	29.00	-0.06							1.0
MORF HN		130	51	AML		1558	29.73		6	0.1					
MESJ HZ		197	44	EP		1558	22.62	-0.01							1.0
MESJ HE		197	44	ES		1558	43.71	0.09							1.0
MESJ HE		197	44	AML		1558	45.44		3	0.1					

March 26 2011 Hour: 17:53 18.5 Lat: 37.30N Lon: 8.43W Depth: 19F Agency: IGL Regional
Magnitudes: 1.6ML 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	20	272	EP		1753	22.56	-0.27							1.0
MORF	HN	20	272	ES		1753	26.16	0.14							1.0
MORF	HN	20	272	AML		1753	26.79			80	0.2				
MESJ	HZ	63	17	EP		1753	28.97	0.21							1.0
MESJ	HN	63	17	ES		1753	36.20	-0.07							1.0
MESJ	HN	63	17	AML		1753	37.24			27	0.1				

March 26 2011 Hour: 20: 1 52.5 Lat: 38.18N Lon: 8.32W Depth: 0 Agency: IGL Regional
Magnitudes: 0.7ML 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	39	167	EP		20	1	58.94	0.18						1.0
MESJ	HE	39	167	ES		20	2	3.20	-0.13						1.0
MESJ	HE	39	167	AML		20	2	4.41		4	0.1				
MORF	HN	101	197	ES		20	2	20.70	-0.06						1.0
MORF	HN	101	197	AML		20	2	22.56		3	0.3				

March 26 2011 Hour: 23:59 22.3 Lat: 38.54N Lon: 9.36W Depth: 1 Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

SW OEIRAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	127	128	EP		2359	42.63	-0.07							1.0
MESJ	HE	127	128	ES		2359	57.68	0.07							1.0
MESJ	HE	127	128	AML		2359	59.04			5	0.2				

March 27 2011 Hour: 6:20 57.6 Lat: 14.45N Lon: 92.35W Depth: 45F Agency: IGL Distant
Magnitudes: 5.3MS IGL Rms: 0.3 secs

OFFSHORE CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8444	53	EP		632	39.41	-0.03							1.0
GGNV	BE	8444	53	AMS		7	4	17.55		1372	13.7				
MORF	BZ	8508	55	EP		632	43.24	0.44							1.0
MORF	BZ	8508	55	AMS		7	3	36.49		1639	20.7				
MESJ	BZ	8537	54	EP		632	44.11	-0.14							1.0
MESJ	BE	8537	54	ES		642	28.15	-0.26							1.0
MESJ	BZ	8537	54	AMS		7	3	36.69		1173	19.8				

March 27 2011 Hour: 22:23 59.3 Lat: 38.40N Lon: 142.10E Depth: 17F 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	BZ10988	338	EPP			2241	39.47	-0.03							1.0
GGNV	BN10988	338	ES			2248	15.61	0.31							1.0
GGNV	BN10988	338	AMS			2328	23.73			15128	17.9				
MESJ	BZ11046	337	EP			2237	40.45	0.06							1.0
MESJ	BZ11046	337	EPP			2241	43.20	-0.32							1.0
MESJ	BN11046	337	ES			2248	18.09	0.12							1.0
MESJ	BN11046	337	AMS			2324	54.50			11861	23.0				
MORF	BZ11116	337	EP			2237	43.21	0.00							1.0
MORF	BZ11116	337	EPP			2241	48.07	-0.25							1.0
MORF	BN11116	337	ES			2248	21.24	0.09							1.0
MORF	BN11116	337	AMS			2326	9.98			14436	17.9				

March 28 2011 Hour: 7:30 45.0 Lat: 38.62N Lon: 7.50W Depth: 18F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.3 secs

SE REDONDO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	107	216	EP		731	1.71	-0.20							1.0
MESJ	HN	107	216	ES		731	14.52	0.24							1.0
MESJ	HN	107	216	AML		731	14.95			32	0.2				
ALMR	SE	111	303	ES		731	15.55	0.43							1.0
ALMR	SE	111	303	AML		731	16.99			98	0.2				
MORF	HZ	177	215	EP		731	10.27	-0.48							1.0
ALMR	SZ	111	303	EP		731	2.39	-0.01							1.0

March 29 2011 Hour: 3:51 18.5 Lat: 36.61N Lon: 11.41W Depth: 31F 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	258	72	EP		351	53.29	-0.03							1.0
MORF	HN	258	72	ES		352	18.41	-0.30							1.0
MORF	HN	258	72	AML		352	20.65			8	0.4				
MESJ	HZ	314	63	EP		352	0.46	0.13							1.0
MESJ	HE	314	63	ES		352	31.04	0.21							1.0
MESJ	HN	314	63	AML		352	34.20			3	0.3				

March 29 2011 Hour: 4:53 20.9 Lat: 38.46N Lon: 8.18W Depth: 7F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

SE MONTEMOR-O-NOVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	69	183	EP		453	32.08	0.02							1.0
MESJ	HE	69	183	ES		453	40.20	-0.03							1.0
MESJ	HE	69	183	AML		453	40.84			14	0.2				
MORF	HZ	135	198	EP		453	42.28	0.04							1.0
MORF	HE	135	198	ES		453	57.80	-0.03							1.0
MORF	HN	135	198	AML		453	59.54			17	0.4				

March 29 2011 Hour: 7:17 45.3 Lat: 37.29N Lon: 8.42W Depth: 20F Agency: IGL Regional
Magnitudes: 1.5ML 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	21	275	EP		717	49.70	-0.17							1.0
MORF	HN	21	275	ES		717	53.34	0.12							1.0
MORF	HN	21	275	AML		717	53.92			80	0.2				
MESJ	HZ	64	16	EP		717	55.81	0.07							1.0
MESJ	HN	64	16	ES		718	3.35	-0.02							1.0
MESJ	HE	64	16	AML		718	4.57			18	0.2				

March 29 2011 Hour: 10:54 33.0 Lat: 37.42N Lon: 142.27E Depth: 14F Agency: IGL Distant
Magnitudes: 6.8MS IGL Rms: 0.3 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11096	338	EP			11 8	16.67	0.15							1.0
GGNV	BZ11096	338	EPP			1112	21.23	0.21							1.0
GGNV	BN11096	338	ES			1118	54.35	-0.34							1.0
GGNV	BN11096	338	AMS			1159	45.54			31498	18.7				
MESJ	BZ11153	337	EP			11 8	19.07	0.22							1.0
MESJ	BZ11153	337	EPP			1112	24.49	-0.49							1.0
MESJ	BN11153	337	ES			1118	57.73	0.44							1.0
MESJ	BZ11153	337	AMS			1159	40.55			22226	19.7				
MORF	BZ11223	337	EP			11 8	22.08	0.40							1.0
MORF	BZ11223	337	EPP			1112	29.60	-0.16							1.0
MORF	BN11223	337	ES			1118	59.97	-0.45							1.0
MORF	BZ11223	337	AMS			12 0	7.78			22671	16.0				

March 29 2011 Hour: 23:29 38.6 Lat: 37.28N Lon: 8.42W Depth: 16F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.2 secs

NE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	21	278	EP		2329	42.59	-0.24							1.0
MORF	HN	21	278	ES		2329	46.04	0.14							1.0
MORF	HN	21	278	AML		2329	46.79			17	0.1				
MESJ	HZ	65	16	EP		2329	49.26	0.14							1.0
MESJ	HE	65	16	ES		2329	56.75	-0.03							1.0
MESJ	HE	65	16	AML		2329	57.83			4	0.2				

March 30 2011 Hour: 5:29 56.2 Lat: 36.13N Lon: 142.43E Depth: 30F Agency: IGL Distant
Magnitudes: 6.3MS IGL Rms: 0.1 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11290	337	EP			543	45.06	0.03							1.0
MESJ	BZ11290	337	EPP			547	55.13	-0.03							1.0
MESJ	BZ11290	337	AMS			636	36.23			8900	18.4				
MORF	BZ11360	337	EP			543	47.95	0.09							1.0
MORF	BZ11360	337	EPP			547	59.83	-0.09							1.0
MORF	BZ11360	337	AMS			637	4.52			7201	17.7				

March 30 2011 Hour: 23:54 7.6 Lat: 36.78N Lon: 9.65W Depth: 18F 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	106	56	EP		2354	24.43	0.03							1.0
MORF	HE	106	56	ES		2354	36.76	0.06							1.0
MORF	HE	106	56	AML		2354	37.58			7	0.1				
MESJ	HZ	173	47	EP		2354	32.56	-0.18							1.0
MESJ	HE	173	47	ES		2354	51.22	0.09							1.0
MESJ	HN	173	47	AML		2354	52.35			2	0.2				

March 31 2011 Hour: 0:11 59.0 Lat: 16.57S Lon: 177.49W Depth: 24F Agency: IGL Distant
Magnitudes: 0.0 IGL Rms: 0.0 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17326	23	EP			031	50.08	0.04							1.0
MESJ	BZ17450	22	EP			031	51.48	-0.07							1.0
MORF	BZ17485	23	EP			031	52.03	0.03							1.0

March 31 2011 Hour: 6:17 40.8 Lat: 38.84N Lon: 10.46W Depth: 14F Agency: IGL Regional
Magnitudes: 0.0 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	225	119	EP		618	12.90	0.09							1.0
MORF	HZ	233	136	EP		618	13.69	-0.10							1.0

March 31 2011 Hour: 7:15 29.8 Lat: 38.95N Lon: 142.02E Depth: 40F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.1 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	BZ10928	338	EPP			733	2.88	-0.01							1.0
GGNV	BZ10928	338	AMS			818	0.01			6944	20.1				
MESJ	BZ10987	337	EP			729	5.00	-0.24							1.0
MESJ	BZ10987	337	EPP			733	6.97	0.03							1.0
MESJ	BN10987	337	ES			739	40.04	0.12							1.0
MESJ	BZ10987	337	AMS			817	11.04			6031	21.1				
MORF	BZ11056	337	EP			729	7.98	-0.08							1.0
MORF	BZ11056	337	EPP			733	11.91	0.17							1.0
MORF	BZ11056	337	AMS			820	17.48			5085	23.2				

March 31 2011 Hour: 8:55 38.5 Lat: 36.73N Lon: 9.65W Depth: 21F 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	110	54	EP		855	55.52	-0.05							1.0
MORF	HE	110	54	ES		856	8.09	0.04							1.0
MORF	HE	110	54	AML		856	8.88			8	0.1				
MESJ	HZ	177	45	EP		856	3.89	0.00							1.0
MESJ	HN	177	45	ES		856	22.45	0.01							1.0
MESJ	HN	177	45	AML		856	23.11			3	0.3				

March 31 2011 Hour: 16: 1 15.5 Lat: 36.80N Lon: 7.39W Depth: 13F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	297	EP		16 1	35.15	-0.07							1.0
MORF	HN	125	297	ES		16 1	49.73	0.12							1.0
MORF	HN	125	297	AML		16 1	50.88			6	0.2				
MESJ	HZ	137	328	EP		16 1	36.65	-0.01							1.0
MESJ	HE	137	328	ES		16 1	52.06	-0.04							1.0
MESJ	HN	137	328	AML		16 1	52.56			3	0.4				

April 1 2011 Hour: 11:57 54.7 Lat: 39.35N Lon: 141.98E Depth: 38F Agency: IGL Distant
Magnitudes: 5.8MS IGL Rms: 0.1 secs

EASTERN HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10945	337	337	EPP		1215	29.25	0.13							1.0
MESJ	BZ10945	337	AMS			1259	0.22			2928	20.7				
MORF	BZ11014	337	EPP			1215	33.80	-0.13							1.0
MORF	BN11014	337	AMS			1258	48.80			2407	17.6				

April 1 2011 Hour: 13:29 12.0 Lat: 35.73N Lon: 26.45E Depth: 78F Agency: IGL Distant
Magnitudes: 6.0MB IGL Rms: 0.3 secs

CRETE, GREECE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3087	285	EP		1334	53.68	0.29							1.0
MESJ	BZ	3087	285	AMb		1334	55.73			286	1.1				
MESJ	BN	3087	285	ES		1339	30.91	-0.33							1.0
ALMR	SZ	3104	288	EP		1334	55.01	0.23							1.0
MORF	BZ	3132	284	EP		1334	57.29	0.24							1.0
MORF	BN	3132	284	ES		1339	37.34	-0.35							1.0
GGNV	BZ	3158	287	EP		1334	59.16	0.11							1.0
GGNV	BZ	3158	287	AMb		1335	2.15			477	0.9				
GGNV	BN	3158	287	ES		1339	41.04	-0.20							1.0

April 1 2011 Hour: 13:49 28.0 Lat: 37.41N Lon: 3.52W Depth: 22F Agency: IGL Regional
Magnitudes: 2.1ML 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	418	278	EP		1350	23.18	0.01							1.0
MESJ	HN	418	278	ES		1351	3.44	-0.01							1.0
MESJ	HN	418	278	AML		1351	6.05			5	0.3				

April 2 2011 Hour: 2:18 51.5 Lat: 35.43N Lon: 6.07W Depth: 31F Agency: IGL Regional
Magnitudes: 2.1ML 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
MORF	HE	311	313	ES		220	3.25	-0.03							1.0
MORF	HE	311	313	AML		220	4.59			8	0.1				
MESJ	HZ	329	325	EP		219	35.20	0.00							1.0
MESJ	HN	329	325	ES		220	7.10	0.03							1.0
MESJ	HN	329	325	AML		220	8.76			8	0.3				

April 2 2011 Hour: 2:24 13.0 Lat: 38.61N Lon: 7.50W Depth: 15F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs
SE REDONDO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	106	217	EP		224	29.79	0.03							1.0
MESJ	HN	106	217	ES		224	41.99	-0.03							1.0
MESJ	HN	106	217	AML		224	43.10			4	0.4				

April 2 2011 Hour: 9:4 12.0 Lat: 36.61N Lon: 5.36W Depth: 15F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs
SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	288	299	EP		9 4	51.83	0.04							1.0
MESJ	HN	288	299	ES		9 5	20.79	-0.04							1.0
MESJ	HN	288	299	AML		9 5	22.00			2	0.4				

April 2 2011 Hour: 10:59 37.8 Lat: 19.56S Lon: 69.07W Depth: 83F Agency: IGL Distant
Magnitudes: 5.7MB 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
MORF	BZ	8923	45	EP		1111	39.13	-0.15							1.0
MORF	BZ	8923	45	AMb		1111	46.10			222	1.0				
MORF	BN	8923	45	ES		1121	38.24	0.06							1.0
GGNV	BZ	8974	43	EP		1111	41.75	0.11							1.0
GGNV	BZ	8974	43	AMb		1111	47.87			156	1.0				
GGNV	BN	8974	43	ES		1121	42.65	-0.15							1.0
MESJ	BZ	8988	44	EP		1111	42.28	-0.04							1.0
MESJ	BZ	8988	44	AMb		1111	48.64			90	1.2				
MESJ	BN	8988	44	ES		1121	44.29	0.18							1.0

April 3 2011 Hour: 3:24 50.2 Lat: 35.60N Lon: 6.34W Depth: 14F Agency: IGL Regional
Magnitudes: 2.1ML 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	281	313	EP		325	29.01	-0.19							1.0
MORF	HE	281	313	ES		325	57.43	-0.21							1.0
MORF	HE	281	313	AML		325	58.38			7	0.2				
MESJ	HZ	300	327	EP		325	31.80	0.23							1.0
MESJ	HN	300	327	ES		326	1.90	0.17							1.0
MESJ	HN	300	327	AML		326	3.23			9	0.3				

April 3 2011 Hour: 3:30 20.8 Lat: 35.63N Lon: 6.31W Depth: 25F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	299	326	EP		331	0.87	-0.15							1.0
MESJ	HN	299	326	ES		331	30.55	0.15							1.0
MESJ	HN	299	326	AML		331	32.03			4	0.4				

April 3 2011 Hour: 17:0 35.5 Lat: 35.91N Lon: 3.88W Depth: 1F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	442	300	EP		17 1	35.73	0.04							1.0
MESJ	HN	442	300	ES		17 2	19.41	-0.19							1.0
MESJ	HN	442	300	AML		17 2	23.38			19	0.2				
MORF	HN	454	291	ES		17 2	22.31	0.15							1.0
MORF	HE	454	291	AML		17 2	24.22			16	0.4				

April 3 2011 Hour: 20: 6 41.6 Lat: 9.79S Lon: 107.75E Depth: 24F Agency: IGL Distant
Magnitudes: 6.2MS IGL Rms: 0.3 secs
SOUTH OF JAVA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12958	307	EP			2025	22.85	-0.25							1.0
MESJ	BZ12958	307	EPP			2026	29.93	0.33							1.0
MESJ	BN12958	307	AMS			2122	17.11		5186	21.6					
MORF	BZ13004	307	EP			2025	23.93	-0.02							1.0
MORF	BZ13004	307	EPP			2026	32.82	0.26							1.0
MORF	BZ13004	307	AMS			2126	39.36		4591	20.4					
GGNV	BZ13023	308	EP			2025	24.23	0.04							1.0
GGNV	BZ13023	308	EPP			2026	33.31	-0.36							1.0
GGNV	BE13023	308	AMS			2130	14.49		6370	17.1					

April 3 2011 Hour: 22:17 51.9 Lat: 42.62N Lon: 9.26W Depth: 11F Agency: IGL Regional
Magnitudes: 2.1ML 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	538	170	EP		2219	2.71	0.07							1.0
MESJ	HN	538	170	ES		2219	54.24	-0.07							1.0
MESJ	HN	538	170	AML		2219	55.66		3	0.6					

April 4 2011 Hour: 11:31 41.0 Lat: 29.68N Lon: 80.75E Depth: 12F Agency: IGL Distant
Magnitudes: 5.8MB IGL Rms: 0.1 secs
NEPAL-INDIA BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7980	304	EP		1143	3.38	0.07							1.0
MESJ	BZ	7980	304	AMb		1143	5.03		121	1.0					
GGNV	BZ	8015	305	EP		1143	5.29	0.12							1.0
GGNV	BZ	8015	305	AMb		1143	7.27		177	1.0					
MORF	BZ	8039	303	EP		1143	6.36	-0.19							1.0
MORF	BZ	8039	303	AMb		1143	8.91		99	1.4					

April 5 2011 Hour: 6:54 9.4 Lat: 36.97N Lon: 8.40W Depth: 8F Agency: IGL Regional
Magnitudes: 2.5ML 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	44	329	EP		654	16.52	-0.06							1.0
MORF	HN	44	329	ES		654	21.77	-0.02							1.0
MORF	HN	44	329	AML		654	21.87		327	0.1					
MESJ	HZ	98	9	EP		654	25.47	0.32							1.0
MESJ	HE	98	9	ES		654	36.38	-0.24							1.0
MESJ	HE	98	9	AML		654	37.89		152	0.1					

April 6 2011 Hour: 3:43 53.9 Lat: 35.55N Lon: 4.50W Depth: 1 Agency: IGL Regional
Magnitudes: 3.3ML 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	418	308	EP		344	51.33	0.07							1.0
MESJ	HN	418	308	ES		345	32.99	-0.11							1.0
MESJ	HN	418	308	AML		345	34.25		67	0.3					
MORF	HZ	420	299	EP		344	51.43	-0.08							1.0
MORF	HE	420	299	ES		345	33.66	0.13							1.0
MORF	HN	420	299	AML		345	34.50		91	0.5					

April 7 2011 Hour: 13:11 24.8 Lat: 17.43N Lon: 93.98W Depth: 167F Agency: IGL Distant
Magnitudes: 6.2MS IGL 6.7MB IGL Rms: 0.3 secs
VERACRUZ, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8387	54	EP		1322	49.93	-0.04							1.0
GGNV	BE	8387	54	ES		1332	16.65	0.23							1.0
GGNV	BZ	8387	54	AMS		1351	10.89		14005	16.1					
ALMR	SZ	8426	53	EP		1322	52.13	0.12							1.0

ALMR	SZ	8426	53	AMb		1322	55.66			2386	1.2						
MORF	BZ	8459	55	EP		1322	53.33	-0.45									1.0
MORF	BE	8459	55	ES		1332	23.77	0.00									1.0
MORF	BZ	8459	55	AMS		1352	41.52			12622	18.6						
MESJ	BZ	8485	54	EP		1322	54.80	-0.23									1.0
MESJ	BN	8485	54	ES		1332	26.54	0.35									1.0
MESJ	BZ	8485	54	AMS		1354	11.37			7101	20.0						

April 7 2011 Hour: 14:32 42.2 Lat: 38.25N Lon: 141.64E Depth: 49F Agency: IGL Distant
Magnitudes: 7.5MS IGL Rms: 0.1 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	BZ10988	337	EP			1446	16.38	-0.16							1.0
GGNV	BN10988	337	ES			1456	50.33	0.03							1.0
GGNV	BZ10988	337	AMS			1535	25.51			166000	21.4				
MESJ	BZ11045	336	EP			1446	18.88	0.02							1.0
MESJ	BN11045	336	ES			1456	53.04	0.11							1.0
MESJ	BZ11045	336	AMS			1533	49.58			161000	21.4				
MORF	BZ11115	336	EP			1446	21.74	0.05							1.0
MORF	BN11115	336	ES			1456	56.05	-0.06							1.0
MORF	BZ11115	336	AMS			1535	6.96			139000	22.4				

April 7 2011 Hour: 15:53 46.0 Lat: 37.51N Lon: 2.45W Depth: 12F Agency: IGL Regional
Magnitudes: 3.3ML 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	510	276	EP		1554	53.22	-0.05							1.0
MESJ	HE	510	276	ES		1555	42.25	-0.17							1.0
MESJ	HE	510	276	AML		1556	9.44			28	0.4				
MORF	HZ	549	270	EP		1554	58.08	0.04							1.0
MORF	HE	549	270	ES		1555	50.59	-0.07							1.0
MORF	HN	549	270	AML		1555	57.26			88	0.3				
ALMR	SZ	566	291	EP		1555	0.27	0.26							1.0

April 7 2011 Hour: 20:41 53.9 Lat: 17.22N Lon: 85.09W Depth: 19F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.2 secs

NORTH OF HONDURAS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	7634	55	EP		2052	55.83	0.05							1.0
GGNV	BZ	7634	55	AMb		2053	9.62			90	1.3				
MORF	BZ	7694	56	EP		2052	58.94	-0.24							1.0
MORF	BZ	7694	56	AMb		2053	1.13			61	1.9				
MESJ	BZ	7725	55	EP		2053	1.08	0.19							1.0
MESJ	BZ	7725	55	AMb		2053	2.03			16	1.2				

April 8 2011 Hour: 15:7 11.8 Lat: 41.16N Lon: 1.07W Depth: 1 Agency: IGL Regional
Magnitudes: 3.5ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	677	253	EP		15	8	40.52	0.09						1.0
ALMR	SN	677	253	ES		15	9	44.98	-0.13						1.0
ALMR	SE	677	253	AML		15	9	52.08		148	0.6				
MESJ	HZ	717	241	EP		15	8	45.31	0.08						1.0
MESJ	HN	717	241	ES		15	9	53.36	-0.06						1.0
MESJ	HE	717	241	AML		15	9	56.36		27	0.4				
MORF	HZ	781	239	EP		15	8	52.71	-0.18						0.9
MORF	HE	781	239	ES		1510	6.86	0.19							0.9
MORF	HE	781	239	AML		1510	10.38			29	0.7				

April 8 2011 Hour: 16:24 10.5 Lat: 37.08N Lon: 8.58W Depth: 10F 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	26	346	EP		1624	14.95	-0.03							1.0
MORF	HN	26	346	ES		1624	18.29	0.02							1.0
MORF	HN	26	346	AML		1624	18.49			18	0.1				
MESJ	HZ	90	21	EP		1624	24.92	0.01							1.0
MESJ	HN	90	21	ES		1624	35.46	0.01							1.0
MESJ	HE	90	21	AML		1624	36.21			7	0.4				

April 9 2011 Hour: 2:30 15.5 Lat: 36.72N Lon: 9.69W Depth: 17F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	55	EP		230	33.33	-0.03							1.0
MORF	HN	113	55	ES		230	46.44	0.05							1.0
MORF	HN	113	55	AML		230	47.35			4	0.1				
MESJ	HZ	180	46	EP		230	41.58	-0.10							1.0
MESJ	HE	180	46	ES		231	0.86	0.08							1.0
MESJ	HN	180	46	AML		231	1.82			2	0.3				

April 9 2011 Hour: 7:8 30.4 Lat: 36.72N Lon: 7.37W Depth: 24F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	145	329	EP		7 8	51.54	-0.09							1.0
MESJ	HN	145	329	ES		7 9	7.24	0.09							1.0
MESJ	HN	145	329	AML		7 9	9.07			3	0.2				

April 9 2011 Hour: 12:57 49.2 Lat: 30.01N Lon: 131.81E Depth: 21F Agency: IGL Distant
Magnitudes: 6.0MS IGL Rms: 0.2 secs

KYUSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11405	330	330	EP		1311	43.56	-0.13							1.0
GGNV	BE11405	330	330	AMS		1356	8.28			5629	20.6				
MESJ	BZ11439	329	329	EP		1311	45.45	0.36							1.0
MESJ	BE11439	329	329	ESS		1330	40.02	-0.13							1.0
MESJ	BE11439	329	329	AMS		1356	19.47			5552	23.5				
MORF	BZ11509	329	329	EP		1311	48.07	0.12							1.0
MORF	BZ11509	329	329	EPP		1316	3.69	-0.23							1.0
MORF	BE11509	329	329	AMS		1356	23.69			5553	22.2				

April 9 2011 Hour: 21:33 22.0 Lat: 35.88N Lon: 8.81W Depth: 29F 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	159	5	EP		2133	44.64	-0.02							1.0
MESJ	HZ	224	13	EP		2133	52.78	0.10							1.0
MESJ	HN	224	13	ES		2134	14.98	-0.09							1.0
MESJ	HN	224	13	AML		2134	15.79			2	0.2				

April 10 2011 Hour: 2:53 36.4 Lat: 36.15N Lon: 10.27W Depth: 10F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	193	48	EP		254	4.88	0.01							1.0
MORF	HN	193	48	ES		254	25.66	-0.01							1.0
MORF	HN	193	48	AML		254	27.04			48	0.2				
MESJ	HZ	262	44	EP		254	13.22	-0.10							1.0
MESJ	HE	262	44	ES		254	40.38	0.10							1.0
MESJ	HE	262	44	AML		254	41.63			9	0.2				

April 10 2011 Hour: 5:22 23.6 Lat: 36.83N Lon: 12.33W Depth: 0 Agency: IGL Regional
 Magnitudes: 3.4ML 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	331	80	EP		523	10.08	-0.11							1.0
MORF	HE	331	80	ES		523	44.01	-0.20							1.0
MORF	HE	331	80	AML		523	45.66			68	0.2				
GGNV	HE	350	52	ES		523	48.42	0.29							1.0
GGNV	HE	350	52	AML		523	49.85			235	0.3				
MESJ	HZ	381	72	EP		523	16.30	-0.03							1.0
MESJ	HE	381	72	ES		523	54.55	-0.29							1.0
MESJ	HN	381	72	AML		523	56.66			61	0.2				
ALMR	SZ	419	51	EP		523	21.19	0.17							1.0
ALMR	SN	419	51	ES		524	3.14	0.18							1.0
ALMR	SN	419	51	AML		524	5.50			177	0.3				

April 10 2011 Hour: 16:19 29.3 Lat: 36.96N Lon: 10.87W Depth: 23F Agency: IGL Regional
 Magnitudes: 2.2ML 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	201	78	EP		1619	57.56	0.00							1.0
MORF	HE	201	78	ES		1620	18.25	0.05							1.0
MORF	HN	201	78	AML		1620	19.42			29	0.1				
MESJ	HZ	254	67	EP		1620	4.13	-0.01							1.0
MESJ	HE	254	67	ES		1620	29.54	-0.04							1.0
MESJ	HE	254	67	AML		1620	32.38			9	0.1				

April 10 2011 Hour: 19: 5 12.5 Lat: 37.34N Lon: 8.47W Depth: 15F Agency: IGL Regional
 Magnitudes: 0.8ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	257	EP		19 5	16.13	0.00							1.0
MORF	HN	16	257	ES		19 5	18.76	-0.01							1.0
MORF	HN	16	257	AML		19 5	19.65			39	0.2				
MESJ	HE	60	22	ES		19 5	29.39	0.01							1.0
MESJ	HE	60	22	AML		19 5	29.51			3	0.2				

April 11 2011 Hour: 8:16 13.2 Lat: 37.01N Lon: 140.48E Depth: 10F Agency: IGL Distant
 Magnitudes: 6.8MS IGL Rms: 0.1 secs

EASTERN HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11076	336	336	EP		829	56.64	0.09							1.0
GGNV	BZ11076	336	336	EPP		834	0.39	-0.04							1.0
GGNV	BE11076	336	336	AMS		913	40.20			26127	18.7				
MESJ	BZ11130	335	335	EP		829	58.96	0.20							0.9
MESJ	BZ11130	335	335	EPP		834	4.14	-0.06							1.0
MESJ	BE11130	335	335	AMS		913	0.59			21826	17.5				
MORF	BZ11200	335	335	EP		830	1.54	-0.06							1.0
MORF	BZ11200	335	335	EPP		834	8.89	-0.11							1.0
MORF	BE11200	335	335	AMS		913	8.74			28690	20.3				

April 11 2011 Hour: 11: 7 20.5 Lat: 37.60N Lon: 9.60W Depth: 1F Agency: IGL Regional
 Magnitudes: 1.3ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	125	77	EP		11 7	40.34	-0.20							1.0
MESJ	HN	125	77	ES		11 7	55.41	0.20							1.0
MESJ	HN	125	77	AML		11 7	55.84			5	0.4				

April 11 2011 Hour: 15:41 35.3 Lat: 32.05N Lon: 7.46W Depth: 76F Agency: IGL Regional
Rms: 0.2 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	593	350	EP		1542	49.73	-0.15							1.0
MESJ	HZ	646	354	EP		1542	56.21	0.16							1.0

April 11 2011 Hour: 23: 8 15.9 Lat: 35.41N Lon: 140.54E Depth: 13F Agency: IGL Distant
Magnitudes: 6.7MS 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	BZ11242	336	336	EP		2322	5.16	-0.17							1.0
GGNV	BZ11242	336	336	EPP		2326	13.81	-0.10							1.0
GGNV	BE11242	336	336	AMS		24 7	6.27			24171	19.5				
MESJ	BZ11295	335	335	EP		2322	7.59	0.10							1.0
MESJ	BZ11295	335	335	EPP		2326	17.37	-0.19							1.0
MESJ	BZ11295	335	335	AMS		2413	50.92			25262	19.2				
MORF	BZ11365	335	335	EP		2322	10.59	0.26							1.0
MORF	BZ11365	335	335	EPP		2326	22.45	0.11							1.0
MORF	BE11365	335	335	AMS		2410	56.70			21540	21.8				

April 12 2011 Hour: 5: 7 42.0 Lat: 37.00N Lon: 140.70E Depth: 11F Agency: IGL Distant
Magnitudes: 6.2MS IGL Rms: 0.0 secs

EASTERN HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11084	337	337	EP		521	25.61	0.02							1.0
GGNV	BZ11084	337	337	EPP		525	29.72	0.00							1.0
GGNV	BZ11084	337	337	AMS		611	4.52			8006	20.7				
MESJ	BZ11139	335	335	EP		521	27.79	-0.02							1.0
MESJ	BZ11139	335	335	EPP		525	33.53	0.02							1.0
MESJ	BZ11139	335	335	AMS		612	15.01			6628	17.6				
MORF	BZ11209	336	336	EP		521	30.65	0.00							1.0
MORF	BZ11209	336	336	EPP		525	38.29	-0.02							1.0
MORF	BZ11209	336	336	AMS		612	42.18			5876	19.3				

April 12 2011 Hour: 6:59 52.5 Lat: 36.95N Lon: 11.26W Depth: 10F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	235	80	EP		7 0	26.30	0.07							1.0
MORF	HN	235	80	ES		7 0	50.65	-0.17							1.0
MORF	HN	235	80	AML		7 0	52.83			9	0.4				
MESJ	HZ	287	69	EP		7 0	32.67	0.07							1.0
MESJ	HN	287	69	ES		7 1	1.88	0.04							1.0
MESJ	HN	287	69	AML		7 1	3.70			4	0.1				

April 13 2011 Hour: 1:52 19.0 Lat: 37.99N Lon: 10.08W Depth: 24F Agency: IGL Regional
Magnitudes: 1.4ML 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	147	121	EP		152	40.48	-0.04							1.0
MORF	HE	147	121	ES		152	56.24	0.00							1.0
MORF	HE	147	121	AML		152	58.01			4	0.1				
MESJ	HZ	164	95	EP		152	42.67	0.04							1.0

April 13 2011 Hour: 4:28 58.3 Lat: 18.96N Lon: 64.26W Depth: 31F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.0 secs

VIRGIN ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5743	57	EP		438	1.82	0.02							1.0
MORF	BZ	5743	57	AMb		438	3.57			48	1.7				

April 13 2011 Hour: 19:57 24.0 Lat: 39.59N Lon: 143.36E Depth: 11F Agency: IGL Distant
Magnitudes: 6.5MS IGL Rms: 0.2 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10906	339	EP			2011	0.38	0.03							1.0
GGNV	BN10906	339	ES			2021	37.96	-0.13							1.0
GGNV	BE10906	339	AMS			2056	25.03		14907	20.3					
MESJ	BZ10967	338	EP			2011	3.37	0.39							1.0
MESJ	BN10967	338	ES			2021	41.00	0.09							1.0
MESJ	BE10967	338	AMS			2056	28.48		11502	19.7					
MORF	BZ11036	338	EP			2011	5.48	-0.31							1.0
MORF	BN11036	338	ES			2021	44.05	-0.07							1.0
MORF	BE11036	338	AMS			2056	53.72		19859	22.3					

April 13 2011 Hour: 20:16 50.4 Lat: 36.56N Lon: 7.38W Depth: 17F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	160	333	EP		2017	14.15	-0.02							1.0
MESJ	HN	160	333	ES		2017	31.50	0.02							1.0
MESJ	HN	160	333	AML		2017	33.69		7	0.1					

April 14 2011 Hour: 15:41 31.7 Lat: 36.67N Lon: 7.38W Depth: 20F Agency: IGL Regional
Magnitudes: 1.5ML 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	133	302	EP		1541	51.59	-0.21							1.0
MORF	HN	133	302	ES		1542	6.35	-0.15							1.0
MORF	HN	133	302	AML		1542	6.95		5	0.1					
MESJ	HZ	150	330	EP		1541	54.10	0.31							1.0
MESJ	HN	150	330	ES		1542	10.01	0.06							1.0
MESJ	HN	150	330	AML		1542	11.53		7	0.2					

April 14 2011 Hour: 20:50 18.8 Lat: 11.31N Lon: 86.25W Depth: 56F Agency: IGL Distant
Magnitudes: 5.5MS IGL Rms: 0.2 secs

NEAR COAST OF NICARAGUA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8124	53	EP		21	1	42.88	0.21						1.0
GGNV	BZ	8124	53	AMS		2129	27.72		3221	22.7					
MORF	BZ	8171	54	EP		21	1	45.06	-0.21						1.0
MORF	BZ	8171	54	AMS		2129	23.98		2517	19.9					
MESJ	BZ	8207	54	EP		21	1	47.14	0.01						1.0
MESJ	BZ	8207	54	AMS		2129	27.05		3009	19.0					

April 15 2011 Hour: 2: 6 27.0 Lat: 15.27S Lon: 173.24W Depth: 10F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17129	28	EP			226	18.06	0.14							1.0
MESJ	BZ17129	28	AMS			329	10.93		2993	21.0					
MORF	BZ17155	29	EP			226	18.16	-0.14							1.0
MORF	BZ17155	29	AMS			328	54.47		2583	21.1					

April 15 2011 Hour: 3:18 32.6 Lat: 36.60N Lon: 23.01E Depth: 40F Agency: IGL Distant
Magnitudes: 4.8MB IGL Rms: 0.0 secs

SOUTHERN GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2763	282	EP		323	51.28	0.03							1.0
MESJ	BZ	2763	282	AMB		323	57.48		43	1.2					

April 15 2011 Hour: 21:46 24.4 Lat: 18.60S Lon: 175.29W Depth:216F Agency: IGL Distant
Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17555	28	EP			22	5	54.35	0.08						1.0
MORF	BZ17581	29	EP			22	5	54.54	-0.08						1.0

April 15 2011 Hour: 22:37 55.0 Lat: 38.22N Lon: 8.95W Depth: 1 Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

NW MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	77	123	EP		2238		7.35	-0.01						1.0
MESJ	HE	77	123	ES		2238		16.39	-0.01						1.0
MESJ	HE	77	123	AML		2238		17.91		1	0.3				
MORF	HN	105	165	ES		2238		24.25	0.03						1.0
MORF	HN	105	165	AML		2238		25.78		3	0.3				

April 16 2011 Hour: 2:19 28.9 Lat: 36.40N Lon: 139.68E Depth: 59F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.2 secs

EASTERN HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11162	335	EP			233		8.80	-0.21						1.0
MESJ	BZ11162	335	AMS			323		16.42		895	21.4				
MORF	BZ11232	335	EP			233		12.06	0.21						1.0
MORF	BZ11232	335	AMS			325		17.31		780	18.7				

April 16 2011 Hour: 2:22 8.7 Lat: 38.78N Lon: 7.96W Depth: 6F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.3 secs

NE ARRAIOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	68	308	EP		222		19.72	0.02						1.0
ALMR	SE	68	308	ES		222		27.82	0.11						1.0
ALMR	SN	68	308	AML		222		29.33		79	0.3				
MESJ	HZ	107	192	EP		222		26.12	0.18						1.0
MESJ	HE	107	192	ES		222		38.46	-0.03						1.0
MESJ	HN	107	192	AML		222		39.92		25	0.2				
MORF	HZ	174	201	EP		222		34.74	-0.55						1.0
MORF	HE	174	201	ES		222		54.91	0.24						1.0
MORF	HE	174	201	AML		222		55.85		3	0.3				

April 16 2011 Hour: 16: 6 30.5 Lat: 38.84N Lon: 8.71W Depth: 4F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

SE BENAVENTE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	119	159	EP		16	6	49.60	-0.07						1.0
MESJ	HN	119	159	ES		16	7	3.73	0.07						1.0
MESJ	HN	119	159	AML		16	7	4.44		2	0.2				

April 16 2011 Hour: 22:28 3.3 Lat: 36.66N Lon: 7.47W Depth: 19F 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
MESJ	HZ	147	333	EP		2228		25.09	-0.10						1.0
MESJ	HN	147	333	ES		2228		41.26	0.10						1.0
MESJ	HN	147	333	AML		2228		42.14		3	0.4				

April 17 2011 Hour: 1:24 34.0 Lat: 27.67S Lon: 63.29W Depth:570F Agency: IGL Distant
Magnitudes: 4.7MB IGL Rms: 0.0 secs

SANTIAGO DEL ESTERO, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9246	41	EP		136		0.48	-0.03						1.0
MESJ	BZ	9246	41	AMb		136		1.57		61	1.2				

April 17 2011 Hour: 1:58 50.0 Lat: 27.59S Lon: 63.25W Depth:563F Agency: IGL Distant
 Magnitudes: 5.4MB IGL Rms: 0.0 secs
 SANTIAGO DEL ESTERO, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9168	41	EP		210	13.71	-0.05							1.0
MORF	BZ	9168	41	AMb		210	15.54			186	1.8				
MESJ	BZ	9236	41	EP		210	16.80	0.04							1.0
MESJ	BZ	9236	41	AMb		210	19.28			211	1.6				
GGNV	BZ	9244	40	EP		210	17.06	0.01							1.0
GGNV	BZ	9244	40	AMb		210	19.74			235	1.8				
ALMR	SZ	9313	40	EP		210	20.16	0.00							1.0
ALMR	SZ	9313	40	AMb		210	22.09			1299	1.0				

April 17 2011 Hour: 2:14 50.7 Lat: 37.87N Lon: 9.51W Depth: 32F Agency: IGL Regional
 Magnitudes: 1.6ML IGL Rms: 0.2 secs
 NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	98	129	EP		215	5.62	-0.08							1.0
MORF	HE	98	129	ES		215	16.45	-0.20							1.0
MORF	HN	98	129	AML		215	17.01			17	0.1				
MESJ	HZ	114	91	EP		215	7.64	0.08							1.0
MESJ	HE	114	91	ES		215	20.07	0.20							1.0
MESJ	HN	114	91	AML		215	21.00			10	0.3				

April 17 2011 Hour: 2:37 13.9 Lat: 27.61S Lon: 63.28W Depth:564F Agency: IGL Distant
 Magnitudes: 4.3MB IGL Rms: 0.0 secs
 SANTIAGO DEL ESTERO, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9240	41	EP		248	40.74	0.02							1.0
MESJ	BZ	9240	41	AMb		248	45.09			40	1.9				

April 17 2011 Hour: 3:12 23.2 Lat: 38.98N Lon: 7.54W Depth: 6F Agency: IGL Regional
 Magnitudes: 1.4ML IGL Rms: 0.1 secs
 SW MONFORTE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	140	205	EP		3 1	45.30	-0.07							1.0
MESJ	HN	140	205	ES		3 2	1.64	0.07							1.0
MESJ	HN	140	205	AML		3 2	2.12			6	0.2				

April 17 2011 Hour: 18:29 41.8 Lat: 37.22N Lon: 8.52W Depth: 20F Agency: IGL Regional
 Magnitudes: 1.0ML IGL Rms: 0.1 secs
 NW SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	310	EP		1829	45.68	-0.16							1.0
MORF	HN	15	310	ES		1829	48.78	0.02							1.0
MORF	HN	15	310	AML		1829	49.11			34	0.2				
MESJ	HZ	74	21	EP		1829	53.97	0.19							1.0
MESJ	HN	74	21	ES		1830	2.47	-0.04							1.0
MESJ	HN	74	21	AML		1830	3.26			5	0.2				

April 18 2011 Hour: 2:12 6.5 Lat: 35.95N Lon: 10.31W Depth: 28F 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	211	44	EP		212	35.78	0.07							1.0
MORF	HN	211	44	ES		212	56.97	-0.08							1.0
MORF	HN	211	44	AML		212	57.71			35	0.3				
MESJ	HZ	280	41	EP		212	44.19	-0.08							1.0
MESJ	HN	280	41	ES		213	11.94	0.09							1.0
MESJ	HE	280	41	AML		213	13.95			18	0.1				

April 18 2011 Hour: 2:15 27.2 Lat: 38.42N Lon: 7.96W Depth: 3F Agency: IGL Regional
 Magnitudes: 0.5ML 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	68	200	EP		215	38.40	0.12							1.0
MESJ	HE	68	200	ES		215	46.22	-0.12							1.0
MESJ	HE	68	200	AML		215	47.09			2	0.3				

April 18 2011 Hour: 5:13 1.6 Lat: 37.30N Lon: 8.57W Depth: 10F Agency: IGL Regional
 Magnitudes: 1.9ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	276	EP		513	3.47	-0.18							1.0
MORF	HE	7	276	ES		513	5.26	0.11							1.0
MORF	HE	7	276	AML		513	5.55			843	0.1				
MESJ	HZ	67	27	EP		513	12.64	0.06							1.0
MESJ	HE	67	27	ES		513	20.62	0.01							1.0
MESJ	HN	67	27	AML		513	21.00			36	0.1				

April 18 2011 Hour: 11:5 1.3 Lat: 36.56N Lon: 11.17W Depth: 3F Agency: IGL Regional
 Magnitudes: 3.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	239	69	EP		11	5	36.05	-0.11						1.0
MORF	HN	239	69	ES		11	6	1.76	0.11						1.0
MORF	HN	239	69	AML		11	6	3.98		247	0.2				
MESJ	HZ	298	61	EP		11	5	43.36	-0.06						1.0
MESJ	HE	298	61	ES		11	6	14.36	0.16						1.0
MESJ	HE	298	61	AML		11	6	15.19		74	0.5				
GGNV	HE	299	36	ES		11	6	14.31	0.01						1.0
GGNV	HN	299	36	AML		11	6	15.98		149	0.2				
ALMR	SZ	368	38	EP		11	5	51.96	-0.10						0.9
ALMR	SE	368	38	ES		11	6	29.13	-0.02						0.9
ALMR	SE	368	38	AML		11	6	30.36		94	0.2				

April 18 2011 Hour: 13:3 4.1 Lat: 34.35S Lon: 179.85E Depth: 91F Agency: IGL Distant
 Rms: 0.2 secs

SOUTH OF KERMADEC ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ19076	56	EP			1323	1.67	0.31							0.9
GGNV	BZ19076	56	EPP			1328	14.31	-0.01							1.0
MORF	BZ19181	64	EP			1323	1.66	-0.23							0.9
MORF	BZ19181	64	EPP			1328	18.91	-0.14							1.0
MESJ	BZ19193	60	EP			1323	1.98	0.10							1.0
MESJ	BZ19193	60	EPP			1328	19.51	-0.01							1.0

April 18 2011 Hour: 23:56 40.2 Lat: 37.30N Lon: 8.57W Depth: 12F Agency: IGL Regional
 Magnitudes: 0.3ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	276	EP		2356	42.51	-0.05							1.0
MORF	HN	7	276	ES		2356	44.32	0.05							1.0
MORF	HN	7	276	AML		2356	44.88			14	0.2				

April 19 2011 Hour: 17:40 18.4 Lat: 36.25N Lon: 10.58W Depth: 31F Agency: IGL Regional
 Magnitudes: 3.3ML 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	208	55	EP		1740	47.32	0.28							1.0
MORF	HE	208	55	ES		1741	7.95	-0.01							1.0
MORF	HN	208	55	AML		1741	9.44			227	0.4				
MESJ	HZ	274	49	EP		1740	55.33	0.14							1.0
MESJ	HN	274	49	ES		1741	22.03	-0.03							1.0

MESJ	HN	274	49	AML		1741	23.37			76	0.3						
GGNV	HE	302	24	ES		1741	27.89-0.02										1.0
GGNV	HN	302	24	AML		1741	28.96			170	0.4						
ALMR	SZ	368	28	EP		1741	6.47-0.33										0.9
ALMR	SN	368	28	ES		1741	42.05-0.09										0.9
ALMR	SE	368	28	AML		1741	43.32			97	0.2						

April 20 2011 Hour: 3:40 3.1 Lat: 36.40N Lon: 9.83W Depth: 22F Agency: IGL Regional
Magnitudes: 3.4ML 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	146	46	EP		340	24.63	0.08							1.0
MORF	HN	146	46	ES		340	40.29	0.06							1.0
MORF	HN	146	46	AML		340	42.43			648	0.3				
MESJ	HZ	214	41	EP		340	33.08	0.00							1.0
MESJ	HE	214	41	ES		340	54.99	0.00							1.0
MESJ	HN	214	41	AML		340	57.22			187	0.2				
GGNV	HE	264	13	ES		341	5.76	0.15							0.9
GGNV	HN	264	13	AML		341	7.26			410	0.2				
ALMR	SZ	325	19	EP		340	46.57-0.25								0.9
ALMR	SN	325	19	ES		341	18.68-0.08								0.9
ALMR	SN	325	19	AML		341	19.48			70	0.1				

April 20 2011 Hour: 5:47 26.8 Lat: 36.61N Lon: 9.76W Depth: 12F 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	52	EP		547	46.59	0.11							1.0
MORF	HE	125	52	ES		548	0.82-0.04								1.0
MORF	HN	125	52	AML		548	1.68			10	0.0				
MESJ	HZ	193	45	EP		547	54.97-0.04								1.0
MESJ	HE	193	45	ES		548	15.58-0.03								1.0
MESJ	HE	193	45	AML		548	16.34			3	0.1				

April 20 2011 Hour: 8:9 3.4 Lat: 37.34N Lon: 8.49W Depth: 10F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.2 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	255	EP		8 9	6.07-0.23								1.0
MORF	HN	15	255	ES		8 9	8.49	0.06							1.0
MORF	HE	15	255	AML		8 9	8.87			1409	0.3				
MESJ	HZ	60	23	EP		8 9	13.18-0.06								1.0
MESJ	HN	60	23	ES		8 9	20.69	0.24							1.0
MESJ	HE	60	23	AML		8 9	22.29			98	0.2				

April 20 2011 Hour: 21:46 57.5 Lat: 37.24N Lon: 13.44W Depth: 0F Agency: IGL Regional
Magnitudes: 1.6ML 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	424	88	EP		2147	55.79	0.12							1.0
MESJ	HN	466	80	ES		2148	46.65-0.13								1.0
MESJ	HE	466	80	AML		2148	49.43			1	0.3				

April 21 2011 Hour: 13:14 47.6 Lat: 37.38N Lon: 8.93W Depth: 20F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	26	108	EP		1314	52.71-0.16								1.0
MORF	HN	26	108	ES		1314	56.75	0.07							1.0
MORF	HE	26	108	AML		1314	57.12			23	0.1				
MESJ	HZ	81	51	EP		1315	0.63-0.04								1.0
MESJ	HE	81	51	ES		1315	10.31	0.14							1.0
MESJ	HE	81	51	AML		1315	10.85			5	0.1				

April 21 2011 Hour: 13:28 22.3 Lat: 36.92N Lon: 7.80W Depth: 27F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	87	300	ES		1328	46.18	-0.02							1.0
MORF	HN	87	300	AML		1328	46.62			7	0.2				
MESJ	HZ	109	340	EP		1328	38.68	-0.08							1.0
MESJ	HN	109	340	ES		1328	50.91	0.10							1.0
MESJ	HN	109	340	AML		1328	51.48			3	0.3				

April 21 2011 Hour: 13:37 4.0 Lat: 35.62N Lon: 140.45E Depth: 43F Agency: IGL Distant
Magnitudes: 6.0MS IGL Rms: 0.3 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	BZ11217	336	EPP			1354	56.45	0.05							1.0
GGNV	BN11217	336	AMS			1438	56.20			4771	17.9				
MESJ	BZ11270	335	EP			1350	50.58	0.24							1.0
MESJ	BZ11270	335	EPP			1355	0.17	0.11							1.0
MESJ	BZ11270	335	AMS			1440	57.56			4978	17.0				
MORF	BZ11340	335	EP			1350	53.28	0.10							1.0
MORF	BZ11340	335	EPP			1355	4.34	-0.50							1.0
MORF	BE11340	335	AMS			1440	30.74			3515	26.9				

April 22 2011 Hour: 0:6 29.9 Lat: 36.61N Lon: 7.38W Depth: 16F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	137	305	ES		0 7	6.25	0.15							1.0
MORF	HN	137	305	AML		0 7	7.27			9	0.4				
MESJ	HZ	155	332	EP		0 6	53.07	0.00							1.0
MESJ	HE	155	332	ES		0 7	9.86	-0.15							1.0
MESJ	HE	155	332	AML		0 7	11.57			4	0.2				

April 22 2011 Hour: 0:10 15.9 Lat: 37.42N Lon: 2.30W Depth: 0 Agency: IGL Regional
Magnitudes: 0.0MS IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	525	277	EP		011	26.31	0.03							1.0
MORF	HZ	563	271	EP		011	30.90	-0.03							1.0

April 22 2011 Hour: 6:19 36.9 Lat: 37.32N Lon: 8.61W Depth: 16F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	4	247	EP		619	39.66	0.02							1.0
MORF	HN	4	247	ES		619	41.59	-0.02							1.0
MORF	HN	4	247	AML		619	41.96			19	0.2				

April 22 2011 Hour: 10:50 5.6 Lat: 37.33N Lon: 8.62W Depth: 9F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	4	226	EP		1050	7.23	-0.07							1.0
MORF	HN	4	226	ES		1050	8.54	0.03							1.0
MORF	HN	4	226	AML		1050	8.94			56	0.2				
MESJ	HZ	67	32	EP		1050	16.54	0.04							1.0

April 22 2011 Hour: 14:11 24.5 Lat: 32.26N Lon: 7.65W Depth: 25F Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	567	351	EP		1412	37.69	0.03							1.0

April 22 2011 Hour: 17:14 48.1 Lat: 22.70S Lon: 174.63W Depth: 1F Agency: IGL Distant
Magnitudes: 5.5MS IGL Rms: 0.1 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17778		35	EP		1734	48.00	-0.10							1.0
GGNV	BZ17778		35	AMS		1841	26.31			822	22.9				
MESJ	BZ17905		35	EP		1734	49.47	0.06							1.0
MESJ	BZ17905		35	EPP		1739	15.52	0.15							1.0
MESJ	BZ17905		35	AMS		1858	52.88			603	19.7				
MORF	BZ17923		37	EP		1734	49.54	-0.10							1.0
MORF	BZ17923		37	AMS		1845	44.79			733	16.9				

April 22 2011 Hour: 19: 1 36.9 Lat: 42.42N Lon: 8.44W Depth: 8F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	508	178	EP		19 2	44.51	0.05							1.0
MORF	HZ	567	182	EP		19 2	51.61	-0.05							1.0

April 22 2011 Hour: 20:31 11.5 Lat: 36.76N Lon: 7.16W Depth: 17F Agency: IGL Regional
Magnitudes: 1.5ML 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
MESJ	HZ	152	322	EP		2031	34.05	-0.19							1.0
MESJ	HE	152	322	ES		2031	51.00	0.19							1.0
MESJ	HN	152	322	AML		2031	51.45			6	0.2				

April 22 2011 Hour: 21: 1 56.8 Lat: 36.58N Lon: 7.83W Depth: 15F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	109	318	EP		21 2	14.01	0.03							1.0

April 22 2011 Hour: 22:46 21.5 Lat: 37.36N Lon: 8.46W Depth: 11F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	18	251	EP		2246	24.93	-0.05							1.0
MORF	HN	18	251	ES		2246	27.40	-0.09							1.0
MORF	HE	18	251	AML		2246	27.93			40	0.2				
MESJ	HZ	57	22	EP		2246	31.10	0.15							1.0

April 23 2011 Hour: 1:38 56.2 Lat: 36.70N Lon: 7.32W Depth: 24F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	136	300	EP		139	16.22	-0.14							1.0
MORF	HN	136	300	ES		139	30.98	-0.10							1.0
MORF	HN	136	300	AML		139	31.49			16	0.3				
MESJ	HZ	150	328	EP		139	18.08	0.10							1.0
MESJ	HE	150	328	ES		139	34.03	0.14							1.0
MESJ	HE	150	328	AML		139	34.86			10	0.1				

April 23 2011 Hour: 1:52 20.7 Lat: 37.32N Lon: 8.64W Depth: 14F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.2 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	2	212	EP		152	22.82	-0.26							1.0
MORF	HN	2	212	ES		152	24.95	0.16							1.0
MORF	HN	2	212	AML		152	25.24			21	0.1				
MESJ	HZ	69	33	EP		152	31.88	0.08							1.0
MESJ	HN	69	33	ES		152	39.91	0.02							1.0
MESJ	HN	69	33	AML		152	40.78			3	0.3				

April 23 2011 Hour: 4:16 55.3 Lat: 10.35S Lon: 161.23E Depth: 82F Agency: IGL Distant
Magnitudes: 6.7MS IGL Rms: 0.0 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	16686	344	EP		436	30.51	0.07							1.0
GGNV	BZ	16749	345	EP		436	31.24	-0.06							1.0
GGNV	BZ	16749	345	AMS		549	4.92			12792	19.0				
MESJ	BZ	16811	343	EP		436	32.21	0.01							1.0
MESJ	BZ	16811	343	AMS		547	0.85			11984	18.3				
MORF	BZ	16880	343	EP		436	33.17	-0.02							1.0
MORF	BZ	16880	343	AMS		550	44.29			10165	18.7				

April 23 2011 Hour: 9:26 20.6 Lat: 38.70N Lon: 8.48W Depth: 1F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

NW VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	51	351	EP		926	28.66	-0.18							1.0
ALMR	SN	51	351	ES		926	34.70	-0.17							1.0
ALMR	SN	51	351	AML		926	35.62			47	0.2				
MESJ	HZ	98	167	EP		926	36.49	0.07							1.0
MESJ	HE	98	167	ES		926	48.00	0.01							1.0
MESJ	HN	98	167	AML		926	49.54			30	0.1				
MORF	HZ	155	186	EP		926	45.37	0.08							1.0
MORF	HE	155	186	ES		927	3.54	0.22							1.0
MORF	HN	155	186	AML		927	5.66			31	0.1				

April 23 2011 Hour: 10:12 50.0 Lat: 39.16N Lon: 142.89E Depth: 39F Agency: IGL Distant
Magnitudes: 5.7MS IGL Rms: 0.1 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
MESJ	BZ	10995	337	EP		1026	25.93	0.08							1.0
MESJ	BN	10995	337	ES		1037	0.59	-0.08							1.0
MESJ	BE	10995	337	AMS		1111	40.31			2589	19.7				

April 23 2011 Hour: 13:28 48.9 Lat: 35.68N Lon: 1.56W Depth: 0F Agency: IGL Regional
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	641	294	EP		1330	13.35	0.03							1.0

April 23 2011 Hour: 19:55 4.8 Lat: 37.35N Lon: 13.90W Depth: 3F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	465	89	EP		1956	7.41	-0.24							1.0
MORF	HE	465	89	ES		1956	53.29	-0.27							1.0
MORF	HN	465	89	AML		1956	55.03			36	0.1				
MESJ	HZ	505	82	EP		1956	12.44	0.07							1.0
MESJ	HE	505	82	ES		1957	1.73	-0.01							1.0
MESJ	HN	505	82	AML		1957	6.60			17	0.5				
ALMR	SZ	507	65	EP		1956	12.94	0.26							1.0
ALMR	SE	507	65	ES		1957	2.48	0.21							1.0

ALMR SN 507 65 AML 1957 6.44 33 0.7

April 24 2011 Hour: 1:54 17.8 Lat: 39.13N Lon: 10.28W Depth: 31F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	230	128	EP		154	49.20	0.06							1.0
MESJ	HN	230	128	ES		155	11.93	-0.06							1.0
MESJ	HN	230	128	AML		155	13.32			3	0.5				

April 24 2011 Hour: 10: 5 56.1 Lat: 37.36N Lon: 7.54W Depth: 3F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

SW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	80	312	EP		10	6	8.89	-0.20						1.0
MESJ	HN	80	312	ES		10	6	18.56	0.01						1.0
MESJ	HN	80	312	AML		10	6	19.60		72	0.2				
MORF	HZ	99	267	EP		10	6	12.09	0.03						1.0
MORF	HE	99	267	ES		10	6	23.72	0.04						1.0
MORF	HN	99	267	AML		10	6	25.71		77	0.2				
ALMR	SN	219	336	ES		10	6	52.22	0.13						0.9
ALMR	SN	219	336	AML		10	6	53.27		17	0.2				

April 24 2011 Hour: 10:22 34.6 Lat: 37.33N Lon: 7.58W Depth: 10F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

SW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	80	315	EP		1022	47.56	0.07							1.0
MESJ	HN	80	315	ES		1022	56.84	-0.07							1.0
MESJ	HN	80	315	AML		1022	58.52			9	0.1				

April 25 2011 Hour: 7:49 2.0 Lat: 35.88N Lon: 4.96W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	363	308	EP		749	52.48	-0.02							1.0
MESJ	HE	363	308	ES		750	29.22	-0.15							1.0
MESJ	HE	363	308	AML		750	30.48			3	0.2				
MORF	HZ	366	297	EP		749	52.96	0.03							1.0
MORF	HE	366	297	ES		750	30.25	0.14							1.0
MORF	HE	366	297	AML		750	32.09			8	0.2				

April 25 2011 Hour: 12:53 8.4 Lat: 37.01N Lon: 8.86W Depth: 21F 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	38	29	EP		1253	15.15	-0.05							1.0
MESJ	HZ	108	31	EP		1253	25.17	-0.08							1.0
MESJ	HE	108	31	ES		1253	37.70	0.13							1.0
MESJ	HE	108	31	AML		1253	38.65			5	0.2				

April 26 2011 Hour: 19:50 46.3 Lat: 36.57N Lon: 9.77W Depth: 29F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	50	EP		1951	5.25	-0.02							1.0
MORF	HN	129	50	ES		1951	19.03	-0.05							1.0
MORF	HN	129	50	AML		1951	19.94			26	0.2				
MESJ	HZ	197	44	EP		1951	13.62	-0.07							1.0
MESJ	HZ	197	44	IP		1951	13.65								
MESJ	HN	197	44	ES		1951	33.79	0.14							1.0
MESJ	HN	197	44	AML		1951	34.84			6	0.3				

April 26 2011 Hour: 23:58 16.3 Lat: 36.38N Lon: 8.95W Depth: 4F 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	106	14	EP		2358	33.50	0.10							1.0
MORF	HN	106	14	ES		2358	45.75	-0.17							1.0
MORF	HN	106	14	AML		2358	48.73			17	0.4				
MESJ	HZ	174	22	EP		2358	43.06	0.07							1.0

April 27 2011 Hour: 0: 6 12.4 Lat: 38.70N Lon: 8.48W Depth: 3F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.2 secs

NW VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	51	351	EP		0 6	20.35	-0.31							1.0
ALMR	SN	51	351	ES		0 6	26.64	-0.06							1.0
ALMR	SN	51	351	AML		0 6	27.35			139	0.2				
MESJ	HZ	98	167	EP		0 6	28.27	0.03							1.0
MESJ	HE	98	167	ES		0 6	39.95	0.15							1.0
MESJ	HN	98	167	AML		0 6	40.84			57	0.2				
MORF	HZ	155	186	EP		0 6	37.05	0.17							1.0
MORF	HN	155	186	ES		0 6	54.82	0.05							1.0
MORF	HN	155	186	AML		0 6	57.17			47	0.1				

April 27 2011 Hour: 1: 3 0.6 Lat: 36.48N Lon: 5.95W Depth: 11F Agency: IGL Regional
Magnitudes: 0.0ML 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	252	308	EP		1 3	36.23	0.00							1.0
MORF	HZ	258	292	EP		1 3	36.96	0.00							1.0

April 27 2011 Hour: 7: 9 28.1 Lat: 36.62N Lon: 7.54W Depth: 20F 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	148	336	EP		7 9	49.94	-0.12							1.0
MESJ	HE	148	336	ES		710	6.20	0.12							1.0
MESJ	HE	148	336	AML		710	7.07			2	0.3				

April 27 2011 Hour: 10:39 28.4 Lat: 36.61N Lon: 9.81W Depth: 12F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	196	45	EP		1039	56.95	-0.04							1.0
MESJ	HE	196	45	ES		1040	17.92	0.04							1.0
MESJ	HE	196	45	AML		1040	19.54			2	0.2				

April 27 2011 Hour: 19:56 57.4 Lat: 35.90N Lon: 10.40W Depth: 31F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	221	45	EP		1957	27.50	-0.10							1.0
MORF	HE	221	45	ES		1957	49.83	0.16							1.0
MORF	HE	221	45	AML		1957	50.45			58	0.3				
MESJ	HZ	290	41	EP		1957	35.99	-0.15							1.0
MESJ	HN	290	41	ES		1958	4.53	0.09							1.0
MESJ	HE	290	41	AML		1958	5.81			22	0.2				

April 27 2011 Hour: 23:44 55.1 Lat: 38.70N Lon: 8.48W Depth: 1 Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs
NW VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	98	167	EP		2345	10.82	-0.15							1.0
MESJ	HE	98	167	ES		2345	22.68	0.15							1.0
MESJ	HE	98	167	AML		2345	23.56			1	0.1				

April 28 2011 Hour: 1:19 50.4 Lat: 39.26N Lon: 9.32W Depth: 1 Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.4 secs
NW LOURINHA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	65	100	EP		120	0.53	-0.40							1.0
ALMR	SN	65	100	ES		120	9.02	0.40							1.0
ALMR	SE	65	100	AML		120	10.22			8	0.3				

April 28 2011 Hour: 9:21 40.4 Lat: 35.52N Lon: 5.53W Depth: 1 Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs
MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	343	306	ES		923	3.60	0.16							1.0
MORF	HE	343	306	AML		923	4.90			4	0.2				
MESJ	HZ	353	318	EP		922	29.59	0.06							1.0
MESJ	HN	353	318	ES		923	5.14	-0.23							1.0
MESJ	HN	353	318	AML		923	5.58			2	0.3				

April 28 2011 Hour: 13: 4 27.8 Lat: 32.33N Lon: 7.66W Depth: 0 Agency: IGL Regional
MOROCCO Net: MAD Rms: 0.2 secs

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	560	351	EP		13 5	42.32	-0.17							1.0
MESJ	HZ	614	355	EP		13 5	49.19	0.19							1.0

April 28 2011 Hour: 13: 7 44.8 Lat: 10.22N Lon: 103.58W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3MS IGL Rms: 0.1 secs
NORTHERN EAST PACIFIC RISE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9769	53	EP		1320	34.31	-0.06							1.0
MORF	BZ	9769	53	AMS		1356	6.52			1246	21.7				
MESJ	BZ	9795	52	EP		1320	35.33	-0.09							1.0
MESJ	BN	9795	52	ES		1331	3.14	0.15							1.0
MESJ	BZ	9795	52	AMS		1357	21.01			1232	17.7				

April 28 2011 Hour: 20:43 5.4 Lat: 37.41N Lon: 9.12W Depth: 10F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs
NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	105	EP		2043	12.54	0.03							1.0
MORF	HN	43	105	ES		2043	17.71	-0.03							1.0
MORF	HE	43	105	AML		2043	18.23			3	0.1				
MESJ	HZ	93	59	EP		2043	20.23	0.05							1.0
MESJ	HN	93	59	ES		2043	30.96	-0.04							1.0
MESJ	HN	93	59	AML		2043	31.33			2	0.4				

April 28 2011 Hour: 22:41 34.8 Lat: 38.70N Lon: 8.47W Depth: 1 Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.2 secs
N VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
ALMR	SZ	51	350	EP		2241	43.48	0.43							1.0
ALMR	SN	51	350	ES		2241	49.07	-0.02							1.0
ALMR	SN	51	350	AML		2241	50.41			17	0.2				
MESJ	HZ	98	167	EP		2241	50.25	-0.32							1.0
MESJ	HN	98	167	ES		2242	2.02	-0.09							1.0

MESJ HN	98	167	AML	2242	4.46				10	0.1							
MORF HE	155	186	ES	2242	17.48	-0.02											1.0
MORF HE	155	186	AML	2242	19.83				4	0.2							

April 29 2011 Hour: 2:52 55.7 Lat: 37.27N Lon: 7.48W Depth: 0 Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.2 secs

NW CASTRO MARIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		91	314	EP		253	10.61	0.26							1.0
MESJ HE		91	314	ES		253	20.92	-0.13							1.0
MESJ HE		91	314	AML		253	22.15		1	0.4					
MORF HE		104	273	ES		253	24.54	-0.13							1.0
MORF HN		104	273	AML		253	25.33		1	0.1					

April 29 2011 Hour: 8:27 24.2 Lat: 37.32N Lon: 8.57W Depth: 13F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		7	258	EP		827	26.52	-0.15							1.0
MORF HE		7	258	ES		827	28.55	0.07							1.0
MORF HE		7	258	AML		827	28.93		35	0.2					
MESJ HZ		65	28	EP		827	34.77	-0.02							1.0
MESJ HN		65	28	ES		827	42.62	0.10							1.0
MESJ HN		65	28	AML		827	43.65		1	0.2					

April 29 2011 Hour: 19:31 26.1 Lat: 36.52N Lon: 7.73W Depth: 10F 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
MORF HZ		120	317	EP		1931	45.01	-0.02							1.0
MESJ HZ		153	344	EP		1931	49.48	-0.01							1.0
MESJ HE		153	344	ES		1932	6.62	0.04							1.0
MESJ HE		153	344	AML		1932	10.22		3	0.2					

April 29 2011 Hour: 23:24 59.8 Lat: 39.59N Lon: 1.20W Depth: 10F 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
MORF HZ		698	251	EP		2326	30.21	0.06							1.0
MORF HE		698	251	ES		2327	36.00	-0.06							1.0

April 30 2011 Hour: 5:52 35.6 Lat: 38.71N Lon: 8.45W Depth: 1F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

NE VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		99	168	EP		552	51.51	0.03							1.0
MESJ HN		99	168	ES		553	3.08	-0.03							1.0
MESJ HN		99	168	AML		553	4.17		0.80	0.1					

April 30 2011 Hour: 8:19 16.9 Lat: 6.88N Lon: 82.29W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7MS IGL Rms: 0.3 secs

SOUTH OF PANAMA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV BZ		8079	52	EP		830	44.72	0.17							1.0
GGNV BN		8079	52	ES		840	10.54	0.42							1.0
GGNV BN		8079	52	AMS		853	17.14		5560	18.9					
MORF BZ		8110	53	EP		830	46.00	-0.26							1.0
MORF BE		8110	53	ES		840	13.24	-0.14							1.0
MORF BZ		8110	53	AMS		857	33.38		5503	23.3					
MESJ BZ		8152	53	EP		830	48.65	0.18							1.0
MESJ BE		8152	53	ES		840	17.27	-0.36							1.0
MESJ BZ		8152	53	AMS		855	59.91		4180	25.4					

April 30 2011 Hour: 17:17 8.5 Lat: 36.22N Lon: 6.02W Depth: 1 Agency: IGL Regional
Magnitudes: 1.7ML 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	265	313	EP		1717	46.75	0.03							1.0
MESJ	HE	265	313	ES		1718	14.62	-0.03							1.0
MESJ	HN	265	313	AML		1718	16.99			4	0.4				

April 30 2011 Hour: 19:22 33.2 Lat: 38.55N Lon: 7.97W Depth: 16F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

SW EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	82	196	EP		1922	46.26	-0.01							1.0
MESJ	HN	82	196	ES		1922	55.85	0.01							1.0
MESJ	HN	82	196	AML		1922	56.71			2	0.3				

April 30 2011 Hour: 21:51 57.9 Lat: 36.93N Lon: 8.62W Depth: 28F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	42	356	EP		2152	5.76	0.04							1.0
MORF	HE	42	356	ES		2152	11.33	-0.07							1.0
MORF	HE	42	356	AML		2152	12.16			86	0.2				
MESJ	HZ	107	19	EP		2152	14.23	0.06							1.0
MESJ	HE	107	19	ES		2152	26.00	-0.02							1.0
MESJ	HE	107	19	AML		2152	27.02			8	0.2				