

Seismological Bulletin

from the

IGIDL Seismic Network

July to August

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

July 1 2011 Hour: 2:11 34.9 Lat: 37.72N Lon: 8.36W Depth: 14F Agency: IGL Regional
Magnitudes: 0.6ML 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	18	43	EP		211	38.59	0.02							1.0
MESJ	HN	18	43	ES		211	41.29	0.03							1.0
MESJ	HE	18	43	AML		211	41.87			11	0.1				
MORF	HZ	53	209	EP		211	43.65	0.08							1.0
MORF	HN	53	209	ES		211	49.79	-0.12							1.0
MORF	HN	53	209	AML		211	50.93			4	0.1				

July 1 2011 Hour: 4:51 6.5 Lat: 35.46N Lon: 4.05W Depth: 0F Agency: IGL Regional
Magnitudes: 2.5ML 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	457	306	EP		452	8.92	0.25							1.0
MESJ	HE	457	306	ES		452	53.86	-0.17							1.0
MESJ	HN	457	306	AML		452	58.13			8	0.2				
MORF	HZ	461	298	EP		452	9.12	-0.07							1.0
MORF	HN	461	298	ES		452	54.92	-0.01							1.0
MORF	HN	461	298	AML		452	59.79			15	0.0				

July 1 2011 Hour: 5:57 6.7 Lat: 36.24N Lon: 7.99W Depth: 23F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	132	334	EP		557	26.25	-0.15							1.0
MESJ	HZ	179	353	EP		557	32.17	0.03							1.0
MESJ	HE	179	353	ES		557	50.86	0.13							1.0
MESJ	HN	179	353	AML		557	53.48			18	0.2				

July 1 2011 Hour: 8:23 1.4 Lat: 35.24N Lon: 11.39W Depth: 30F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	405	44	EP		823	54.35	-0.07							1.0
MESJ	HN	405	44	ES		824	33.20	0.07							1.0
MESJ	HN	405	44	AML		824	35.81			2	0.2				

July 1 2011 Hour: 13:18 51.0 Lat: 13.15N Lon: 146.68E Depth: 42F Agency: IGL Distant
Magnitudes: 5.1MS IGL Rms: 0.0 secs
MARIANA ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13810	336	EP			1337	44.56	0.02							1.0
MESJ	BZ13810	336	EPP			1339	29.23	-0.02							1.0
MESJ	BZ13810	336	AMS			1434	0.90			522	24.5				

July 1 2011 Hour: 16:25 45.9 Lat: 6.69S Lon: 147.93E Depth: 17F Agency: IGL Distant
Magnitudes: 5.6MS IGL Rms: 0.1 secs
EASTERN NEW GUINEA REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15826	329	EP			1645	16.60	-0.10							1.0
MESJ	BZ15826	329	EPP			1648	23.42	0.09							1.0
MESJ	BZ15826	329	AMS			1752	41.04			1036	20.5				
MORF	BZ15896	328	EP			1645	17.86	0.01							1.0
MORF	BZ15896	328	AMS			1753	31.67			1120	18.8				

July 1 2011 Hour: 19:34 16.0 Lat: 34.33N Lon: 9.78W Depth: 29F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	346	17	EP		1935	1.74	-0.09							1.0
MORF	HN	346	17	ES		1935	35.05	-0.25							1.0
MORF	HE	346	17	AML		1935	35.89			28	0.3				
MESJ	HZ	414	19	EP		1935	10.34	0.13							1.0
MESJ	HE	414	19	ES		1935	50.03	0.23							1.0
MESJ	HN	414	19	AML		1935	52.93			26	0.2				

July 1 2011 Hour: 20:28 22.2 Lat: 37.29N Lon: 8.58W Depth: 11F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

SW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	286	EP		2028	24.34	-0.03							1.0
MORF	HN	7	286	ES		2028	25.97	0.03							1.0
MORF	HN	7	286	AML		2028	26.50			16	0.3				

July 2 2011 Hour: 4:21 7.8 Lat: 36.70N Lon: 11.00W 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	220	71	EP		421	39.56	-0.02							1.0
MORF	HN	220	71	ES		422	2.78	0.02							1.0
MORF	HN	220	71	AML		422	4.06			11	0.3				
MESJ	HZ	277	62	EP		421	46.61	-0.08							1.0
MESJ	HN	277	62	ES		422	15.13	0.08							1.0
MESJ	HN	277	62	AML		422	16.96			3	0.2				

July 2 2011 Hour: 9:52 50.1 Lat: 36.53N Lon: 4.56W Depth: 71F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	355	295	EP		953	36.94	0.21							1.0
MESJ	HE	355	295	ES		954	10.54	-0.20							1.0
MESJ	HN	355	295	AML		954	12.32			18	0.2				
MORF	HZ	374	284	EP		953	38.95	-0.06							1.0
MORF	HN	374	284	ES		954	14.73	0.04							1.0
MORF	HN	374	284	AML		954	15.68			42	0.5				

July 2 2011 Hour: 19:44 1.8 Lat: 35.85N Lon: 4.81W Depth: 9F Agency: IGL Regional
Magnitudes: 2.6ML 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	376	307	EP		1944	53.00	0.01							1.0
MORF	HZ	380	296	EP		1944	53.49	-0.03							1.0
MORF	HN	380	296	ES		1945	31.32	0.02							1.0
MORF	HN	380	296	AML		1945	33.34			16	0.2				

July 2 2011 Hour: 21:30 45.5 Lat: 36.65N Lon: 26.55E Depth: 135F Agency: IGL Distant
Magnitudes: 4.5MB IGL Rms: 0.0 secs

DODECANESE ISLANDS, GREECE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3071	283	EP		2136	20.28	0.02							1.0
MESJ	BZ	3071	283	AMB		2136	24.76			35	1.9				

July 3 2011 Hour: 0:23 40.5 Lat: 35.49N Lon: 4.04W Depth: 0F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	456	306	EP		024	42.51	-0.01							1.0

July 3 2011 Hour: 6:34 40.6 Lat: 12.48N Lon: 87.59W Depth: 65F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.2 secs

NEAR THE COAST OF NICARAGUA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8162	53	EP		646	5.79	0.32							1.0
GGNV	BE	8162	53	AMS		715	53.19			1473	20.8				
MORF	BZ	8214	55	EP		646	8.43	0.11							1.0
MORF	BE	8214	55	ES		655	35.16	-0.14							1.0
MORF	BZ	8214	55	AMS		713	37.00			1800	20.8				
MESJ	BZ	8249	54	EP		646	9.87	-0.20							1.0
MESJ	BE	8249	54	ES		655	38.59	-0.09							1.0
MESJ	BZ	8249	54	AMS		717	16.70			943	22.3				

July 4 2011 Hour: 22:49 9.9 Lat: 38.81N Lon: 9.85W Depth: 17F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

NW CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	62	99	ES		2249	27.41	0.07							1.0
GGNV	HN	62	99	AML		2249	29.98			98	0.0				
MESJ	HZ	179	127	EP		2249	35.79	-0.08							0.9
MESJ	HE	179	127	ES		2249	55.01	0.17							0.9
MESJ	HN	179	127	AML		2249	56.95			4	0.2				
MORF	HZ	197	147	EP		2249	38.04	-0.18							0.9

July 5 2011 Hour: 11:37 7.3 Lat: 37.39N Lon: 3.47W Depth: 0F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.2 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	422	278	EP		1138	4.98	-0.15							1.0
MORF	HN	459	270	ES		1138	55.36	0.16							1.0
MORF	HN	459	270	AML		1138	56.05			5	0.2				

July 5 2011 Hour: 12:30 33.5 Lat: 38.12N Lon: 8.14W Depth: 6F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	32	193	EP		1230	38.74	0.02							1.0
MESJ	HE	32	193	ES		1230	42.53	-0.02							1.0
MESJ	HE	32	193	AML		1230	43.44			33	0.5				

July 6 2011 Hour: 1:57 46.9 Lat: 37.00N Lon: 9.14W Depth: 30F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	55	52	EP		157	56.50	-0.03							1.0
MESJ	HZ	124	41	EP		158	5.00	-0.11							1.0
MESJ	HE	124	41	ES		158	18.52	0.14							1.0
MESJ	HN	124	41	AML		158	19.92			2	0.2				

July 6 2011 Hour: 4:21 5.3 Lat: 36.79N Lon: 9.71W Depth: 21F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	110	58	EP		421	22.53	0.03							1.0
MORF	HN	110	58	ES		421	35.02	-0.02							1.0
MORF	HE	110	58	AML		421	35.86			47	0.2				
MESJ	HZ	176	48	EP		421	30.60	-0.04							1.0

MESJ HE 176 48 ES 421 49.15 0.02 1.0
 MESJ HN 176 48 AML 421 50.44 13 0.2

July 6 2011 Hour: 10:51 59.6 Lat: 37.22N Lon: 14.08W Depth: 19F 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	482	87	EP		1053	2.77	-0.10							1.0
MORF	HE	482	87	ES		1053	48.86	-0.22							1.0
MORF	HN	482	87	AML		1053	51.54			39	0.1				
MESJ	HZ	523	81	EP		1053	7.93	0.14							1.0
MESJ	HE	523	81	ES		1053	57.79	0.20							1.0
MESJ	HN	523	81	AML		1054	2.20			22	0.3				

July 6 2011 Hour: 15:14 58.9 Lat: 36.38N Lon: 141.61E Depth: 10F 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
GGNV	BZ11180	337	337	EP		1528	46.65	0.22							1.0
GGNV	BN11180	337	337	AMS		1616	51.42			3891	21.8				
MESJ	BZ11236	336	336	EP		1528	48.54	-0.15							1.0
MESJ	BZ11236	336	336	AMS		1620	9.39			3840	22.2				
MORF	BZ11305	336	336	EP		1528	51.31	-0.21							1.0
MORF	BZ11305	336	336	EPP		1533	2.00	0.13							1.0
MORF	BE11305	336	336	AMS		1618	23.95			3172	14.5				

July 6 2011 Hour: 19:3 22.0 Lat: 29.26S Lon: 176.28W Depth: 40F Agency: IGL Distant
Magnitudes: 7.9MS IGL Rms: 0.1 secs

KERMADEC ISLANDS REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18439	45	45	EP		1923	21.68	-0.05							1.0
GGNV	BZ18439	45	45	EPP		1928	8.92	0.05							1.0
GGNV	BZ18439	45	45	AMS		2034	56.32			275000	19.5				
MESJ	BZ18562	46	46	EP		1923	22.51	-0.14							1.0
MESJ	BZ18562	46	46	EPP		1928	14.72	0.09							1.0
MESJ	BZ18562	46	46	AMS		2034	53.24			156000	25.3				
MORF	BZ18566	49	49	EP		1923	22.77	0.04							1.0
MORF	BZ18566	49	49	EPP		1928	14.86	0.01							1.0
MORF	BZ18566	49	49	AMS		2033	34.84			197000	24.0				

July 6 2011 Hour: 22:29 27.7 Lat: 36.89N Lon: 3.92W Depth: 59F 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	395	287	EP		2230	18.94	-0.03							1.0
MESJ	HN	395	287	ES		2230	56.42	0.03							1.0
MESJ	HN	395	287	AML		2230	58.07			2	0.6				

July 8 2011 Hour: 2:19 4.7 Lat: 37.34N Lon: 9.30W Depth: 6F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	58	94	EP		219	14.08	-0.02							1.0
MORF	HE	58	94	ES		219	20.99	0.06							1.0
MORF	HE	58	94	AML		219	21.75			25	0.2				
MESJ	HZ	110	60	EP		219	22.47	0.01							1.0
MESJ	HN	110	60	ES		219	35.36	-0.04							1.0
MESJ	HN	110	60	AML		219	36.09			2	0.1				

July 8 2011 Hour: 5:22 39.8 Lat: 0.10N Lon: 123.28E Depth:152F Agency: IGL Distant
Rms: 0.0 secs
MINAHASA, SULAWESI, INDONESIA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ13533 316 EP 541 15.07-0.03 1.0
 MORF BZ13595 316 EP 541 16.24 0.03 1.0

July 8 2011 Hour: 5:53 3.0 Lat: 0.91N Lon: 26.40W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4MB IGL
CENTRAL MID-ATLANTIC RIDGE Net: CSEM
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF BZ 4425 22 EP 6 0 35.85-0.19 1.0
 MORF BZ 4425 22 AMb 6 0 40.71 111 1.0
 MESJ BZ 4495 22 EP 6 0 41.04-0.18 1.0
 MESJ BZ 4495 22 AMb 6 0 45.33 80 1.6
 MESJ BN 4495 22 ES 6 6 50.63 0.20 1.0
 GGNV BZ 4543 21 EP 6 0 44.84 0.08 1.0
 GGNV BZ 4543 21 AMb 6 0 51.13 123 2.6
 GGNV BN 4543 21 ES 6 6 56.91 0.09 1.0

July 8 2011 Hour: 21:41 29.1 Lat: 36.10N Lon: 12.12W Depth: 10F Agency: IGL Regional
Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 338 66 EP 2142 15.46-0.01 1.0
 MESJ HZ 397 60 EP 2142 22.86 0.01 1.0

July 9 2011 Hour: 4:14 36.5 Lat: 36.55N Lon: 7.61W Depth: 25F Agency: IGL Regional
Magnitudes: 1.6ML IGL
STRAIT OF GIBRALTAR Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 153 339 EP 414 58.62 0.05 1.0
 MESJ HN 153 339 ES 415 14.64-0.05 1.0
 MESJ HN 153 339 AML 415 16.31 7 0.2

July 9 2011 Hour: 6:53 46.7 Lat: 21.22S Lon: 174.49W Depth: 14F Agency: IGL Distant
Magnitudes: 5.8MS IGL
TONGA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ17634 33 EP 713 43.15 0.16 1.0
 GGNV BZ17634 33 AMS 823 13.61 1626 17.6
 MESJ BZ17761 33 EP 713 44.37 0.00 1.0
 MESJ BZ17761 33 AMS 824 23.58 1164 19.9
 MORF BZ17781 34 EP 713 44.47-0.17 1.0
 MORF BZ17781 34 AMS 824 48.77 1297 22.1

July 9 2011 Hour: 13:54 20.0 Lat: 29.39S Lon: 177.12W Depth: 19F Agency: IGL Distant
Magnitudes: 6.1MS IGL
KERMADEC ISLANDS, NEW ZEALAND Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ18506 44 EP 1414 23.37 0.04 1.0
 GGNV BE18506 44 AMS 1537 36.51 2435 13.3
 MESJ BZ18631 45 EP 1414 24.14-0.08 1.0
 MESJ BE18631 45 ESS 1440 5.94 0.12 1.0
 MESJ BZ18631 45 AMS 1527 53.73 1902 16.4
 MORF BZ18636 48 EP 1414 24.32 0.01 1.0
 MORF BE18636 48 ESS 1440 6.35-0.10 1.0
 MORF BZ18636 48 AMS 1527 47.57 1685 21.2

July 9 2011 Hour: 15: 2 30.3 Lat: 29.33S Lon: 177.06W Depth: 23F Agency: IGL Distant
Rms: 0.1 secs

KERMADEC ISLANDS, NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18622		45	EP		1522	33.73	-0.11							1.0

July 9 2011 Hour: 19: 2 55.0 Lat: 7.43S Lon: 128.61E Depth:151F Agency: IGL Distant
Rms: 0.0 secs

KEPULAUAN BARAT DAYA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14540		314	EP		1921	47.65	0.04							1.0

July 9 2011 Hour: 19:35 21.2 Lat: 29.36S Lon: 176.98W Depth: 22F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.2 secs

KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18494		44	EP		1955	24.01	0.02							1.0
GGNV	BZ18494		44	AMS		2110	5.34			2314	19.7				
MESJ	BZ18619		45	EP		1955	25.13	0.24							1.0
MESJ	BZ18619		45	AMS		21 8	52.02			2390	19.2				
MORF	BZ18624		48	EP		1955	24.71	-0.27							1.0
MORF	BZ18624		48	AMS		21 9	58.64			2039	15.5				

July 10 2011 Hour: 0:57 12.9 Lat: 38.04N Lon: 143.29E Depth: 18F Agency: IGL Distant
Magnitudes: 7.5MS 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	BZ11065		338	EP		110	54.63	0.07							1.0
GGNV	BZ11065		338	EPP		114	58.37	0.15							1.0
GGNV	BN11065		338	ES		121	32.34	0.26							1.0
GGNV	BE11065		338	AMS		152	22.58			192000	23.3				
MESJ	BZ11124		337	EP		110	56.58	-0.39							1.0
MESJ	BZ11124		337	EPP		115	1.99	-0.33							1.0
MESJ	BN11124		337	ES		121	34.93	0.16							1.0
MESJ	BE11124		337	AMS		153	58.28			164000	25.2				
MORF	BZ11193		338	EP		110	59.85	0.06							1.0
MORF	BN11193		338	ES		121	37.89	-0.02							1.0
MORF	BE11193		338	AMS		154	25.35			231000	22.5				

July 10 2011 Hour: 22:54 21.4 Lat: 38.35N Lon: 1.03W Depth: 11F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	633	267	EP		2255	43.63	-0.08							1.0
MESJ	HE	633	267	ES		2256	43.75	-0.07							1.0
MESJ	HE	633	267	AML		2256	48.08			17	0.9				
MORF	HZ	681	263	EP		2255	49.67	0.17							1.0

July 11 2011 Hour: 7:15 44.3 Lat: 29.48S Lon: 176.51W Depth: 10F Agency: IGL Distant
Magnitudes: 6.3MS IGL Rms: 0.2 secs

KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18472		45	EP		735	48.83	-0.16							1.0
GGNV	BZ18472		45	AMS		848	28.76			4929	16.7				
MESJ	BZ18596		46	EP		735	50.13	0.24							1.0
MESJ	BZ18596		46	AMS		850	25.36			3691	19.7				
MORF	BZ18599		49	EP		735	49.89	-0.08							1.0
MORF	BZ18599		49	AMS		852	50.43			3539	21.3				

July 11 2011 Hour: 10:48 31.1 Lat: 22.68S Lon: 174.72W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7MS 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	BZ17782		34	EPP		1112	50.97	0.08							1.0
GGNV	BZ17782		34	AMS		1214	46.70			1431	28.4				
MESJ	BZ17908		34	EP		11 8	30.83	-0.08							1.0
MESJ	BZ17908		34	EPP		1112	57.04	-0.03							1.0
MESJ	BZ17908		34	AMS		1216	19.05			1063	25.9				
MORF	BZ17927		36	EP		11 8	31.16	0.02							1.0
MORF	BZ17927		36	EPP		1112	57.99	0.00							1.0
MORF	BZ17927		36	AMS		1218	42.10			1706	21.8				

July 11 2011 Hour: 20:47 5.0 Lat: 9.50N Lon: 122.21E Depth: 20F Agency: IGL Distant
Magnitudes: 6.4MS IGL Rms: 0.1 secs
NEGROS, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12686		319	EP		21 5	42.55	0.12							1.0
MESJ	BZ12686		319	EPP		21 6	36.31	-0.03							1.0
MESJ	BN12686		319	ESS		2122	26.52	-0.04							1.0
MESJ	BZ12686		319	AMS		22 4	22.92			9749	22.1				
GGNV	BZ12697		320	EP		21 5	42.51	-0.06							1.0
GGNV	BZ12697		320	EPP		21 6	36.86	-0.10							1.0
GGNV	BE12697		320	AMS		22 0	7.23			10970	19.0				
MORF	BZ12752		318	EP		21 5	43.63	0.03							1.0
MORF	BZ12752		318	EPP		21 6	40.61	0.07							1.0
MORF	BE12752		318	ESS		2122	34.37	0.02							1.0
MORF	BZ12752		318	AMS		22 4	31.88			9363	15.7				

July 12 2011 Hour: 0:48 8.4 Lat: 38.00N Lon: 8.35W Depth: 8F Agency: IGL Regional
Magnitudes: 0.8ML 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		21	147	EP		048	12.10	0.03						1.0
MESJ	HE		21	147	ES		048	14.72	-0.03						1.0
MESJ	HE		21	147	AML		048	14.98			22	0.2			

July 13 2011 Hour: 4:13 0.1 Lat: 37.96N Lon: 9.32W Depth: 6F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
W SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ		94	141	EP		413	15.04	-0.17						1.0
MORF	HN		94	141	ES		413	26.42	0.17						1.0
MORF	HE		94	141	AML		413	27.83			31	0.2			
MESJ	HZ		98	98	EP		413	15.76	-0.11						1.0
MESJ	HN		98	98	ES		413	27.51	0.12						1.0
MESJ	HN		98	98	AML		413	28.82			22	0.2			

July 13 2011 Hour: 13:43 25.7 Lat: 35.92N Lon: 4.84W Depth: 2F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ		369	306	EP		1344	16.74	-0.01						1.0
MESJ	HE		369	306	ES		1344	54.06	0.01						1.0
MESJ	HE		369	306	AML		1344	55.83			3	0.1			

July 13 2011 Hour: 19:41 39.8 Lat: 36.88N Lon: 11.08W Depth: 28F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ		221	77	EP		1942	10.33	0.06						1.0
MORF	HN		221	77	ES		1942	32.34	-0.15						1.0
MORF	HN		221	77	AML		1942	33.91			34	0.2			

MESJ HZ	275	66	EP	1942	16.97	0.06											1.0
MESJ HN	275	66	ES	1942	44.01	0.03											1.0
MESJ HN	275	66	AML	1942	45.59					7	0.1						

July 14 2011 Hour: 1:53.1 Lat: 36.51N Lon: 9.74W Depth: 10F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	131	47	EP			1	5	52.84	0.08						1.0
MESJ HZ	200	42	EP			1	6	1.31	-0.04						1.0
MESJ HE	200	42	ES			1	6	22.67	-0.05						1.0
MESJ HE	200	42	AML			1	6	24.93		1	0.3				

July 14 2011 Hour: 18:32 53.1 Lat: 36.65N Lon: 9.69W Depth: 19F 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	118	51	EP			1833	11.35	-0.03							1.0
MORF HN	118	51	ES			1833	24.77	0.05							1.0
MORF HN	118	51	AML			1833	25.62			8	0.1				
MESJ HZ	186	44	EP			1833	19.68	-0.09							1.0
MESJ HN	186	44	ES			1833	39.31	0.07							1.0
MESJ HE	186	44	AML			1833	40.17			2	0.1				

July 15 2011 Hour: 0:55 47.5 Lat: 24.14S Lon: 175.25W Depth: 43F Agency: IGL Distant
Magnitudes: 5.3MS IGL Rms: 0.1 secs

SOUTH OF TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ18070	36	EP				115	43.95	0.10							1.0
MESJ BZ18070	36	AMS				224	42.36			401	24.1				
MORF BZ18086	38	EP				115	43.96	-0.10							1.0
MORF BZ18086	38	AMS				225	11.41			427	18.9				

July 15 2011 Hour: 9:28 41.5 Lat: 37.87N Lon: 1.62W Depth: 6F Agency: IGL Regional
Magnitudes: 2.2ML 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	581	272	EP			929	58.02	-0.02							1.0
MESJ HE	581	272	ES			930	53.95	0.02							1.0
MESJ HN	581	272	AML			930	57.77			4	0.2				

July 15 2011 Hour: 13:26 3.1 Lat: 60.72S Lon: 23.67W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3MS IGL Rms: 0.1 secs

SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ10931	12	EP				1339	41.43	-0.01							1.0
MORF BN10931	12	ES				1350	19.36	-0.06							1.0
MORF BZ10931	12	AMS				1414	25.22			998	19.5				
MESJ BZ10995	12	EP				1339	44.13	0.20							1.0
MESJ BN10995	12	ES				1350	22.19	-0.02							1.0
MESJ BN10995	12	ESS				1358	3.81	-0.09							1.0
MESJ BZ10995	12	AMS				1420	8.02			907	15.6				

July 15 2011 Hour: 14:55 29.7 Lat: 20.95S Lon: 68.33W Depth: 87F Agency: IGL Distant
Magnitudes: 4.9MB IGL Rms: 0.1 secs

POTOSI, BOLIVIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ 8978	44	EP				15	7	33.52	0.10						1.0
MORF BZ 8978	44	AMb				15	7	36.32		59	2.1				
MORF BN 8978	44	ES				1517	34.28	-0.20							1.0
MESJ BZ 9043	44	EP				15	7	36.57	0.10						1.0
MESJ BZ 9043	44	AMb				15	7	39.09		38	1.6				

July 15 2011 Hour: 18:23 12.5 Lat: 36.94N Lon: 2.00W Depth: 11F Agency: IGL Regional
Rms: 0.0 secs

WESTERN MEDITERRANEAN SEA Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	560	282	EP		1824	25.94	0.03							1.0

July 15 2011 Hour: 19:44 23.4 Lat: 35.81N Lon: 9.99W Depth: 31F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	205	35	EP		1944	51.64	-0.02							1.0
MORF	HE	205	35	ES		1945	12.32	0.06							1.0
MORF	HE	205	35	AML		1945	12.77			16	0.2				
MESJ	HZ	275	35	EP		1945	0.38	0.02							1.0
MESJ	HE	275	35	ES		1945	27.24	-0.06							1.0
MESJ	HN	275	35	AML		1945	29.22			4	0.3				

July 16 2011 Hour: 0:26 14.0 Lat: 33.80S Lon: 72.07W Depth: 23F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.1 secs

OFFSHORE VALPARAISO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10244	46	EP			039	21.39	0.00							1.0
MORF	BZ10244	46	EPP			043	1.05	-0.30							0.9
MORF	BE10244	46	ES			049	52.93	0.16							1.0
MORF	BZ10244	46	AMS			120	4.08			7706	18.9				
MESJ	BZ10312	45	EP			039	24.18	0.04							1.0
MESJ	BZ10312	45	EPP			043	6.14	0.04							1.0
MESJ	BN10312	45	ES			049	56.02	-0.09							1.0
MESJ	BZ10312	45	AMS			120	13.12			6670	17.1				
GGNV	BZ10317	44	EP			039	24.38	0.13							1.0
GGNV	BE10317	44	ES			049	56.24	-0.03							1.0
GGNV	BZ10317	44	AMS			119	18.67			4319	17.3				

July 16 2011 Hour: 7:3 36.9 Lat: 22.43S Lon: 175.02W Depth: 36F Agency: IGL Distant
Magnitudes: 6.1MS 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
MESJ	BZ17902	34	EP			723	32.39	-0.09							1.0
MESJ	BZ17902	34	AMS			833	6.35			1680	16.6				
MORF	BZ17922	35	EP			723	32.82	0.09							1.0
MORF	BZ17922	35	AMS			833	51.84			2698	18.3				

July 16 2011 Hour: 18:38 51.4 Lat: 52.86N Lon: 108.47E Depth: 9F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.2 secs

LAKE BAYKAL REGION, RUSSIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8222	314	EP		1850	27.22	0.01							1.0
MESJ	BZ	8257	313	EP		1850	29.31	0.20							1.0
MESJ	BZ	8257	313	AMb		1850	31.44			54	1.5				
MORF	BZ	8327	313	EP		1850	32.64	-0.21							1.0
MORF	BZ	8327	313	AMb		1850	34.52			66	1.2				

July 16 2011 Hour: 19:6 30.1 Lat: 37.38N Lon: 9.69W Depth: 21F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	92	95	EP		19	6	44.91	0.03						1.0
MORF	HN	92	95	ES		19	6	55.45	-0.18						1.0
MORF	HE	92	95	AML		19	6	56.65		26	0.1				
MESJ	HZ	139	68	EP		19	6	50.98	0.06						1.0
MESJ	HN	139	68	ES		19	7	6.18	0.10						1.0
MESJ	HN	139	68	AML		19	7	8.35		7	0.2				

July 16 2011 Hour: 19:59 15.0 Lat: 54.90N Lon: 161.27W Depth: 48F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.2 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9301	22	EP		2011	38.55	0.22							1.0
GGNV	BN	9301	22	ES		2021	56.46	-0.16							1.0
GGNV	BZ	9301	22	AMS		2047	22.53		11565	22.8					
MESJ	BZ	9417	21	EP		2011	43.81	0.18							1.0
MESJ	BN	9417	21	ES		2022	3.19	-0.23							1.0
MESJ	BZ	9417	21	AMS		2048	17.50		7813	24.2					
MORF	BZ	9464	22	EP		2011	46.05	0.24							1.0
MORF	BN	9464	22	ES		2022	5.96	-0.26							1.0
MORF	BZ	9464	22	AMS		2048	15.94		12900	24.1					

July 16 2011 Hour: 20:31 16.5 Lat: 36.36N Lon: 8.61W Depth: 16F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	105	358	EP		2031	33.07	-0.04							1.0
MORF	HN	105	358	ES		2031	45.30	0.05							1.0
MORF	HE	105	358	AML		2031	45.89		20	0.2					
MESJ	HZ	168	12	EP		2031	41.11	-0.09							1.0
MESJ	HE	168	12	ES		2031	59.33	0.07							1.0
MESJ	HE	168	12	AML		2032	0.92		10	0.1					

July 17 2011 Hour: 5:20 38.0 Lat: 37.15N Lon: 3.76W Depth: 0 Agency: IGL Regional
Magnitudes: 0.0MS 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	401	282	EP		521	33.27	-0.09							1.0
MORF	HZ	434	274	EP		521	37.52	0.09							1.0

July 17 2011 Hour: 6:5 45.5 Lat: 36.55N Lon: 7.16W Depth: 18F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	157	303	EP		6 6	8.62	-0.19							1.0
MORF	HN	157	303	ES		6 6	25.72	-0.07							1.0
MORF	HN	157	303	AML		6 6	26.50		52	0.2					
MESJ	HZ	171	327	EP		6 6	10.73	0.19							1.0
MESJ	HN	171	327	ES		6 6	28.85	0.07							1.0
MESJ	HN	171	327	AML		6 6	30.28		52	0.3					

July 17 2011 Hour: 15:39 7.3 Lat: 36.95N Lon: 9.20W Depth: 26F 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	63	51	EP		1539	17.84	0.01							1.0
MORF	HN	63	51	ES		1539	25.57	0.08							1.0
MORF	HN	63	51	AML		1539	26.01		29	0.2					
MESJ	HZ	131	41	EP		1539	26.74	0.00							1.0
MESJ	HN	131	41	ES		1539	40.82	-0.09							1.0
MESJ	HE	131	41	AML		1539	41.64		3	0.2					

July 18 2011 Hour: 2:26 11.7 Lat: 34.33N Lon: 4.27W Depth: 20F Agency: IGL Regional
Magnitudes: 0.0MS IGL Rms: 0.3 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	527	319	EP		227	20.66	0.27							1.0

July 18 2011 Hour: 4:58 51.1 Lat: 37.25N Lon: 8.56W Depth: 16F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	308	EP		458	54.08	-0.12							1.0
MORF	HN	10	308	ES		458	56.45	0.00							1.0
MORF	HN	10	308	AML		458	56.84			44	0.2				
MESJ	HZ	72	25	EP		459	2.85	0.13							1.0
MESJ	HN	72	25	ES		459	11.20	0.00							1.0
MESJ	HN	72	25	AML		459	12.04			4	0.2				

July 18 2011 Hour: 18:15 24.4 Lat: 52.77N Lon: 153.18E Depth: 499F Agency: IGL Distant
Magnitudes: 4.5MB IGL Rms: 0.0 secs

NORTHWEST OF KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9812	345	EP		1827	21.82	0.00							1.0
MESJ	BZ	9812	345	AMb		1827	23.46			52	2.5				

July 18 2011 Hour: 22:38 39.3 Lat: 51.18N Lon: 179.08E Depth: 18F Agency: IGL Distant
Magnitudes: 5.4MS IGL Rms: 0.2 secs

RAT ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10020		6	EP		2251	38.24	0.30							1.0
GGNV	BN10020		6	AMS		2329	31.01			1713	26.5				
MESJ	BZ10123		6	EP		2251	42.29	-0.03							1.0
MESJ	BN10123		6	ES		23	2	13.53	-0.12						1.0
MESJ	BN10123		6	ESS		23	8	45.54	-0.13						1.0
MESJ	BZ10123		6	AMS		2330	21.76			1333	26.6				
MORF	BZ10179		6	EP		2251	44.69	-0.02							1.0
MORF	BZ10179		6	AMS		2330	40.29			1777	19.1				

July 18 2011 Hour: 23:42 46.0 Lat: 36.39N Lon: 10.46W Depth: 1 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	191	57	EP		2343	15.02	-0.01							1.0
MORF	HN	191	57	ES		2343	36.22	0.00							1.0
MORF	HN	191	57	AML		2343	38.00			9	0.4				
MESJ	HZ	256	50	EP		2343	23.10	0.00							1.0
MESJ	HN	256	50	ES		2343	50.20	0.02							1.0
MESJ	HN	256	50	AML		2343	50.65			2	0.5				

July 19 2011 Hour: 3:14 12.2 Lat: 36.73N Lon: 11.30W Depth: 18F Agency: IGL Regional
Magnitudes: 2.1ML 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	244	74	EP		314	46.24	-0.05							1.0
MESJ	HZ	300	65	EP		314	53.14	0.01							1.0
MESJ	HE	300	65	ES		315	23.04	0.04							1.0
MESJ	HE	300	65	AML		315	24.22			8	0.2				

July 19 2011 Hour: 5:18 35.1 Lat: 36.75N Lon: 7.69W Depth: 23F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	130	339	EP		518	54.37	-0.10							1.0
MESJ	HN	130	339	ES		519	8.72	0.10							1.0
MESJ	HN	130	339	AML		519	10.01			4	0.2				

July 19 2011 Hour: 5:20 4.8 Lat: 37.25N Lon: 7.92W Depth: 10F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NE LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	65	276	EP		520	15.25	-0.19							1.0
MORF	HE	65	276	ES		520	23.37	0.16							1.0
MORF	HE	65	276	AML		520	25.06			24	0.3				
MESJ	HZ	71	338	EP		520	16.41	0.13							1.0
MESJ	HE	71	338	ES		520	24.57	-0.10							1.0
MESJ	HN	71	338	AML		520	26.41			10	0.2				

July 19 2011 Hour: 7:15 55.1 Lat: 23.56S Lon: 179.13E Depth: 552F Agency: IGL Distant
Rms: 0.1 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18295		22	EP		734	55.17	0.07							1.0
MORF	BZ18331		24	EP		734	55.36	-0.07							1.0

July 19 2011 Hour: 10:10 57.4 Lat: 36.95N Lon: 7.22W Depth: 8F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	133	288	ES		1011	33.82	-0.03							1.0
MESJ	HN	133	318	ES		1011	33.72	0.04							1.0
MORF	HE	133	288	AML		1011	35.14			10	0.2				
MESJ	HZ	133	318	EP		1011	18.34	-0.01							1.0
MESJ	HN	133	318	AML		1011	34.40			3	0.2				

July 19 2011 Hour: 19:35 41.9 Lat: 40.12N Lon: 71.46E Depth: 10F Agency: IGL Distant
Magnitudes: 6.0MS IGL Rms: 0.1 secs

KYRGYZSTAN Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6664	296	EP		1945	48.22	-0.08							1.0
MESJ	BN	6664	296	ES		1954	1.28	-0.09							1.0
MESJ	BZ	6664	296	AMS		2018	4.94			12343	16.8				
GGNV	BZ	6687	297	EP		1945	49.73	0.05							1.0
GGNV	BN	6687	297	ES		1954	4.03	0.06							1.0
GGNV	BZ	6687	297	AMS		2020	0.01			8717	18.2				
MORF	BZ	6726	296	EP		1945	52.28	0.08							1.0
MORF	BN	6726	296	ES		1954	8.65	-0.02							1.0
MORF	BZ	6726	296	AMS		2016	42.76			12672	21.0				

July 20 2011 Hour: 2:28 7.5 Lat: 36.00N Lon: 10.72W Depth: 31F 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
MESJ	HZ	302	47	EP		228	47.69	-0.05							1.0
MESJ	HN	302	47	ES		229	17.20	0.05							1.0
MESJ	HN	302	47	AML		229	18.42			3	0.4				

July 20 2011 Hour: 13:38 8.4 Lat: 37.26N Lon: 8.49W Depth: 15F Agency: IGL Regional
Magnitudes: 0.8ML 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	15	290	EP		1338	11.67	-0.22							1.0
MORF	HN	15	290	ES		1338	14.58	0.17							1.0
MORF	HN	15	290	AML		1338	15.32			20	0.1				
MESJ	HZ	69	20	EP		1338	19.60	0.08							1.0
MESJ	HN	69	20	ES		1338	27.58	-0.03							1.0
MESJ	HN	69	20	AML		1338	28.35			5	0.1				

July 20 2011 Hour: 15:51 30.1 Lat: 7.09N Lon: 82.31W Depth: 20F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.0 secs

SOUTH OF PANAMA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8097	53	EP		16	2	57.20	0.05						1.0
MORF	BZ	8097	53	AMb		16	2	59.35		52	2.0				
MESJ	BZ	8139	53	EP		16	2	59.31	-0.05						1.0
MESJ	BZ	8139	53	AMb		16	3	4.94		32	1.4				

July 20 2011 Hour: 17:51 11.5 Lat: 38.81N Lon: 8.10W Depth: 0 Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

NW ARRAILOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	108	186	EP		1751	28.95	0.02							1.0
MESJ	HE	108	186	ES		1751	41.65	-0.02							1.0
MESJ	HE	108	186	AML		1751	42.98			7	0.2				

July 20 2011 Hour: 18:49 52.3 Lat: 36.60N Lon: 9.70W Depth: 17F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	122	50	EP		1850	11.28	0.04							1.0
MORF	HE	122	50	ES		1850	25.09	-0.01							1.0
MORF	HN	122	50	AML		1850	26.00			22	0.0				
MESJ	HZ	190	43	EP		1850	19.67	-0.02							1.0
MESJ	HN	190	43	ES		1850	39.70	-0.01							1.0
MESJ	HE	190	43	AML		1850	40.68			6	0.1				

July 20 2011 Hour: 22: 5 0.1 Lat: 10.31S Lon: 162.15E Depth: 22F Agency: IGL Distant
Magnitudes: 5.8MS 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	BZ16770	346	346	EP		2224	44.22	0.02							1.0
GGNV	BZ16770	346	AMS			2338	46.44			1828	16.3				
MESJ	BZ16836	344	344	EP		2224	45.19	0.06							1.0
MESJ	BZ16836	344	AMS			2336	21.73			1000	22.4				
MORF	BZ16905	344	344	EP		2224	46.04	-0.08							1.0
MORF	BE16905	344	AMS			2339	38.11			1487	18.4				

July 21 2011 Hour: 13:55 54.7 Lat: 15.96S Lon: 25.99E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.0 secs

ZAMBIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6924	329	EP		14	6	16.78	0.04						1.0
MORF	BZ	6924	329	AMb		14	6	17.50		65	1.0				
MESJ	BZ	6947	330	EP		14	6	18.06	-0.04						1.0
MESJ	BZ	6947	330	AMb		14	6	19.70		53	1.4				

July 22 2011 Hour: 6:56 40.1 Lat: 20.23S Lon: 178.53W Depth: 601F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.1 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17739	24	24	EPP		719	56.28	-0.15							1.0
MESJ	BZ17864	24	24	EP		715	31.33	0.00							1.0
MESJ	BZ17864	24	24	EPP		720	2.32	-0.07							1.0
MESJ	BN17864	24	24	ESS		739	27.04	0.06							1.0
MORF	BZ17897	25	25	EP		715	32.01	0.30							0.9
MORF	BZ17897	25	25	EPP		720	3.91	-0.10							1.0

July 22 2011 Hour: 19:19 38.0 Lat: 36.41N Lon: 9.53W Depth: 18F Agency: IGL Regional
Magnitudes: 3.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	127	38	EP		1919	57.52	0.07							1.0
MORF	HN	127	38	ES		1920	11.75	0.08							1.0
MORF	HN	127	38	AML		1920	12.53		622	0.2					
MESJ	HZ	197	36	EP		1920	6.21	0.08							1.0
MESJ	HE	197	36	ES		1920	26.73	0.05							1.0
MESJ	HN	197	36	AML		1920	28.50		309	0.3					
GGNV	HZ	258	7	EP		1920	13.53	-0.21							0.9
GGNV	HN	258	7	ES		1920	39.77	-0.08							0.9
GGNV	HN	258	7	AML		1920	41.80		397	0.3					

July 23 2011 Hour: 2:56 53.9 Lat: 29.34S Lon: 69.77W Depth:121F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.0 secs

SAN JUAN, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9743	44	EP		3 9	28.41	-0.01							1.0
MORF	BZ	9743	44	AMb		3 9	35.45		80	1.9					
MESJ	BZ	9810	44	EP		3 9	31.22	0.01							1.0
MESJ	BZ	9810	44	AMb		3 9	34.81		29	1.9					

July 23 2011 Hour: 4:34 24.0 Lat: 38.93N Lon: 141.91E Depth: 39F Agency: IGL Distant
Magnitudes: 6.5MS 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	BZ10927	338	EP			447	56.86	-0.09							1.0
GGNV	BZ10927	338	AMS			536	51.10		18574	24.7					
MESJ	BZ10985	336	EP			447	59.41	-0.04							1.0
MESJ	BN10985	336	ES			458	34.30	0.07							1.0
MESJ	BZ10985	336	AMS			535	42.73		16351	25.5					
MORF	BZ11055	337	EP			448	2.36	0.09							1.0
MORF	BE11055	337	ES			458	37.41	-0.02							1.0
MORF	BZ11055	337	AMS			539	11.32		13843	19.9					

July 23 2011 Hour: 6:28 36.6 Lat: 54.95N Lon: 161.37W Depth: 45F Agency: IGL Distant
Magnitudes: 5.6MB IGL Rms: 0.1 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9298	22	EP		641	0.13	0.06							1.0
GGNV	BZ	9298	22	AMb		641	1.05		101	0.8					
MESJ	BZ	9414	21	EP		641	5.38	0.02							1.0
MESJ	BZ	9414	21	AMb		641	6.67		65	1.2					
MORF	BZ	9461	22	EP		641	7.47	-0.08							1.0
MORF	BZ	9461	22	AMb		641	9.74		167	1.4					

July 23 2011 Hour: 12:10 4.9 Lat: 37.21N Lon: 8.58W Depth: 9F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	330	EP		1210	7.34	-0.06							1.0
MORF	HN	12	330	ES		1210	9.31	0.06							1.0
MORF	HN	12	330	AML		1210	9.48		19	0.1					

July 24 2011 Hour: 8:9 6.9 Lat: 38.28N Lon: 7.03W Depth: 11F Agency: IGL Regional
Magnitudes: 1.6ML 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	115	246	EP		8 9	25.16	-0.01							1.0
MESJ	HN	115	246	ES		8 9	38.41	-0.06							1.0
MESJ	HN	115	246	AML		8 9	39.11		11	0.1					
MORF	HZ	179	234	EP		8 9	33.63	0.08							1.0

July 24 2011 Hour: 14:23 52.6 Lat: 37.32N Lon: 8.54W Depth: 12F Agency: IGL Regional
Magnitudes: 1.4ML 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	261	EP		1423	55.12	-0.07							1.0
MORF	HN	10	261	ES		1423	57.16	0.09							1.0
MORF	HN	10	261	AML		1423	57.67			139	0.2				
MESJ	HZ	64	26	EP		1424	2.99	-0.02							1.0

July 24 2011 Hour: 15:49 7.8 Lat: 14.80S Lon: 74.31W Depth: 97F Agency: IGL Distant
Magnitudes: 4.9MB IGL Rms: 0.0 secs
CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8961	47	EP		16 1	9.49	-0.02							1.0
MORF	BZ	8961	47	AMb		16 1	12.31			39	1.3				
MESJ	BZ	9022	47	EP		16 1	12.36	0.02							1.0
MESJ	BZ	9022	47	AMb		16 1	15.41			27	1.5				

July 24 2011 Hour: 18:51 25.0 Lat: 37.76N Lon: 141.54E Depth: 36F Agency: IGL Distant
Magnitudes: 6.3MS 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	BZ11036	337	337	EP		19 5	2.75	-0.06							1.0
GGNV	BZ11036	337	337	EPP		19 9	5.86	0.03							1.0
GGNV	BN11036	337	AMS			1952	37.12			10364	23.4				
MESJ	BZ11092	336	336	EP		19 5	5.12	0.01							1.0
MESJ	BZ11092	336	336	EPP		19 9	9.98	0.23							0.9
MESJ	BN11092	336	ES			1915	40.55	-0.15							1.0
MESJ	BN11092	336	ESS			1923	29.85	0.02							1.0
MESJ	BZ11092	336	AMS			1952	47.11			12407	26.6				
MORF	BZ11162	336	336	EP		19 5	7.94	0.00							1.0
MORF	BZ11162	336	336	EPP		19 9	14.45	-0.10							1.0
MORF	BE11162	336	336	ES		1915	43.98	0.12							1.0
MORF	BN11162	336	ESS			1923	38.57	-0.07							1.0
MORF	BZ11162	336	AMS			1951	40.41			9855	24.2				

July 25 2011 Hour: 0:50 51.3 Lat: 3.21S Lon: 150.67E Depth: 34F Agency: IGL Distant
Magnitudes: 6.5MS IGL Rms: 0.1 secs
NEW IRELAND REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15603	335	335	EP		110	15.75	-0.03							1.0
GGNV	BE15603	335	AMS			221	2.23			6913	15.9				
MESJ	BZ15639	333	333	EP		110	16.55	0.15							1.0
MESJ	BE15639	333	AMS			213	59.87			5702	18.0				
MORF	BZ15709	333	333	EP		110	17.46	-0.12							1.0
MORF	BZ15709	333	AMS			235	14.73			4914	11.9				

July 25 2011 Hour: 2:21 19.2 Lat: 36.45N Lon: 3.21W Depth: 1F Agency: IGL Regional
Magnitudes: 2.0ML 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	471	291	EP		222	22.94	-0.03							1.0
MESJ	HN	471	291	ES		223	9.55	0.03							1.0
MESJ	HN	471	291	AML		223	10.87			3	0.4				

July 25 2011 Hour: 2:59 13.5 Lat: 35.96N Lon: 9.81W Depth: 0 Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	182	34	EP		259	41.61	0.00							1.0
MORF	HE	182	34	ES		3 0	2.11	0.00							1.0
MORF	HE	182	34	AML		3 0	2.73			5	0.2				

July 25 2011 Hour: 17:15 41.1 Lat: 14.97N Lon: 120.12E Depth: 35F Agency: IGL Distant
Magnitudes: 5.7MS IGL Rms: 0.0 secs

LUZON, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12079	319	EP			1730	0.24	0.05							1.0
MESJ	BZ12079	319	EPP			1734	31.21	0.02							1.0
MESJ	BZ12079	319	AMS			1824	29.43			1793	22.9				
GGNV	BE12085	320	EPP			1734	31.52	0.00							1.0
GGNV	BE12085	320	AMS			1827	9.31			2704	22.7				
MORF	BZ12146	319	EP			1730	2.82	-0.06							1.0
MORF	BZ12146	319	EPP			1734	35.55	-0.01							1.0
MORF	BN12146	319	AMS			1823	28.93			1942	22.4				

July 25 2011 Hour: 18:25 12.1 Lat: 5.35S Lon: 76.56W Depth: 116F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.1 secs

NORTHERN PERU NET: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ 8455	50	EP			1836	46.60	0.06							1.0
MORF	BZ 8455	50	AMb			1836	48.20			83	1.4				
MESJ	BZ 8510	49	EP			1836	49.20	-0.06							1.0
MESJ	BZ 8510	49	AMb			1836	51.20			29	1.6				

July 25 2011 Hour: 18:31 25.2 Lat: 39.20N Lon: 10.28W Depth: 26F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.3 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ 235	129	EP			1831	57.62	0.16							1.0
MESJ	HN 235	129	ES			1832	21.40	0.41							1.0
MESJ	HN 235	129	AML			1832	22.11			7	0.2				
MORF	HZ 254	145	EP			1831	59.59	-0.30							1.0
MORF	HN 254	145	ES			1832	24.90	-0.29							1.0
MORF	HE 254	145	AML			1832	26.69			10	0.1				

July 25 2011 Hour: 19:18 20.8 Lat: 36.90N Lon: 11.06W Depth: 30F Agency: IGL Regional
Magnitudes: 2.0ML 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 219	77	EP			1918	50.83	-0.03							1.0
MORF	HE 219	77	ES			1919	12.80	0.02							1.0
MORF	HE 219	77	AML			1919	13.97			12	0.2				
MESJ	HZ 272	67	EP			1918	57.45	-0.02							1.0
MESJ	HN 272	67	ES			1919	24.25	0.03							1.0
MESJ	HN 272	67	AML			1919	26.95			6	0.4				

July 26 2011 Hour: 6:17 39.3 Lat: 52.98N Lon: 159.89E Depth: 44F Agency: IGL Distant
Magnitudes: 5.1MS IGL Rms: 0.1 secs

OFF EAST COAST OF KAMCHATKA, RUSSIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 9883	351	EP			630	28.50	-0.11							1.0
MORF	BZ 9946	351	EP			630	31.45	0.11							1.0

July 26 2011 Hour: 14:26 22.9 Lat: 9.23S Lon: 67.10E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1MS IGL Rms: 0.1 secs

MID-INDIAN RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 9374	310	EP			1438	54.84	0.01							1.0
MESJ	BN 9374	310	ES			1449	17.31	0.04							1.0
MESJ	BE 9374	310	AMS			1517	48.22			734	19.8				
MORF	BZ 9394	309	EP			1438	55.65	-0.15							1.0
MORF	BN 9394	309	ES			1449	18.63	0.09							1.0
MORF	BZ 9394	309	AMS			1512	17.20			913	22.7				

July 26 2011 Hour: 17:44 21.9 Lat: 25.19N Lon: 109.55W Depth: 10F Agency: IGL Distant
Magnitudes: 6.3MS IGL Rms: 0.1 secs

GULF OF CALIFORNIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9146	51	EP		1756	43.60	0.17							1.0
GGNV	BZ	9146	51	AMS		1831	25.40		11345	16.7					
MORF	BZ	9254	52	EP		1756	48.39	-0.20							1.0
MORF	BN	9254	52	ES		18 7	9.55	0.06							1.0
MORF	BN	9254	52	AMS		1827	49.49		11306	19.8					
MESJ	BZ	9262	51	EP		1756	48.81	-0.08							1.0
MESJ	BE	9262	51	ES		18 7	10.14	0.05							1.0
MESJ	BZ	9262	51	AMS		1834	4.30		13849	19.2					

July 26 2011 Hour: 23:31 17.0 Lat: 37.32N Lon: 8.57W Depth: 16F Agency: IGL Regional
Magnitudes: 0.7ML 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	7	258	EP		2331	19.87	0.02							1.0
MORF	HN	7	258	ES		2331	21.99	0.04							1.0
MORF	HN	7	258	AML		2331	22.84		41	0.2					
MESJ	HZ	65	28	EP		2331	27.62	0.02							1.0
MESJ	HN	65	28	ES		2331	35.29	-0.07							1.0
MESJ	HE	65	28	AML		2331	36.73		2	0.5					

July 27 2011 Hour: 2:26 45.3 Lat: 37.31N Lon: 7.88W Depth: 6F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NW S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	66	333	EP		226	55.89	-0.14							1.0
MESJ	HE	66	333	ES		227	3.91	0.08							1.0
MESJ	HN	66	333	AML		227	5.11		13	0.1					
MORF	HZ	68	270	EP		226	56.30	-0.11							1.0
MORF	HN	68	270	ES		227	4.66	0.17							1.0
MORF	HN	68	270	AML		227	5.58		29	0.4					

July 27 2011 Hour: 4:48 56.1 Lat: 35.89N Lon: 7.48W Depth: 18F Agency: IGL Regional
Magnitudes: 3.1ML 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	189	327	EP		449	23.10	-0.22							1.0
MORF	HN	189	327	ES		449	43.17	-0.02							1.0
MORF	HN	189	327	AML		449	44.47		181	0.3					
MESJ	HZ	226	343	EP		449	28.06	0.13							1.0
MESJ	HN	226	343	ES		449	51.26	0.11							1.0
MESJ	HE	226	343	AML		449	53.44		135	0.2					

July 27 2011 Hour: 23: 0 30.7 Lat: 10.76N Lon: 43.51W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9MB IGL Rms: 0.2 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4562	44	EP		23 8	13.75	-0.13							1.0
MORF	BZ	4562	44	AMb		23 8	18.17		200	1.5					
MORF	BZ	4562	44	EPP		23 9	48.44	0.17							1.0
MORF	BE	4562	44	ES		2314	26.78	-0.27							1.0
GGNV	BZ	4608	42	EP		23 8	17.15	-0.05							1.0
GGNV	BZ	4608	42	AMb		23 8	22.82		399	1.7					
GGNV	BZ	4608	42	EPP		23 9	52.85	0.17							1.0
GGNV	BE	4608	42	ES		2314	33.20	0.16							1.0
MESJ	BZ	4625	44	EP		23 8	18.43	-0.07							1.0
MESJ	BZ	4625	44	AMb		23 8	24.19		367	1.6					
MESJ	BZ	4625	44	EPP		23 9	54.58	0.20							1.0
MESJ	BE	4625	44	ES		2314	35.21	-0.18							1.0

July 28 2011 Hour: 3:32 42.4 Lat: 38.37N Lon: 7.97W Depth: 14F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 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	63	201	EP		332	52.63	-0.01							1.0
MESJ	HE	63	201	ES		333	0.10	0.01							1.0
MESJ	HN	63	201	AML		333	1.51			2	0.4				

July 28 2011 Hour: 9:1 38.0 Lat: 40.37N Lon: 143.25E Depth: 25F Agency: IGL Distant
Magnitudes: 5.7MS IGL Rms: 0.1 secs

OFF EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10821	339	EPP			919	5.52	-0.12							1.0
GGNV	BN10821	339	AMS			10 4	17.82			2134	18.2				
MESJ	BZ10882	338	EP			915	11.32	0.10							1.0
MESJ	BZ10882	338	EPP			919	9.94	0.03							1.0
MESJ	BN10882	338	ES			925	47.15	0.00							1.0
MESJ	BN10882	338	ESS			933	19.15	0.08							1.0
MESJ	BZ10882	338	AMS			10 4	13.78			2525	33.1				
MORF	BZ10951	338	EPP			919	14.61	-0.10							1.0
MORF	BE10951	338	AMS			959	28.19			3311	15.7				

July 28 2011 Hour: 11:58 29.6 Lat: 38.67N Lon: 8.46W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.3 secs

SE VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	60	275	ES		1158	46.10	-0.28							1.0
GGNV	HN	60	275	AML		1158	47.37			141	0.3				
MESJ	HZ	95	167	EP		1158	44.75	-0.09							1.0
MESJ	HE	95	167	ES		1158	55.89	-0.08							1.0
MESJ	HN	95	167	AML		1158	57.80			96	0.2				
MORF	HZ	152	186	EP		1158	54.52	0.53							1.0
MORF	HN	152	186	ES		1159	11.76	-0.05							1.0
MORF	HE	152	186	AML		1159	13.38			135	0.3				

July 28 2011 Hour: 13:59 59.6 Lat: 62.05N Lon: 151.29W Depth: 82F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.0 secs

CENTRAL ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8492	30	EP		1411	40.10	0.03							1.0
MORF	BZ	8492	30	AMb		1411	42.51			82	2.2				

July 28 2011 Hour: 16:13 52.1 Lat: 38.68N Lon: 8.48W Depth: 0 Agency: IGL Regional
Magnitudes: 1.4ML 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
MESJ	HZ	96	166	EP		1614	7.50	-0.04							1.0
MESJ	HN	96	166	ES		1614	18.76	-0.09							1.0
MESJ	HN	96	166	AML		1614	20.31			5	0.1				
MORF	HZ	153	186	EP		1614	16.87	0.30							1.0
MORF	HN	153	186	ES		1614	34.32	-0.15							1.0
MORF	HN	153	186	AML		1614	35.37			8	0.4				

July 28 2011 Hour: 19:50 19.3 Lat: 35.72S Lon: 73.10W Depth: 26F Agency: IGL Distant
Magnitudes: 5.5MS IGL Rms: 0.2 secs

OFFSHORE MAULE, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10459	46	EP			20 3	34.85	-0.25							1.0
MORF	BZ10459	46	AMS			2045	49.23			2164	18.9				
MESJ	BZ10527	46	EP			20 3	38.07	0.25							1.0
MESJ	BZ10527	46	AMS			2045	3.71			1724	22.8				

July 28 2011 Hour: 20:18 5.8 Lat: 36.84N Lon: 7.96W Depth: 20F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	80	310	EP		2018	18.65	-0.13							1.0
MORF	HN	80	310	ES		2018	28.33	0.08							1.0
MORF	HN	80	310	AML		2018	29.45			9	0.2				
MESJ	HN	113	348	ES		2018	36.34	0.06							1.0
MESJ	HN	113	348	AML		2018	37.14			2	0.1				

July 29 2011 Hour: 5:41 25.2 Lat: 37.39N Lon: 9.14W Depth: 30F 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	44	102	EP		541	33.55	0.10							1.0
MORF	HN	44	102	ES		541	39.33	-0.12							1.0
MORF	HN	44	102	AML		541	40.05			27	0.1				
MESJ	HZ	95	58	EP		541	39.81	-0.08							1.0
MESJ	HN	95	58	ES		541	50.69	0.10							1.0
MESJ	HE	95	58	AML		541	51.64			2	0.2				

July 29 2011 Hour: 7:42 22.9 Lat: 23.65S Lon: 179.82E Depth: 522F Agency: IGL Distant
Magnitudes: 6.3MS IGL Rms: 0.2 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18152	25	EP			8 1	24.91	0.23							1.0
GGNV	BE18152	25	ESS			825	48.61	-0.10							1.0
GGNV	BE18152	25	AMS			833	41.28			5026	26.6				
MESJ	BZ18277	24	EP			8 1	25.77	0.02							1.0
MESJ	BE18277	24	ESS			825	59.84	-0.26							1.0
MESJ	BN18277	24	AMS			831	46.41			4447	21.3				
MORF	BZ18310	26	EP			8 1	26.31	0.24							1.0
MORF	BE18310	26	ESS			826	3.05	-0.13							1.0
MORF	BN18310	26	AMS			827	55.47			4797	19.2				

July 29 2011 Hour: 9:29 43.3 Lat: 43.41N Lon: 7.01W 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	627	190	EP		931	5.10	-0.03							1.0

July 29 2011 Hour: 11:37 44.9 Lat: 42.77N Lon: 7.20W Depth: 0F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	554	189	EP		1138	58.90	0.12							1.0
MESJ	HN	554	189	ES		1139	52.73	0.01							1.0
MESJ	HN	554	189	AML		1139	58.07			4	0.3				
MORF	HZ	619	192	EP		1139	6.53	-0.14							1.0

July 29 2011 Hour: 13:12 31.2 Lat: 36.26N Lon: 8.51W Depth: 17F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	117	354	ES		1313	2.77	-0.11							1.0
MORF	HE	117	354	AML		1313	3.77			17	0.1				
MESJ	HZ	177	8	EP		1312	57.12	0.15							1.0
MESJ	HE	177	8	ES		1313	15.77	-0.03							1.0
MESJ	HE	177	8	AML		1313	17.14			4	0.2				

July 30 2011 Hour: 17:48 51.8 Lat: 12.86N Lon: 143.22E Depth:120F Agency: IGL Distant
Rms: 0.0 secs

GUAM REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13679	333	EPP			18 9	13.76	0.04							1.0
MORF	BZ13749	333	EPP			18 9	17.99	-0.04							1.0

July 30 2011 Hour: 18:53 52.0 Lat: 36.97N Lon: 141.06E Depth: 43F Agency: IGL Distant
Magnitudes: 6.5MS 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	BZ11100	337	EP			19 7	31.64	0.08							1.0
GGNV	BZ11100	337	EPP			1911	36.59	0.08							1.0
GGNV	BZ11100	337	AMS			1956	55.75			13713	20.3				
MESJ	BZ11156	336	EP			19 7	33.93	0.13							1.0
MESJ	BZ11156	336	EPP			1911	40.24	-0.09							1.0
MESJ	BN11156	336	ES			1918	8.82	-0.13							1.0
MESJ	BZ11156	336	AMS			1958	30.64			12535	16.3				
MORF	BZ11225	336	EP			19 7	36.45	-0.18							1.0
MORF	BZ11225	336	EPP			1911	45.05	-0.07							1.0
MORF	BN11225	336	ES			1918	12.26	0.17							1.0
MORF	BZ11225	336	AMS			1959	14.55			11535	15.0				

July 30 2011 Hour: 23:49 22.4 Lat: 38.17N Lon: 1.39W 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	600	269	EP		2350	41.17	0.05							1.0

July 31 2011 Hour: 0:57 39.5 Lat: 37.17N Lon: 8.54W Depth: 14F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

N PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	18	327	EP		057	43.08	-0.10							1.0
MORF	HN	18	327	ES		057	45.79	-0.09							1.0
MORF	HN	18	327	AML		057	46.26			8	0.1				
MESJ	HN	80	21	ES		058	1.69	0.20							1.0
MESJ	HN	80	21	AML		058	2.79			2	0.4				

July 31 2011 Hour: 14:34 50.0 Lat: 17.00S Lon: 171.59E Depth: 23F Agency: IGL Distant
Magnitudes: 6.1MS IGL Rms: 0.0 secs

VANUATU REGION NET: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17623	2	EP			1454	44.59	-0.01							1.0
GGNV	BZ17623	2	AMS			16 0	55.05			2594	19.3				
MESJ	BZ17721	360	EP			1454	45.66	-0.03							1.0
MESJ	BZ17721	360	AMS			16 2	6.12			2551	13.8				
MORF	BZ17781	1	EP			1454	46.40	0.04							1.0
MORF	BZ17781	1	AMS			16 1	27.95			2408	20.7				

July 31 2011 Hour: 17:36 30.0 Lat: 27.85S Lon: 66.63W Depth:166F Agency: IGL Distant
Magnitudes: 5.3MB IGL Rms: 0.1 secs

CATAMARCA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9412	43	EP		1748	44.73	-0.06							1.0
MORF	BZ	9412	43	AMb		1748	48.31			81	1.4				
MESJ	BZ	9480	43	EP		1748	47.83	0.08							1.0
MESJ	BZ	9480	43	AMb		1748	50.81			78	1.0				
MESJ	BE	9480	43	ES		1758	55.83	-0.02							1.0

July 31 2011 Hour: 23:38 57.7 Lat: 3.57S Lon: 144.84E Depth: 17F Agency: IGL Distant
Magnitudes: 7.0MS IGL Rms: 0.2 secs

NEAR NORTH COAST OF NEW GUINEA, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15335	329	EP			2358	20.33	-0.18							1.0
GGNV	BZ15335	329	AMS			25 2	33.11			46381	19.3				
MESJ	BZ15354	328	EP			2358	20.76	-0.10							1.0
MESJ	BN15354	328	ESS			2419	20.36	0.28							1.0
MESJ	BZ15354	328	AMS			25 4	57.22			25489	17.7				
MORF	BZ15423	327	EP			2358	22.05	0.01							1.0
MORF	BZ15423	327	AMS			25 6	3.63			25986	23.3				

August 1 2011 Hour: 1:24 50.6 Lat: 36.58N Lon: 7.38W Depth: 31F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	139	306	EP		125	10.65	0.05							1.0
MESJ	HZ	158	332	EP		125	13.07	0.09							1.0
MESJ	HE	158	332	ES		125	29.21	-0.14							1.0
MESJ	HN	158	332	AML		125	31.04				5	0.1			

August 1 2011 Hour: 3:22 34.6 Lat: 36.96N Lon: 8.81W Depth: 30F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	41	20	EP		322	42.21	-0.17							1.0
MORF	HE	41	20	ES		322	48.14	0.07							1.0
MORF	HE	41	20	AML		322	48.39				12	0.2			
MESJ	HZ	111	28	EP		322	51.07	-0.07							1.0
MESJ	HN	111	28	ES		323	3.41	0.18							1.0
MESJ	HN	111	28	AML		323	4.15				2	0.3			

August 1 2011 Hour: 13:44 46.9 Lat: 39.83N Lon: 142.08E Depth: 35F Agency: IGL Distant
Magnitudes: 5.3MS 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	BZ10900	337	EP			1358	19.56	0.20							1.0
MESJ	BZ10900	337	EPP			14 2	18.47	-0.16							1.0
MESJ	BN10900	337	AMS			1446	32.72			1205	23.8				
MORF	BZ10969	337	EPP			14 2	23.40	-0.05							1.0
MORF	BN10969	337	AMS			1445	53.66			998	22.3				

August 1 2011 Hour: 14:58 9.0 Lat: 34.63N Lon: 138.44E Depth: 10F Agency: IGL Distant
Magnitudes: 6.0MS IGL Rms: 0.0 secs

NEAR SOUTH COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11240	335	EP			1511	58.91	0.02							1.0
GGNV	BZ11240	335	EPP			1516	7.45	0.05							1.0
GGNV	BE11240	335	AMS			1556	28.66			6317	26.3				
MESJ	BZ11290	334	EP			1512	0.85	-0.05							1.0
MESJ	BZ11290	334	EPP			1516	10.79	0.00							1.0
MESJ	BE11290	334	AMS			1555	36.58			4218	20.6				
MORF	BZ11360	334	EP			1512	3.77	0.02							1.0
MORF	BZ11360	334	EPP			1516	15.54	-0.05							1.0
MORF	BE11360	334	AMS			1555	44.28			4416	19.4				

August 1 2011 Hour: 19:40 53.5 Lat: 33.74N Lon: 87.57E Depth: 14F Agency: IGL Distant
Magnitudes: 5.0MS IGL Rms: 0.0 secs

WESTERN XIZANG Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8259	305	EP		1952	30.48	0.03							1.0
MESJ	BN	8259	305	AMS		2025	38.01			581	14.5				

August 2 2011 Hour: 5:9 28.0 Lat: 6.93S Lon: 129.94E Depth:126F Agency: IGL Distant
Rms: 0.1 secs

BANDA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14605	315	EP			528	24.67	-0.05							1.0
MORF	BZ14667	315	EP			528	25.87	0.05							1.0

August 2 2011 Hour: 6:45 52.5 Lat: 35.98N Lon: 10.25W Depth: 24F Agency: IGL Regional
Magnitudes: 2.3ML 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	205	44	EP		646	21.26	-0.01							1.0
MORF	HN	205	44	ES		646	42.18	-0.07							1.0
MORF	HN	205	44	AML		646	42.41			26	0.2				
MESJ	HZ	274	41	EP		646	29.87	0.03							1.0
MESJ	HN	274	41	ES		646	57.12	0.05							1.0
MESJ	HN	274	41	AML		646	58.35			11	0.2				

August 2 2011 Hour: 19:18 49.0 Lat: 23.94S Lon: 179.06E Depth:542F Agency: IGL Distant
Rms: 0.1 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18337	23	EP			1937	50.25	-0.06							1.0
MORF	BZ18372	25	EP			1937	50.70	0.06							1.0

August 3 2011 Hour: 2:50 2.1 Lat: 36.55N Lon: 9.82W Depth: 12F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	134	51	EP		250	22.98	-0.03							1.0
MORF	HN	134	51	ES		250	38.21	-0.04							1.0
MORF	HE	134	51	AML		250	38.87			14	0.1				
MESJ	HZ	202	44	EP		250	31.47	0.06							1.0
MESJ	HE	202	44	ES		250	52.79	0.01							1.0
MESJ	HE	202	44	AML		250	54.77			8	0.1				

August 3 2011 Hour: 7:10 57.0 Lat: 36.51N Lon: 7.48W Depth: 9F 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
MESJ	HZ	162	336	EP		711	21.61	0.00							1.0
MESJ	HE	162	336	ES		711	39.57	0.00							1.0
MESJ	HN	162	336	AML		711	40.61			2	0.2				

August 3 2011 Hour: 16:47 54.5 Lat: 36.92N Lon: 8.68W Depth: 25F 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	43	3	EP		1648	2.32	0.03							1.0
MESJ	HZ	110	22	EP		1648	11.26	-0.07							1.0
MESJ	HN	110	22	ES		1648	23.63	0.04							1.0
MESJ	HN	110	22	AML		1648	24.48			4	0.4				

August 3 2011 Hour: 22:39 22.9 Lat: 5.05S Lon: 148.26E Depth: 30F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.1 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15664	332	EP			2258	49.13	0.09							1.0
MESJ	BZ15690	330	EP			2258	49.32	-0.17							1.0
MESJ	BZ15690	330	AMS			2413	20.81			575	19.4				
MORF	BZ15760	330	EP			2258	50.73	0.07							1.0
MORF	BZ15760	330	AMS			24 0	29.44			515	27.8				

August 4 2011 Hour: 4:36 58.5 Lat: 37.37N Lon: 13.87W Depth: 0 Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	502	82	EP		438	6.04	-0.01							1.0
MESJ	HN	502	82	ES		438	55.39	0.01							1.0
MESJ	HN	502	82	AML		438	58.13			3	0.4				

August 4 2011 Hour: 7:45 38.7 Lat: 37.76N Lon: 9.00W Depth: 22F Agency: IGL Regional
Magnitudes: 1.4ML 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	HN	59	148	ES		745	55.75	-0.09							1.0
MORF	HN	59	148	AML		745	56.26			31	0.1				
MESJ	HZ	69	82	EP		745	49.98	-0.11							1.0
MESJ	HN	69	82	ES		745	58.58	0.20							1.0
MESJ	HE	69	82	AML		745	59.89			8	0.1				

August 4 2011 Hour: 12:7 2.8 Lat: 38.26N Lon: 9.30W Depth: 12F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	52	15	ES		127	17.86	0.17							1.0
GGNV	HN	52	15	AML		127	19.39			310	0.5				
MESJ	HZ	106	116	EP		127	19.47	-0.03							1.0
MESJ	HN	106	116	ES		127	31.73	0.05							1.0
MESJ	HN	106	116	AML		127	33.16			42	0.2				
MORF	HZ	120	151	EP		127	21.48	-0.26							1.0
MORF	HE	120	151	ES		127	35.62	0.07							1.0
MORF	HE	120	151	AML		127	36.25			40	0.2				

August 4 2011 Hour: 12:29 10.0 Lat: 35.54N Lon: 8.28W Depth: 20F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	199	351	EP		1229	38.17	-0.06							1.0
MORF	HN	199	351	ES		1229	58.64	-0.21							1.0
MORF	HN	199	351	AML		1229	59.66			14	0.4				
MESJ	HZ	255	1	EP		1229	45.35	0.13							1.0
MESJ	HN	255	1	ES		1230	11.10	0.16							1.0
MESJ	HN	255	1	AML		1230	13.19			13	0.1				

August 4 2011 Hour: 13:51 36.3 Lat: 48.78N Lon: 154.84E Depth: 49F Agency: IGL Distant
Magnitudes: 6.0MS IGL Rms: 0.1 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10192	348	EP			144	37.80	-0.11							1.0
GGNV	BZ10192	348	EPP			148	17.35	0.01							1.0
GGNV	BN10192	348	ES			1415	6.35	-0.10							1.0
GGNV	BZ10192	348	AMS			1454	37.75			5597	17.8				
MESJ	BZ10272	347	EP			144	41.15	-0.15							1.0
MESJ	BN10272	347	ES			1415	10.70	0.12							1.0
MESJ	BZ10272	347	AMS			1452	42.76			5387	17.9				
MORF	BZ10338	347	EP			144	44.15	0.09							1.0
MORF	BZ10338	347	EPP			148	27.79	0.06							1.0
MORF	BN10338	347	ES			1415	14.03	0.07							1.0
MORF	BZ10338	347	AMS			1452	50.89			4743	18.6				

August 5 2011 Hour: 11:30 28.3 Lat: 37.72N Lon: 8.24W Depth: 1 Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

N OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	13	8	EP		1130	30.47	0.00							1.0
MESJ	HN	13	8	ES		1130	32.07	0.00							1.0
MESJ	HN	13	8	AML		1130	33.59			419	0.5				

August 5 2011 Hour: 16: 8 48.9 Lat: 30.04S Lon: 176.76W Depth: 24F Agency: IGL Distant
Magnitudes: 6.1MS IGL 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	BZ18655	48	EP			1628	52.56	0.03							1.0
MESJ	BZ18655	48	AMS			1744	43.49			2581	21.5				
MORF	BZ18657	51	EP			1628	52.56	-0.03							1.0
MORF	BZ18657	51	AMS			1744	34.45			3030	21.9				

August 6 2011 Hour: 1:32 43.6 Lat: 37.28N Lon: 7.71W Depth: 9F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NE S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	77	324	EP		132	55.98	-0.06							1.0
MESJ	HN	77	324	ES		133	5.05	-0.09							1.0
MESJ	HN	77	324	AML		133	7.39			9	0.4				
MORF	HZ	84	272	EP		132	57.11	0.03							1.0
MORF	HN	84	272	ES		133	7.07	0.12							1.0
MORF	HN	84	272	AML		133	9.46			21	0.3				

August 6 2011 Hour: 13:22 35.9 Lat: 35.86S Lon: 73.03W Depth: 22F Agency: IGL Distant
Magnitudes: 5.0MS IGL Rms: 0.0 secs

OFFSHORE MAULE, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10533	46	EP			1335	55.32	0.04							1.0
MESJ	BN10533	46	ES			1346	29.19	-0.04							1.0
MESJ	BZ10533	46	AMS			1417	3.82			697	23.7				

August 6 2011 Hour: 21:30 23.0 Lat: 38.77N Lon: 7.96W Depth: 4F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

NE ARRADIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	106	192	EP		2130	40.04	0.01							1.0
MESJ	HN	106	192	ES		2130	52.48	-0.01							1.0
MESJ	HE	106	192	AML		2130	53.48			2	0.1				

August 7 2011 Hour: 1:32 9.6 Lat: 37.70N Lon: 1.64W Depth: 6F 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	579	274	EP		133	25.95	-0.02							1.0

August 7 2011 Hour: 3:54 8.3 Lat: 37.13N Lon: 5.45W Depth: 18F 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	257	289	EP		354	43.90	0.00							1.0

August 7 2011 Hour: 6:22 36.7 Lat: 11.80S Lon: 168.38E Depth: 412F Agency: IGL Distant
Magnitudes: 5.1MS IGL Rms: 0.1 secs

SANTA CRUZ ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17129	354	EP			641	38.88	-0.06							1.0
MESJ	BZ17129	354	AMS			827	55.05			379	22.1				
MORF	BZ17192	355	EP			641	39.85	0.06							1.0

MORF BN17192 355 AMS 826 57.82 212 15.6

**August 7 2011 Hour: 11:30 18.8 Lat: 36.49N Lon: 9.79W Depth: 31F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	136	48	EP		1130	38.47	-0.01							1.0
MORF	HN	136	48	ES		1130	52.94	0.09							1.0
MORF	HE	136	48	AML		1130	53.51			11	0.1				
MESJ	HZ	205	42	EP		1130	46.90	-0.07							1.0
MESJ	HN	205	42	ES		1131	7.51	-0.02							1.0
MESJ	HN	205	42	AML		1131	9.44			7	0.1				

**August 7 2011 Hour: 14:35 34.5 Lat: 38.40N Lon: 21.83E Depth: 5F Agency: IGL Distant
Magnitudes: 4.9MB IGL Rms: 0.0 secs**

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2624	278	EP		1440	46.43	-0.03							1.0
MESJ	BZ	2624	278	AMB		1440	48.13			36	0.8				
MESJ	BN	2624	278	ES		1445	2.29	0.03							1.0

**August 7 2011 Hour: 22:27 54.8 Lat: 37.83N Lon: 6.79W Depth: 1 Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	126	271	EP		2228	14.95	-0.11							1.0
MESJ	HE	126	271	ES		2228	30.00	0.11							1.0
MESJ	HE	126	271	AML		2228	31.57			2	0.5				

**August 8 2011 Hour: 3:21 8.5 Lat: 36.61N Lon: 7.29W Depth: 17F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	144	303	ES		321	45.88	-0.11							1.0
MORF	HN	144	303	AML		321	46.85			8	0.2				
MESJ	HZ	159	329	EP		321	32.04	-0.04							1.0
MESJ	HN	159	329	ES		321	49.47	0.15							1.0
MESJ	HN	159	329	AML		321	51.02			9	0.3				

**August 8 2011 Hour: 19:28 17.8 Lat: 37.28N Lon: 8.98W Depth: 22F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

SW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	29	84	EP		1928	23.81	0.18							1.0
MORF	HN	29	84	ES		1928	27.83	-0.04							1.0
MORF	HN	29	84	AML		1928	29.17			15	0.1				
MESJ	HZ	92	47	EP		1928	32.22	-0.12							1.0
MESJ	HN	92	47	ES		1928	42.91	-0.03							1.0

**August 8 2011 Hour: 19:44 15.5 Lat: 36.83N Lon: 11.16W Depth: 10F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	229	76	EP		1944	48.48	0.05							1.0
MORF	HE	229	76	ES		1945	12.30	-0.19							1.0
MORF	HE	229	76	AML		1945	13.70			146	0.2				
MESJ	HZ	284	66	EP		1944	55.17	0.03							1.0
MESJ	HE	284	66	ES		1945	24.21	0.11							1.0
MESJ	HE	284	66	AML		1945	25.30			33	0.2				

August 10 2011 Hour: 0:53 26.8 Lat: 27.70N Lon: 65.05E Depth: 54F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.1 secs

PAKISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6787	300	EP		1 3	34.95	0.10							1.0
MESJ	BZ	6787	300	AMb		1 3	58.42			63	2.4				
MESJ	BN	6787	300	ES		111	50.01-0.14								1.0
MORF	BZ	6839	299	EP		1 3	38.00-0.04								1.0
MORF	BZ	6839	299	AMb		1 3	51.48			98	1.8				
MORF	BE	6839	299	ES		111	56.00-0.13								1.0
GGNV	BZ	6843	301	EP		1 3	38.44	0.25							1.0
GGNV	BZ	6843	301	AMb		1 3	54.58			141	2.7				
GGNV	BE	6843	301	ES		111	56.39-0.03								1.0

August 10 2011 Hour: 2:42 27.5 Lat: 0.19S Lon: 18.02W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.0 secs

CENTRAL MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4264	12	EP		249	48.48	0.02							1.0
MORF	BZ	4264	12	AMb		249	52.96			84	2.0				
MESJ	BZ	4332	12	EP		249	53.46-0.02								1.0
MESJ	BZ	4332	12	AMb		249	59.01			32	1.7				

August 10 2011 Hour: 7:45 47.9 Lat: 35.80N Lon: 9.92W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	272	33	EP		746	24.37-0.09								1.0
MESJ	HE	272	33	ES		746	51.26	0.09							1.0
MESJ	HN	272	33	AML		746	52.44			5	0.4				

August 10 2011 Hour: 17:41 40.9 Lat: 36.62N Lon: 11.22W Depth: 31F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	241	71	EP		1742	13.49-0.12								1.0
MORF	HN	241	71	ES		1742	37.59	0.08							1.0
MORF	HN	241	71	AML		1742	39.12			32	0.2				
MESJ	HZ	299	62	EP		1742	20.79	0.07							1.0
MESJ	HE	299	62	ES		1742	49.79-0.02								1.0
MESJ	HE	299	62	AML		1742	52.26			10	0.3				

August 10 2011 Hour: 18: 6 18.5 Lat: 7.15S Lon: 155.30E Depth: 63F Agency: IGL Distant
Magnitudes: 4.8MS 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	BZ16205	338	EP			1825	48.97	0.08							1.0
MESJ	BZ16250	336	EP			1825	49.59-0.02								1.0
MESJ	BZ16250	336	AMS			1933	50.28			178	23.0				
MORF	BZ16321	336	EP			1825	50.67-0.05								1.0
MORF	BZ16321	336	AMS			1944	31.44			189	22.9				
MORF	BZ16321	336	AMS			1949	38.88			171	22.9				

August 10 2011 Hour: 23:23 51.9 Lat: 37.33N Lon: 8.62W Depth: 14F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	4	226	EP		2323	54.32	0.00							1.0
MORF	HN	4	226	ES		2323	56.07	0.00							1.0
MORF	HN	4	226	AML		2323	56.93			20	0.2				

August 10 2011 Hour: 23:45 42.0 Lat: 7.19S Lon: 12.70W Depth: 11F Agency: IGL Distant
Magnitudes: 5.5MS IGL Rms: 0.2 secs

ASCENSION ISLANDS REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4945	5	EP		2353	53.58	0.45							1.0
MORF	BN	4945	5	ES		24 0	28.67	-0.28							1.0
MORF	BE	4945	5	AMS		24 4	42.34		7400	24.2					
MESJ	BZ	5008	5	EP		2353	57.55	-0.04							1.0
MESJ	BN	5008	5	ES		24 0	37.07	0.01							1.0
MESJ	BE	5008	5	AMS		24 4	44.45		6318	16.0					
GGNV	BZ	5097	4	EP		2354	3.98	0.08							1.0
GGNV	BN	5097	4	ES		24 0	48.34	-0.22							1.0
GGNV	BE	5097	4	AMS		2410	1.35		4051	16.8					

August 11 2011 Hour: 4:34 54.1 Lat: 37.28N Lon: 8.96W Depth: 19F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

SW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	28	84	EP		434	59.32	-0.07							1.0
MORF	HN	28	84	ES		435	3.35	0.07							1.0
MORF	HE	28	84	AML		435	4.00		15	0.2					

August 11 2011 Hour: 10: 6 32.9 Lat: 39.97N Lon: 76.99E Depth: 35F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.1 secs

SOUTHERN XINJIANG, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7092	298	EP		1017	1.73	0.24							1.0
MESJ	BZ	7092	298	EPP		1019	21.76	-0.07							1.0
MESJ	BN	7092	298	ES		1025	34.69	0.01							1.0
MESJ	BN	7092	298	AMS		1043	19.85		1777	26.3					
GGNV	BZ	7110	300	EP		1017	2.68	0.14							1.0
GGNV	BN	7110	300	AMS		1042	54.29		1685	23.0					
MORF	BZ	7155	298	EP		1017	5.17	-0.13							1.0
MORF	BN	7155	298	ES		1025	41.67	-0.18							1.0
MORF	BN	7155	298	AMS		1044	21.25		2016	22.8					

August 11 2011 Hour: 11:57 3.4 Lat: 37.51N Lon: 9.31W Depth: 30F Agency: IGL Regional
Magnitudes: 2.7ML 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	63	111	EP		1157	14.00	-0.02							1.0
MORF	HN	63	111	ES		1157	21.76	0.01							1.0
MORF	HN	63	111	AML		1157	22.89		462	0.1					
MESJ	HZ	103	69	EP		1157	18.94	-0.07							1.0
MESJ	HN	103	69	ES		1157	30.48	0.09							1.0
MESJ	HN	103	69	AML		1157	31.74		130	0.1					
GGNV	HN	135	6	ES		1157	37.18	-0.01							1.0
GGNV	HN	135	6	AML		1157	37.80		121	0.1					

August 11 2011 Hour: 18:22 4.9 Lat: 37.00N Lon: 141.08E Depth: 38F 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
GGNV	BZ11098	337	EP			1835	45.16	0.20							1.0
GGNV	BZ11098	337	EPP			1839	49.98	0.21							1.0
GGNV	BZ11098	337	AMS			1924	25.77		2825	25.1					
MESJ	BZ11153	336	EP			1835	47.03	-0.18							1.0
MESJ	BZ11153	336	EPP			1839	53.49	-0.10							1.0
MESJ	BN11153	336	ES			1846	23.00	0.14							1.0
MESJ	BN11153	336	ESS			1854	16.85	-0.11							1.0
MESJ	BZ11153	336	AMS			1926	42.56		3155	17.3					
MORF	BZ11223	336	EP			1835	49.78	-0.26							1.0
MORF	BZ11223	336	EPP			1839	58.57	0.19							1.0

MORF BN11223 336 ES 1846 25.89-0.10 1.0
MORF BZ11223 336 AMS 1923 22.26 2738 22.3

**August 12 2011 Hour: 2:43 15.5 Lat: 37.31N Lon: 8.52W Depth: 9F Agency: IGL Regional
Magnitudes: 0.8ML 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	12	268	EP		243	17.74	-0.15							1.0
MORF	HN	12	268	ES		243	19.67	0.01							1.0
MORF	HN	12	268	AML		243	19.98			55	0.1				
MESJ	HZ	65	24	EP		243	26.06	0.09							1.0
MESJ	HN	65	24	ES		243	33.68	0.05							1.0
MESJ	HN	65	24	AML		243	35.02			3	0.2				

**August 12 2011 Hour: 3:15 12.2 Lat: 21.70S Lon: 177.10W Depth: 243F Agency: IGL Distant
Rms: 0.1 secs**

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17945		28	EP		334	42.92	0.06							1.0
MORF	BZ17971		30	EP		334	43.11	-0.06							1.0

**August 12 2011 Hour: 7:15 36.6 Lat: 38.37N Lon: 9.27W Depth: 14F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	109	122	EP		715	53.74	-0.13							1.0
MESJ	HE	109	122	ES		716	6.59	0.13							1.0
MESJ	HE	109	122	AML		716	8.21			3	0.2				

**August 12 2011 Hour: 12:20 24.0 Lat: 36.35N Lon: 4.63W Depth: 21F Agency: IGL Regional
Magnitudes: 1.6ML 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	359	298	EP		1221	12.04	-0.05							1.0
MESJ	HN	359	298	ES		1221	47.25	0.05							1.0
MESJ	HE	359	298	AML		1221	47.83			2	0.3				

**August 12 2011 Hour: 20:45 20.5 Lat: 36.62N Lon: 7.67W Depth: 18F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	311	EP		2045	38.47	-0.16							1.0
MORF	HN	116	311	ES		2045	52.05	0.18							1.0
MORF	HN	116	311	AML		2045	53.12			75	0.1				
MESJ	HZ	144	340	EP		2045	42.17	0.10							1.0
MESJ	HE	144	340	ES		2045	57.70	-0.13							1.0
MESJ	HE	144	340	AML		2045	59.26			62	0.1				

**August 12 2011 Hour: 21:30 1.7 Lat: 35.65N Lon: 8.99W Depth: 30F Agency: IGL Regional
Magnitudes: 2.6ML 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	186	9	EP		2130	27.75	0.10							1.0
MORF	HN	186	9	ES		2130	46.38	-0.24							1.0
MORF	HN	186	9	AML		2130	47.85			69	0.4				
MESJ	HZ	253	16	EP		2130	36.11	0.26							1.0
MESJ	HN	253	16	ES		2131	0.69	-0.11							1.0
MESJ	HN	253	16	AML		2131	1.70			21	0.3				

August 13 2011 Hour: 6:51 58.5 Lat: 35.69N Lon: 9.58W Depth: 31F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	198	25	EP		652	25.85	0.04							1.0
MORF	HN	198	25	ES		652	45.72	-0.04							1.0
MORF	HN	198	25	AML		652	46.66			9	0.2				

August 13 2011 Hour: 7:33 9.7 Lat: 14.47N Lon: 94.70W Depth: 28F Agency: IGL Distant
Magnitudes: 5.8MB IGL Rms: 0.1 secs

OFF COAST OF CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8646	53	EP		745	3.92	0.01							1.0
GGNV	BZ	8646	53	AMb		745	8.68			313	1.8				
GGNV	BN	8646	53	ES		754	54.70	-0.05							1.0
MORF	BZ	8713	54	EP		745	7.45	0.07							1.0
MORF	BZ	8713	54	AMb		745	13.46			224	1.9				
MORF	BN	8713	54	ES		755	1.33	-0.12							1.0
MESJ	BZ	8741	54	EP		745	8.89	0.18							1.0
MESJ	BZ	8741	54	AMb		745	13.60			148	1.7				
MESJ	BN	8741	54	ES		755	3.95	-0.10							1.0

August 13 2011 Hour: 10:50 30.4 Lat: 36.58N Lon: 7.43W Depth: 29F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	156	334	EP		1050	52.64	-0.02							1.0
MESJ	HN	156	334	ES		1051	8.97	0.02							1.0
MESJ	HN	156	334	AML		1051	10.10			3	0.4				

August 13 2011 Hour: 13:32 4.8 Lat: 35.81N Lon: 4.61W Depth: 17F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	393	306	EP		1332	57.42	0.01							1.0
MESJ	HE	393	306	ES		1333	35.84	0.03							1.0
MESJ	HN	393	306	AML		1333	37.23			4	0.1				
MORF	HE	398	296	ES		1333	36.91	-0.04							1.0
MORF	HN	398	296	AML		1333	37.93			15	0.3				

August 14 2011 Hour: 1:5 3.9 Lat: 37.27N Lon: 22.02E Depth: 10F Agency: IGL Distant
Magnitudes: 4.3MB IGL Rms: 0.1 secs

SOUTHERN GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2661	281	EP		110	18.16	0.05							1.0
MESJ	BZ	2661	281	AMb		110	23.99			16	3.0				
MESJ	BN	2661	281	ES		114	35.80	0.08							1.0
MORF	BZ	2708	279	EP		110	22.01	0.02							1.0
MORF	BZ	2708	279	AMb		110	25.51			30	2.2				
MORF	BN	2708	279	ES		114	42.42	-0.16							1.0

August 14 2011 Hour: 1:29 40.0 Lat: 1.34S Lon: 14.63W Depth: 12F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.1 secs

NORTH OF ASCENSION ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4325	8	EPP		138	33.97	-0.06							1.0
MORF	BZ	4325	8	AMS		151	46.48			2330	20.3				
MESJ	BZ	4390	8	EPP		138	40.35	-0.01							1.0
MESJ	BE	4390	8	ES		143	12.76	-0.06							1.0
MESJ	BN	4390	8	AMS		152	12.80			2587	16.1				
GGNV	BZ	4473	7	EPP		138	48.59	0.13							1.0
GGNV	BN	4473	7	AMS		153	23.23			3506	14.7				

August 14 2011 Hour: 12:31 13.8 Lat: 38.12N Lon: 8.90W Depth: 7F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

W MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	67	117	EP		1231	24.63	-0.06							1.0
MESJ	HN	67	117	ES		1231	32.73	0.06							1.0
MESJ	HE	67	117	AML		1231	33.53			2	0.2				

August 15 2011 Hour: 2:53 18.0 Lat: 1.80S Lon: 76.99W Depth:167FAgency: IGL Distant
Magnitudes: 5.8MB IGL Rms: 0.0 secs

ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8239	49	EP		3 4	35.41	-0.01							1.0
GGNV	BZ	8239	49	AMB		3 4	37.11			426	1.3				
MORF	BZ	8240	50	EP		3 4	35.61	0.06							1.0
MORF	BZ	8240	50	AMB		3 4	38.55			766	1.4				
MORF	BE	8240	50	ES		313	54.92	-0.03							1.0
MESJ	BZ	8292	50	EP		3 4	38.24	0.04							1.0
MESJ	BZ	8292	50	AMB		3 4	40.10			158	1.2				
MESJ	BE	8292	50	ES		313	60.00	-0.07							1.0

August 15 2011 Hour: 3:48 49.5 Lat: 5.99S Lon: 153.27E Depth: 34F Agency: IGL Distant
Magnitudes: 0.1 secs

NEW IRELAND REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16041	335	EP			4 8	21.06	0.07							1.0
MORF	BZ16112	335	EP			4 8	21.51	-0.07							1.0

August 15 2011 Hour: 9:29 35.0 Lat: 38.09N Lon: 8.66W Depth: 11F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

SE MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	48	126	EP		929	42.88	0.02							1.0
MESJ	HN	48	126	ES		929	48.56	-0.06							1.0
MESJ	HN	48	126	AML		929	49.67			12	0.1				
MORF	HZ	87	179	EP		929	48.91	0.01							1.0
MORF	HN	87	179	ES		929	59.09	0.03							1.0
MORF	HN	87	179	AML		930	0.80			25	0.2				

August 15 2011 Hour: 9:30 23.7 Lat: 36.12N Lon: 11.77W Depth: 10F 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	308	64	EP		931	6.35	-0.08							1.0
MESJ	HZ	369	58	EP		931	13.99	0.02							1.0
MESJ	HE	369	58	ES		931	50.75	0.06							1.0
MESJ	HE	369	58	AML		931	53.19			2	0.1				

August 15 2011 Hour: 23:58 2.0 Lat: 36.26N Lon: 9.94W Depth: 29F Agency: IGL Regional
Magnitudes: 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	163	44	EP		2358	25.26	0.00							1.0
MESJ	HZ	233	41	EP		2358	33.82	0.00							1.0

August 16 2011 Hour: 0:32 16.5 Lat: 37.08N Lon: 14.48W Depth: 26F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	503	67	EP		033	21.67	-0.06							1.0
GGNV	HN	503	67	ES		034	9.15	-0.17							1.0
GGNV	HN	503	67	AML		034	9.48			80	0.2				
MORF	HZ	518	85	EP		033	23.82	0.18							1.0

MORF HE	518	85	ES	034	12.49-0.14												1.0
MORF HE	518	85	AML	034	13.87				36	0.3							
MESJ HZ	560	79	EP	033	28.64-0.06												1.0
MESJ HE	560	79	ES	034	21.65 0.27												1.0
MESJ HN	560	79	AML	034	23.45				19	0.4							

August 16 2011 Hour: 11: 3 58.1 Lat: 2.30S Lon: 128.04E Depth: 37F Agency: IGL Distant
Magnitudes: 5.5MS IGL Rms: 0.1 secs

CERAM SEA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14090	317	EP			1122	57.10	0.08							1.0
MESJ	BZ14090	317	AMS			1225	41.38			945	24.8				
GGNV	BZ14109	318	EP			1122	57.34	0.03							1.0
MORF	BZ14153	317	EP			1122	58.03-0.12								1.0
MORF	BN14153	317	AMS			1225	54.61			1046	19.0				

August 16 2011 Hour: 13:35 14.9 Lat: 37.32N Lon: 8.57W Depth: 12F Agency: IGL Regional
Magnitudes: 1.0ML 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	7	258	EP		1335	17.26	0.00							1.0
MORF	HN	7	258	ES		1335	18.98	0.00							1.0
MORF	HN	7	258	AML		1335	19.58			72	0.2				

August 16 2011 Hour: 19:35 20.9 Lat: 40.20N Lon: 142.37E Depth: 42F Agency: IGL Distant
Magnitudes: 5.0MS IGL 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	BZ10871	337	EPP			1952	49.88	0.02							1.0
MESJ	BZ10871	337	AMS			2035	46.86			494	20.3				
MORF	BZ10940	337	EPP			1952	54.66-0.02								1.0
MORF	BZ10940	337	AMS			2037	51.36			452	21.5				

August 16 2011 Hour: 20: 5 22.0 Lat: 36.88N Lon: 8.90W Depth: 28F 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	52	25	EP		20 5	31.20	0.07							1.0
MORF	HN	52	25	ES		20 5	37.73-0.07								1.0
MORF	HN	52	25	AML		20 5	38.55			12	0.1				

August 16 2011 Hour: 23:55 12.7 Lat: 37.30N Lon: 8.55W Depth: 12F Agency: IGL Regional
Magnitudes: 1.9ML 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	9	275	EP		2355	15.14-0.06								1.0
MORF	HN	9	275	ES		2355	17.11 0.09								1.0
MORF	HN	9	275	AML		2355	17.88			363	0.2				
MESJ	HZ	67	26	EP		2355	23.55 0.07								1.0
MESJ	HE	67	26	ES		2355	31.25-0.09								1.0
MESJ	HN	67	26	AML		2355	32.16			78	0.2				

August 17 2011 Hour: 8: 2 7.2 Lat: 5.70N Lon: 77.53W Depth: 45F Agency: IGL Distant
Magnitudes: 4.9MB IGL Rms: 0.1 secs

NEAR WEST COAST OF COLOMBIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7769	52	EP		813	13.19 0.07								1.0
MORF	BZ	7769	52	AMb		813	17.83			43	1.5				
MESJ	BZ	7815	52	EP		813	15.55-0.07								1.0
MESJ	BZ	7815	52	AMb		813	19.76			21	1.3				

August 17 2011 Hour: 11:44 8.0 Lat: 36.78N Lon: 143.77E Depth: 10F Agency: IGL Distant
Magnitudes: 6.4MS IGL 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
GGNV	BZ11212	339		EP		1157	56.81	-0.02							1.0
GGNV	BZ11212	339		AMS		1247	26.89		11812	16.7					
MESJ	BZ11271	338		EP		1157	59.27	0.04							1.0
MESJ	BN11271	338		ESS		1216	41.54	0.01							1.0
MESJ	BZ11271	338		AMS		1246	37.88		9742	21.7					
MORF	BZ11340	338		EP		1158	2.02	-0.03							1.0
MORF	BZ11340	338		AMS		1247	56.33		9375	18.0					

August 17 2011 Hour: 21:25 59.7 Lat: 36.79N Lon: 9.36W Depth: 26F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	85	48	EP		2126	13.35	0.03							1.0
MORF	HN	85	48	ES		2126	23.16	-0.10							1.0
MORF	HN	85	48	AML		2126	23.36		4	0.2					
MESJ	HZ	154	41	EP		2126	21.90	-0.03							1.0
MESJ	HN	154	41	ES		2126	38.26	0.10							1.0
MESJ	HN	154	41	AML		2126	39.52		1	0.5					

August 17 2011 Hour: 21:42 6.1 Lat: 36.54N Lon: 7.96W Depth: 7F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	105	324	EP		2142	22.88	-0.07							1.0
MORF	HE	105	324	ES		2142	35.34	0.07							1.0
MORF	HN	105	324	AML		2142	36.70		12	0.2					

August 17 2011 Hour: 23:48 13.8 Lat: 36.54N Lon: 9.74W Depth: 15F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	48	EP		2348	33.90	0.04							1.0
MESJ	HZ	198	43	EP		2348	42.29	-0.04							1.0

August 19 2011 Hour: 3:54 28.0 Lat: 16.53S Lon: 176.90W Depth: 413F Agency: IGL Distant
Magnitudes: 6.2MS 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	BZ17297	24		EP		413	32.28	0.03							1.0
MESJ	BZ17422	23		EP		413	33.80	0.04							1.0
MESJ	BZ17422	23		EPP		417	45.52	-0.02							1.0
MORF	BZ17455	24		EP		413	34.14	-0.05							1.0

August 19 2011 Hour: 5:36 32.9 Lat: 37.67N Lon: 141.72E Depth: 44F Agency: IGL Distant
Magnitudes: 6.2MS 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	BZ11050	337		EP		550	10.20	-0.15							1.0
GGNV	BN11050	337		AMS		637	39.36		9082	24.6					
MESJ	BZ11107	336		EP		550	12.60	-0.06							1.0
MESJ	BZ11107	336		EPP		554	17.91	0.07							1.0
MESJ	BN11107	336		ES		6	0	47.59	0.08						1.0
MESJ	BN11107	336		ESS		6	8	38.13	0.00						1.0
MESJ	BZ11107	336		AMS		637	25.70		9625	25.4					
MORF	BZ11177	336		EP		550	15.75	0.26							0.9
MORF	BE11177	336		ES		6	0	50.56	-0.10						1.0
MORF	BE11177	336		ESS		6	8	46.84	-0.08						1.0
MORF	BZ11177	336		AMS		637	8.02		8833	23.0					

August 19 2011 Hour: 7:39 23.1 Lat: 38.15N Lon: 8.22W Depth: 2F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	35	180	EP		739	28.78	0.12							1.0
MESJ	HN	35	180	ES		739	32.50	-0.23							1.0
MESJ	HN	35	180	AML		739	32.94			71	0.1				
MORF	HZ	101	202	EP		739	39.57	0.17							1.0
MORF	HN	101	202	ES		739	51.24	-0.06							1.0
MORF	HN	101	202	AML		739	52.18			22	0.3				

August 19 2011 Hour: 11:12 45.1 Lat: 36.62N Lon: 7.53W Depth: 20F Agency: IGL Regional
Magnitudes: 1.6ML 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
MORF	HE	126	308	ES		1113	18.34	0.08							1.0
MORF	HN	126	308	AML		1113	19.38			14	0.2				
MESJ	HZ	149	336	EP		1113	7.08	-0.02							1.0
MESJ	HN	149	336	ES		1113	23.09	-0.06							1.0
MESJ	HN	149	336	AML		1113	24.44			6	0.2				

August 20 2011 Hour: 3:27 25.1 Lat: 35.59N Lon: 9.95W Depth: 33F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	223	31	EP		327	55.64	0.06							1.0
MORF	HE	223	31	ES		328	17.66	-0.20							1.0
MORF	HE	223	31	AML		328	18.01			142	0.1				
MESJ	HZ	294	31	EP		328	4.38	0.09							1.0
MESJ	HN	294	31	ES		328	32.98	0.06							1.0
MESJ	HE	294	31	AML		328	35.10			66	0.2				

August 20 2011 Hour: 8:23 37.4 Lat: 36.46N Lon: 11.27W Depth: 30F 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	252	67	EP		824	11.43	-0.08							1.0
MORF	HN	252	67	ES		824	36.51	0.11							1.0
MORF	HN	252	67	AML		824	38.29			6	0.4				
MESJ	HZ	311	60	EP		824	18.90	0.03							1.0
MESJ	HE	311	60	ES		824	49.08	-0.06							1.0
MESJ	HN	311	60	AML		824	51.69			2	0.2				

August 20 2011 Hour: 16:55 3.0 Lat: 18.26S Lon: 168.07E Depth: 41F Agency: IGL Distant
Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17747	354	EP			1714	56.40	0.04							1.0
GGNV	BZ17747	354	EPP			1719	16.36	-0.09							1.0
MESJ	BZ17830	351	EP			1714	57.20	-0.05							1.0
MORF	BZ17895	352	EP			1714	58.05	0.10							1.0

August 20 2011 Hour: 18:19 25.0 Lat: 18.29S Lon: 168.13E Depth: 28F Agency: IGL Distant
Rms: 0.0 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17751	354	EP			1839	20.19	0.00							1.0
MESJ	BZ17834	351	EP			1839	21.04	-0.04							1.0
MORF	BZ17899	352	EP			1839	21.82	0.04							1.0

August 21 2011 Hour: 1:39 35.8 Lat: 37.09N Lon: 10.84W Depth: 31F Agency: IGL Regional
Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	196	82	EP		140	2.82	-0.10							1.0

August 21 2011 Hour: 9: 0 16.1 Lat: 36.75N Lon: 13.92W Depth: 2F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	473	81	EP		9 1	19.89	-0.09							1.0
MORF	HN	473	81	ES		9 2	6.57	-0.04							1.0
MORF	HN	473	81	AML		9 2	7.68			32	0.1				
MESJ	HZ	519	75	EP		9 1	25.73	0.11							1.0
MESJ	HN	519	75	ES		9 2	16.39	0.03							1.0
MESJ	HN	519	75	AML		9 2	18.90			24	0.4				

August 21 2011 Hour: 13: 4 8.3 Lat: 5.58S Lon: 151.01E Depth: 40F Agency: IGL Distant
Rms: 0.2 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15855	334	EP			1323	36.27	0.23							1.0
MESJ	BZ15888	332	EP			1323	36.50	-0.10							1.0
MORF	BZ15959	332	EP			1323	37.64	-0.12							1.0

August 21 2011 Hour: 18:15 54.6 Lat: 37.00N Lon: 8.79W Depth: 16F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	36	20	EP		1816	0.93	0.05							1.0
MORF	HN	36	20	ES		1816	5.43	-0.05							1.0
MORF	HN	36	20	AML		1816	6.28			6	0.2				

August 21 2011 Hour: 22:43 47.0 Lat: 37.27N Lon: 8.63W Depth: 7F Agency: IGL Regional
Magnitudes: 0.2ML 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	HN	4	335	ES		2243	49.48	-0.01							1.0
MORF	HN	4	335	AML		2243	49.97			23	0.2				
MORF	HZ	4	335	EP		2243	48.46	0.01							1.0

August 22 2011 Hour: 3: 1 14.7 Lat: 37.22N Lon: 8.41W Depth: 17F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	23	294	EP		3 1	19.18	-0.13							1.0
MORF	HN	23	294	ES		3 1	22.72	0.03							1.0
MORF	HN	23	294	AML		3 1	23.36			16	0.2				
MESJ	HZ	71	14	EP		3 1	26.28	0.15							1.0
MESJ	HN	71	14	ES		3 1	34.44	-0.04							1.0
MESJ	HE	71	14	AML		3 1	35.87			10	0.1				

August 22 2011 Hour: 6: 4 58.0 Lat: 17.47S Lon: 167.24E Depth: 35F Agency: IGL Distant
Magnitudes: 5.4MS IGL Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17650	352	EP			624	50.97	-0.06							1.0
MESJ	BZ17730	350	EP			624	52.00	0.08							1.0
MESJ	BZ17730	350	AMS			749	6.70			423	19.4				
MORF	BZ17796	350	EP			624	52.65	-0.01							1.0
MORF	BE17796	350	AMS			747	34.91			517	17.5				

August 22 2011 Hour: 9:38 36.9 Lat: 28.91S Lon: 176.57W Depth: 6F Agency: IGL Distant
Magnitudes: 5.7MS IGL 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
GGNV	BZ18431		44	EP		958	41.92	-0.01							1.0
GGNV	BZ18431		44	AMS		11 8	48.87			1437	19.0				
MESJ	BZ18555		45	EP		958	42.91	0.05							1.0
MESJ	BZ18555		45	AMS		1123	2.74			1415	33.6				
MORF	BZ18561		47	EP		958	42.91	-0.04							1.0
MORF	BZ18561		47	AMS		1122	32.91			1211	23.7				

August 22 2011 Hour: 20:12 21.0 Lat: 6.41S Lon: 103.99E Depth: 31F Agency: IGL Distant
Magnitudes: 5.8MS IGL Rms: 0.1 secs

SOUTHWEST OF SUMATRA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12402		308	EPP		2031	32.51	-0.01							1.0
MESJ	BZ12402		308	AMS		2121	54.78			2319	19.5				
MORF	BZ12449		308	EPP		2031	35.50	-0.08							1.0
MORF	BZ12449		308	AMS		2133	23.45			2269	17.2				
GGNV	BZ12467		309	EPP		2031	36.75	0.09							1.0
GGNV	BN12467		309	AMS		2137	41.54			2207	17.2				

August 23 2011 Hour: 5:46 19.1 Lat: 37.07N Lon: 104.70W Depth: 4F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.1 secs

COLORADO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 8098		55	EP		557	49.05	-0.07							1.0
MESJ	BE 8098		55	ES		6 7	16.76	0.07							1.0
MESJ	BZ 8098		55	AMS		628	27.38			1326	19.8				

August 23 2011 Hour: 7:22 24.5 Lat: 35.74N Lon: 10.07W Depth: 30F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	215	36	EP		722	54.00	-0.07							1.0
MORF	HN	215	36	ES		723	15.64	-0.04							1.0
MORF	HN	215	36	AML		723	17.74			49	0.1				
MESJ	HZ	286	35	EP		723	2.61	-0.16							1.0
MESJ	HN	286	35	ES		723	30.99	0.28							1.0
MESJ	HE	286	35	AML		723	33.67			13	0.1				

August 23 2011 Hour: 17:51 5.0 Lat: 37.94N Lon: 77.93W Depth: 6F Agency: IGL Distant
Magnitudes: 5.3MS IGL Rms: 0.1 secs

VIRGINIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ 5866		66	EP		18 0	20.64	-0.06							1.0
GGNV	BN 5866		66	ES		18 7	50.31	0.17							1.0
GGNV	BN 5866		66	AMS		1819	51.23			3913	21.2				
MORF	BZ 5967		68	EP		18 0	27.59	0.09							1.0
MORF	BN 5967		68	ES		18 8	2.66	-0.03							1.0
MORF	BZ 5967		68	AMS		1823	6.92			2379	25.6				
MESJ	BZ 5978		67	EP		18 0	28.09	-0.11							1.0
MESJ	BN 5978		67	ES		18 8	3.94	-0.06							1.0
MESJ	BE 5978		67	AMS		1819	33.69			2556	19.7				

August 24 2011 Hour: 1:28 47.5 Lat: 37.31N Lon: 8.53W Depth: 9F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	268	EP		128	49.76	-0.08							1.0
MORF	HN	11	268	ES		128	51.50	-0.03							1.0
MORF	HN	11	268	AML		128	52.17			2690	0.3				
MESJ	HZ	65	25	EP		128	58.09	0.01							1.0

MESJ HN 65 25 ES 129 5.89 0.10 1.0
 MESJ HN 65 25 AML 129 8.69 49 0.1

**August 24 2011 Hour: 8: 8 15.6 Lat: 72.65N Lon: 3.77E Depth: 10F Agency: IGL Distant
 Magnitudes: 5.1MB IGL Rms: 0.1 secs**

NORWEGIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3929	196	EP		815	11.00	-0.13							1.0
MESJ	BZ	3929	196	AMb		815	13.87			63	1.9				
MESJ	BE	3929	196	ES		820	46.48	0.13							1.0

**August 24 2011 Hour: 13: 3 14.4 Lat: 36.56N Lon: 9.70W Depth: 18F 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	125	48	EP		13	3	33.75	0.06						1.0
MORF	HN	125	48	ES		13	3	47.80	0.05						1.0
MORF	HN	125	48	AML		13	3	48.49		15	0.2				
MESJ	HZ	193	42	EP		13	3	42.07	-0.11						1.0
MESJ	HN	193	42	ES		13	4	2.41	-0.02						1.0
MESJ	HN	193	42	AML		13	4	5.08		6	0.2				

**August 24 2011 Hour: 17:42 6.3 Lat: 37.00N Lon: 9.36W Depth: 9F Agency: IGL Regional
 Magnitudes: 1.9ML IGL Rms: 0.2 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	72	61	EP		1742	17.76	-0.23							1.0
MORF	HE	72	61	ES		1742	26.80	0.30							1.0
MORF	HN	72	61	AML		1742	28.16			47	0.3				
MESJ	HZ	137	47	EP		1742	27.74	-0.21							1.0
MESJ	HN	137	47	ES		1742	43.85	0.13							1.0
MESJ	HN	137	47	AML		1742	45.44			14	0.1				

**August 24 2011 Hour: 17:46 11.8 Lat: 7.64S Lon: 74.51W Depth:145F Agency: IGL Distant
 Magnitudes: 6.6MS IGL Rms: 0.3 secs**

NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8449	49	EP		1757	42.96	0.25							1.0
MORF	BN	8449	49	ES		18	7	13.84	-0.25						1.0
MORF	BE	8449	49	AMS		1814	16.45			29022	22.1				
GGNV	BZ	8466	47	EP		1757	43.78	0.31							1.0
GGNV	BN	8466	47	ES		18	7	15.25	-0.33						1.0
GGNV	BN	8466	47	AMS		1819	41.02			41749	17.1				
MESJ	BZ	8506	48	EP		1757	45.77	0.23							1.0
MESJ	BN	8506	48	ES		18	7	19.37	-0.20						1.0
MESJ	BE	8506	48	AMS		1814	32.20			25943	17.5				

**August 24 2011 Hour: 23: 6 17.0 Lat: 18.18S Lon: 167.73E Depth: 10F Agency: IGL Distant
 Magnitudes: 6.4MS IGL Rms: 0.1 secs**

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17734	353	EP			2326	15.07	0.08							1.0
GGNV	BZ17734	353	EPP			2330	34.36	0.02							1.0
GGNV	BZ17734	353	AMS			2452	47.79			5268	19.4				
MESJ	BZ17816	351	EP			2326	15.86	-0.01							1.0
MESJ	BZ17816	351	EPP			2330	38.42	0.06							1.0
MESJ	BZ17816	351	AMS			2448	49.94			5081	17.1				
MORF	BZ17881	351	EP			2326	16.54	-0.04							1.0
MORF	BZ17881	351	EPP			2330	41.46	-0.12							1.0
MORF	BE17881	351	AMS			2451	28.22			3385	14.7				

August 25 2011 Hour: 7:11 43.0 Lat: 36.57N Lon: 11.26W Depth: 31F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	246	70	EP		712	16.42	-0.01							1.0
MESJ	HZ	304	62	EP		712	23.58	-0.03							1.0
MESJ	HN	304	62	ES		712	53.25	0.03							1.0
MESJ	HN	304	62	AML		712	57.49			3	0.2				

August 25 2011 Hour: 10:39 55.2 Lat: 13.60S Lon: 166.95E Depth:124F Agency: IGL Distant
Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17223	353	EP			1059	32.33	0.12							1.0
GGNV	BZ17223	353	EPP			11 3	33.08	-0.07							1.0
MESJ	BZ17305	351	EP			1059	33.28	0.04							1.0
MORF	BZ17370	351	EP			1059	34.09	0.01							1.0
MORF	BZ17370	351	EPP			11 3	40.48	-0.09							1.0

August 26 2011 Hour: 4:34 40.8 Lat: 36.78N Lon: 9.66W Depth: 20F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	107	57	EP		434	57.66	0.01							1.0
MORF	HN	107	57	ES		435	9.94	-0.02							1.0
MORF	HN	107	57	AML		435	10.76			123	0.2				
MESJ	HZ	174	47	EP		435	5.85	-0.04							1.0
MESJ	HN	174	47	ES		435	24.27	0.06							1.0
MESJ	HN	174	47	AML		435	25.13			18	0.3				

August 26 2011 Hour: 6:48 21.9 Lat: 36.52N Lon: 3.65W Depth: 0 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	431	291	EP		649	20.79	-0.13							1.0
MESJ	HN	431	291	ES		650	4.14	0.13							1.0
MESJ	HN	431	291	AML		650	6.54			9	0.4				

August 26 2011 Hour: 12:29 11.4 Lat: 36.74N Lon: 7.44W Depth: 23F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	301	EP		1229	30.26	0.05							1.0
MORF	HN	125	301	ES		1229	43.87	-0.07							1.0
MORF	HN	125	301	AML		1229	44.65			4	0.1				
MESJ	HZ	140	331	EP		1229	32.05	-0.06							1.0
MESJ	HN	140	331	ES		1229	47.29	0.07							1.0
MESJ	HN	140	331	AML		1229	47.66			2	0.1				

August 26 2011 Hour: 19:12 3.9 Lat: 36.89N Lon: 8.54W Depth: 11F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	47	348	EP		1912	11.77	0.03							1.0
MORF	HN	47	348	ES		1912	17.52	0.05							1.0
MORF	HE	47	348	AML		1912	18.24			7	0.3				
MESJ	HZ	109	15	EP		1912	21.17	0.01							1.0
MESJ	HN	109	15	ES		1912	33.68	-0.09							1.0
MESJ	HN	109	15	AML		1912	34.38			4	0.3				

August 26 2011 Hour: 20:32 40.9 Lat: 36.45N Lon: 70.69E Depth:199F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.0 secs

HINDU KUSH REGION, AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6788	297	EP		2042	33.64	-0.04							1.0
MESJ	BZ	6788	297	AMb		2042	35.00			51	1.0				
GGNV	BZ	6820	299	EP		2042	35.61	0.04							1.0
GGNV	BZ	6820	299	AMb		2042	37.29			120	1.0				

August 27 2011 Hour: 0:36 22.0 Lat: 36.76N Lon: 7.42W Depth: 26F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	139	330	EP		036	42.32	-0.03							1.0
MESJ	HN	139	330	ES		036	57.25	0.03							1.0
MESJ	HN	139	330	AML		036	59.12			2	0.1				

August 27 2011 Hour: 4:53 32.8 Lat: 37.32N Lon: 8.62W Depth: 15F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	241	EP		453	35.24	-0.05							1.0
MORF	HE	3	241	ES		453	37.15	0.01							1.0
MORF	HE	3	241	AML		453	37.50			30	0.1				
MESJ	HZ	68	31	EP		453	43.81	0.10							1.0
MESJ	HN	68	31	ES		453	51.64	-0.06							1.0
MESJ	HN	68	31	AML		453	52.83			8	0.3				

August 27 2011 Hour: 7:54 50.5 Lat: 36.81N Lon: 4.17W Depth: 61F Agency: IGL Regional
Magnitudes: 2.2ML 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	376	289	EP		755	39.61	0.10							1.0
MESJ	HN	376	289	ES		756	15.37	0.06							1.0
MESJ	HN	376	289	AML		756	17.21			8	0.3				
MORF	HZ	402	279	EP		755	42.54	-0.10							1.0
MORF	HN	402	279	ES		756	20.67	-0.07							1.0
MORF	HE	402	279	AML		756	22.80			6	0.1				

August 27 2011 Hour: 10:29 48.0 Lat: 43.94N Lon: 104.54E Depth: 14F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.1 secs

CENTRAL MONGOLIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8713	312	EP		1041	48.10	-0.09							1.0
MESJ	BZ	8713	312	AMb		1041	49.41			44	1.6				

August 27 2011 Hour: 19:33 43.1 Lat: 36.62N Lon: 8.05W Depth: 26F 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	93	325	EP		1933	57.83	0.06							1.0
MORF	HE	93	325	ES		1934	8.41	-0.07							1.0
MORF	HN	93	325	AML		1934	9.42			9	0.1				
MESJ	HZ	136	354	EP		1934	2.98	-0.11							1.0
MESJ	HE	136	354	ES		1934	17.80	0.12							1.0

August 28 2011 Hour: 1:29 37.1 Lat: 37.21N Lon: 8.71W Depth: 6F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NW LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	26	EP		129	39.17	-0.10							1.0
MORF	HN	12	26	ES		129	40.89	0.02							1.0
MORF	HN	12	26	AML		129	41.52			37	0.3				

MESJ HZ	82	32	EP		129	50.44	0.07										1.0
MESJ HN	82	32	ES		130	0.08	0.00										1.0
MESJ HN	82	32	AML		130	1.78				3	0.2						

August 28 2011 Hour: 20:11 44.1 Lat: 36.33N Lon: 8.22W Depth: 13F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	115	341	EP			2012	2.25	-0.01							1.0
MESJ HZ	168	360	EP			2012	9.18	0.08							1.0
MESJ HN	168	360	ES			2012	27.25	-0.07							1.0
MESJ HN	168	360	AML			2012	28.54			6	0.1				

August 28 2011 Hour: 23:15 26.3 Lat: 38.68N Lon: 8.45W Depth: 6F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 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	95	168	EP			2315	41.67	-0.07							1.0
MESJ HN	95	168	ES			2315	53.07	0.07							1.0
MESJ HN	95	168	AML			2315	54.25			3	0.1				

August 29 2011 Hour: 1:44 22.2 Lat: 36.78N Lon: 6.95W Depth: 31F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HN	162	292	ES			145	1.72	-0.12							1.0
MORF HN	162	292	AML			145	2.86			12	0.1				
MESJ HZ	163	317	EP			144	45.32	0.17							1.0
MESJ HE	163	317	ES			145	1.86	-0.05							1.0
MESJ HE	163	317	AML			145	3.29			13	0.2				

August 29 2011 Hour: 6:36 49.4 Lat: 36.35N Lon: 10.54W Depth: 31F Agency: IGL Regional
Magnitudes: 2.0ML 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	199	57	EP			637	16.93	-0.01							1.0
MORF HN	199	57	ES			637	37.00	-0.03							1.0
MORF HN	199	57	AML			637	37.96			16	0.2				
MESJ HZ	264	51	EP			637	25.03	0.03							1.0
MESJ HN	264	51	ES			637	50.98	0.01							1.0
MESJ HN	264	51	AML			637	54.14			7	0.2				

August 30 2011 Hour: 2:16 3.0 Lat: 27.64S Lon: 67.43W Depth: 124F Agency: IGL Distant
Magnitudes: 4.6MB IGL Rms: 0.0 secs

CATAMARCA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ	9516	43	EP			228	27.20	0.01							1.0
MESJ BZ	9516	43	AMb			228	29.71			24	2.2				

August 30 2011 Hour: 6:57 42.0 Lat: 6.40S Lon: 126.76E Depth: 472F Agency: IGL Distant
Magnitudes: 6.2MS IGL Rms: 0.1 secs

BANDA SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ14315	314	EP				715	54.14	-0.20							1.0
MESJ BZ14315	314	AMS				816	51.39			5469	24.4				
GGNV BZ14344	316	EP				715	54.87	0.07							1.0
GGNV BE14344	316	AMS				823	9.91			3964	23.2				
MORF BZ14375	314	EP				715	55.53	0.12							1.0
MORF BZ14375	314	AMS				816	10.54			7001	21.4				

August 31 2011 Hour: 10:20 59.3 Lat: 35.37N Lon: 5.96W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	341	324	EP		1021	47.06	-0.01							1.0

August 31 2011 Hour: 10:46 51.1 Lat: 5.97S Lon: 153.25E Depth: 49F Agency: IGL Distant
Rms: 0.1 secs

NEW IRELAND REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15997		336	EP		11 6	19.99	0.02							1.0
MESJ	BZ16038		335	EP		11 6	20.55	-0.08							1.0
MORF	BZ16108		335	EP		11 6	21.26	0.05							1.0

August 31 2011 Hour: 12:17 23.6 Lat: 43.60N Lon: 28.93W Depth: 10F Agency: IGL Distant
Magnitudes: 5.5MB IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ 1741		101	EP		1221	4.42	-0.03							1.0
GGNV	BZ 1741		101	AMb		1221	6.95			131	1.0				
MORF	BZ 1850		105	EP		1221	17.24	0.14							1.0
MORF	BZ 1850		105	AMb		1221	27.90			221	1.4				
MESJ	BZ 1857		103	EP		1221	17.67	-0.11							1.0
MESJ	BZ 1857		103	AMb		1221	27.69			214	1.9				