

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

July to August

2015

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STATIONS USED

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

Lisboa (IGIDL)
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Marmelete (Picos)
MORF

Latitude	37.3063N
Longitude	8.6508W
Height	650m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

July 1 2015 Hour: 5:40 21.3 Lat: 36.59N Lon: 6.97W Depth: 24F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	170	298	EP		540	45.51	-.070							1.0
MORF	HN	170	298	ES		541	3.28	-.040							1.0
MORF	HN	170	298	IAML		541	4.26			7	0.2				
MESJ	HZ	178	322	EP		540	46.640	.090							1.0
MESJ	HE	178	322	ES		541	5.010	.010							1.0
MESJ	HE	178	322	IAML		541	6.04			10	0.1				

July 1 2015 Hour: 19:35 21.0 Lat: 10.99S Lon: 162.56E Depth: 9F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.0 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16854	346	EPKp	f		1955	8.470	.050							1.0
GGNV	BZ16854	346	EPP			1958	54.260	.030							1.0
GGNV	BZ16854	346	IAMs	_20		21 6	56.85			1303	20.5				
MESJ	BZ16921	344	EPKp	f		1955	9.32	-.040							1.0
MESJ	BZ16921	344	EPP			1958	57.68	-.010							1.0
MESJ	BZ16921	344	IAMs	_20		21 1	40.02			2046	21.4				
MORF	BZ16989	345	EPKp	f		1955	10.29	-.030							1.0
MORF	BZ16989	345	IAMs	_20		21 8	44.55			2260	16.3				

July 2 2015 Hour: 7:26 49.8 Lat: 34.69S Lon: 16.18W Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

SOUTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ 8003	6	EP			738	13.27	-.090							1.0
MORF	BZ 8003	6	IAMB			738	13.93			34	1.0				
MESJ	BZ 8066	7	EP			738	16.790	.090							1.0
MESJ	BZ 8066	7	IAMB			738	18.44			154	2.3				

July 3 2015 Hour: 1:7 46.4 Lat: 37.46N Lon: 78.13E Depth: 20F Agency: IGL Distant
Magnitudes: 6.8Ms 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 7315	300	EP			118	30.19	-.030							1.0
MESJ	BN 7315	300	ES			127	16.38	-.110							1.0
MESJ	BN 7315	300	IAMs	_20		145	47.81			51057	19.1				
GGNV	BZ 7337	301	EP			118	31.600	.100							1.0
GGNV	BN 7337	301	ES			127	19.040	.130							1.0
GGNV	BE 7337	301	IAMs	_20		154	13.51			41609	18.2				
MORF	BZ 7377	300	EP			118	33.980	.090							1.0
MORF	BN 7377	300	ES			127	23.25	-.180							1.0
MORF	BE 7377	300	IAMs	_20		154	25.59			54528	14.1				

July 3 2015 Hour: 6:43 22.0 Lat: 10.17N Lon: 125.90E Depth: 33F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 secs

LEYTE, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12891	321	EPP			7 3	4.510	.020							1.0
MESJ	BN12891	321	IAMs	_20		753	39.05			2540	19.0				
GGNV	BZ12894	322	EPP			7 3	4.640	.030							1.0
GGNV	BN12894	322	IAMs	_20		756	38.34			4807	34.7				
MORF	BZ12958	321	EPP			7 3	8.70	-.040							1.0
MORF	BE12958	321	IAMs	_20		756	45.67			3759	34.6				

July 4 2015 Hour: 3:14 56.0 Lat: 35.59N Lon: 7.09W Depth: 31F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	236	324	EP		315	27.32	-.130							1.0
MORF	HN	236	324	ES		315	50.550	.170							1.0
MORF	HN	236	324	IAML		315	55.89			84	0.2				
MESJ	HZ	269	338	EP		315	31.560	.050							1.0
MESJ	HN	269	338	ES		315	57.32	-.080							1.0
MESJ	HN	269	338	IAML		316	0.74			33	0.1				

July 4 2015 Hour: 22:29 36.2 Lat: 37.29N Lon: 9.19W Depth: 31F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NW VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	48	88	EP		2229	44.09	-.090							1.0
MORF	HE	48	88	ES		2229	50.130	.120							1.0
MORF	HN	48	88	IAML		2229	51.41			27	0.1				
MESJ	HZ	105	54	EP		2229	51.23	-.040							1.0

July 5 2015 Hour: 0:38 55.0 Lat: 36.21N Lon: 8.32W Depth: 32F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	346	EP		039	13.31	-.060							1.0
MESJ	HZ	181	3	EP		039	20.310	.040							1.0
MESJ	HN	181	3	ES		039	38.720	.020							1.0
MESJ	HE	181	3	IAML		039	41.31			1	0.2				

July 5 2015 Hour: 2: 2 51.3 Lat: 36.94N Lon: 8.71W Depth: 25F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	41	7	EP		2 2	58.65	-.120							1.0
MORF	HN	41	7	ES		2 3	4.400	.160							1.0
MORF	HE	41	7	IAML		2 3	5.07			15	0.1				
MESJ	HZ	109	23	EP		2 3	7.68	-.260							1.0
MESJ	HE	109	23	ES		2 3	20.330	.220							1.0
MESJ	HE	109	23	IAML		2 3	22.32			2	0.1				

July 5 2015 Hour: 11:52 58.7 Lat: 35.79N Lon: 4.68W Depth: 15F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	389	307	EP		1153	51.250	.250							1.0
MESJ	HN	389	307	ES		1154	29.15	-.020							1.0
MESJ	HN	389	307	IAML		1154	31.88			10	0.2				
MORF	HZ	393	296	EP		1153	51.33	-.220							1.0
MORF	HE	393	296	ES		1154	30.11	-.010							1.0
MORF	HN	393	296	IAML		1154	31.01			12	0.2				

July 5 2015 Hour: 17:11 22.2 Lat: 36.34N Lon: 4.64W Depth: 20F 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	359	299	EP		1712	10.520	.210							1.0
MESJ	HN	359	299	ES		1712	45.36	-.100							1.0
MESJ	HN	359	299	IAML		1712	47.36			11	0.1				
MORF	HN	373	288	ES		1712	48.49	-.110							1.0
MORF	HN	373	288	IAML		1712	51.36			14	0.1				

July 6 2015 Hour: 0:24 52.6 Lat: 36.65N Lon: 11.12W Depth: 20F 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	232	71	EP		025	24.86	-.060							1.0
MORF	HN	232	71	ES		025	48.52	-.000							1.0
MORF	HE	232	71	IAML		025	52.29			5	0.2				
MESJ	HN	289	62	ES		026	0.910	.070							1.0
MESJ	HN	289	62	IAML		026	2.51			2	0.2				

July 6 2015 Hour: 11:17 47.9 Lat: 7.22S Lon: 80.55W Depth: 38F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

OFF COAST OF NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8925	50	EP		1129	54.630	.050							1.0
MORF	BZ	8925	50	IAMB		1129	58.00			16	1.0				
MESJ	BZ	8979	50	EP		1129	57.05	-.050							1.0
MESJ	BZ	8979	50	IAMB		1129	59.03			7	0.9				

July 6 2015 Hour: 12:24 2.6 Lat: 20.79S Lon: 174.49W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17594		32	EPKp _{df}		1243	59.190	.100							1.0
MESJ	BZ17721		32	EPKp _{df}		1244	0.44	-.060							1.0
MESJ	BZ17721		32	EPP		1248	19.440	.010							1.0
MESJ	BZ17721		32	IAMs_20		1344	31.53			1115	29.0				
MORF	BZ17743		34	EPKp _{df}		1244	0.73	-.040							1.0
MORF	BZ17743		34	IAMs_20		1346	20.98			1806	30.3				

July 6 2015 Hour: 16:39 23.0 Lat: 35.69N Lon: 10.13W Depth: 16F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	223	36	EP		1639	54.63	-.000							1.0
MORF	HN	223	36	ES		1640	17.63	-.090							1.0
MORF	HN	223	36	IAML		1640	19.16			13	0.2				
MESJ	HZ	293	35	EP		1640	3.31	-.010							1.0
MESJ	HE	293	35	ES		1640	32.860	.110							1.0
MESJ	HN	293	35	IAML		1640	37.50			4	0.1				

July 7 2015 Hour: 4:15 56.5 Lat: 36.83N Lon: 8.44W Depth: 19F 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	56	341	EP		416	5.70	-.140							1.0
MORF	HN	56	341	ES		416	12.670	.010							1.0
MORF	HN	56	341	IAML		416	14.56			44	0.1				
MESJ	HZ	114	10	EP		416	14.24	-.010							1.0
MESJ	HN	114	10	ES		416	27.360	.150							1.0
MESJ	HN	114	10	IAML		416	29.62			20	0.1				

July 7 2015 Hour: 5:10 26.0 Lat: 43.99N Lon: 147.94E Depth: 38F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.3 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10571		342	EP		523	44.36	-.220							1.0
GGNV	BZ10571		342	EPP		527	35.060	.420							0.9
GGNV	BN10571		342	ESKSac		534	17.02	-.180							1.0
GGNV	BN10571		342	IAMs_20		6 0	50.58			12932	29.8				
MESJ	BZ10641		341	EP		523	47.690	.210							1.0
MESJ	BZ10641		341	EPP		527	39.800	.250							1.0
MESJ	BN10641		341	ESKSac		534	20.51	-.090							1.0

MESJ	BZ10641	341	IAMs_20	6	2	6.08			12772	28.1							
MORF	BZ10708	341	EP	523		50.540	.240										1.0
MORF	BZ10708	341	EPP	527		43.95	-.360										1.0
MORF	BN10708	341	ESKSac	534		23.64	-.260										1.0
MORF	BZ10708	341	IAMs_20	610		4.07			12921	23.3							

July 7 2015 Hour: 20: 3 13.2 Lat: 23.09S Lon: 177.03W Depth:120F Agency: IGL Distant Rms: 0.0 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17947		31	EPKPdf		2022	58.870	.070							1.0
MESJ	BZ18073		31	EPKPdf		2023	0.040	.030							1.0
MESJ	BZ18073		31	EPP		2027	33.46	-.050							1.0
MESJ	BN18073		31	ESS		2047	46.280	.020							1.0
MORF	BZ18097		33	EPKPdf		2023	0.27	-.010							1.0
MORF	BE18097		33	ESS		2047	48.51	-.060							1.0

July 7 2015 Hour: 20:35 11.2 Lat: 38.23N Lon: 8.68W Depth: 10F Agency: IGL Regional Magnitudes: 0.3ML IGL Rms: 0.1 secs

NE MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ		59	137	EP	2035	20.81	-.100							1.0
MESJ	HN		59	137	ES	2035	28.090	.100							1.0
MESJ	HN		59	137	IAML	2035	28.94			2	0.1				

July 8 2015 Hour: 14:52 54.6 Lat: 37.33N Lon: 8.51W Depth: 10F Agency: IGL Regional Magnitudes: 1.3ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ		13	258	EP	1452	57.18	-.090							1.0
MORF	HN		13	258	ES	1452	59.320	.100							1.0
MORF	HN		13	258	IAML	1452	59.80			100	0.1				
MESJ	HZ		62	24	EP	1453	4.73	-.010							1.0

July 9 2015 Hour: 13:25 54.0 Lat: 13.26N Lon: 90.26W Depth: 56F Agency: IGL Distant Magnitudes: 5.1Ms IGL Rms: 0.0 secs

OFFSHORE EL SALVADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8433	54	EP		1337	34.15	0.05							1.0
MESJ	BZ	8433	54	IAMs_20		14	8	27.49		1039	20.8				

July 9 2015 Hour: 17:22 13.6 Lat: 37.34N Lon: 8.49W Depth: 10F Agency: IGL Regional Magnitudes: 0.8ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ		15	255	EP	1722	16.41	-.160							1.0
MORF	HE		15	255	ES	1722	18.780	.080							1.0
MORF	HE		15	255	IAML	1722	19.18			48	0.2				
MESJ	HE		60	23	ES	1722	30.800	.080							1.0
MESJ	HN		60	23	IAML	1722	32.17			3	0.3				

July 9 2015 Hour: 18:19 24.2 Lat: 37.75N Lon: 9.19W Depth: 28F Agency: IGL Regional Magnitudes: 1.7ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ		69	136	EP	1819	35.49	-.090							1.0
MORF	HN		69	136	ES	1819	43.950	.100							1.0
MORF	HE		69	136	IAML	1819	44.89			36	0.1				
MESJ	HZ		86	83	EP	1819	37.880	.010							1.0
MESJ	HE		86	83	ES	1819	47.81	-.010							1.0
MESJ	HE		86	83	IAML	1819	48.73			16	0.1				

July 10 2015 Hour: 4:12 43.0 Lat: 9.31S Lon: 158.42E Depth: 10F Agency: IGL Distant
Magnitudes: 7.1Ms IGL Rms: 0.1 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16549	341	EP	KP	f	432	25.980	.010							1.0
GGNV	BN16549	341	ESS			455	11.16-	.040							1.0
GGNV	BZ16549	341	IAMs		20	540	5.69		36584	22.2					
MESJ	BZ16602	339	EP	KP	f	432	26.880	.110							1.0
MESJ	BE16602	339	ESS			455	16.44-	.180							1.0
MESJ	BZ16602	339	IAMs		20	540	3.17		31854	20.7					
MORF	BZ16672	339	EP	KP	f	432	27.910	.090							1.0
MORF	BZ16672	339	IAMs		20	541	38.08		37517	26.8					

July 10 2015 Hour: 6: 2 13.6 Lat: 36.87N Lon: 10.82W Depth: 31F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	254	64	EP		6	2	47.15-	.010						1.0
MESJ	HN	254	64	ES		6	3	11.690	.010						1.0
MESJ	HN	254	64	IAML		6	3	14.38		2	0.1				

July 11 2015 Hour: 11:27 0.4 Lat: 43.85N Lon: 148.01E Depth: 47F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

EAST OF KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10657	341	EP			1140	21.620	.060							1.0
MESJ	BZ10657	341	IAMB			1140	22.34		8	0.9					

July 11 2015 Hour: 19:45 55.7 Lat: 37.35N Lon: 8.48W Depth: 11F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	252	EP		1945	58.850	.010							1.0
MORF	HN	16	252	ES		1946	1.15-	.010							1.0
MORF	HN	16	252	IAML		1946	1.38		127	0.2					

July 11 2015 Hour: 23:36 58.3 Lat: 32.46N Lon: 16.37W Depth: 10F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	952	49	EP		2338	58.50-	.010							1.0

July 13 2015 Hour: 0:28 12.4 Lat: 37.17N Lon: 8.58W Depth: 19F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NW PORTIMAO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	337	EP		028	16.28-	.130							1.0
MORF	HE	16	337	ES		028	19.360	.010							1.0
MORF	HE	16	337	IAML		028	19.71		98	0.2					
MESJ	HZ	81	23	EP		028	25.490	.100							1.0
MESJ	HE	81	23	ES		028	34.900	.020							1.0
MESJ	HE	81	23	IAML		028	36.48		8	0.1					

July 13 2015 Hour: 17: 3 57.7 Lat: 35.85N Lon: 10.21W Depth: 12F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	214	40	EP		17	4	28.42-	.060						1.0
MORF	HE	214	40	ES		17	4	50.88-	.070						1.0
MORF	HE	214	40	IAML		17	4	51.61		3	0.2				
MESJ	HZ	283	38	EP		17	4	37.170	.060						1.0
MESJ	HE	283	38	ES		17	5	5.970	.080						1.0
MESJ	HN	283	38	IAML		17	5	8.21		0.90	0.1				

July 14 2015 Hour: 12:34 10.0 Lat: 7.23S Lon: 154.57E Depth: 35F Agency: IGL Distant
Rms: 0.0 secs

BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16226	335	EP	KPdf		1253	44.230	0.000							1.0

July 14 2015 Hour: 22:10 26.4 Lat: 36.58N Lon: 11.26W Depth: 28F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	246	70	EP		2211	0.070	0.100							1.0
MORF	HN	246	70	ES		2211	24.45	-0.000							1.0
MORF	HE	246	70	IAML		2211	27.50			26	0.3				
MESJ	HZ	304	62	EP		2211	7.01	-0.120							1.0
MESJ	HN	304	62	ES		2211	36.850	0.010							1.0
MESJ	HN	304	62	IAML		2211	39.92			11	0.2				

July 15 2015 Hour: 11:25 59.2 Lat: 27.35N Lon: 65.97E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Mb 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	6886	300	EP		1136	18.97	-0.040							1.0
MESJ	BZ	6886	300	IAMB		1136	21.25			70	1.3				
MESJ	BN	6886	300	ES		1144	43.870	0.120							1.0
MORF	BZ	6937	300	EP		1136	22.08	-0.100							1.0
MORF	BZ	6937	300	IAMB		1136	25.24			75	1.4				
MORF	BE	6937	300	ES		1144	49.730	0.030							1.0

July 15 2015 Hour: 14:10 3.6 Lat: 15.65S Lon: 41.10E Depth: 13F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

MOZAMBIQUE CHANNEL Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7841	320	EP		1421	18.06	-0.010							1.0
MORF	BZ	7841	320	IAMB		1421	20.05			47	1.3				
MESJ	BZ	7849	320	EP		1421	18.440	0.010							1.0
MESJ	BZ	7849	320	IAMB		1421	19.48			6	0.8				

July 16 2015 Hour: 11:14 7.4 Lat: 13.89N Lon: 58.49W Depth: 13F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.1 secs

BARBADOS REGION, WINWARD ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5561	53	EP		1110	41.19	-0.040							1.0
MORF	BN	5561	53	ES		1117	52.23	-0.150							1.0
MORF	BN	5561	53	IAMS_20		1123	13.60			5038	31.8				
MESJ	BZ	5612	52	EP		1110	44.880	0.190							1.0
MESJ	BN	5612	52	ES		1117	58.73	-0.000							1.0
MESJ	BN	5612	52	IAMS_20		1123	11.69			3447	22.5				

July 16 2015 Hour: 15:16 32.3 Lat: 13.88N Lon: 58.51W Depth: 10F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.2 secs

BARBADOS REGION, WINWARD ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	5561	51	EP		1525	26.44	-0.010							1.0
GGNV	BN	5561	51	ES		1532	38.08	0.20							1.0
GGNV	BZ	5561	51	IAMS_20		1539	35.11			25870	44.2				
MORF	BZ	5563	53	EP		1525	26.72	0.06							1.0
MORF	BN	5563	53	ES		1532	38.26	0.00							1.0
MORF	BN	5563	53	IAMS_20		1538	0.12			48460	22.8				
MESJ	BZ	5614	52	EP		1525	30.25	0.13							1.0
MESJ	BN	5614	52	ES		1532	44.15	-0.47							0.9
MESJ	BN	5614	52	IAMS_20		1537	59.11			40890	23.1				

July 16 2015 Hour: 19:21 43.4 Lat: 37.76N Lon: 8.81W Depth: 20F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

SE SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	52	164	EP		1921	52.00	-0.20							1.0
MORF	HN	52	164	ES		1921	58.65	0.01							1.0
MORF	HE	52	164	IAML		1921	59.19		6	0.1					
MESJ	HZ	53	80	EP		1921	52.43	0.19							1.0
MESJ	HE	53	80	ES		1921	58.72	0.01							1.0
MESJ	HN	53	80	IAML		1922	0.22		4	0.1					

July 17 2015 Hour: 17:45 45.3 Lat: 36.57N Lon: 12.16W Depth: 4F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	323	74	EP		1746	30.42	-.090							1.0
MESJ	HZ	377	67	EP		1746	37.260	0.080							1.0
MESJ	HN	377	67	ES		1747	15.090	0.020							1.0
MESJ	HN	377	67	IAML		1747	16.65		2	0.1					

July 17 2015 Hour: 18:49 54.1 Lat: 18.11S Lon: 178.20W Depth: 537F Agency: IGL Distant
Rms: 0.0 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17512	23	EP	KPdf		19 8	48.060	0.040							1.0
MESJ	BZ17636	22	EP	KPdf		19 8	49.34	-.070							1.0
MORF	BZ17670	24	EP	KPdf		19 8	49.860	0.030							1.0

July 17 2015 Hour: 19:31 10.3 Lat: 36.82N Lon: 8.77W Depth: 10F 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	55	11	EP		1931	19.25	-.040							1.0
MORF	HE	55	11	ES		1931	25.80	-.090							1.0
MORF	HE	55	11	IAML		1931	27.48		9	0.1					
MESJ	HZ	123	23	EP		1931	29.900	0.190							1.0
MESJ	HE	123	23	ES		1931	43.86	-.050							1.0
MESJ	HN	123	23	IAML		1931	46.11		4	0.1					

July 18 2015 Hour: 2:27 33.4 Lat: 10.44S Lon: 165.17E Depth: 10F Agency: IGL Distant
Magnitudes: 7.4Ms IGL Rms: 0.1 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16851	351	EP	KPdf		247	20.54	-.020							1.0
GGNV	BZ16851	351	EPP			251	6.19	-.070							1.0
GGNV	BZ16851	351	IAMs	20		348	50.95		72327	26.1					
MESJ	BZ16928	349	EP	KPdf		247	21.59	-.040							1.0
MESJ	BZ16928	349	EPP			251	10.270	0.030							1.0
MESJ	BN16928	349	ESS			310	39.520	0.030							1.0
MESJ	BZ16928	349	IAMs	20		4 3	6.24		61990	21.3					
MORF	BZ16995	349	EP	KPdf		247	22.53	-.040							1.0
MORF	BZ16995	349	EPP			251	13.790	0.100							1.0
MORF	BE16995	349	IAMs	20		346	25.20		62147	25.8					

July 18 2015 Hour: 3:22 22.7 Lat: 38.82N Lon: 8.15W Depth: 1 Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

SMORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	109	183	EP		322	40.31	-.010							1.0
MESJ	HN	109	183	ES		322	53.160	0.010							1.0
MESJ	HN	109	183	IAML		322	54.25		2	0.2					

July 18 2015 Hour: 13:14 37.5 Lat: 37.25N Lon: 8.57W Depth: 9F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	311	EP		1314	39.61	-.050							1.0
MORF	HN	10	311	ES		1314	41.290	.040							1.0
MORF	HN	10	311	IAML		1314	41.71			136	0.1				
MESJ	HE	72	25	ES		1314	57.860	.010							1.0
MESJ	HE	72	25	IAML		1315	0.07			2	0.1				

July 18 2015 Hour: 23:26 26.9 Lat: 38.79N Lon: 9.42W Depth: 19F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.1 secs

W SINTRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	25	109	EP		2326	31.63	-.220							1.0
GGNV	HE	25	109	ES		2326	35.43	-.030							1.0
GGNV	HE	25	109	IAML		2326	36.84			4733	0.2				
MESJ	HZ	149	135	EP		2326	48.96	-.050							0.9
MESJ	HE	149	135	ESg		2327	7.09	-.040							0.9
MESJ	HE	149	135	IAML		2327	9.57			407	0.1				
MORF	HZ	178	157	EP		2326	52.820	.160							0.9
MORF	HN	178	157	ES		2327	11.690	.220							0.9
MORF	HN	178	157	IAML		2327	18.54			549	0.2				

July 19 2015 Hour: 1:40 28.8 Lat: 38.77N Lon: 9.51W Depth: 10F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

SW SINTRA, PORTUGAL

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	153	132	EP		140	52.21	-.000							1.0
MESJ	HE	153	132	ES		141	9.320	.000							1.0
MESJ	HN	153	132	IAML		141	10.88			1.00	0.0				

July 19 2015 Hour: 17:3 4.7 Lat: 37.42N Lon: 9.12W Depth: 28F Agency: IGL Regional
Magnitudes: 1.2ML 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	43	107	EP		17	3	12.750	.110						1.0
MORF	HE	43	107	ES		17	3	18.490	.030						1.0
MORF	HN	43	107	IAML		17	3	19.06		53	0.1				
MESJ	HZ	92	59	EP		17	3	18.81	-.230						1.0
MESJ	HN	92	59	ES		17	3	29.620	.080						1.0
MESJ	HN	92	59	IAML		17	3	30.61		2	0.1				

July 20 2015 Hour: 1:32 5.5 Lat: 37.71N Lon: 9.00W Depth: 18F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	54	145	EP		132	14.560	.020							1.0
MORF	HE	54	145	ES		132	21.250	.100							1.0
MORF	HN	54	145	IAML		132	22.25			10	0.2				
MESJ	HZ	70	78	EP		132	16.70	-.170							1.0
MESJ	HE	70	78	ES		132	25.230	.050							1.0
MESJ	HE	70	78	IAML		132	26.42			3	0.1				

July 20 2015 Hour: 5:28 36.0 Lat: 34.82S Lon: 54.51E Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Ms IGL Rms: 0.1 secs

SOUTHWEST INDIAN RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10319	315	EP			541	48.24	-.240							1.0
MESJ	BZ10319	315	IAMs_20			621	32.62			1396	46.7				

July 20 2015 Hour: 6:26 14.7 Lat: 37.52N Lon: 7.58W Depth: 18F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs
NW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	67	302	EP		626	25.690	.110							1.0
MESJ	HN	67	302	ES		626	33.44	-.070							1.0
MESJ	HN	67	302	IAML		626	35.03			77	0.1				
MORF	HZ	98	256	EP		626	30.270	.000							1.0
MORF	HN	98	256	ES		626	41.57	-.050							1.0
MORF	HE	98	256	IAML		626	43.25			118	0.1				

July 20 2015 Hour: 11: 8 19.4 Lat: 35.51S Lon: 105.09W Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 secs
SOUTHERN EAST PACIFIC RISE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BE12782	61	ESS			1143	56.61	-.050							1.0
MORF	BZ12782	61	IAMs_20			1212	1.91			2396	18.5				
MESJ	BZ12843	61	EPP			1128	3.090	.010							1.0
MESJ	BN12843	61	ESS			1144	3.750	.040							1.0
MESJ	BZ12843	61	IAMs_20			12	8	18.04		1952	20.8				

July 20 2015 Hour: 20:19 4.1 Lat: 36.81N Lon: 98.20W Depth: 5F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs
OKLAHOMA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7626	59	EP		2030	8.350	.130							1.0
MORF	BZ	7626	59	IAMB		2030	13.05			14	1.0				
MESJ	BZ	7629	58	EP		2030	8.18	-.130							1.0
MESJ	BZ	7629	58	IAMB		2030	10.58			51	1.9				

July 21 2015 Hour: 1:27 10.3 Lat: 19.21N Lon: 96.27E Depth: 25F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.1 secs
MYANMAR Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9935	310	EP		140	4.640	.080							1.0
MESJ	BZ	9935	310	IAMB		140	6.36			29	1.3				
MORF	BZ	9994	310	EP		140	7.02	-.080							1.0
MORF	BZ	9994	310	IAMB		140	8.46			25	1.3				

July 21 2015 Hour: 2:53 48.2 Lat: 36.77N Lon: 10.45W Depth: 24F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	231	58	EP		254	20.05	-.040							1.0
MESJ	HE	231	58	ES		254	43.390	.040							1.0
MESJ	HN	231	58	IAML		254	44.14			2	0.1				

July 21 2015 Hour: 3: 5 1.8 Lat: 37.38N Lon: 8.52W Depth: 9F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs
NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	235	EP		3	5	4.520	.000						1.0
MORF	HN	14	235	ES		3	5	6.53	-.000						1.0
MORF	HN	14	235	IAML		3	5	6.89		73	0.1				

July 21 2015 Hour: 21:12 20.8 Lat: 36.57N Lon: 7.59W Depth: 26F 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	152	339	EP		2112	42.71	-.040							1.0
MESJ	HN	152	339	ES		2112	58.780	.040							1.0
MESJ	HN	152	339	IAML		2113	0.47			3	0.1				

July 22 2015 Hour: 4:35 48.4 Lat: 37.34N Lon: 8.54W Depth: 4F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.0 secs
NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	62	27	EP		435	58.470	.060							1.0
MESJ	HE	62	27	ES		436	5.71	-.050							1.0
MESJ	HN	62	27	IAML		436	9.17		827	0.1					
GGNV	HN	162	341	ES		436	31.84	-.010							1.0
GGNV	HN	162	341	IAML		436	37.74		995	0.5					

July 22 2015 Hour: 5:25 13.6 Lat: 37.73N Lon: 8.28W Depth: 12F Agency: IGL Regional
Magnitudes: 2.4ML 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	13	23	EP		525	16.570	.090							1.0
MESJ	HN	13	23	ES		525	18.52	-.090							1.0
MESJ	HN	13	23	IAML		525	18.75		1093	0.1					

July 22 2015 Hour: 20:23 38.2 Lat: 34.42N Lon: 4.50W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.2 secs
MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	506	320	EP		2024	46.02	-.220							1.0
MESJ	HE	506	320	ES		2025	36.160	.220							1.0
MESJ	HN	506	320	IAML		2025	37.41		2	0.2					

July 23 2015 Hour: 3:28 43.9 Lat: 36.11N Lon: 7.58W Depth: 30F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	200	344	EP		329	11.52	-.020							1.0
MESJ	HN	200	344	ES		329	31.760	.020							1.0
MESJ	HN	200	344	IAML		329	34.76		3	0.2					

July 23 2015 Hour: 3:56 54.0 Lat: 0.69S Lon: 21.16W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb 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
MESJ	BZ	4470	16	EP		4	4	30.41	-.030						1.0
MESJ	BZ	4470	16	IAMB		4	4	32.55		111	1.8				
MESJ	BE	4470	16	ES		410	38.190	.010							1.0
GGNV	BZ	4535	14	EP		4	4	35.240	.020						1.0
GGNV	BZ	4535	14	IAMB		4	4	38.36		53	1.0				

July 23 2015 Hour: 10:39 37.7 Lat: 36.54N Lon: 9.70W Depth: 12F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	195	42	EP		1040	6.160	.000							1.0
MESJ	HN	195	42	ES		1040	26.94	-.000							1.0
MESJ	HN	195	42	IAML		1040	28.05		2	0.1					

July 24 2015 Hour: 2:39 42.8 Lat: 40.24N Lon: 26.29E Depth: 11F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs
WESTERN TURKEY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2981	276	EP		245	22.96	-.050							1.0
MESJ	BZ	2981	276	IAMB		245	37.46		66	2.3					
MESJ	BE	2981	276	ES		250	0.200	.050							1.0

July 24 2015 Hour: 15: 7 1.9 Lat: 36.58N Lon: 7.98W Depth: 17F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 141 351 EP 15 7 23.24-.020 1.0
 MESJ HN 141 351 ES 15 7 38.880.020 1.0
 MESJ HN 141 351 IAML 15 7 39.72 1 0.1

July 24 2015 Hour: 23:14 38.8 Lat: 20.30S Lon: 70.26W Depth: 34F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs
OFFSHORE TARAPACA, CHILE Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ 9134 45 EP 2326 55.85-.030 1.0
 MESJ BZ 9134 45 IAMB 2327 1.16 8 0.8

July 24 2015 Hour: 23:14 20.4 Lat: 36.66N Lon: 10.82W Depth: 30F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 265 60 EP 2314 56.12-.080 1.0
 MESJ HN 265 60 ES 2315 22.380.080 1.0
 MESJ HN 265 60 IAML 2315 24.18 2 0.1

July 25 2015 Hour: 15:58 26.4 Lat: 35.49N Lon: 11.52W Depth: 5F Agency: IGL Regional
Magnitudes: 2.2ML 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 394 47 EP 1559 20.28-.010 1.0
 MESJ HN 394 47 ES 1559 59.610.010 1.0
 MESJ HN 394 47 IAML 16 0 2.20 6 0.0

July 26 2015 Hour: 0:11 10.9 Lat: 38.35N Lon: 7.57W Depth: 6F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs
SW REGUENGOS DE MONSARAZ, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 80 225 EP 011 23.82-.050 1.0
 MESJ HN 80 225 ES 011 33.420.050 1.0
 MESJ HN 80 225 IAML 011 35.00 2 0.2

July 26 2015 Hour: 5:39 18.5 Lat: 37.05N Lon: 8.60W Depth: 4F 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
 MESJ HZ 94 21 EP 539 33.52-.120 1.0
 MESJ HN 94 21 ES 539 44.820.120 1.0
 MESJ HN 94 21 IAML 539 46.93 4 0.1

July 26 2015 Hour: 7: 5 8.8 Lat: 9.25S Lon: 112.69E Depth: 59F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs
SOUTH OF JAVA, INDONESIA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ13350 308 EPKpdf 723 52.26-.060 1.0
 MESJ BZ13350 308 EPP 725 17.01-.030 1.0
 MESJ BZ13350 308 IAMs_20 813 19.60 930 25.5
 GGNV BZ13408 310 EPP 725 20.660.090 1.0
 GGNV BZ13408 310 IAMs_20 821 15.53 7181 62.8

July 26 2015 Hour: 22:42 15.7 Lat: 18.03S Lon: 174.06W Depth: 29F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	17437	29	EPKPdf		23 2	7.380	.040							1.0
MESJ	BN	17437	29	ESS		2326	6.82	-.040							1.0
MESJ	BZ	17437	29	IAMs_20		24 3	0.97		1994	26.3					

July 27 2015 Hour: 4:49 46.3 Lat: 52.44N Lon: 169.60W Depth: 27F Agency: IGL Distant
Magnitudes: 7.0Ms IGL Rms: 0.1 secs

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9735	15	EP		5 2	31.650	.100							1.0
GGNV	BZ	9735	15	EPP		5 5	57.20	-.070							1.0
GGNV	BN	9735	15	ESKSac		512	57.40	-.040							1.0
GGNV	BN	9735	15	ESS		518	59.76	-.030							1.0
GGNV	BZ	9735	15	IAMs_20		549	40.57		40805	18.3					
MESJ	BZ	9847	15	EP		5 2	36.27	-.070							1.0
MESJ	BZ	9847	15	EPP		5 6	5.370	.020							1.0
MESJ	BN	9847	15	ESKSac		513	3.54	-.050							1.0
MESJ	BN	9847	15	ESS		519	14.640	.170							0.9
MESJ	BZ	9847	15	IAMs_20		543	35.66		81547	23.6					

July 27 2015 Hour: 7:40 31.4 Lat: 52.32N Lon: 169.31W Depth: 31F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9743	15	EP		753	16.450	.010							1.0
GGNV	BZ	9743	15	IAmb		753	20.51		36	0.7					
MESJ	BZ	9855	15	EP		753	21.23	-.010							1.0
MESJ	BZ	9855	15	IAmb		753	34.49		12	1.2					

July 27 2015 Hour: 21:41 22.1 Lat: 2.68S Lon: 138.51E Depth: 48F Agency: IGL Distant
Magnitudes: 7.4Ms IGL Rms: 0.1 secs

PAPUA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	14869	325	EPKPdf		22 0	32.880	.050							1.0
GGNV	BZ	14869	325	EPP		22 3	1.81	-.060							1.0
GGNV	BZ	14869	325	IAMs_20		2257	55.46		111000	26.8					
MESJ	BZ	14873	323	EPKPdf		22 0	32.91	-.020							1.0
MESJ	BZ	14873	323	EPP		22 3	2.200	.080							1.0
MESJ	BN	14873	323	ESS		2220	45.72	-.050							1.0
MESJ	BZ	14873	323	IAMs_20		2257	43.06		60212	19.4					

July 28 2015 Hour: 21:21 34.6 Lat: 52.14N Lon: 169.54W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.0 secs

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9879	15	EP		2134	28.71	-.030							1.0
MESJ	BZ	9879	15	IAMs_20		2215	45.69		1304	17.8					

July 28 2015 Hour: 21:40 33.2 Lat: 38.22N Lon: 8.77W Depth: 12F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NW MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	64	131	EP		2140	43.710	.100							1.0
MESJ	HN	64	131	ES		2140	51.09	-.100							1.0
MESJ	HN	64	131	IAML		2140	52.07		1	0.1					

July 29 2015 Hour: 0:10 24.3 Lat: 8.24N Lon: 77.30W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs

PANAMA-COLOMBIA BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	7554	52	EP		021	22.980	.020							1.0
GGNV	BZ	7554	52	IAMs_20		046	37.06			7220	42.1				
MESJ	BZ	7623	53	EP		021	26.84	-.050							1.0
MESJ	BN	7623	53	ES		030	29.770	.030							1.0
MESJ	BZ	7623	53	IAMs_20		047	12.43			4305	22.4				

July 29 2015 Hour: 2:35 57.9 Lat: 59.90N Lon: 153.28W Depth: 121F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.2 secs

SOUTHERN ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8592	28	EP		247	39.150	.290							1.0
GGNV	BZ	8592	28	IAMB		247	42.08			536	1.2				
GGNV	BZ	8592	28	EP		248	9.79	-.120							1.0
GGNV	BN	8592	28	ES		257	19.27	-.040							1.0
MESJ	BZ	8710	28	EP		247	44.890	.160							1.0
MESJ	BZ	8710	28	IAMB		247	47.74			153	1.2				
MESJ	BZ	8710	28	EP		248	15.68	-.160							1.0
MESJ	BN	8710	28	ES		257	30.54	-.130							1.0

July 29 2015 Hour: 16: 5 1.6 Lat: 52.18N Lon: 169.42W Depth: 20F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.0 secs

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9872	15	EP		1617	53.840	.040							1.0
MESJ	BZ	9872	15	IAMs_20		1659	11.62			755	17.3				

July 29 2015 Hour: 17:56 38.4 Lat: 10.89S Lon: 166.23E Depth: 148F Agency: IGL Distant
Rms: 0.0 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	16997	350	EP	KPdf	1816	9.57	-.050							1.0

July 29 2015 Hour: 22: 0 52.3 Lat: 36.49N Lon: 34.92E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

CENTRAL TURKEY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3801	286	EP		22 7	37.840	.090							1.0
MESJ	BZ	3801	286	IAMB		22 7	39.30			51	1.3				

July 30 2015 Hour: 3:20 21.2 Lat: 36.32N Lon: 9.15W Depth: 13F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	188	26	EP		320	48.740	.070							1.0
MESJ	HE	188	26	ES		321	8.66	-.070							1.0
MESJ	HE	188	26	IAML		321	9.62			4	0.2				

August 1 2015 Hour: 3:38 43.8 Lat: 25.34S Lon: 154.33E Depth: 10F Agency: IGL Distant
Rms: 0.1 secs

NEAR EAST COAST OF AUSTRALIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	17872	314	EP	KPdf	358	43.10	-.160							1.0
MESJ	BZ	17872	314	EPP		4 3	8.250	.160							1.0

August 1 2015 Hour: 12: 2 13.0 Lat: 35.27N Lon: 3.68W Depth: 3F Agency: IGL Regional
Magnitudes: 3.0ML 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	496	306	EP		12 3	19.59	-.010							1.0
MESJ	HE	496	306	ES		12 4	8.19	-.040							1.0
MESJ	HN	496	306	IAML		12 4	13.44			24	0.4				
MORF	HZ	500	298	EP		12 3	20.160	.040							1.0
MORF	HN	500	298	ES		12 4	9.140	.020							1.0
MORF	HN	500	298	IAML		12 4	15.68			39	0.3				

August 1 2015 Hour: 12: 5 1.6 Lat: 35.32N Lon: 3.67W Depth: 10F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	494	306	EP		12 6	7.07	-.110							1.0
MESJ	HN	494	306	ES		12 6	55.180	.140							1.0
MESJ	HN	494	306	IAML		12 6	57.17			3	0.2				
MORF	HZ	499	298	EP		12 6	7.69	-.090							1.0
MORF	HN	499	298	ES		12 6	56.130	.050							1.0
MORF	HN	499	298	IAML		12 7	0.14			6	0.2				

August 1 2015 Hour: 23:10 17.8 Lat: 36.59N Lon: 7.63W Depth: 21F 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	148	339	EP		2310	39.55	-.080							1.0
MESJ	HN	148	339	ES		2310	55.680	.080							1.0
MESJ	HN	148	339	IAML		2310	58.77			3	0.2				

August 2 2015 Hour: 0: 1 35.2 Lat: 36.76N Lon: 9.60W Depth: 21F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	104	54	EP		0 1	51.55	-.000							1.0
MORF	HN	104	54	ES		0 2	3.530	.040							1.0
MORF	HN	104	54	IAML		0 2	4.07			5	0.2				
MESJ	HZ	171	45	EP		0 1	59.89	-.030							1.0
MESJ	HE	171	45	ES		0 2	17.96	-.010							1.0
MESJ	HE	171	45	IAML		0 2	18.74			1	0.1				

August 2 2015 Hour: 6:58 5.8 Lat: 39.34N Lon: 15.69E Depth:240F Agency: IGL Distant
Magnitudes: 4.5Mb IGL Rms: 0.3 secs

SOUTHERN ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2084	273	EP		7 2	6.99	-.020							1.0
MESJ	BZ	2084	273	IAMB		7 2	7.59			22	1.3				

August 2 2015 Hour: 10:36 4.2 Lat: 36.59N Lon: 6.97W Depth: 26F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	178	322	EP		1036	29.370	.050							1.0
MESJ	HN	178	322	ES		1036	47.63	-.050							1.0
MESJ	HN	178	322	IAML		1036	48.77			6	0.2				

August 2 2015 Hour: 17:36 17.9 Lat: 36.69N Lon: 9.76W Depth: 27F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	120	55	EP		1736	35.940	.030							1.0
MORF	HE	120	55	ES		1736	48.95	-.070							1.0
MORF	HE	120	55	IAML		1736	49.45			7	0.3				

MESJ HZ	187	46	EP		1736	44.190	0.020													1.0
MESJ HN	187	46	ES		1737	3.340	0.020													1.0
MESJ HE	187	46	IAML		1737	4.96				2	0.2									

August 3 2015 Hour: 13:16 3.0 Lat: 27.39N Lon: 65.91E Depth: 27F Agency: IGL Distant
Magnitudes: 5.5Mb 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	6879	300	EP			1326	19.810	0.080							1.0
MESJ BZ	6879	300	IAMB			1326	21.02			57	1.4				

August 3 2015 Hour: 14: 1 51.6 Lat: 16.45S Lon: 174.39W Depth: 165F Agency: IGL Distant
Rms: 0.0 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ	17300	27	EP	KPdf		1421	24.610	0.030							1.0
MESJ BZ	17300	27	EPP			1425	28.87	-0.030							1.0
MORF BZ	17328	29	EP	KPdf		1421	24.970	0.000							1.0

August 3 2015 Hour: 17: 8 30.7 Lat: 36.47N Lon: 9.73W Depth: 27F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	134	46	EP			17 8	50.25	-0.060							1.0
MORF HN	134	46	ES			17 9	4.680	0.020							1.0
MORF HN	134	46	IAML			17 9	5.54			37	0.2				
MESJ HZ	203	41	EP			17 8	58.940	0.080							1.0
MESJ HN	203	41	ES			17 9	19.40	-0.040							1.0
MESJ HN	203	41	IAML			17 9	20.00			11	0.1				

August 3 2015 Hour: 20: 1 0.6 Lat: 36.87N Lon: 3.97W Depth: 67F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	392	287	EP			20 1	51.46	-0.110							1.0
MESJ HN	392	287	ES			20 2	28.760	0.020							1.0
MESJ HN	392	287	IAML			20 2	31.04			4	0.1				
MORF HZ	419	278	EP			20 1	54.990	0.090							1.0

August 4 2015 Hour: 16:24 3.8 Lat: 36.62N Lon: 4.42W Depth: 72F Agency: IGL Regional
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	363	293	EP			1624	51.28	-0.090							1.0

August 5 2015 Hour: 0:20 43.9 Lat: 35.96N Lon: 10.15W Depth: 28F 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	201	41	EP			021	11.74	-0.030							1.0
MORF HN	201	41	ES			021	32.180	0.030							1.0
MORF HN	201	41	IAML			021	34.99			30	0.2				
MESJ HZ	270	39	EP			021	20.34	-0.040							1.0
MESJ HN	270	39	ES			021	47.090	0.040							1.0
MESJ HE	270	39	IAML			021	50.85			10	0.3				

August 5 2015 Hour: 4:30 57.8 Lat: 36.79N Lon: 8.33W Depth: 21F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	64	334	EP			431	8.28	-0.050							1.0
MORF HN	64	334	ES			431	16.180	0.130							1.0
MORF HN	64	334	IAML			431	17.41			43	0.1				
MESJ HZ	117	5	EP			431	15.47	-0.250							1.0

MESJ HN 117 5 ES 431 29.000.160 1.0
 MESJ HN 117 5 IAML 431 33.11 15 0.1

**August 5 2015 Hour: 6:11 43.1 Lat: 37.93N Lon: 7.36W Depth: 1F Agency: IGL Regional
 Magnitudes: 1.8ML IGL Rms: 0.0 secs**

E SERPA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	76	263	EP		611	55.390	.010							1.0
MESJ	HN	76	263	ES		612	4.380	.010							1.0
MESJ	HE	76	263	IAML		612	6.81			27	0.1				
MORF	HZ	133	239	EP		612	4.49	-.080							1.0
MORF	HN	133	239	ES		612	20.330	.060							1.0
MORF	HN	133	239	IAML		612	22.96			19	0.2				

**August 5 2015 Hour: 15:54 27.8 Lat: 37.36N Lon: 8.74W Depth: 4F Agency: IGL Regional
 Magnitudes: 0.6ML IGL Rms: 0.0 secs**

NE ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	127	EP		1554	29.58	-.010							1.0
MORF	HN	10	127	ES		1554	30.86	-.010							1.0
MORF	HN	10	127	IAML		1554	31.46			58	0.1				
MESJ	HN	70	41	ES		1554	47.500	.020							1.0
MESJ	HE	70	41	IAML		1554	48.59			2	0.1				

**August 5 2015 Hour: 16:26 52.7 Lat: 41.62N Lon: 2.27W Depth: 4F Agency: IGL Regional
 Magnitudes: 4.0ML IGL Rms: 0.2 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	661	232	EP		1628	19.100	.050							1.0
MESJ	HN	661	232	ES		1629	22.170	.040							1.0
MESJ	HE	661	232	ESg		1629	56.88	-.090							1.0
MESJ	HN	661	232	IAML		1630	10.16			101	0.6				
GGNV	HE	669	243	ESg		1629	59.07	-.190							1.0
GGNV	HN	669	243	IAML		1630	11.29			306	0.6				
MORF	HZ	729	231	EP		1628	27.17	-.060							1.0
MORF	HN	729	231	ES		1629	36.630	.350							1.0
MORF	HE	729	231	ESg		1630	15.85	-.080							1.0
MORF	HE	729	231	IAML		1630	37.42			112	1.0				

**August 6 2015 Hour: 3:20 15.7 Lat: 35.64N Lon: 9.98W Depth: 31F Agency: IGL Regional
 Magnitudes: 2.4ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	220	32	EP		320	45.06	-.050							1.0
MORF	HN	220	32	ES		321	6.54	-.010							1.0
MORF	HN	220	32	IAML		321	9.02			44	0.2				
MESJ	HZ	290	32	EP		320	53.70	-.120							1.0
MESJ	HN	290	32	ES		321	21.790	.180							1.0
MESJ	HN	290	32	IAML		321	23.67			9	0.2				

**August 6 2015 Hour: 7:33 44.5 Lat: 37.31N Lon: 8.58W Depth: 15F Agency: IGL Regional
 Magnitudes: 0.3ML IGL Rms: 0.0 secs**

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	266	EP		733	47.10	-.050							1.0
MORF	HN	6	266	ES		733	49.150	.050							1.0
MORF	HN	6	266	IAML		733	49.90			10	0.2				

August 6 2015 Hour: 8:55.7 Lat: 36.44N Lon: 8.89W Depth: 5F 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	99	12	EP		8 6	14.45	-.160							1.0
MORF	HE	99	12	ES		8 6	26.390	.160							1.0
MORF	HN	99	12	IAML		8 6	27.55			10	0.2				

August 6 2015 Hour: 10:33.25.8 Lat: 37.11N Lon: 8.78W Depth: 8F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

W LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	25	28	EP		1033	30.130	.100							1.0
MORF	HN	25	28	ES		1033	33.00	-.100							1.0
MORF	HE	25	28	IAML		1033	33.84			18	0.1				

August 6 2015 Hour: 21:36.57.6 Lat: 0.83N Lon: 28.53W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Ms IGL Rms: 0.0 secs

CENTRAL MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4527	25	EP		2144	38.31	-.030							1.0
MORF	BN	4527	25	ES		2150	49.49	-.020							1.0
MORF	BZ	4527	25	IAMs_20		2157	41.50			1587	21.0				
MESJ	BZ	4598	25	EP		2144	43.560	.060							1.0
MESJ	BN	4598	25	ES		2150	58.81	-.010							1.0
MESJ	BZ	4598	25	IAMs_20		2158	10.25			1485	24.3				

August 6 2015 Hour: 23:59.45.6 Lat: 26.46S Lon: 178.25W Depth: 269F Agency: IGL Distant
Rms: 0.6 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18325	34	EP	KPdf		2419	17.150	.610							1.0
GGNV	BZ18325	34	EPP			2424	0.74	-.600							1.0
MESJ	BZ18452	34	EP	KPdf		2419	18.180	.640							1.0
MESJ	BZ18452	34	EPP			2424	6.48	-.780							1.0
MORF	BZ18472	37	EP	KPdf		2419	18.410	.670							1.0
MORF	BZ18472	37	EPP			2424	7.68	-.550							1.0

August 7 2015 Hour: 1:25.1.9 Lat: 2.17S Lon: 28.92E Depth: 11F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

LAC KIVU REGION, CONGO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5844	322	EP		134	15.240	.070							1.0
MORF	BZ	5844	322	IAMB		134	20.71			72	1.5				
MORF	BN	5844	322	ES		141	42.48	-.180							0.9
MESJ	BZ	5853	323	EP		134	15.730	.000							1.0
MESJ	BZ	5853	323	IAMB		134	20.13			11	0.7				
MESJ	BE	5853	323	ES		141	43.710	.010							1.0
GGNV	BZ	5978	323	EP		134	24.070	.090							1.0
GGNV	BZ	5978	323	IAMB		134	26.45			27	0.7				
GGNV	BN	5978	323	ES		141	58.94	-.010							1.0

August 7 2015 Hour: 5:49.6.0 Lat: 36.74N Lon: 11.38W Depth: 30F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	251	75	EP		549	40.120	.100							1.0
MORF	HN	251	75	ES		550	4.75	-.090							1.0
MORF	HN	251	75	IAML		550	6.32			60	0.2				
MESJ	HZ	306	66	EP		549	46.70	-.090							1.0
MESJ	HN	306	66	ES		550	16.630	.080							1.0
MESJ	HE	306	66	IAML		550	18.40			10	0.2				

August 7 2015 Hour: 12:18 49.3 Lat: 1.08N Lon: 85.20W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.1 secs

OFF COAST OF ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BE	8756	52	ES		1240	49.68	-.100							1.0
MESJ	BZ	8801	52	EP		1230	54.130	.130							1.0
MESJ	BE	8801	52	ES		1240	53.99	-.030							1.0
MESJ	BZ	8801	52	IAMS_20		1257	1.83			2076	50.5				

August 8 2015 Hour: 10:17 49.8 Lat: 37.20N Lon: 7.69W Depth: 3F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

NW TAVIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	85	327	EP		1018	3.46	-.090							1.0
MESJ	HN	85	327	ES		1018	13.640	.070							1.0
MESJ	HE	85	327	IAML		1018	15.58			3	0.1				
MORF	HN	86	278	ES		1018	13.870	.020							1.0
MORF	HN	86	278	IAML		1018	16.50			14	0.3				

August 8 2015 Hour: 13:55 15.5 Lat: 37.32N Lon: 8.59W Depth: 9F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.2 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	254	EP		1355	16.95	-.330							1.0
MORF	HE	6	254	ES		1355	18.680	.090							1.0
MORF	HN	6	254	IAML		1355	19.46			608	0.1				
MESJ	HZ	66	29	EP		1355	26.380	.090							1.0
MESJ	HE	66	29	ES		1355	34.330	.160							1.0
MESJ	HN	66	29	IAML		1355	35.28			5	0.0				

August 8 2015 Hour: 15:22 32.4 Lat: 37.34N Lon: 8.71W Depth: 3F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NE ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	125	EP		1522	33.44	-.190							1.0
MORF	HN	6	125	ES		1522	34.600	.100							1.0
MORF	HN	6	125	IAML		1522	35.11			67	0.1				
MESJ	HZ	70	38	EP		1522	43.900	.100							1.0
MESJ	HN	70	38	ES		1522	52.09	-.000							1.0
MESJ	HE	70	38	IAML		1522	53.33			2	0.1				

August 8 2015 Hour: 22:35 34.6 Lat: 37.38N Lon: 13.55W Depth: 18F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	434	90	EP		2236	32.17	-.000							1.0
MORF	HN	434	90	ES		2237	14.190	.010							1.0
MORF	HN	434	90	IAML		2237	15.72			30	0.3				
MESJ	HZ	473	82	EP		2236	36.87	-.010							1.0

August 9 2015 Hour: 0:5 40.0 Lat: 37.26N Lon: 8.59W Depth: 5F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	314	EP		0	5	41.30	-.160						1.0
MORF	HN	7	314	ES		0	5	42.710	.160						1.0
MORF	HN	7	314	IAML		0	5	43.15			51	0.1			
MESJ	HZ	72	27	EP		0	5	51.670	.040						1.0
MESJ	HE	72	27	ES		0	6	0.11	-.040						1.0
MESJ	HE	72	27	IAML		0	6	1.32			1	0.1			

August 9 2015 Hour: 4:5 8.1 Lat: 36.97N Lon: 8.55W Depth: 12F Agency: IGL Regional
Magnitudes: 0.8ML 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	38	347	EP		4	5	14.800	.200						1.0
MORF	HE	38	347	ES		4	5	19.20	-.150						1.0
MORF	HN	38	347	IAML		4	5	20.36		8	0.0				
MESJ	HZ	101	17	EP		4	5	24.160	.120						1.0
MESJ	HN	101	17	ES		4	5	35.52	-.170						1.0
MESJ	HE	101	17	IAML		4	5	36.37		3	0.2				

August 9 2015 Hour: 4:46 20.5 Lat: 27.41S Lon: 176.10W Depth: 10F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.1 secs

KERMADEC ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18278	41	EPK	pdf		5	6	23.760	.110						1.0
GGNV	BN18278	41	ESS			531	36.590	.040							1.0
GGNV	BZ18278	41	IAMs	20		615	0.31		4024	24.2					
MESJ	BZ18404	41	EPK	pdf		5	6	24.67	-.010						1.0
MESJ	BN18404	41	ESS			531	48.02	-.110							1.0
MESJ	BZ18404	41	IAMs	20		618	36.85		3843	16.0					
MORF	BZ18413	44	EPK	pdf		5	6	24.77	-.030						1.0
MORF	BZ18413	44	IAMs	20		621	44.08		4165	13.9					

August 9 2015 Hour: 19:36 17.1 Lat: 10.82N Lon: 72.12W Depth: 104F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

ZULIA, VENEZUELA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6951	54	EP		1946	29.43	-.040							1.0
MORF	BZ	6951	54	IAMB		1946	30.88		13	0.7					
MESJ	BZ	6997	53	EP		1946	32.180	.040							1.0
MESJ	BZ	6997	53	IAMB		1946	33.66		24	0.9					

August 10 2015 Hour: 4:12 14.8 Lat: 9.32S Lon: 158.01E Depth: 15F Agency: IGL Distant
Magnitudes: 0.1Ms IGL Rms: 0.1 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16534	341	EPK	pdf		431	56.810	.100							1.0
MESJ	BZ16586	339	EPK	pdf		431	57.550	.060							1.0
MESJ	BE16586	339	ESS			454	45.44	-.010							1.0
MORF	BZ16656	339	EPK	pdf		431	58.49	-.050							1.0
MORF	BE16656	339	ESS			454	52.47	-.100							1.0

August 10 2015 Hour: 4:24 32.5 Lat: 9.31S Lon: 157.96E Depth: 10F Agency: IGL Distant
Magnitudes: 0.1Ms IGL Rms: 0.0 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16583	338	EPK	pdf		444	16.000	.010							1.0
MORF	BZ16653	339	EPK	pdf		444	17.04	-.010							1.0

August 10 2015 Hour: 6:44 23.5 Lat: 36.75N Lon: 7.09W Depth: 30F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	152	294	EP		644	44.97	-.260							1.0
MORF	HE	152	294	ES		645	1.110	.020							1.0
MORF	HN	152	294	IAML		645	2.93		12	0.0					
MESJ	HZ	157	321	EP		644	46.030	.200							1.0
MESJ	HN	157	321	ES		645	2.170	.050							1.0
MESJ	HN	157	321	IAML		645	4.07		12	0.2					

August 10 2015 Hour: 7:43 38.8 Lat: 19.62S Lon: 174.81W Depth: 57F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17628	30	EP	KPdf		8 3	28.87	-.090							1.0
MESJ	BZ17628	30	IAMs_20			843	18.35			362	22.5				

August 10 2015 Hour: 7:52 14.6 Lat: 36.69N Lon: 7.69W Depth: 10F 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	HZ	110	309	EP		752	31.92	-.030							1.0
MESJ	HZ	136	340	EP		752	35.880	.000							1.0
MESJ	HN	136	340	ES		752	51.470	.030							1.0
MESJ	HE	136	340	IAML		752	52.46			5	0.0				

August 10 2015 Hour: 10: 5 22.5 Lat: 36.48N Lon: 71.28E Depth: 209F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.2 secs

HINDU KUSH REGION, AFGHANISTAN Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6833	298	EP		1015	16.89	-.010							1.0
MESJ	BZ	6833	298	IAMB		1015	20.36			121	1.1				
MESJ	BN	6833	298	ES		1023	22.130	.240							1.0
GGNV	BZ	6864	299	EP		1015	18.850	.110							1.0
GGNV	BZ	6864	299	IAMB		1015	22.47			229	1.2				
GGNV	BN	6864	299	ES		1023	24.93	-.420							1.0
MORF	BZ	6893	297	EP		1015	20.640	.070							1.0
MORF	BZ	6893	297	IAMB		1015	23.17			400	2.1				

August 11 2015 Hour: 1:44 14.1 Lat: 36.40N Lon: 3.53W Depth: 2F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	446	292	EP		145	14.900	.160							1.0
MESJ	HN	446	292	ES		145	58.85	-.160							1.0
MESJ	HN	446	292	IAML		146	3.63			7	0.4				

August 11 2015 Hour: 13:35 49.3 Lat: 27.10S Lon: 176.23W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18387	40	EP	KPdf		1355	53.330	.010							1.0
MESJ	BE18387	40	ESS			1421	15.31	-.060							1.0
MESJ	BZ18387	40	IAMs_20			1525	2.35			1108	18.4				
MORF	BZ18398	43	EP	KPdf		1355	53.43	-.030							1.0
MORF	BZ18398	43	EPP			14 0	38.820	.090							1.0
MORF	BZ18398	43	IAMs_20			1520	0.67			1014	19.6				

August 12 2015 Hour: 18:19 16.6 Lat: 9.28S Lon: 157.91E Depth: 10F Agency: IGL Distant
Magnitudes: 6.8Ms IGL Rms: 0.0 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16578	338	EP	KPdf		1839	0.090	.050							1.0

August 12 2015 Hour: 18:49 23.6 Lat: 9.32S Lon: 157.93E Depth: 5F Agency: IGL Distant
Magnitudes: 6.8Ms IGL Rms: 0.0 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16532	340	EP	KPdf		19 9	7.17	-.020							1.0
GGNV	BZ16532	340	IAMs_20			2018	8.58			17104	20.7				
MESJ	BZ16583	338	EP	KPdf		19 9	8.000	.040							1.0
MESJ	BZ16583	338	IAMs_20			2013	45.82			13959	27.1				
MORF	BZ16653	339	EP	KPdf		19 9	9.00	-.020							1.0

MORF BZ16653 339 IAMs_20 2018 6.47 13630 14.8

**August 12 2015 Hour: 23:11 25.7 Lat: 36.18N Lon: 8.11W Depth: 32F 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	134	339	EP		2311	45.11	-.050							1.0
MORF	HN	134	339	ES		2311	59.29	-.050							1.0
MORF	HN	134	339	IAML		2312	4.61			736	0.2				
MESJ	HZ	184	357	EP		2311	51.53	0.140							1.0
MESJ	HN	184	357	ES		2312	10.08	-.040							1.0
MESJ	HN	184	357	IAML		2312	11.30			443	0.2				

**August 13 2015 Hour: 6: 6 42.9 Lat: 38.07N Lon: 8.25W Depth: 0 Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs**

W FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	26	174	EP		6 6	46.99	-.100							1.0
MESJ	HN	26	174	ES		6 6	50.06	-.050							1.0
MESJ	HN	26	174	IAML		6 6	50.20			88	0.1				
MORF	HZ	92	203	EP		6 6	57.97	0.220							1.0
MORF	HN	92	203	ES		6 7	8.50	-.060							1.0
MORF	HN	92	203	IAML		6 7	10.44			48	0.2				

**August 13 2015 Hour: 19:48 9.3 Lat: 37.24N Lon: 8.57W Depth: 1 Agency: IGL Regional
Magnitudes: 1.0ML 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	316	EP		1948	10.92	-.110							1.0
MORF	HN	10	316	ES		1948	12.35	0.080							1.0
MORF	HN	10	316	IAML		1948	12.74			104	0.2				
MESJ	HZ	73	25	EP		1948	21.21	0.030							1.0

**August 13 2015 Hour: 21:35 10.5 Lat: 37.70N Lon: 8.93W Depth: 1F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs**

NW ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	64	76	EP		2135	20.82	-.120							1.0
MESJ	HE	64	76	ES		2135	28.64	0.120							1.0
MESJ	HE	64	76	IAML		2135	29.62			1	0.1				

**August 14 2015 Hour: 13:28 1.0 Lat: 27.32S Lon: 176.04W Depth: 13F 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	BZ18392	41	EPKp \bar{d} f			1348	4.58	0.030							1.0
MESJ	BZ18392	41	IAMs_20			1457	24.52			1887	15.2				
MORF	BZ18402	44	EPKp \bar{d} f			1348	4.65	-.030							1.0
MORF	BZ18402	44	IAMs_20			15 2	55.56			1698	13.6				

**August 14 2015 Hour: 16:45 43.7 Lat: 36.55N Lon: 7.23W Depth: 20F 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
MESJ	HZ	168	329	EP		1646	8.06	-.080							1.0
MESJ	HE	168	329	ES		1646	26.04	0.080							1.0
MESJ	HE	168	329	IAML		1646	27.85			7	0.1				

August 14 2015 Hour: 17: 2 55.3 Lat: 36.63N Lon: 9.72W Depth: 18F 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	121	51	EP		17 3	14.170	.050							1.0
MORF	HE	121	51	ES		17 3	27.980	.130							1.0
MORF	HN	121	51	IAML		17 3	28.73			25	0.1				
MESJ	HZ	189	44	EP		17 3	22.51	-.000							1.0
MESJ	HN	189	44	ES		17 3	42.18	-.180							1.0
MESJ	HN	189	44	IAML		17 3	43.24			5	0.1				

August 14 2015 Hour: 18: 3 4.2 Lat: 21.11N Lon: 45.85W Depth: 19F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4005	55	EP		1810	3.94	-.010							1.0
MORF	BZ	4005	55	IAMB		1810	12.23			54	0.7				
GGNV	BZ	4010	53	EP		1810	4.300	.080							1.0
GGNV	BZ	4010	53	IAMB		1810	11.91			187	1.0				
MESJ	BZ	4058	54	EP		1810	7.95	-.030							1.0
MESJ	BZ	4058	54	IAMB		1810	15.43			131	1.7				
MESJ	BE	4058	54	ES		1815	49.84	-.040							1.0

August 15 2015 Hour: 0:42 37.1 Lat: 36.40N Lon: 4.78W Depth: 54F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	345	299	EP		043	22.28	-.030							1.0
MESJ	HN	345	299	ES		043	55.320	.030							1.0
MESJ	HN	345	299	IAML		043	56.73			2	0.1				

August 15 2015 Hour: 5: 6 55.6 Lat: 36.51N Lon: 8.33W Depth: 15F 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	93	342	EP		5 7	10.380	.030							1.0
MESJ	HZ	148	4	EP		5 7	17.79	-.120							1.0
MESJ	HN	148	4	ES		5 7	34.300	.080							1.0
MESJ	HN	148	4	IAML		5 7	36.39			4	0.1				

August 15 2015 Hour: 6:49 9.7 Lat: 36.09N Lon: 2.38W Depth: 18F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	555	292	EP		650	21.960	.000							1.0

August 15 2015 Hour: 7:47 8.5 Lat: 10.90S Lon: 163.88E Depth: 6F Agency: IGL Distant
Magnitudes: 6.6Ms IGL Rms: 0.3 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16876	348	EPKp _{df}			8 6	56.39	-.360							1.0
GGNV	BZ16876	348	IAMs ₂₀			922	37.52			6450	15.1				
MESJ	BZ16947	346	EPKp _{df}			8 6	57.780	.030							1.0
MESJ	BZ16947	346	IAMs ₂₀			916	3.35			7891	13.2				
MORF	BZ17015	347	EPKp _{df}			8 6	59.020	.320							1.0
MORF	BZ17015	347	IAMs ₂₀			920	52.40			8925	21.9				

August 15 2015 Hour: 10:49 0.2 Lat: 34.84N Lon: 5.56W Depth: 18F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	390	315	EP		1049	52.35	-.060							1.0
MORF	HN	390	315	ES		1050	30.650	.110							1.0
MORF	HN	390	315	IAML		1050	32.53			8	0.4				
MESJ	HZ	410	325	EP		1049	54.64	-.120							1.0
MESJ	HN	410	325	ES		1050	34.680	.070							1.0
MESJ	HN	410	325	IAML		1050	38.83			14	0.3				

August 15 2015 Hour: 22:56 22.2 Lat: 36.60N Lon: 2.79W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	501	288	EP		2257	29.67	-.050							1.0

August 16 2015 Hour: 4:43 29.3 Lat: 37.11N Lon: 8.27W Depth: 12F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	40	303	EP		443	36.11	-.020							1.0
MORF	HE	40	303	ES		443	41.03	-.050							1.0
MORF	HE	40	303	IAML		443	42.48			89	0.2				
MESJ	HZ	81	3	EP		443	42.530	.230							1.0
MESJ	HN	81	3	ES		443	51.60	-.160							1.0
MESJ	HN	81	3	IAML		443	53.91			62	0.1				

August 16 2015 Hour: 5:12 48.7 Lat: 36.59N Lon: 7.28W Depth: 19F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	162	329	EP		513	12.36	-.110							1.0
MESJ	HN	162	329	ES		513	29.910	.110							1.0
MESJ	HN	162	329	IAML		513	32.08			2	0.3				

August 17 2015 Hour: 5:15 55.3 Lat: 36.38N Lon: 7.82W Depth: 32F 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	166	348	EP		5	2	18.780	.160						1.0
MESJ	HN	166	348	ES		5	2	35.51	-.160						1.0
MESJ	HE	166	348	IAML		5	2	36.41		3	0.2				

August 17 2015 Hour: 14:42 32.1 Lat: 21.93N Lon: 146.64E Depth: 3F Agency: IGL Distant
Rms: 0.1 secs

MARIANA ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12910	338	EPP			15	2	20.820	.160						1.0
MORF	BZ12980	338	EPP			15	2	24.95	-.160						1.0

August 18 2015 Hour: 0:43 48.0 Lat: 36.73N Lon: 7.48W Depth: 22F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	140	332	EP		044	8.57	-.100							1.0
MESJ	HE	140	332	ES		044	23.870	.100							1.0
MESJ	HE	140	332	IAML		044	24.52			3	0.2				

August 18 2015 Hour: 0:45 1.3 Lat: 36.93N Lon: 8.68W Depth: 30F 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	42	4	EP		045	9.270	.080							1.0
MORF	HN	42	4	ES		045	14.88	-.080							1.0
MORF	HN	42	4	IAML		045	15.53			12	0.1				

August 18 2015 Hour: 5:39 37.9 Lat: 37.33N Lon: 8.49W Depth: 7F 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	15	260	EP		539	40.36	-.200							1.0
MORF	HE	15	260	ES		539	42.570	.080							1.0
MORF	HE	15	260	IAML		539	42.94			295	0.2				
MESJ	HZ	61	23	EP		539	47.81	-.080							1.0
MESJ	HN	61	23	ES		539	55.370	.200							1.0
MESJ	HN	61	23	IAML		539	57.97			8	0.1				

August 18 2015 Hour: 17:14 4.9 Lat: 36.56N Lon: 9.78W Depth: 13F 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	130	50	EP		1714	25.310	.070							1.0
MORF	HE	130	50	ES		1714	40.04	-.060							1.0
MORF	HN	130	50	IAML		1714	41.21			23	0.2				
MESJ	HZ	198	44	EP		1714	33.720	.060							1.0
MESJ	HN	198	44	ES		1714	54.60	-.070							1.0
MESJ	HN	198	44	IAML		1714	55.76			6	0.3				

August 18 2015 Hour: 21:19 44.4 Lat: 35.54N Lon: 31.30E Depth: 55F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs
CYPRUS REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3515	286	EP		2126	2.180	.100							1.0
MESJ	BZ	3515	286	IAMB		2126	3.63			13	0.5				

August 19 2015 Hour: 11:14 13.2 Lat: 36.98N Lon: 8.41W Depth: 27F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	42	329	EP		1114	20.960	.050							1.0
MORF	HN	42	329	ES		1114	26.580	.010							1.0
MORF	HN	42	329	IAML		1114	27.12			91	0.3				
MESJ	HZ	97	10	EP		1114	28.15	-.060							1.0

August 19 2015 Hour: 21:28 11.8 Lat: 37.34N Lon: 8.55W Depth: 11F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.2 secs
NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	247	EP		2128	13.99	-.230							1.0
MORF	HN	10	247	ES		2128	16.160	.160							1.0
MORF	HN	10	247	IAML		2128	16.59			18	0.2				
MESJ	HZ	63	28	EP		2128	21.91	-.100							1.0
MESJ	HE	63	28	ES		2128	29.640	.170							1.0
MESJ	HE	63	28	IAML		2128	30.47			1.00	0.1				

August 19 2015 Hour: 22:15 47.6 Lat: 9.66S Lon: 28.61E Depth: 15F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

LAKE MWERU REGION, CONGO-ZAMBIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6492	325	EP		2225	42.290	.010							1.0
MORF	BZ	6492	325	IAMB		2225	44.01			41	1.2				
MESJ	BZ	6508	326	EP		2225	43.21	-.010							1.0
MESJ	BZ	6508	326	IAMB		2225	44.72			12	0.7				

August 20 2015 Hour: 5:21 36.5 Lat: 36.45N Lon: 7.50W Depth: 10F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	140	313	ES		522	14.390	.130							1.0
MORF	HN	140	313	IAML		522	17.04			14	0.2				
MESJ	HZ	167	338	EP		522	1.52	-.130							1.0
MESJ	HE	167	338	ES		522	20.01	-.010							1.0
MESJ	HE	167	338	IAML		522	20.95			2	0.2				

August 20 2015 Hour: 11: 0 10.6 Lat: 0.51N Lon: 126.62E Depth: 50F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.1 secs

MOLUCCA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13755	318	EP	KPdf		1119	2.12	-.030							1.0
MESJ	BZ13755	318	EPP			1120	44.600	.110							1.0
MESJ	BZ13755	318	IAMS	20		12 6	11.66			429	20.2				
MORF	BZ13819	317	EP	KPdf		1119	3.22	-.080							1.0

August 20 2015 Hour: 11: 9 10.9 Lat: 36.63N Lon: 8.19W Depth: 22F Agency: IGL Regional
Magnitudes: 2.5ML 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	86	331	EP		11 9	24.640	.010							1.0
MORF	HE	86	331	ES		11 9	34.60	-.030							1.0
MORF	HN	86	331	IAML		11 9	37.11			149	0.2				
MESJ	HZ	134	359	EP		11 9	30.980	.020							1.0

August 20 2015 Hour: 13:56 51.7 Lat: 36.50N Lon: 11.30W Depth: 31F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	252	68	EP		1357	25.00	-.110							1.0
MORF	HE	252	68	ES		1357	49.580	.080							1.0
MORF	HE	252	68	IAML		1357	51.87			3	0.2				
MESJ	HZ	311	61	EP		1357	32.420	.030							1.0

August 21 2015 Hour: 12:34 54.5 Lat: 36.68N Lon: 9.80W Depth: 17F 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	124	55	EP		1235	13.700	.010							1.0
MORF	HN	124	55	ES		1235	27.63	-.070							1.0
MORF	HN	124	55	IAML		1235	30.02			18	0.2				
MESJ	HZ	190	47	EP		1235	21.87	-.060							1.0
MESJ	HN	190	47	ES		1235	42.070	.120							1.0
MESJ	HE	190	47	IAML		1235	43.09			4	0.1				

**August 21 2015 Hour: 14:24 45.8 Lat: 36.68N Lon: 9.70W Depth: 20F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	53	EP		1425	3.76	-.100							1.0
MORF	HN	116	53	ES		1425	17.01	-.010							1.0
MORF	HE	116	53	IAML		1425	18.81			10	0.2				
MESJ	HZ	184	45	EP		1425	12.12	-.080							1.0
MESJ	HE	184	45	ES		1425	31.640	.190							1.0
MESJ	HN	184	45	IAML		1425	35.54			3	0.1				

**August 21 2015 Hour: 21:21 12.2 Lat: 36.76N Lon: 4.63W Depth: 19F 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	340	292	EP		2121	58.140	.050							1.0

**August 21 2015 Hour: 21:23 2.9 Lat: 36.84N Lon: 4.76W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	326	291	EP		2123	48.75	-.140							1.0
MORF	HZ	350	280	EP		2123	52.030	.150							1.0

**August 22 2015 Hour: 0:10 41.7 Lat: 36.17N Lon: 9.86W Depth: 0 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	166	40	EP		011	7.82	-.010							1.0
MORF	HN	166	40	ES		011	27.000	.110							1.0
MORF	HN	166	40	IAML		011	29.56			3	0.3				
MESJ	HZ	236	38	EP		011	16.37	-.100							1.0

**August 22 2015 Hour: 0:36 9.1 Lat: 36.62N Lon: 7.66W Depth: 21F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	117	311	ES		036	40.16	-.060							1.0
MORF	HE	117	311	IAML		036	41.50			3	0.2				
MESJ	HZ	144	340	EP		036	30.510	.010							1.0
MESJ	HE	144	340	ES		036	46.150	.050							1.0
MESJ	HE	144	340	IAML		036	47.36			2	0.2				

**August 22 2015 Hour: 2:54 17.4 Lat: 36.30N Lon: 1.91E Depth: 21F Agency: IGL Regional
Rms: 0.0 secs**

NORTHERN ALGERIA Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	916	284	EP		256	12.31	-.000							1.0

**August 22 2015 Hour: 9:17 54.7 Lat: 36.81N Lon: 9.43W Depth: 25F 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	89	51	EP		918	8.77	-.010							1.0
MORF	HE	89	51	ES		918	19.060	.000							1.0
MORF	HN	89	51	IAML		918	19.98			7	0.1				
MESJ	HZ	157	43	EP		918	17.22	-.090							1.0
MESJ	HN	157	43	ES		918	33.910	.090							1.0
MESJ	HE	157	43	IAML		918	35.59			3	0.1				

August 22 2015 Hour: 15:44.7 Lat: 38.78N Lon: 7.96W Depth: 1F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs
NE ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	107	192	EP		15	5	0.930	0.050						1.0
MESJ	HE	107	192	ES		15	5	13.42	-.050						1.0
MESJ	HN	107	192	IAML		15	5	14.37		6	0.1				

August 23 2015 Hour: 4:48 49.0 Lat: 13.13N Lon: 90.24W Depth: 49F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.0 secs
OFFSHORE EL SALVADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8439	54	EP		5	0	30.150	0.020						1.0
MESJ	BZ	8439	54	IAMs_20		530	23.61			1618	23.9				

August 23 2015 Hour: 10:17 32.0 Lat: 36.63N Lon: 3.42W Depth: 15F Agency: IGL Regional
Magnitudes: 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	447	289	EP		1018	31.22	-.090							1.0
MORF	HZ	472	281	EP		1018	34.500	0.100							1.0

August 23 2015 Hour: 12:17 24.3 Lat: 35.91N Lon: 7.70W Depth: 30F 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	177	332	EP		1217	48.94	-.170							1.0
MORF	HN	177	332	ES		1218	7.250	0.040							1.0
MORF	HN	177	332	IAML		1218	8.82			5	0.2				
MESJ	HZ	219	348	EP		1217	54.550	0.220							1.0
MESJ	HN	219	348	ES		1218	16.17	-.080							1.0
MESJ	HE	219	348	IAML		1218	16.96			4	0.1				

August 23 2015 Hour: 19:45 18.7 Lat: 37.01N Lon: 10.07W Depth: 12F 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	130	75	EP		1945	39.150	0.030							1.0
MORF	HN	130	75	ES		1945	54.02	-.020							1.0
MORF	HN	130	75	IAML		1945	54.80			68	0.2				
MESJ	HZ	188	60	EP		1945	46.22	-.030							1.0
MESJ	HE	188	60	ES		1946	6.390	0.020							1.0
MESJ	HE	188	60	IAML		1946	7.91			15	0.1				

August 23 2015 Hour: 21:16 10.3 Lat: 36.87N Lon: 11.13W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	226	77	EP		2116	40.19	-.150							1.0
MORF	HN	226	77	ES		2117	2.310	0.010							1.0
MORF	HN	226	77	IAML		2117	3.40			9	0.1				
MESJ	HZ	279	66	EP		2116	46.91	-.070							1.0
MESJ	HE	279	66	ES		2117	13.990	0.210							1.0
MESJ	HN	279	66	IAML		2117	15.80			3	0.2				

August 23 2015 Hour: 23:10 3.9 Lat: 29.67S Lon: 71.43W Depth: 34F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 secs
OFFSHORE COQUIMBO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9881	45	EP		2322	54.39	-.090							1.0
MORF	BZ	9881	45	IAMB		2322	55.81			51	1.3				
MORF	BE	9881	45	ESKsac		2333	20.770	0.100							1.0
MESJ	BZ	9948	45	EP		2322	57.22	-.010							1.0

MESJ BZ 9948 45 IAmb 2322 58.11 20 1.0

**August 24 2015 Hour: 9:41 26.3 Lat: 30.88S Lon: 178.32W Depth:221F Agency: IGL Distant
Rms: 0.0 secs**

KERMADEC ISLANDS, NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18703		46	EPP		10 6	4.880	.030							1.0
MESJ	BZ18827		47	EPKpdf		10 1	6.41	-.010							1.0
MESJ	BZ18827		47	EPP		10 6	10.500	.020							1.0
MORF	BZ18830		50	EPP		10 6	10.66	-.040							1.0

**August 24 2015 Hour: 21:22 53.3 Lat: 36.54N Lon: 9.74W Depth: 30F 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	129	48	EP		2123	12.11	-.040							1.0
MORF	HN	129	48	ES		2123	25.990	.060							1.0
MORF	HN	129	48	IAML		2123	26.63			21	0.1				
MESJ	HZ	198	43	EP		2123	20.54	-.090							1.0
MESJ	HN	198	43	ES		2123	40.660	.070							1.0
MESJ	HN	198	43	IAML		2123	42.43			6	0.2				

**August 25 2015 Hour: 0:56 21.6 Lat: 36.68N Lon: 7.46W Depth: 17F 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	145	333	EP		056	43.46	-.010							1.0
MESJ	HN	145	333	ES		056	59.420	.010							1.0
MESJ	HN	145	333	IAML		057	0.54			2	0.0				

**August 25 2015 Hour: 9:22 34.7 Lat: 36.85N Lon: 7.81W Depth: 30F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	90	304	EP		922	48.56	-.180							1.0
MORF	HN	90	304	ES		922	59.130	.120							1.0
MORF	HN	90	304	IAML		922	59.43			41	0.1				
MESJ	HZ	116	342	EP		922	52.040	.180							1.0
MESJ	HN	116	342	ES		923	4.28	-.120							1.0
MESJ	HN	116	342	IAML		923	6.14			18	0.1				

**August 26 2015 Hour: 6:42 15.1 Lat: 37.30N Lon: 8.54W Depth: 15F Agency: IGL Regional
Magnitudes: 0.2ML 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	10	274	EP		642	17.95	-0.08							1.0
MORF	HN	10	274	ES		642	20.26	0.08							1.0
MORF	HE	10	274	IAML		642	21.05			7	0.1				

**August 26 2015 Hour: 8:57 49.0 Lat: 38.78N Lon: 9.77W Depth: 24F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.2 secs**

NW CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	54	97	ES		858	5.020	.010							1.0
GGNV	HN	54	97	IAML		858	7.26			165	0.2				
MESJ	HZ	171	127	EP		858	13.530	.050							0.9
MESJ	HE	171	127	ES		858	31.660	.320							0.9
MESJ	HE	171	127	IAML		858	36.69			9	0.2				
MORF	HZ	191	149	EP		858	15.93	-.030							0.9
MORF	HN	191	149	ES		858	35.28	-.350							0.9
MORF	HN	191	149	IAML		858	36.05			42	0.3				

August 26 2015 Hour: 11:22 27.6 Lat: 36.95N Lon: 8.66W Depth: 0 Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	40	1	EP		1122	33.93	-.040							1.0
MORF	HN	40	1	ES		1122	38.61	-.020							1.0
MORF	HN	40	1	IAML		1122	39.87			5	0.1				
MESJ	HE	106	21	ES		1122	57.26	0.060							1.0
MESJ	HE	106	21	IAML		1122	57.76			2	0.0				

August 26 2015 Hour: 13:34 54.5 Lat: 35.43N Lon: 9.69W Depth: 31F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	228	24	EP		1335	24.94	0.01							1.0
MORF	HE	228	24	ES		1335	47.10	-0.01							1.0
MORF	HN	228	24	IAML		1335	48.92			5	0.3				

August 26 2015 Hour: 13:51 37.0 Lat: 57.47S Lon: 25.91W Depth: 32F Agency: IGL Distant
Magnitudes: 5.4Ms 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	BZ10609		14	EP		14 4	57.56	-0.06							1.0
MORF	BZ10609		14	IAMs_20		1440	53.21			1746	24.7				
MESJ	BZ10674		14	EP		14 5	0.24	0.06							1.0
MESJ	BZ10674		14	IAMs_20		1441	43.49			1633	30.4				

August 26 2015 Hour: 21:56 37.5 Lat: 27.05N Lon: 44.48W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3588	61	EP		22 3	6.16	-.040							1.0
MESJ	BZ	3588	61	IAMB		22 3	13.08			23	1.2				
MESJ	BE	3588	61	ES		22 8	20.59	0.040							1.0

August 27 2015 Hour: 6:42 27.3 Lat: 37.70N Lon: 8.93W Depth: 1 Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

NW ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	50	150	EP		642	35.33	-.110							1.0
MORF	HN	50	150	ES		642	41.38	0.030							1.0
MORF	HE	50	150	IAML		642	42.08			1304	0.3				
MESJ	HZ	64	76	EP		642	37.81	0.070							1.0
MESJ	HN	64	76	ES		642	45.41	0.080							1.0
MESJ	HE	64	76	IAML		642	48.84			225	0.1				
GGNV	HN	114	350	ES		642	59.21	-.070							1.0
GGNV	HN	114	350	IAML		643	1.34			237	0.2				

August 27 2015 Hour: 9:35 26.9 Lat: 38.76N Lon: 19.05W Depth: 18F Agency: IGL Regional
Magnitudes: 3.1ML 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	927	97	EP		937	23.40	0.030							1.0
MORF	HE	927	97	ES		938	48.28	-.080							1.0
MORF	HN	927	97	IAML		938	57.10			12	0.1				
MESJ	HZ	952	93	EP		937	26.35	-.010							1.0
MESJ	HE	952	93	ES		938	53.58	0.050							1.0
MESJ	HE	952	93	IAML		939	0.86			13	0.1				

August 27 2015 Hour: 10:50 56.9 Lat: 26.92N Lon: 44.25W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs
NORTHERN MID_ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	3528	62	EP		1057	20.83	-.080							1.0
MORF	BZ	3528	62	IAMB		1057	21.44			62	1.6				
MESJ	BZ	3575	61	EP		1057	24.62	0.080							1.0
MESJ	BZ	3575	61	IAMB		1057	26.28			19	1.4				

August 27 2015 Hour: 12:19 25.9 Lat: 36.57N Lon: 9.83W Depth: 10F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	133	52	EP		1219	46.96	0.050							1.0
MORF	HN	133	52	ES		1220	2.14	-.080							1.0
MORF	HN	133	52	IAML		1220	2.90			27	0.2				
MESJ	HZ	201	45	EP		1219	55.38	0.070							1.0
MESJ	HN	201	45	ES		1220	16.71	-.040							1.0
MESJ	HE	201	45	IAML		1220	18.82			10	0.1				

August 27 2015 Hour: 20:22 21.1 Lat: 37.64N Lon: 7.80W Depth: 1 Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs
W MERTOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	43	301	EP		2022	27.96	-.090							1.0
MESJ	HN	43	301	ES		2022	33.22	0.090							1.0
MESJ	HE	43	301	IAML		2022	34.17			3	0.1				

August 28 2015 Hour: 0:42 23.1 Lat: 37.11N Lon: 8.56W Depth: 16F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	23	340	EP		042	27.47	-.180							1.0
MORF	HE	23	340	ES		042	31.03	0.070							1.0
MORF	HE	23	340	IAML		042	31.41			182	0.2				
MESJ	HZ	86	20	EP		042	37.07	0.170							1.0
MESJ	HE	86	20	ES		042	46.91	-.060							1.0
MESJ	HE	86	20	IAML		042	48.42			12	0.2				

August 28 2015 Hour: 23:15 51.9 Lat: 37.26N Lon: 7.72W Depth: 12F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
NW TAVIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	78	326	EP		23 2	4.32	-.110							1.0
MESJ	HN	78	326	ES		23 2	13.54	-.010							1.0
MESJ	HN	78	326	IAML		23 2	15.78			10	0.1				
MORF	HZ	83	274	EP		23 2	5.02	-.130							1.0
MORF	HE	83	274	ES		23 2	15.06	0.250							1.0
MORF	HN	83	274	IAML		23 2	17.10			28	0.1				

August 29 2015 Hour: 13:53 38.5 Lat: 36.66N Lon: 7.47W Depth: 27F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	147	333	EP		13 5	59.73	-.030							1.0
MESJ	HN	147	333	ES		13 6	15.30	0.030							1.0
MESJ	HE	147	333	IAML		13 6	17.48			5	0.1				

August 29 2015 Hour: 21:47 41.2 Lat: 36.60N Lon: 8.52W Depth: 22F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	79	352	EP		2147	53.97	-.080							1.0
MORF	HN	79	352	ES		2148	3.490	.080							1.0
MORF	HN	79	352	IAML		2148	4.35			5	0.1				
MESJ	HZ	140	11	EP		2148	2.00	-.000							1.0

August 30 2015 Hour: 4:16 21.1 Lat: 36.62N Lon: 11.23W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	242	71	ES		417	16.710	.050							1.0
MORF	HN	242	71	IAML		417	18.63			12	0.1				
MESJ	HZ	299	62	EP		417	0.14	-.180							1.0
MESJ	HN	299	62	ES		417	29.070	.120							1.0
MESJ	HN	299	62	IAML		417	30.62			2	0.1				

August 30 2015 Hour: 5:24 28.4 Lat: 36.72N Lon: 9.70W Depth: 15F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	114	55	ES		524	59.480	.080							1.0
MORF	HN	114	55	IAML		525	0.48			15	0.1				
MESJ	HZ	181	46	EP		524	54.58	-.190							1.0
MESJ	HE	181	46	ES		525	14.170	.110							1.0
MESJ	HE	181	46	IAML		525	14.79			4	0.2				

August 30 2015 Hour: 13:28 1.8 Lat: 37.83N Lon: 21.34E Depth: 21F Agency: IGL Distant
Magnitudes: 0.0ML IGL Rms: 0.0 secs

SOUTHERN GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2591	279	EP		1333	8.460	.040							1.0

August 30 2015 Hour: 18:50 54.6 Lat: 37.30N Lon: 8.58W Depth: 13F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

SW MONCHIQUE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	276	EP		1850	56.91	-.070							1.0
MORF	HN	6	276	ES		1850	58.810	.070							1.0
MORF	HN	6	276	IAML		1850	59.36			17	0.1				

August 31 2015 Hour: 16:51 56.2 Lat: 36.42N Lon: 9.82W Depth: 10F 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	143	46	EP		1652	18.41	-.090							1.0
MORF	HN	143	46	ES		1652	34.790	.030							1.0
MORF	HN	143	46	IAML		1652	36.05			17	0.1				
MESJ	HZ	212	42	EP		1652	26.90	-.130							1.0
MESJ	HN	212	42	ES		1652	49.700	.190							1.0
MESJ	HN	212	42	IAML		1652	51.06			4	0.1				

August 31 2015 Hour: 17:10 6.7 Lat: 37.21N Lon: 9.06W Depth: 29F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	38	73	EP		1710	14.100	.040							1.0
MORF	HE	38	73	ES		1710	19.38	-.040							1.0
MORF	HN	38	73	IAML		1710	20.03			7	0.1				

August 31 2015 Hour: 23:33 50.5 Lat: 36.43N Lon: 7.77W Depth: 20F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	321	EP		2334	9.46	-.110							1.0
MORF	HN	125	321	ES		2334	23.520	.010							1.0
MORF	HN	125	321	IAML		2334	25.66			4	0.3				
MESJ	HE	161	346	ES		2334	31.390	.100							1.0
MESJ	HE	161	346	IAML		2334	32.95			3	0.1				