

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

September to October

2018

Instituto D. Luiz
University of Lisbon
Faculty of Science
Campo Grande
Edifício C1, Piso 1
1749 016 Lisboa
Portugal

Tel : +351-213921866
E-Mail : sigidl@fc.ul.pt

IDL.UL.PT

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	37.3043N
Longitude	8.6527W
Height	560m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

September 1 2018 Hour: 8:49 5.6 Lat: 38.11N Lon: 8.25W Depth: 6F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	30	175	EP		849	10.49	-.040							1.0
MESJ	HE	30	175	ES		849	14.200	.040							1.0
MESJ	HN	30	175	IAML		849	14.45			6	0.1				

September 1 2018 Hour: 11:12 37.5 Lat: 44.29N Lon: 28.23W Depth: 10F Agency: IGL Distant
Magnitudes: 4.7Mb 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
MORF	BZ	1819	109	EP		1116	27.410	.010							1.0
MORF	BZ	1819	109	IAMB		1116	34.86			269	2.5				
MESJ	BZ	1822	106	EP		1116	27.68	-.010							1.0
MESJ	BZ	1822	106	IAMB		1116	34.19			51	1.4				

September 2 2018 Hour: 1:23 12.7 Lat: 36.64N Lon: 11.19W Depth: 27F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	238	71	ES		124	8.93	-.070							1.0
MORF	HE	238	71	IAML		124	9.22			5	0.1				
MESJ	HZ	295	62	EP		123	52.33	-.020							1.0
MESJ	HE	295	62	ES		124	21.410	.090							1.0
MESJ	HE	295	62	IAML		124	24.20			1.00	0.1				

September 2 2018 Hour: 3:46 7.3 Lat: 36.97N Lon: 8.87W Depth: 17F Agency: IGL Regional
Magnitudes: 0.2ML 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	42	27	EP		346	14.28	-.160							1.0
MORF	HN	42	27	ES		346	19.770	.090							1.0
MORF	HN	42	27	IAML		346	20.24			1	0.1				
MESJ	HZ	112	31	EP		346	24.90	-.090							1.0
MESJ	HE	112	31	ES		346	38.100	.170							1.0
MESJ	HE	112	31	IAML		346	38.47			0.90	0.3				

September 2 2018 Hour: 15:59 9.0 Lat: 37.06N Lon: 8.62W Depth: 19F 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	27	354	EP		1559	14.410	.100							1.0
MORF	HN	27	354	ES		1559	18.08	-.100							1.0
MORF	HE	27	354	IAML		1559	19.65			11	0.1				

September 2 2018 Hour: 16:22 32.4 Lat: 36.80N Lon: 8.98W Depth: 29F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	63	27	EP		1622	42.92	-.060							1.0
MORF	HN	63	27	ES		1622	50.800	.060							1.0
MORF	HN	63	27	IAML		1622	51.29			9	0.1				

September 2 2018 Hour: 17:56 43.1 Lat: 7.02S Lon: 155.40E Depth: 35F Agency: IGL Distant
Magnitudes: 0.0ML 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	BZ	16242	337	EPKP		1816	19.440	.030							1.0

September 3 2018 Hour: 4:39 40.0 Lat: 33.51N Lon: 6.10W Depth: 50F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	481	332	EP		440	41.790	.060							1.0
MESJ	HZ	517	339	EP		440	46.08	-.060							1.0

September 3 2018 Hour: 12:27 35.1 Lat: 36.27N Lon: 8.54W Depth: 14F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	355	EP		1227	52.98	-.240							1.0
MORF	HN	115	355	ES		1228	6.710	.240							1.0
MORF	HE	115	355	IAML		1228	7.98			59	0.2				
MESJ	HZ	176	9	EP		1228	1.060	.020							1.0
MESJ	HN	176	9	ES		1228	20.00	-.010							1.0
MESJ	HN	176	9	IAML		1228	21.16			10	0.2				

September 3 2018 Hour: 18:14 16.2 Lat: 37.30N Lon: 8.56W Depth: 9F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	273	EP		1814	18.17	-.080							1.0
MORF	HE	8	273	ES		1814	19.820	.080							1.0
MORF	HE	8	273	IAML		1814	19.98			11	0.2				

September 3 2018 Hour: 20:35 51.3 Lat: 58.02S Lon: 25.30W Depth: 35F Agency: IGL Distant
Rms: 0.0 secs

SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10724	14		EP		2049	16.110	.000							1.0

September 4 2018 Hour: 5:17 17.5 Lat: 36.87N Lon: 8.20W Depth: 22F Agency: IGL Regional
Magnitudes: 0.5ML 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	63	320	EP		517	27.77	-.190							1.0
MORF	HN	63	320	ES		517	35.57	-.010							1.0
MORF	HE	63	320	IAML		517	36.58			4	0.1				
MESJ	HZ	108	359	EP		517	34.390	.130							1.0
MESJ	HN	108	359	ES		517	46.560	.090							1.0
MESJ	HE	108	359	IAML		517	47.27			0.60	0.1				

September 4 2018 Hour: 6:12 58.5 Lat: 40.22N Lon: 10.52W Depth: 40F Agency: IGL Regional
Magnitudes: 4.5ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	331	142	EP		613	42.22	-.080							1.0
MESJ	HN	331	142	ES		614	14.250	.000							1.0
MESJ	HN	331	142	IAML		614	18.46			892	0.3				
MORF	HZ	362	153	EP		613	46.06	-.050							1.0
MORF	HN	362	153	ES		614	20.970	.130							1.0
MORF	HE	362	153	IAML		614	24.65			2644	0.1				

September 4 2018 Hour: 6:29 23.8 Lat: 40.18N Lon: 10.47W Depth: 32F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	325	142	EP		630	7.040	.110							1.0
MESJ	HE	325	142	ES		630	38.29	-.090							1.0
MESJ	HE	325	142	IAML		630	42.22			16	0.2				
MORF	HZ	356	153	EP		630	10.72	-.140							1.0
MORF	HE	356	153	ES		630	45.300	.120							1.0

MORF HE 356 153 IAML 630 48.69 74 0.2

September 4 2018 Hour: 11:41 35.0 Lat: 36.86N Lon: 10.96W Depth: 32F 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	211	76	EP		1142	3.96	-.020							1.0
MORF	HN	211	76	ES		1142	25.170	.020							1.0
MORF	HN	211	76	IAML		1142	26.89		10	0.1					
MESJ	HE	266	65	ES		1142	36.910	.000							1.0
MESJ	HN	266	65	IAML		1142	38.73		2	0.2					

September 4 2018 Hour: 20:43 34.0 Lat: 34.08N Lon: 5.77W Depth: 10F Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	443	325	EP		2044	33.37	-.020							1.0
MESJ	HZ	472	333	EP		2044	36.920	.020							1.0

September 4 2018 Hour: 22:58 19.5 Lat: 54.79N Lon: 57.97E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.0 secs

URAL MOUNTAINS REGION, RUSSIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5211	277	EP		23 6	49.99	-.010							1.0
MESJ	BZ	5211	277	IAMB		23 6	52.40		105	1.5					
MESJ	BE	5211	277	ES		2313	41.69	-.010							1.0
MORF	BZ	5279	277	EP		23 6	54.900	.020							1.0
MORF	BZ	5279	277	IAMB		23 6	56.38		92	1.6					

September 5 2018 Hour: 9:20 28.1 Lat: 36.38N Lon: 12.05W Depth: 33F 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	320	70	EP		921	10.53	-.080							1.0
MORF	HE	320	70	ES		921	41.56	-.090							1.0
MORF	HN	320	70	IAML		921	45.17		43	0.2					
MESJ	HZ	377	63	EP		921	17.740	.100							1.0
MESJ	HE	377	63	ES		921	53.880	.070							1.0
MESJ	HN	377	63	IAML		921	56.14		5	0.1					

September 5 2018 Hour: 14: 4 12.2 Lat: 40.19N Lon: 10.47W Depth: 33F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	326	143	EP		14 4	55.680	.240							1.0
MESJ	HN	326	143	ES		14 5	26.81	-.170							1.0
MESJ	HN	326	143	IAML		14 5	30.77		46	0.1					
MORF	HZ	357	153	EP		14 4	59.38	-.010							1.0
MORF	HN	357	153	ES		14 5	33.74	-.060							1.0
MORF	HN	357	153	IAML		14 5	39.23		156	0.2					

September 5 2018 Hour: 14:14 9.1 Lat: 36.42N Lon: 7.68W Depth: 13F 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
MORF	HZ	131	319	EP		1414	29.55	-.010							1.0
MORF	HN	131	319	ES		1414	44.490	.010							1.0
MORF	HE	131	319	IAML		1414	45.82		5	0.1					

September 5 2018 Hour: 18: 8 5.4 Lat: 42.71N Lon: 142.06E Depth: 30F Agency: IGL Distant
Magnitudes: 7.1Ms IGL Rms: 0.0 secs

HOKKAIDO, JAPAN REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10603	337	EP			1821	26.560	.070							1.0
MESJ	BZ10603	337	EPP			1825	17.23	-.040							1.0
MESJ	BN10603	337	ESS			1839	9.87	-.040							1.0
MESJ	BZ10603	337	IAMs_20			19 9	19.75		57034	19.7					
MORF	BZ10672	337	EP			1821	29.36	-.020							1.0
MORF	BZ10672	337	EPP			1825	22.10	-.050							1.0
MORF	BN10672	337	ESKSac			1832	3.610	.080							1.0
MORF	BE10672	337	IAMs_20			19 2	48.01		77481	20.4					

September 6 2018 Hour: 5:13 39.2 Lat: 17.98S Lon: 178.53W Depth: 531F Agency: IGL Distant
Rms: 0.0 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17635	21	EPKPdf			532	35.120	.020							1.0
MORF	BZ17671	23	EPKPdf			532	35.52	-.020							1.0

September 6 2018 Hour: 15:49 14.2 Lat: 18.49S Lon: 179.33E Depth: 609F Agency: IGL Distant
Rms: 0.0 secs

FIJI Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17763	17	EPKPdf			16 8	3.600	.010							1.0
MORF	BZ17804	19	EPKPdf			16 8	4.04	-.010							1.0

September 6 2018 Hour: 16:31 35.4 Lat: 18.16S Lon: 179.72W Depth: 644F 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	BZ17697	19	EPKPdf			1650	20.760	.070							1.0
MORF	BZ17736	21	EPKPdf			1650	21.08	-.070							1.0

September 6 2018 Hour: 18:19 44.2 Lat: 36.56N Lon: 7.86W Depth: 18F 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	109	320	EP		1820	1.17	-.200							1.0
MORF	HN	109	320	ES		1820	14.000	.080							1.0
MORF	HN	109	320	IAML		1820	15.02		5	0.2					
MESJ	HZ	146	347	EP		1820	6.130	.160							1.0
MESJ	HN	146	347	ES		1820	21.84	-.040							1.0
MESJ	HN	146	347	IAML		1820	22.54		3	0.2					

September 6 2018 Hour: 19:57 0.1 Lat: 40.22N Lon: 10.50W Depth: 32F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	330	143	EP		1957	43.860	.020							1.0
MESJ	HE	330	143	ES		1958	15.840	.090							1.0
MESJ	HE	330	143	IAML		1958	17.38		5	0.1					
MORF	HZ	361	153	EP		1957	47.66	-.120							1.0
MORF	HE	361	153	ES		1958	22.570	.010							1.0
MORF	HE	361	153	IAML		1958	25.71		32	0.2					

September 7 2018 Hour: 1:47 22.9 Lat: 8.04N Lon: 77.60W Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

PANAMA-COLOMBIA BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7618	53	EP		158	25.26	-.040							1.0
MORF	BZ	7618	53	IAMB		158	28.59		67	1.4					
MORF	BE	7618	53	ES		2 7	27.84	-.100							1.0

MESJ BZ 7663	53	EP	158	27.810.060																1.0
MESJ BZ 7663	53	IAmb	158	34.78						29	1.4									
MESJ BN 7663	53	ES	2	7 32.690.080																1.0

September 7 2018 Hour: 2:12 5.7 Lat: 2.18S Lon: 78.85W Depth:108FAgency: IGL Distant
Magnitudes: 6.2Mb IGL Rms: 0.2 secs

ECUADOR Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ	8426	51	EP			223	39.680.080								1.0
MORF BZ	8426	51	IAmb			223	43.82			1300	1.6				
MORF BZ	8426	51	EpP			224	7.000.230								1.0
MORF BE	8426	51	ES			233	13.070.050								1.0
MESJ BZ	8477	50	EP			223	42.16-.010								1.0
MESJ BZ	8477	50	IAmb			223	45.31			320	1.5				
MESJ BZ	8477	50	EpP			224	9.02-.350								0.9
MESJ BE	8477	50	ES			233	17.98-.020								1.0

September 7 2018 Hour: 2:39 17.6 Lat: 28.89S Lon: 69.95W Depth: 92F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

ATACAMA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ	9719	44	EP			251	54.40-.030								1.0
MORF BZ	9719	44	IAmb			251	55.82			44	1.4				
MESJ BZ	9786	44	EP			251	57.270.030								1.0
MESJ BZ	9786	44	IAmb			251	59.56			20	1.0				

September 7 2018 Hour: 5: 4 4.8 Lat: 37.73N Lon: 9.54W Depth: 25F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	92	121	EP			5	4 19.30-.020								1.0
MORF HE	92	121	ES			5	4 29.950.040								1.0
MORF HN	92	121	IAML			5	4 30.77			9	0.1				
MESJ HE	117	84	ES			5	4 35.36-.020								1.0
MESJ HE	117	84	IAML			5	4 35.92			1	0.1				

September 7 2018 Hour: 5:10 13.0 Lat: 18.17S Lon: 178.01W Depth:583FAgency: 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 BZ17634	22	EPKPdf	529	3.720.090											1.0
MESJ BZ17634	22	EPKPab	529	42.86-.090											1.0
MORF BZ17668	24	EPKPdf	529	4.060.010											1.0
MORF BZ17668	24	EPKPab	529	44.36-.010											1.0

September 7 2018 Hour: 9:27 35.1 Lat: 35.08N Lon: 11.78W Depth: 25F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	374	48	EP			928	24.810.030								1.0
MORF HN	374	48	ES			929	1.110.080								1.0
MORF HN	374	48	IAML			929	3.13			11	0.1				
MESJ HZ	442	45	EP			928	32.86-.200								1.0
MESJ HE	442	45	ES			929	15.440.080								1.0
MESJ HN	442	45	IAML			929	18.98			4	0.2				

September 7 2018 Hour: 13:20 59.5 Lat: 39.64N Lon: 8.07W Depth: 18F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

SE VILA DE REI, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	200	184	EP			1321	28.110.040								1.0
MESJ HN	200	184	ESg			1321	53.17-.010								1.0
MESJ HN	200	184	IAML			1321	56.47			9	0.2				
MORF HZ	264	191	EP			1321	35.91-.130								1.0

MORF HN 264 191 ESg 1322 10.060.110 1.0
MORF HN 264 191 IAML 1322 12.41 13 0.4

**September 7 2018 Hour: 15:28 49.0 Lat: 36.27N Lon: 10.14W Depth: 8F Agency: IGL Regional
Magnitudes: 2.0ML 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	176	49	EP		1529	15.35	-.100							1.0
MORF	HN	176	49	ES		1529	34.880	.100							1.0
MORF	HN	176	49	IAML		1529	35.77		31	0.2					
MESJ	HZ	244	44	EP		1529	23.89	-.030							1.0
MESJ	HN	244	44	ES		1529	49.450	.020							1.0
MESJ	HE	244	44	IAML		1529	50.23		4	0.2					

**September 7 2018 Hour: 20:44 10.0 Lat: 2.74N Lon: 124.89E Depth:197F Agency: IGL Distant
Rms: 0.1 secs**

CELEBES SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13443	318	EP	KPdf		21 2	38.430	.100							1.0
MORF	BZ13507	317	EP	KPdf		21 2	39.39	-.100							1.0

**September 8 2018 Hour: 2:31 31.5 Lat: 23.33N Lon: 101.55E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.1 secs**

YUNNAN, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10050	312	EP			244	32.88	-.110							1.0
MESJ	BE10050	312	ES	KSac		255	3.610	.110							1.0
MESJ	BN10050	312	IAMs_20			323	17.61		1686	22.3					

**September 8 2018 Hour: 7:16 50.0 Lat: 7.24N Lon: 126.46E Depth: 10F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs**

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13181	320	EP	KPdf		735	37.60	-.020							1.0
MESJ	BZ13181	320	EPP			736	54.140	.070							1.0
MESJ	BN13181	320	IAMs_20			822	24.50		5052	18.5					
MORF	BZ13248	320	EP	KPdf		735	38.830	.020							1.0
MORF	BZ13248	320	EPP			736	58.16	-.080							1.0
MORF	BE13248	320	IAMs_20			825	42.77		7936	23.6					

**September 8 2018 Hour: 9:35 9.1 Lat: 36.63N Lon: 11.28W Depth: 29F 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	246	71	EP		935	42.630	.090							1.0
MORF	HN	246	71	ES		936	6.84	-.090							1.0
MORF	HN	246	71	IAML		936	8.49		3	0.2					

**September 8 2018 Hour: 10: 1 22.7 Lat: 36.74N Lon: 9.73W Depth: 32F Agency: IGL Regional
Magnitudes: 2.8ML 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	115	57	EP		10 1	39.770	.050							1.0
MORF	HN	115	57	ES		10 1	52.04	-.100							1.0
MORF	HN	115	57	IAML		10 1	55.30		389	0.3					
MESJ	HZ	181	47	EP		10 1	47.92	-.050							1.0
MESJ	HE	181	47	ES		10 2	6.510	.110							1.0
MESJ	HE	181	47	IAML		10 2	8.53		49	0.1					

September 8 2018 Hour: 10:247.5 Lat: 22.22S Lon: 170.15E Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.1 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18289	355	EP			1022	50.75	-.020							1.0
MESJ	BZ18289	355	EPP			1027	31.710	.090							1.0
MESJ	BZ18289	355	IAMs_20			1141	25.25		1058	19.9					
MORF	BZ18351	356	EP			1022	51.19	-.140							1.0
MORF	BZ18351	356	EPP			1027	34.680	.070							1.0
MORF	BZ18351	356	IAMs_20			1140	31.99		1295	18.8					

September 8 2018 Hour: 14:3857.6 Lat: 4.39S Lon: 81.54W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

NEAR COAST OF NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8812	51	EP		1451	3.030	.110							1.0
MORF	BZ	8812	51	IAMB		1451	4.46		63	1.5					
MESJ	BZ	8863	50	EP		1451	5.27	-.110							1.0
MESJ	BZ	8863	50	IAMB		1451	8.28		16	1.5					

September 8 2018 Hour: 20:4659.1 Lat: 35.50N Lon: 4.73W Depth: 68F Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	406	311	EP		2047	51.72	-.030							1.0

September 8 2018 Hour: 22:2731.2 Lat: 24.47S Lon: 175.56W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms 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	BZ18118	36	EPKPDF			2247	32.84	-.140							1.0
MESJ	BZ18118	36	IAMs_20			2411	41.86		763	20.3					
MORF	BZ18134	38	EPKPDF			2247	33.320	.140							1.0
MORF	BZ18134	38	IAMs_20			240	25.27		968	13.2					

September 8 2018 Hour: 23:432.0 Lat: 36.43N Lon: 6.97W Depth: 38F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	179	303	EP		2343	26.79	-.210							1.0
MORF	HN	179	303	ES		2343	45.380	.130							1.0
MORF	HN	179	303	IAML		2343	46.47		23	0.1					
MESJ	HZ	192	325	EP		2343	28.670	.070							1.0
MESJ	HN	192	325	ES		2343	48.030	.010							1.0
MESJ	HE	192	325	IAML		2343	49.55		22	0.3					

September 9 2018 Hour: 0:624.3 Lat: 25.02S Lon: 179.94E Depth: 479F 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	BZ18408	27	EPKPDF			025	32.750	.100							1.0
MORF	BZ18438	29	EPKPDF			025	32.82	-.100							1.0

September 9 2018 Hour: 3:5412.7 Lat: 36.25N Lon: 8.58W Depth: 16F 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	117	357	EP		354	30.97	-.150							1.0
MORF	HN	117	357	ES		354	44.670	.080							1.0
MORF	HE	117	357	IAML		354	46.36		5	0.1					
MESJ	HZ	179	10	EP		354	38.880	.070							1.0

September 9 2018 Hour: 4:27 43.6 Lat: 36.65N Lon: 7.21W Depth: 7F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	148	300	ES		428	23.730	.160							1.0
MORF	HE	148	300	IAML		428	24.85			3	0.1				
MESJ	HZ	160	326	EP		428	8.09-	.070							1.0
MESJ	HN	160	326	ES		428	26.00-	.090							1.0
MESJ	HE	160	326	IAML		428	27.27			2	0.1				

September 9 2018 Hour: 19:31 34.7 Lat: 10.01S Lon: 161.53E Depth: 65F Agency: IGL Distant
Magnitudes: 6.4Ms 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	BZ16785	343	EPK	Pd \bar{f}		1951	13.410	.060							1.0
MESJ	BZ16785	343	EPP			1954	57.080	.020							1.0
MESJ	BZ16785	343	IAMs	20		2048	29.45			9786	38.3				
MORF	BZ16854	343	EPK	Pd \bar{f}		1951	14.31-	.040							1.0
MORF	BE16854	343	ESS			2014	21.08-	.040							1.0
MORF	BZ16854	343	IAMs	20		2048	32.24			6166	18.8				

September 9 2018 Hour: 20:22 39.2 Lat: 37.08N Lon: 8.73W Depth: 0 Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.2 secs

SW LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	26	15	EP		2022	42.99-	.330							1.0
MORF	HN	26	15	ES		2022	46.460	.100							1.0
MORF	HE	26	15	IAML		2022	47.16			12	0.2				
MESJ	HZ	96	28	EP		2022	54.820	.250							1.0

September 10 2018 Hour: 4:19 2.4 Lat: 31.84S Lon: 179.33W Depth: 111F Agency: IGL Distant
Magnitudes: 6.9Ms 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	BZ18969	48	EPK	Pd \bar{f}		438	56.750	.060							1.0
MESJ	BZ18969	48	EPP			444	5.470	.030							1.0
MESJ	BE18969	48	ESS			5 4	59.130	.030							1.0
MESJ	BZ18969	48	IAMs	20		550	54.47			17878	19.3				
MORF	BZ18971	52	EPK	Pd \bar{f}		438	56.770	.010							1.0
MORF	BZ18971	52	EPP			444	5.54-	.060							1.0
MORF	BE18971	52	ESS			5 4	59.32-	.080							1.0
MORF	BZ18971	52	IAMs	20		543	39.36			30305	43.3				

September 10 2018 Hour: 5:19 6.1 Lat: 40.20N Lon: 10.46W Depth: 26F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HN	326	143	ES		520	21.43-	.030							1.0
MESJ	HN	326	143	IAML		520	23.64			2	0.1				
MORF	HZ	358	153	EP		519	53.60-	.030							1.0
MORF	HE	358	153	ES		520	28.400	.060							1.0
MORF	HE	358	153	IAML		520	31.28			4	0.1				

September 10 2018 Hour: 7:15 59.0 Lat: 37.34N Lon: 8.45W Depth: 4F Agency: IGL Regional
Magnitudes: 2.8ML 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	18	258	EP		716	1.88-	.200							1.0
MORF	HE	18	258	ES		716	4.320	.010							1.0
MORF	HN	18	258	IAML		716	5.40			8985	0.2				
MESJ	HZ	59	20	EP		716	8.750	.180							1.0
MESJ	HN	59	20	ES		716	15.550	.010							1.0
MESJ	HN	59	20	IAML		716	20.69			191	0.2				

September 10 2018 Hour: 17: 9 46.9 Lat: 36.43N Lon: 9.21W Depth: 20F 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	109	27	EP		1710	4.00	-.000							1.0
MORF	HE	109	27	ES		1710	16.580	.090							1.0
MORF	HN	109	27	IAML		1710	19.25			32	0.1				
MESJ	HZ	179	29	EP		1710	12.780	.060							1.0
MESJ	HN	179	29	ES		1710	31.42	-.160							1.0
MESJ	HN	179	29	IAML		1710	38.67			16	0.2				

September 10 2018 Hour: 19:31 37.4 Lat: 22.03S Lon: 170.13E Depth: 12F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18268	355	EPK	pdf		1951	39.94	-.180							1.0
MESJ	BZ18268	355	EPP			1956	20.170	.000							1.0
MESJ	BE18268	355	ESS			2016	51.800	.190							1.0
MESJ	BZ18268	355	IAMs	_20		21 5	31.80			7162	19.2				
MORF	BZ18330	356	EPK	pdf		1951	40.62	-.070							1.0
MORF	BZ18330	356	EPP			1956	23.220	.060							1.0
MORF	BZ18330	356	IAMs	_20		2121	53.56			5145	16.7				

September 10 2018 Hour: 20:24 42.1 Lat: 17.91S Lon: 178.00W Depth: 576F 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	BZ17607	22	EPK	pdf		2043	33.03	-.140							1.0
MORF	BZ17642	24	EPK	pdf		2043	33.740	.140							1.0

September 10 2018 Hour: 21:25 29.1 Lat: 36.68N Lon: 9.70W Depth: 16F 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	116	53	EP		2125	47.27	-.160							1.0
MORF	HE	116	53	ES		2126	0.930	.130							1.0
MORF	HN	116	53	IAML		2126	1.48			5	0.1				
MESJ	HE	184	45	ES		2126	15.380	.030							1.0
MESJ	HN	184	45	IAML		2126	15.80			0.80	0.1				

September 10 2018 Hour: 23: 2 55.7 Lat: 37.19N Lon: 30.63E Depth: 106F 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	3411	283	EP		23 9	0.18	-.040							1.0
MESJ	BZ	3411	283	IAMB		23 9	1.57			24	1.0				

September 11 2018 Hour: 15: 9 26.5 Lat: 54.23S Lon: 146.64W Depth: 10F Agency: IGL Distant
Rms: 0.1 secs

PACIFIC-ANTARTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ16301	103	EPK	P		1529	9.130	.170							1.0
MESJ	BZ16369	103	EPK	P		1529	11.18	-.170							1.0

September 11 2018 Hour: 15:14 8.2 Lat: 54.21S Lon: 146.70W Depth: 10F Agency: IGL Distant
Rms: 0.1 secs

PACIFIC-ANTARTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ16305	103	EPK	P		1533	50.910	.100							1.0
MESJ	BZ16374	103	EPK	P		1533	53.10	-.100							1.0

September 11 2018 Hour: 19:25 38.7 Lat: 33.35N Lon: 13.53W Depth: 19F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	624	44	EP		1926	58.99	-.140							1.0
MORF	HN	624	44	ES		1927	57.86	-.020							1.0
MORF	HN	624	44	IAML		1927	59.08			8	0.2				
MESJ	HE	692	42	ES		1928	12.360	.170							1.0
MESJ	HE	692	42	IAML		1928	13.37			1	0.3				

September 11 2018 Hour: 21:51 9.2 Lat: 36.32N Lon: 9.90W Depth: 26F 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	156	45	EP		2151	31.54	-.100							1.0
MORF	HE	156	45	ES		2151	48.060	.010							1.0
MORF	HN	156	45	IAML		2151	48.54			6	0.1				
MESJ	HZ	225	41	EP		2151	40.16	-.060							1.0
MESJ	HN	225	41	ES		2152	3.040	.150							1.0
MESJ	HN	225	41	IAML		2152	5.35			3	0.2				

September 12 2018 Hour: 0:22 2.0 Lat: 35.90N Lon: 4.78W Depth: 72F 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	375	306	EP		022	50.91	-.010							1.0
MESJ	HN	375	306	ES		023	26.54	-.110							1.0
MESJ	HN	375	306	IAML		023	27.81			0.90	0.2				
MORF	HZ	380	295	EP		022	51.45	-.130							1.0
MORF	HN	380	295	ES		023	28.050	.260							1.0
MORF	HN	380	295	IAML		023	29.61			3	0.3				

September 12 2018 Hour: 2:30 10.9 Lat: 36.90N Lon: 8.86W Depth: 28F Agency: IGL Regional
Magnitudes: 0.8ML 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	49	22	EP		230	19.52	-.000							1.0
MORF	HE	49	22	ES		230	25.77	-.050							1.0
MORF	HN	49	22	IAML		230	26.21			7	0.2				
MESJ	HZ	119	28	EP		230	28.56	-.020							1.0
MESJ	HE	119	28	ES		230	41.560	.070							1.0
MESJ	HN	119	28	IAML		230	42.00			2	0.2				

September 12 2018 Hour: 6:21 48.6 Lat: 36.03N Lon: 31.08E Depth: 60F Agency: IGL Distant
Magnitudes: 5.4Mb 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	3482	285	EP		628	3.080	.010							1.0
MESJ	BZ	3482	285	IAMB		628	5.32			89	1.4				

September 12 2018 Hour: 6:29 52.2 Lat: 12.22N Lon: 86.76W Depth: 113F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.1 secs

NICARAGUA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8157	55	EP		641	11.660	.130							1.0
MORF	BZ	8157	55	IAMB		641	13.99			24	1.1				
MORF	BZ	8157	55	EpP		641	39.740	.040							1.0
MESJ	BZ	8193	54	EP		641	13.07	-.260							1.0
MESJ	BZ	8193	54	IAMB		641	14.86			7	0.6				
MESJ	BZ	8193	54	EpP		641	41.610	.080							1.0

September 13 2018 Hour: 7:55 23.4 Lat: 36.64N Lon: 11.07W Depth: 28F Agency: IGL Regional
Magnitudes: 3.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	228	70	EP		755	54.720	.030							1.0
MORF	HN	228	70	ES		756	17.44	-.060							1.0
MORF	HN	228	70	IAML		756	18.56		286	0.2					
MESJ	HZ	286	61	EP		756	1.80	-.090							1.0
MESJ	HE	286	61	ES		756	30.080	.120							1.0
MESJ	HN	286	61	IAML		756	35.89		82	0.2					

September 13 2018 Hour: 16:11 15.3 Lat: 37.12N Lon: 3.62W Depth: 1F 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	415	283	EP		1612	12.08	-.040							1.0

September 13 2018 Hour: 19:16 21.4 Lat: 36.80N Lon: 9.93W 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
MORF	HZ	127	63	EP		1916	41.340	.070							1.0
MORF	HE	127	63	ES		1916	55.71	-.070							1.0
MORF	HN	127	63	IAML		1916	57.73		7	0.3					

September 14 2018 Hour: 0:14 34.7 Lat: 36.78N Lon: 11.05W Depth: 22F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	221	74	EP		015	5.640	.040							1.0
MORF	HN	221	74	ES		015	28.06	-.070							1.0
MORF	HN	221	74	IAML		015	28.76		3	0.2					
MESJ	HZ	277	64	EP		015	12.560	.030							1.0

September 14 2018 Hour: 1:36 0.0 Lat: 8.70N Lon: 83.25W Depth: 16F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

COSTA RICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8074	54	EP		147	26.600	.100							1.0
MORF	BZ	8074	54	IAmb		147	27.82		20	0.9					
MESJ	BZ	8115	53	EP		147	28.52	-.100							1.0
MESJ	BZ	8115	53	IAmb		147	29.48		8	0.8					

September 14 2018 Hour: 11:20 2.4 Lat: 16.05S Lon: 71.50W Depth: 121F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.0 secs

SOUTHERN PERU Nt: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8836	46	EP		1131	55.350	.000							1.0
MORF	BZ	8836	46	IAmb		1131	58.98		16	0.9					
MESJ	BZ	8898	46	EP		1131	58.32	-.000							1.0
MESJ	BZ	8898	46	IAmb		1131	59.32		7	0.8					

September 14 2018 Hour: 14:48 44.0 Lat: 36.25N Lon: 11.41W Depth: 32F Agency: IGL Regional
Magnitudes: 2.0ML 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	273	64	EP		1449	20.63	-.000							1.0
MORF	HN	273	64	ES		1449	47.21	-.160							1.0
MORF	HN	273	64	IAML		1449	49.98		16	0.3					
MESJ	HZ	334	57	EP		1449	28.330	.080							1.0
MESJ	HN	334	57	ES		1450	0.650	.100							1.0
MESJ	HN	334	57	IAML		1450	1.72		2	0.1					

September 14 2018 Hour: 15:50 17.2 Lat: 2.71S Lon: 138.78E Depth: 39F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 secs

PAPUA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14893	323		EPKp \bar{d} f		16 9	29.44	-.010							1.0
MESJ	BZ14893	323		IAMs_20		1710	39.76			1695	18.1				
MORF	BZ14961	323		EPKp \bar{d} f		16 9	30.64	0.010							1.0
MORF	BZ14961	323		IAMs_20		1710	19.32			2386	25.9				

September 15 2018 Hour: 0:8 20.9 Lat: 26.74N Lon: 129.65E Depth: 6F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.0 secs

RYUKYU ISLANDS, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11607	328		EPP		026	44.35	-.060							1.0
GGNV	BZ11607	328		IAMs_20		116	25.25			5134	14.9				
MESJ	BZ11634	327		EPP		026	46.24	0.000							1.0
MESJ	BE11634	327		ESKSac		033	7.74	0.050							1.0
MESJ	BN11634	327		ESS		041	39.88	0.050							1.0
MESJ	BZ11634	327		IAMs_20		116	45.46			1875	15.4				
MORF	BZ11704	327		EPP		026	50.94	-.040							1.0
MORF	BZ11704	327		IAMs_20		118	22.98			3740	14.5				

September 15 2018 Hour: 1:57 2.3 Lat: 39.93N Lon: 18.18W Depth: 18F Agency: IGL Regional
Magnitudes: 2.5ML 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	879	106	EP		158	52.94	-.170							1.0
MORF	HN	879	106	ES		2 0	14.01	0.000							1.0
MORF	HE	879	106	IAML		2 0	15.15			2	0.2				
MESJ	HE	894	102	ES		2 0	17.25	0.170							1.0
MESJ	HN	894	102	IAML		2 0	21.12			3	0.3				

September 15 2018 Hour: 2:50 34.4 Lat: 36.61N Lon: 11.44W Depth: 38F Agency: IGL Regional
Magnitudes: 2.1ML 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	260	72	EP		251	9.55	0.060							1.0
MORF	HN	260	72	ES		251	35.00	-.100							1.0
MORF	HN	260	72	IAML		251	37.96			20	0.2				
MESJ	HZ	317	64	EP		251	16.64	0.130							1.0
MESJ	HE	317	64	ES		251	47.15	-.080							1.0
MESJ	HE	317	64	IAML		251	49.54			4	0.2				

September 15 2018 Hour: 3:19 46.8 Lat: 37.34N Lon: 8.56W Depth: 11F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

N MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	244	EP		319	49.09	-.080							1.0
MORF	HN	9	244	ES		319	50.98	0.080							1.0
MORF	HN	9	244	IAML		319	51.42			35	0.2				

September 15 2018 Hour: 4:40 19.7 Lat: 26.69N Lon: 129.61E Depth: 10F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

RYUKYU ISLANDS, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11610	328		EPP		458	42.84	0.090							1.0
GGNV	BN11610	328		IAMs_20		548	24.93			4517	19.0				
MESJ	BZ11637	327		EPP		458	44.48	-.090							1.0
MESJ	BZ11637	327		IAMs_20		548	26.36			2013	12.2				
MORF	BZ11707	327		EPP		458	49.32	0.000							1.0
MORF	BZ11707	327		IAMs_20		550	33.78			2850	13.3				

September 15 2018 Hour: 8:528.0 Lat: 26.66N Lon: 129.56E Depth: 10F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.1 secs

RYUKYU ISLANDS, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11610	328		EPP		823	51.130	.060							1.0
GGNV	BZ11610	328		IAMs_20		914	27.07			11471	18.6				
MESJ	BZ11637	327		EPP		823	52.84	-.040							1.0
MESJ	BN11637	327		ESS		838	46.04	-.130							1.0
MESJ	BZ11637	327		IAMs_20		913	50.32			5976	12.1				
MORF	BZ11707	327		EPP		823	57.730	.110							1.0
MORF	BZ11707	327		IAMs_20		914	17.43			7481	16.1				

September 15 2018 Hour: 9:59 0.6 Lat: 37.30N Lon: 8.64W Depth: 17F Agency: IGL Regional
Magnitudes: 0.5ML 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	1	293	EP		959	3.390	.020							1.0
MORF	HE	1	293	ES		959	5.38	-.020							1.0
MORF	HE	1	293	IAML		959	5.81			16	0.0				

September 15 2018 Hour: 17:56 54.7 Lat: 37.34N Lon: 8.55W Depth: 15F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	247	EP		1756	57.58	-.030							1.0
MORF	HE	10	247	ES		1756	59.780	.030							1.0
MORF	HN	10	247	IAML		1757	0.20			35	0.2				

September 16 2018 Hour: 10:30 36.3 Lat: 38.25N Lon: 7.82W Depth: 5F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.0 secs

NW VIDIGUEIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	58	218	EP		1030	45.55	-.050							1.0
MESJ	HN	58	218	ES		1030	52.450	.050							1.0
MESJ	HE	58	218	IAML		1030	53.13			1	0.1				

September 16 2018 Hour: 13:10 51.0 Lat: 18.10S Lon: 177.93W Depth: 570F Agency: IGL Distant
Rms: 0.0 secs

FIJI REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17624	23		EPKpdf		1329	42.76	-.060							1.0
MORF	BZ17658	24		EPKpdf		1329	43.290	.060							1.0

September 16 2018 Hour: 15:50 36.3 Lat: 36.72N Lon: 9.67W Depth: 18F 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	111	54	EP		1550	53.76	-.130							1.0
MORF	HE	111	54	ES		1551	6.750	.040							1.0
MORF	HE	111	54	IAML		1551	7.84			8	0.1				
MESJ	HZ	179	46	EP		1551	2.280	.040							1.0
MESJ	HE	179	46	ES		1551	21.220	.050							1.0
MESJ	HE	179	46	IAML		1551	22.24			2	0.1				

September 16 2018 Hour: 18:47 49.4 Lat: 36.49N Lon: 4.55W Depth: 65F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	359	296	EP		1848	36.25	-.100							1.0
MESJ	HN	359	296	ES		1849	10.52	-.090							1.0
MESJ	HN	359	296	IAML		1849	12.88			102	0.2				
MORF	HZ	377	285	EP		1848	38.720	.160							1.0
MORF	HE	377	285	ES		1849	14.460	.030							1.0

MORF HE 377 285 IAML 1849 18.67 113 0.2

**September 16 2018 Hour: 19:26 16.6 Lat: 36.76N Lon: 8.26W Depth: 19F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	70	330	EP		1926	27.92	-.050							1.0
MORF	HN	70	330	ES		1926	36.310	.050							1.0
MORF	HE	70	330	IAML		1926	37.70			16	0.2				

**September 16 2018 Hour: 21:11 49.8 Lat: 25.45S Lon: 178.22E Depth:570F 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
GGNV	BZ18399	23	EPK	pdf		2130	48.890	.150							1.0
GGNV	BZ18399	23	EPK	Pab		2131	51.220	.100							1.0
GGNV	BZ18399	23	EPP			2135	39.78	-.090							1.0
MESJ	BZ18522	22	EPK	pdf		2130	49.790	.130							1.0
MESJ	BZ18522	22	EPK	Pab		2131	56.120	.050							1.0
MESJ	BZ18522	22	EPP			2135	45.30	-.230							0.9
MORF	BZ18558	25	EPK	pdf		2130	49.90	-.060							1.0
MORF	BZ18558	25	EPK	Pab		2131	57.640	.080							1.0
MORF	BZ18558	25	EPP			2135	47.04	-.160							1.0

**September 17 2018 Hour: 0:24 7.8 Lat: 34.33N Lon: 26.50E Depth: 10F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.0 secs**

CRETE, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3134	287	EP		030	0.41	-.010							1.0
MESJ	BZ	3134	287	IAMB		030	6.26			10	0.9				

**September 17 2018 Hour: 3:3 19.6 Lat: 31.85N Lon: 13.02W Depth: 27F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs**

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	726	32	EP		3 4	51.55	-.070							1.0
MORF	HE	726	32	ES		3 5	58.850	.070							1.0
MORF	HN	726	32	IAML		3 6	1.97			2	0.2				

**September 17 2018 Hour: 7:21 17.7 Lat: 36.77N Lon: 4.34W Depth: 73F 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	364	290	EP		722	5.340	.040							1.0
MESJ	HN	364	290	ES		722	40.03	-.050							1.0
MESJ	HN	364	290	IAML		722	40.91			2	0.2				
MORF	HZ	388	280	EP		722	8.240	.010							1.0

**September 17 2018 Hour: 9:32 41.8 Lat: 25.30S Lon: 178.40E Depth:578F 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	BZ18500	23	EPK	pdf		951	40.740	.080							1.0
MORF	BZ18535	25	EPK	pdf		951	40.88	-.080							1.0

**September 17 2018 Hour: 12:43 13.6 Lat: 36.59N Lon: 9.70W Depth: 18F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	122	49	EP		1243	32.550	.040							1.0
MORF	HE	122	49	ES		1243	46.34	-.000							1.0
MORF	HN	122	49	IAML		1243	47.03			10	0.1				
MESJ	HZ	191	43	EP		1243	40.95	-.050							1.0

September 18 2018 Hour: 7:27 41.8 Lat: 37.80S Lon: 49.77E Depth: 10F Agency: IGL Distant
 Magnitudes: 5.9Ms 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
MORF	BZ10245	317	EP			740	51.380	.090							1.0
MORF	BE10245	317	ESS			758	5.09-	-.030							1.0
MORF	BZ10245	317	IAMs_20			825	22.68		4722	20.0					
MESJ	BZ10263	318	EPP			744	32.700	.140							1.0
MESJ	BE10263	318	ESS			758	7.16-	-.220							1.0
MESJ	BZ10263	318	IAMs_20			827	34.62		4996	21.8					

September 18 2018 Hour: 11:57 53.4 Lat: 8.33S Lon: 157.22E Depth: 10F Agency: IGL Distant
 Magnitudes: 5.9Ms 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	BZ16402	340	EPKP			1217	34.310	.110							1.0
MESJ	BZ16453	338	EPKP			1217	34.96-	-.010							1.0
MESJ	BZ16453	338	IAMs_20			1331	9.72		2257	20.1					
MORF	BZ16523	338	EPKP			1217	35.96-	-.090							1.0
MORF	BZ16523	338	IAMs_20			1325	10.57		1600	16.4					

September 18 2018 Hour: 12:38 35.6 Lat: 20.52S Lon: 178.22W Depth: 517F Agency: IGL Distant
 Rms: 0.0 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17880	25	EPKpdf			1257	35.450	.050							1.0
MORF	BZ17912	26	EPKpdf			1257	35.72-	-.050							1.0

September 18 2018 Hour: 20:27 36.4 Lat: 35.27N Lon: 11.55W Depth: 36F Agency: IGL Regional
 Magnitudes: 2.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	345	48	EP		2028	21.76-	-.160							1.0
MORF	HE	345	48	ES		2028	55.340	.150							1.0
MORF	HN	345	48	IAML		2028	56.72		22	0.3					
MESJ	HZ	413	45	EP		2028	30.02-	-.110							1.0
MESJ	HN	413	45	ES		2029	9.500	.120							1.0
MESJ	HN	413	45	IAML		2029	12.76		4	0.2					

September 19 2018 Hour: 0:31 26.1 Lat: 37.33N Lon: 8.46W Depth: 9F Agency: IGL Regional
 Magnitudes: 1.3ML 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	17	261	EP		031	29.18-	-.080							1.0
MORF	HE	17	261	ES		031	31.660	.080							1.0
MORF	HN	17	261	IAML		031	32.32		84	0.2					

September 19 2018 Hour: 3:7 7.5 Lat: 36.67N Lon: 9.65W Depth: 17F Agency: IGL Regional
 Magnitudes: 3.2ML 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	113	51	EP		3 7	25.500	.160							1.0
MORF	HN	113	51	ES		3 7	38.520	.120							1.0
MORF	HN	113	51	IAML		3 7	38.93		577	0.1					
MESJ	HZ	181	44	EP		3 7	33.76-	-.040							1.0
MESJ	HN	181	44	ES		3 7	53.030	.000							1.0
MESJ	HN	181	44	IAML		3 7	53.72		122	0.2					
GGNV	HZ	231	11	EP		3 7	39.73-	-.250							0.9
GGNV	HN	231	11	ES		3 8	3.71-	-.010							0.9
GGNV	HN	231	11	IAML		3 8	5.53		285	0.2					

September 19 2018 Hour: 7:37 25.5 Lat: 36.53N Lon: 9.77W 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	132	49	EP		737	45.850	.050							1.0
MORF	HN	132	49	ES		738	0.740	.090							1.0
MORF	HE	132	49	IAML		738	2.52			8	0.1				
MESJ	HZ	200	43	EP		737	54.350	.050							1.0
MESJ	HN	200	43	ES		738	15.15-	.200							1.0
MESJ	HN	200	43	IAML		738	17.23			1	0.1				

September 19 2018 Hour: 8:53 14.1 Lat: 10.48N Lon: 57.02E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

CARLSBERG RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7137	307	EP		9 3	48.700	.020							1.0
MESJ	BZ	7137	307	IAMB		9 3	56.24			42	1.4				

September 19 2018 Hour: 14:18 23.2 Lat: 35.89N Lon: 5.11W Depth: 0 Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	352	309	EP		1419	12.24-	.090							1.0
MESJ	HN	352	309	ES		1419	48.390	.190							1.0
MESJ	HN	352	309	IAML		1419	51.13			31	0.2				
MORF	HZ	354	297	EP		1419	12.48-	.130							1.0
MORF	HE	354	297	ES		1419	48.720	.030							1.0
MORF	HN	354	297	IAML		1419	52.40			70	0.2				

September 19 2018 Hour: 15:41 5.8 Lat: 36.44N Lon: 9.72W Depth: 11F 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	135	44	EP		1541	26.990	.030							1.0
MORF	HN	135	44	ES		1541	42.34-	.060							1.0
MORF	HN	135	44	IAML		1541	43.01			35	0.1				
MESJ	HZ	205	40	EP		1541	35.54-	.020							1.0
MESJ	HE	205	40	ES		1541	57.330	.050							1.0
MESJ	HN	205	40	IAML		1541	58.19			9	0.1				

September 19 2018 Hour: 19:49 51.6 Lat: 36.60N Lon: 4.47W Depth: 90F 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
MORF	HZ	380	283	EP		1950	41.180	.150							1.0
MORF	HE	380	283	ES		1951	17.00-	.150							1.0
MORF	HN	380	283	IAML		1951	18.00			2	0.2				

September 19 2018 Hour: 23:21 5.8 Lat: 40.67N Lon: 8.16W Depth: 23F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

SE OLIVEIRA DE FRADES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	314	181	EP		2321	48.540	.190							1.0
MESJ	HE	314	181	ES		2322	19.39-	.040							1.0
MESJ	HE	314	181	IAML		2322	35.78			9	0.3				
MORF	HZ	376	187	EP		2321	55.91-	.150							1.0

September 20 2018 Hour: 2:14 0.5 Lat: 37.33N Lon: 8.55W Depth: 9F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	253	EP		214	2.57	-.060							1.0
MORF	HE	10	253	ES		214	4.280	.060							1.0
MORF	HE	10	253	IAML		214	4.72			74	0.1				

September 20 2018 Hour: 5:47 39.4 Lat: 9.00S Lon: 158.31E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Ms 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	BZ16512	341	EPKP			6 7	21.75	-.020							1.0
MESJ	BZ16565	339	EPKP			6 7	22.47	-.100							1.0
MESJ	BZ16565	339	IAMs_20			718	57.27			821	23.4				
MORF	BZ16636	339	EPKP			6 7	23.750	.120							1.0
MORF	BZ16636	339	IAMs_20			715	49.17			946	20.3				

September 20 2018 Hour: 13:33 12.6 Lat: 40.19N Lon: 10.48W Depth: 42F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	326	142	EP		1333	55.960	.200							1.0
MESJ	HE	326	142	ES		1334	27.21	-.050							1.0
MESJ	HE	326	142	IAML		1334	28.15			2	0.1				
MORF	HZ	358	153	EP		1333	59.56	-.040							1.0
MORF	HN	358	153	ES		1334	33.77	-.120							1.0
MORF	HE	358	153	IAML		1334	37.22			39	0.1				

September 20 2018 Hour: 22:33 14.8 Lat: 37.34N Lon: 8.51W Depth: 1 Agency: IGL Regional
Magnitudes: 0.4ML 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	13	253	EP		2233	16.83	-.090							1.0
MORF	HE	13	253	ES		2233	18.600	.090							1.0
MORF	HE	13	253	IAML		2233	19.13			16	0.1				

September 21 2018 Hour: 3:40 40.1 Lat: 17.93S Lon: 179.98E Depth: 639F Agency: IGL Distant
Rms: 0.1 secs

FIJI Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17562	19	EPKPdf			359	24.28	-.080							1.0
MESJ	BZ17683	18	EPKPdf			359	25.720	.030							1.0
MORF	BZ17723	20	EPKPdf			359	26.200	.040							1.0

September 21 2018 Hour: 5:15 53.7 Lat: 36.61N Lon: 11.18W Depth: 29F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	238	70	EP		516	26.170	.020							1.0
MORF	HN	238	70	ES		516	49.82	-.030							1.0
MORF	HN	238	70	IAML		516	50.17			7	0.1				
MESJ	HZ	296	62	EP		516	33.380	.050							1.0
MESJ	HN	296	62	ES		517	2.24	-.040							1.0
MESJ	HN	296	62	IAML		517	3.99			3	0.2				

September 22 2018 Hour: 3:36 18.9 Lat: 36.63N Lon: 5.50W Depth: 11F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	276	300	EP		336	57.660	.090							1.0
MESJ	HN	276	300	ES		337	25.76	-.020							1.0
MESJ	HN	276	300	IAML		337	28.23			9	0.2				

MORF HZ	291	286	EP		336	59.22-	.160											1.0
MORF HN	291	286	ES		337	29.020.	.100											1.0
MORF HN	291	286	IAML		337	30.73			9	0.2								

**September 22 2018 Hour: 5:27 48.2 Lat: 37.33N Lon: 8.65W Depth: 17F Agency: IGL Regional
Magnitudes: 0.3ML 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	185	EP		527	50.83-	.210							1.0
MORF HE		3	185	ES		527	53.190.	.090							1.0
MORF HE		3	185	IAML		527	53.53		11	0.1					
MESJ HZ		68	34	EP		527	59.400.	.130							1.0

**September 22 2018 Hour: 11: 5 5.8 Lat: 36.81N Lon: 8.79W Depth: 28F 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		56	13	EP		11	5	15.490.	.020						1.0
MORF HE		56	13	ES		11	5	22.49-	.030						1.0
MORF HN		56	13	IAML		11	5	23.31		4	0.1				
MESJ HE		125	24	ES		11	5	37.770.	.010						1.0
MESJ HE		125	24	IAML		11	5	38.88		1	0.1				

**September 22 2018 Hour: 13:13 58.2 Lat: 25.90S Lon: 71.03W Depth: 29F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.1 secs**

OFF COAST OF ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ		9560	45	EP		1326	35.620.	.060							1.0
MORF BZ		9560	45	I Amb		1326	38.47			36	0.9				
MESJ BZ		9627	45	EP		1326	38.37-	.060							1.0
MESJ BZ		9627	45	I Amb		1326	41.94			99	1.4				

**September 22 2018 Hour: 14:33 49.3 Lat: 36.33N Lon: 4.64W Depth: 41F Agency: IGL Regional
Magnitudes: 1.5ML 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		359	299	EP		1434	36.44-	.030							1.0
MESJ HN		359	299	ES		1435	10.90-	.010							1.0
MESJ HN		359	299	IAML		1435	12.49			2	0.1				
MORF HZ		374	288	EP		1434	38.270.	.040							1.0

**September 23 2018 Hour: 2:19 18.7 Lat: 36.30N Lon: 7.59W Depth: 14F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		146	320	EP		219	40.82-	.160							1.0
MORF HE		146	320	ES		219	57.260.	.030							1.0
MORF HN		146	320	IAML		219	59.08			7	0.1				
MESJ HN		180	342	ES		220	4.500.	.130							1.0
MESJ HN		180	342	IAML		220	6.46			2	0.1				

**September 23 2018 Hour: 5:32 11.2 Lat: 24.34S Lon: 70.04W Depth: 56F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs**

ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ		9368	45	EP		544	36.690.	.020							1.0
MORF BZ		9368	45	I Amb		544	38.68			82	1.5				
GGNV BZ		9427	43	EP		544	39.240.	.030							1.0
GGNV BZ		9427	43	I Amb		544	41.94			100	1.1				
MESJ BZ		9434	44	EP		544	39.55-	.050							1.0
MESJ BZ		9434	44	I Amb		544	40.86			36	0.9				

September 23 2018 Hour: 5:45 50.8 Lat: 19.71N Lon: 71.29W Depth: 14F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

DOMINICAN REPUBLIC Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6358	57	EP		555	36.99	-.030							1.0
MESJ	BZ	6358	57	IAMB		555	38.51			25	1.1				

September 23 2018 Hour: 5:52 11.5 Lat: 12.22N Lon: 146.24E Depth: 10F Agency: IGL Distant
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
GGNV	BZ	13841	337	EPKpdf		611	10.500	.060							1.0
MESJ	BZ	13885	335	EPKpdf		611	11.20	-.010							1.0
MORF	BZ	13955	335	EPKpdf		611	12.43	-.040							1.0

September 23 2018 Hour: 11:31 58.8 Lat: 36.26N Lon: 7.82W Depth: 33F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	138	328	EP		1132	18.45	-.200							1.0
MORF	HN	138	328	ES		1132	33.270	.110							1.0
MORF	HE	138	328	IAML		1132	33.76			8	0.2				
MESJ	HZ	179	349	EP		1132	23.830	.100							1.0

September 23 2018 Hour: 15:5 29.6 Lat: 37.34N Lon: 9.18W Depth: 28F Agency: IGL Regional
Magnitudes: 1.1ML 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	47	95	EP		15	5	37.98	-.040						1.0
MORF	HN	47	95	ES		15	5	44.220	.040						1.0
MORF	HE	47	95	IAML		15	5	44.64		11	0.1				

September 23 2018 Hour: 23:47 11.6 Lat: 35.16N Lon: 5.67W 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	359	312	EP		2347	59.31	-.130							1.0
MORF	HN	359	312	ES		2348	34.390	.060							1.0
MORF	HN	359	312	IAML		2348	36.18			6	0.3				
MESJ	HZ	375	323	EP		2348	1.43	-.020							1.0
MESJ	HE	375	323	ES		2348	37.900	.090							1.0
MESJ	HE	375	323	IAML		2348	38.54			0.80	0.1				

September 24 2018 Hour: 5:4 55.8 Lat: 36.13N Lon: 10.29W Depth: 24F 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	196	48	EP		5	5	23.470	.100						1.0
MORF	HN	196	48	ES		5	5	43.46	-.040						1.0
MORF	HN	196	48	IAML		5	5	45.14		49	0.1				
MESJ	HZ	264	44	EP		5	5	31.73	-.120						1.0
MESJ	HN	264	44	ES		5	5	58.230	.050						1.0
MESJ	HN	264	44	IAML		5	5	59.17		12	0.2				

September 24 2018 Hour: 7:49 52.8 Lat: 36.76N Lon: 7.46W Depth: 22F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	137	331	EP		750	13.15	-.060							1.0
MESJ	HE	137	331	ES		750	28.190	.060							1.0
MESJ	HN	137	331	IAML		750	29.90			2	0.2				

September 24 2018 Hour: 19:13 30.0 Lat: 36.91N Lon: 10.48W Depth: 32F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	168	74	EP		1913	53.55	-.120							1.0
MORF	HN	168	74	ES		1914	10.980	.020							1.0
MORF	HN	168	74	IAML		1914	11.76			5	0.1				
MESJ	HN	225	62	ES		1914	23.250	.110							1.0
MESJ	HN	225	62	IAML		1914	23.60			1	0.1				

September 24 2018 Hour: 23:34 5.5 Lat: 37.31N Lon: 8.55W Depth: 14F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.2 secs

SE MONCHIQUE, PORTUGAL Ner: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	266	EP		2334	7.99	-.300							1.0
MORF	HE	9	266	ES		2334	10.490	.190							1.0
MORF	HN	9	266	IAML		2334	11.19			12	0.1				
MESJ	HZ	66	26	EP		2334	16.200	.030							1.0
MESJ	HE	66	26	ES		2334	24.020	.090							1.0
MESJ	HN	66	26	IAML		2334	24.27			3	0.2				

September 25 2018 Hour: 0:25 50.0 Lat: 37.29N Lon: 8.55W Depth: 7F Agency: IGL Regional
Magnitudes: 0.1ML 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	280	EP		025	51.83	-.110							1.0
MORF	HN	9	280	ES		025	53.460	.110							1.0
MORF	HN	9	280	IAML		025	53.89			10	0.1				

September 25 2018 Hour: 20:48 37.0 Lat: 38.38N Lon: 7.97W Depth: 1F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

NE VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	64	200	EP		2048	47.350	.080							1.0
MESJ	HE	64	200	ES		2048	54.64	-.150							1.0
MESJ	HN	64	200	IAML		2048	55.31			40	0.1				
MORF	HZ	134	207	EP		2048	58.550	.030							1.0
MORF	HN	134	207	ES		2049	14.290	.040							1.0
MORF	HN	134	207	IAML		2049	16.48			23	0.2				

September 25 2018 Hour: 22:56 48.0 Lat: 15.38S Lon: 74.95W Depth: 52F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

NEAR COAST OF SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9055	48	EP		23 8	59.330	.030							1.0
MORF	BZ	9055	48	IAMB		23 9	0.50			61	1.2				
MESJ	BZ	9116	47	EP		23 9	2.09	-.030							1.0
MESJ	BZ	9116	47	IAMB		23 9	3.83			27	1.2				

September 26 2018 Hour: 11:50 17.4 Lat: 36.81N Lon: 12.52W Depth: 1 Agency: IGL Regional
Magnitudes: 2.4ML 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	348	80	EP		1151	6.160	.100							1.0
MORF	HN	348	80	ES		1151	41.35	-.200							1.0
MORF	HE	348	80	IAML		1151	42.43			29	0.3				
MESJ	HZ	398	72	EP		1151	12.290	.110							1.0
MESJ	HE	398	72	ES		1151	52.14	-.000							1.0
MESJ	HN	398	72	IAML		1151	54.98			5	0.3				

September 26 2018 Hour: 17:53 34.7 Lat: 36.53N Lon: 11.29W 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	250	69	EP		1754	7.77	-.070							1.0
MORF	HE	250	69	ES		1754	32.180	.150							1.0
MORF	HN	250	69	IAML		1754	34.25			51	0.2				
MESJ	HZ	309	61	EP		1754	15.00	-.100							1.0
MESJ	HN	309	61	ES		1754	44.600	.020							1.0
MESJ	HE	309	61	IAML		1754	46.06			6	0.2				

September 26 2018 Hour: 20:16 21.6 Lat: 34.81N Lon: 16.62W Depth: 38F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	769	67	EP		2017	58.200	.040							1.0
MORF	HN	769	67	ES		2019	8.48	-.150							1.0
MORF	HN	769	67	IAML		2019	11.91			24	0.2				
MESJ	HZ	825	64	EP		2018	4.71	-.050							1.0
MESJ	HN	825	64	ES		2019	20.200	.170							1.0
MESJ	HN	825	64	IAML		2019	23.07			6	0.1				

September 27 2018 Hour: 0:54 57.4 Lat: 35.90N Lon: 8.60W Depth: 32F Agency: IGL Regional
Magnitudes: 3.6ML 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	156	358	EP		055	19.33	-.210							1.0
MORF	HN	156	358	ES		055	35.70	-.000							1.0
MORF	HE	156	358	IAML		055	40.83			820	0.2				
MESJ	HZ	218	9	EP		055	27.310	.110							1.0
MESJ	HN	218	9	ES		055	49.090	.120							1.0
MESJ	HN	218	9	IAML		055	50.32			359	0.2				
GGNV	HE	316	351	ES		056	10.09	-.010							0.9
GGNV	HN	316	351	IAML		056	13.43			233	0.3				

September 27 2018 Hour: 10:21 49.4 Lat: 36.74N Lon: 21.33E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb 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	2612	282	EP		1026	59.44	-.170							1.0
MESJ	BZ	2612	282	IAMB		1027	1.31			71	0.8				
MESJ	BE	2612	282	ES		1031	14.260	.100							1.0
MORF	BN	2658	280	ES		1031	20.920	.060							1.0

September 27 2018 Hour: 11:24 14.0 Lat: 35.80N Lon: 8.86W Depth: 19F 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	168	6	EP		1124	38.55	-.020							1.0
MORF	HE	168	6	ES		1124	56.40	-.070							1.0
MORF	HN	168	6	IAML		1124	57.99			16	0.2				
MESJ	HE	233	14	ES		1125	10.570	.090							1.0
MESJ	HE	233	14	IAML		1125	11.82			2	0.2				

September 27 2018 Hour: 11:24 24.5 Lat: 35.76N Lon: 8.90W Depth: 27F 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	173	7	EP		1124	49.02	-.020							1.0
MORF	HE	173	7	ES		1125	6.87	-.060							1.0
MORF	HN	173	7	IAML		1125	8.45			24	0.2				
MESJ	HN	239	15	ES		1125	21.110	.090							1.0
MESJ	HN	239	15	IAML		1125	22.22			7	0.2				

September 27 2018 Hour: 15:53 33.6 Lat: 5.92S Lon: 154.75E Depth:171F 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	BZ16102	336	EPKP			1612	48.84	-.010							1.0
MORF	BZ16173	336	EPKP			1612	50.950	.010							1.0

September 27 2018 Hour: 17:49 53.7 Lat: 37.32N Lon: 8.55W Depth: 10F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	259	EP		1749	55.75	-.200							1.0
MORF	HN	9	259	ES		1749	57.770	.170							1.0
MORF	HN	9	259	IAML		1749	58.40			28	0.1				
MESJ	HZ	65	27	EP		1750	4.270	.040							1.0

September 27 2018 Hour: 20:19 22.6 Lat: 39.33N Lon: 8.61W Depth: 0 Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NW ALPIARCA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	169	168	EP		2019	48.79	-.200							1.0
MESJ	HN	169	168	ES		2020	8.480	.200							1.0
MESJ	HN	169	168	IAML		2020	9.23			5	0.3				
MORF	HZ	225	181	EP		2019	55.97	-.000							1.0

September 27 2018 Hour: 22:25 42.5 Lat: 18.17S Lon: 178.24W Depth:540F Agency: IGL Distant
Rms: 0.0 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17643	22	EPKPab			2245	16.77	-.010							1.0
MORF	BZ17678	24	EPKPab			2245	18.230	.010							1.0

September 27 2018 Hour: 22:49 39.1 Lat: 37.00N Lon: 8.35W Depth: 19F Agency: IGL Regional
Magnitudes: 2.9ML 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	43	322	EP		2249	46.41	-.110							1.0
MORF	HN	43	322	ES		2249	52.070	.100							1.0
MORF	HE	43	322	IAML		2249	53.14			961	0.1				
MESJ	HZ	94	7	EP		2249	53.88	-.140							1.0
MESJ	HE	94	7	ES		2250	5.100	.150							1.0
MESJ	HN	94	7	IAML		2250	6.35			276	0.2				

September 28 2018 Hour: 2:38 32.2 Lat: 37.30N Lon: 7.82W Depth: 5F Agency: IGL Regional
Magnitudes: 0.2ML 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	70	330	EP		238	43.21	-.200							1.0
MESJ	HE	70	330	ES		238	51.740	.120							1.0
MESJ	HE	70	330	IAML		238	52.15			1.00	0.1				
MORF	HZ	74	271	EP		238	44.200	.090							1.0

September 28 2018 Hour: 10: 2 43.1 Lat: 0.18S Lon: 119.84E Depth: 10F Agency: IGL Distant
Magnitudes: 7.4Ms IGL Rms: 0.1 secs

MINAHASA, SULAWESI, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13285	314	EPP			1022	53.630	.070							1.0
MESJ	BZ13285	314	IAMs_20			1118	20.63			108000	25.1				
GGNV	BZ13316	316	EPP			1022	55.41	-.000							1.0
GGNV	BZ13316	316	IAMs_20			1118	23.56			113000	22.5				
MORF	BZ13345	314	EPP			1022	57.26	-.070							1.0
MORF	BE13345	314	IAMs_20			1114	31.63			126000	23.2				

September 28 2018 Hour: 12:32 44.5 Lat: 15.08N Lon: 60.45W Depth: 38F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

MARTINIQUE REGION, WINWARD ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5651	54	EP		1241	40.90	-.020							1.0
MORF	BZ	5651	54	IAMB		1241	42.65			57	1.0				
MESJ	BZ	5700	53	EP		1241	44.230	.020							1.0
MESJ	BZ	5700	53	IAMB		1241	45.24			16	1.0				

September 29 2018 Hour: 22:13 18.8 Lat: 36.37N Lon: 4.58W Depth: 67F 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	363	298	EP		2214	6.09	-.140							1.0
MESJ	HN	363	298	ES		2214	40.880	.040							1.0
MESJ	HN	363	298	IAML		2214	42.98			13	0.3				
MORF	HZ	378	287	EP		2214	8.230	.100							1.0
MORF	HN	378	287	ES		2214	44.120	.000							1.0
MORF	HN	378	287	IAML		2214	45.78			12	0.1				

September 30 2018 Hour: 10:52 23.1 Lat: 18.37S Lon: 178.09W Depth: 551F 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
GGNV	BZ	17533	23	EPKPdf		1111	15.920	.090							1.0
GGNV	BZ	17533	23	EPKPab		1111	51.88	-.130							1.0
GGNV	BZ	17533	23	EpPKPdf		1113	25.510	.100							1.0
GGNV	BZ	17533	23	EpPKPab		1113	53.960	.080							1.0
MESJ	BZ	17658	23	EPKPdf		1111	17.17	-.040							1.0
MESJ	BZ	17658	23	EPKPab		1111	56.76	-.160							0.9
MESJ	BZ	17658	23	EpPKPdf		1113	26.900	.050							1.0
MESJ	BZ	17658	23	EpPKPab		1113	58.810	.100							1.0
MORF	BZ	17692	24	EPKPdf		1111	17.700	.070							1.0
MORF	BZ	17692	24	EPKPab		1111	58.14	-.190							0.9
MORF	BZ	17692	24	EpPKPdf		1113	27.280	.000							1.0
MORF	BZ	17692	24	EpPKPab		1114	0.09	-.010							1.0

September 30 2018 Hour: 21:27 24.6 Lat: 33.84N Lon: 4.48W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	558	324	EP		2128	38.930	.010							1.0

September 30 2018 Hour: 21:30 24.8 Lat: 40.13N Lon: 8.16W Depth: 19F Agency: IGL Regional
Rms: 0.1 secs

SW GOIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	254	181	EP		2131	0.070	.060							1.0
MORF	HZ	317	188	EP		2131	7.71	-.060							1.0

October 1 2018 Hour: 1:10 38.8 Lat: 38.11N Lon: 8.19W Depth: 2F Agency: IGL Regional
Magnitudes: 0.8ML 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	30	185	EP		110	43.740	.050							1.0
MESJ	HE	30	185	ES		110	47.19	-.050							1.0
MESJ	HN	30	185	IAML		110	47.42			15	0.1				

October 1 2018 Hour: 2:429.0 Lat: 37.30N Lon: 8.46W Depth: 22F Agency: IGL Regional
Magnitudes: 0.4ML 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	17	272	EP		2	4	33.28							1.0
MORF	HN	17	272	ES		2	4	36.800							1.0
MORF	HN	17	272	IAML		2	4	37.22			3	0.1			
MESJ	HN	64	19	ES		2	4	47.370							1.0
MESJ	HE	64	19	IAML		2	4	47.91			3	0.2			

October 1 2018 Hour: 5:52 1.1 Lat: 37.73N Lon: 9.54W Depth: 26F Agency: IGL Regional
Magnitudes: 4.2ML 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	92	121	EP		552	15.620	0.010							1.0
MORF	HE	92	121	ES		552	26.300	0.120							1.0
MORF	HN	92	121	IAML		552	27.20			11735	0.1				
GGNV	HZ	115	17	EP		552	18.34	0.100							1.0
GGNV	HN	115	17	ES		552	31.05	0.020							1.0
GGNV	HN	115	17	IAML		552	32.34			6137	0.3				
MESJ	HZ	117	84	EP		552	18.70	0.030							1.0
MESJ	HN	117	84	ES		552	31.590	0.020							1.0
MESJ	HN	117	84	IAML		552	36.05			1943	0.3				

October 1 2018 Hour: 5:58 11.7 Lat: 37.73N Lon: 9.55W Depth: 29F Agency: IGL Regional
Magnitudes: 3.7ML 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	92	121	EP		558	26.06	0.010							1.0
MORF	HN	92	121	ES		558	36.570	0.000							1.0
MORF	HE	92	121	IAML		558	37.63			4389	0.2				
GGNV	HZ	115	18	EP		558	28.76	0.070							1.0
GGNV	HN	115	18	ES		558	41.580	0.230							1.0
GGNV	HE	115	18	IAML		558	42.60			1307	0.3				
MESJ	HZ	118	84	EP		558	29.19	0.010							1.0
MESJ	HN	118	84	ES		558	41.84	0.140							1.0
MESJ	HN	118	84	IAML		558	46.54			547	0.3				

October 1 2018 Hour: 6:138.7 Lat: 37.74N Lon: 9.54W Depth: 24F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	92	121	EP		6	1	53.24							1.0
MORF	HE	92	121	ES		6	2	3.87							1.0
MORF	HE	92	121	IAML		6	2	4.68			43	0.2			
MESJ	HZ	117	84	EP		6	1	56.31							1.0
MESJ	HE	117	84	ES		6	2	9.410							1.0
MESJ	HE	117	84	IAML		6	2	10.24			3	0.1			

October 1 2018 Hour: 7:36 58.0 Lat: 40.20N Lon: 10.42W Depth: 18F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	324	143	EP		737	42.040	0.090							1.0
MESJ	HE	324	143	ES		738	14.090	0.060							1.0
MESJ	HE	324	143	IAML		738	16.83			0.70	0.1				
MORF	HZ	356	154	EP		737	45.86	0.130							1.0
MORF	HE	356	154	ES		738	21.00	0.020							1.0
MORF	HN	356	154	IAML		738	22.90			3	0.1				

October 1 2018 Hour: 17:47 59.9 Lat: 37.30N Lon: 8.67W Depth: 10F Agency: IGL Regional
Magnitudes: 0.5ML 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	2	73	EP		1748	1.61	-.050							1.0
MORF	HN	2	73	ES		1748	2.960	.050							1.0
MORF	HN	2	73	IAML		1748	3.33			31	0.1				

October 1 2018 Hour: 23:27 6.3 Lat: 10.48S Lon: 120.20E Depth: 22F Agency: IGL Distant
Rms: 0.0 secs
SUMBA REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14076	310	EPK	Pdf		2346	7.23	-.010							1.0
MORF	BZ14130	309	EPK	Pdf		2346	8.220	.010							1.0

October 1 2018 Hour: 23:44 23.3 Lat: 37.32N Lon: 8.56W Depth: 8F Agency: IGL Regional
Magnitudes: 1.1ML 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	8	258	EP		2344	25.00	-.270							1.0
MORF	HN	8	258	ES		2344	26.860	.170							1.0
MORF	HN	8	258	IAML		2344	27.24			297	0.1				
MESJ	HZ	65	27	EP		2344	33.920	.010							1.0
MESJ	HN	65	27	ES		2344	41.720	.090							1.0
MESJ	HE	65	27	IAML		2344	44.24			3	0.1				

October 1 2018 Hour: 23:59 44.8 Lat: 10.50S Lon: 120.22E Depth: 29F Agency: IGL Distant
Rms: 0.0 secs
SUMBA REGION, INDONEASIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14079	310	EPK	P		2418	44.81	0.03							1.0
MORF	BZ14133	309	EPK	P		2418	45.71	-0.03							1.0

October 2 2018 Hour: 0:16 46.8 Lat: 10.46S Lon: 120.16E Depth: 26F Agency: IGL Distant
Rms: 0.1 secs
SUMBA REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14071	310	EPK	P		035	47.180	.090							1.0
MORF	BZ14125	309	EPK	P		035	47.97	-.090							1.0

October 2 2018 Hour: 2:42 49.4 Lat: 31.86N Lon: 50.53E Depth: 10F Agency: IGL Distant
Rms: 0.0 secs
WESTERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5328	294	EP		251	27.72	-.010							1.0

October 2 2018 Hour: 10: 8 37.9 Lat: 17.82S Lon: 167.85E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.0 secs
VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17779	351	EPK	Pdf		1028	36.34	-0.03							1.0
MESJ	BZ17779	351	IAMs	_20		1149	39.02			869	16.6				
MORF	BZ17844	352	EPK	Pdf		1028	37.13	0.03							1.0
MORF	BZ17844	352	IAMs	_20		1143	15.54			1064	19.8				

October 3 2018 Hour: 5:23 30.7 Lat: 10.39S Lon: 160.65E Depth: 10F Agency: IGL Distant
Rms: 0.1 secs
SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16796	342	EPK	P		543	17.08	-.070							1.0
MORF	BZ16866	342	EPK	P		543	18.230	.070							1.0

October 3 2018 Hour: 23:13 7.4 Lat: 37.34N Lon: 8.54W Depth: 11F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	248	EP		2313	9.76	-.230							1.0
MORF	HE	11	248	ES		2313	11.940	.090							1.0
MORF	HE	11	248	IAML		2313	12.38			35	0.1				
MESJ	HZ	62	27	EP		2313	17.700	.090							1.0
MESJ	HN	62	27	ES		2313	25.090	.060							1.0
MESJ	HE	62	27	IAML		2313	26.19			1	0.1				

October 4 2018 Hour: 4:16 20.3 Lat: 17.86S Lon: 178.54W Depth: 579F Agency: IGL Distant
Rms: 0.2 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17623		21	EPK	Pdf	435	11.440	.220							1.0
MESJ	BZ17623		21	EPK	Pab	435	50.04	-.160							1.0
MORF	BZ17659		23	EPK	Pdf	435	11.760	.110							1.0
MORF	BZ17659		23	EPK	Pab	435	51.51	-.170							1.0

October 4 2018 Hour: 5:17 31.4 Lat: 36.33N Lon: 2.78W Depth: 1 Agency: IGL Regional
Magnitudes: 2.4ML 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	512	291	EP		518	39.98	-.010							1.0
MESJ	HN	512	291	ES		519	30.090	.010							1.0
MESJ	HN	512	291	IAML		519	34.54			6	0.4				
MORF	HZ	535	283	EP		518	42.820	.000							1.0
MORF	HN	535	283	ES		519	34.97	-.010							1.0
MORF	HN	535	283	IAML		519	37.14			7	0.3				

October 4 2018 Hour: 5:43 4.1 Lat: 36.55N Lon: 7.55W Depth: 25F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	311	EP		543	23.23	-.070							1.0
MORF	HE	129	311	ES		543	37.390	.070							1.0
MORF	HE	129	311	IAML		543	38.34			7	0.2				
MESJ	HZ	155	338	EP		543	26.48	-.000							1.0

October 4 2018 Hour: 7:51 18.5 Lat: 35.94N Lon: 5.36W Depth: 51F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	331	311	EP		752	2.010	.040							1.0
MESJ	HN	331	311	ES		752	33.69	-.010							1.0
MORF	HZ	331	298	EP		752	1.96	-.070							1.0
MORF	HN	331	298	ES		752	33.850	.040							1.0
MORF	HN	331	298	IAML		752	36.37			48	0.2				
MESJ	HE	331	311	IAML		752	36.16			16	0.1				

October 4 2018 Hour: 16:45 47.5 Lat: 37.34N Lon: 8.76W Depth: 1F Agency: IGL Regional
Magnitudes: 0.8ML 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	113	EP		1645	49.16	-.060							1.0
MORF	HE	10	113	ES		1645	50.500	.060							1.0
MORF	HN	10	113	IAML		1645	50.91			70	0.1				

October 4 2018 Hour: 22:48 35.2 Lat: 37.29N Lon: 8.50W Depth: 15F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	277	EP		2248	38.41	-.080							1.0
MORF	HN	14	277	ES		2248	40.89	-.010							1.0
MORF	HN	14	277	IAML		2248	41.32			12	0.1				
MESJ	HN	66	22	ES		2248	53.74	0.090							1.0
MESJ	HE	66	22	IAML		2248	54.78			2	0.1				

October 5 2018 Hour: 7:12 9.2 Lat: 37.03N Lon: 9.82W Depth: 0 Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	108	73	EP		712	26.55	-.070							1.0
MORF	HN	108	73	ES		712	39.14	-.210							1.0
MORF	HN	108	73	IAML		712	40.23			23	0.2				
MESJ	HZ	168	57	EP		712	35.47	-.010							1.0
MESJ	HN	168	57	ES		712	54.98	0.310							1.0
MESJ	HE	168	57	IAML		712	56.19			3	0.2				

October 5 2018 Hour: 14:59 43.8 Lat: 5.69S Lon: 11.53W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.1 secs

ASCENSION ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4770	3	EP		15 7	42.51	0.070							1.0
MORF	BZ	4770	3	IAMs_20		1525	26.47			2026	18.5				
MESJ	BZ	4833	4	EP		15 7	46.81	-.110							1.0
MESJ	BN	4833	4	ES		1514	16.25	0.050							1.0
MESJ	BZ	4833	4	IAMs_20		1525	18.42			1712	19.5				
GGNV	BZ	4924	3	EP		15 7	53.48	-.010							1.0
GGNV	BN	4924	3	IAMs_20		1526	54.36			3364	23.3				

October 5 2018 Hour: 18:55 14.2 Lat: 36.09N Lon: 15.36W Depth: 16F 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	614	75	EP		1856	33.73	-.050							1.0
MESJ	HN	665	71	ES		1857	42.46	0.050							1.0
MESJ	HN	665	71	IAML		1857	45.35			2	0.2				

October 6 2018 Hour: 3:43 55.3 Lat: 37.32N Lon: 8.53W Depth: 8F Agency: IGL Regional
Magnitudes: 0.2ML 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	261	EP		343	57.43	-.090							1.0
MORF	HE	11	261	ES		343	59.25	0.090							1.0
MORF	HE	11	261	IAML		343	59.93			11	0.1				

October 6 2018 Hour: 10:16 1.1 Lat: 37.32N Lon: 16.18W Depth: 8F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	667	88	EP		1017	27.94	-.040							1.0
MORF	HN	667	88	ES		1018	31.36	-.010							1.0
MORF	HE	667	88	IAML		1018	34.37			5	0.2				
MESJ	HZ	706	83	EP		1017	32.60	0.060							1.0
MESJ	HE	706	83	ES		1018	39.26	-.010							1.0
MESJ	HN	706	83	IAML		1018	39.84			1	0.1				

October 7 2018 Hour: 0:10 4.8 Lat: 7.61N Lon: 37.74W Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 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	4412	37	EP		017	36.75	-.020							1.0
MORF	BZ	4412	37	IAMB		017	37.84			337	1.7				
MORF	BZ	4412	37	EPP		019	7.54	-.060							1.0
MESJ	BZ	4479	37	EP		017	41.74	-.040							1.0
MESJ	BZ	4479	37	IAMB		017	42.48			93	1.4				
MESJ	BZ	4479	37	EPP		019	14.19	-.010							1.0
GGNV	BZ	4484	35	EP		017	42.03	-.050							1.0
GGNV	BZ	4484	35	IAMB		017	42.88			151	1.2				
GGNV	BZ	4484	35	EPP		019	14.800	.200							0.9

October 7 2018 Hour: 0:11 49.0 Lat: 20.04N Lon: 72.98W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.0 secs

HAITI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	6404	56	EP		021	38.760	.020							1.0
GGNV	BZ	6404	56	IAMS_20		044	22.62			13571	24.4				
MORF	BZ	6451	58	EP		021	41.820	.020							1.0
MORF	BZ	6451	58	IAMS_20		041	4.93			9708	24.4				
MESJ	BZ	6487	57	EP		021	44.00	-.040							1.0
MESJ	BZ	6487	57	IAMS_20		040	36.50			9067	27.1				

October 7 2018 Hour: 5:14 24.4 Lat: 36.71N Lon: 7.34W Depth: 32F 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	134	300	EP		514	43.76	-.160							1.0
MESJ	HZ	148	328	EP		514	45.770	.190							1.0
MESJ	HE	148	328	ES		515	0.97	-.030							1.0
MESJ	HE	148	328	IAML		515	2.66			14	0.2				

October 7 2018 Hour: 10:41 47.1 Lat: 37.52N Lon: 7.88W Depth: 17F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

E ALMODOVAR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	46	320	EP		1041	55.010	.040							1.0
MESJ	HN	46	320	ES		1042	0.64	-.040							1.0
MESJ	HN	46	320	IAML		1042	1.86			11	0.1				
MORF	HZ	73	251	EP		1041	58.910	.050							1.0
MORF	HE	73	251	ES		1042	7.37	-.050							1.0
MORF	HE	73	251	IAML		1042	8.57			17	0.1				

October 7 2018 Hour: 12:57 44.2 Lat: 38.94N Lon: 8.69W Depth: 0F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

SW CORUCHE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	129	161	EP		1258	5.090	.060							1.0
MESJ	HN	129	161	ES		1258	20.290	.050							1.0
MESJ	HE	129	161	IAML		1258	21.87			3	0.2				
MORF	HZ	182	179	EPg		1258	13.54	-.000							1.0
MORF	HN	182	179	ESg		1258	34.85	-.110							1.0
MORF	HN	182	179	IAML		1258	35.49			3	0.1				

October 7 2018 Hour: 20: 0 17.5 Lat: 20.06N Lon: 72.91W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.0 secs

HAITI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6443	58	EP		2010	9.85	-.010							1.0
MORF	BE	6443	58	ES		2018	10.68	-.040							1.0
MORF	BE	6443	58	IAMS_20		2029	10.77			2119	22.8				

MESJ BZ 6480 57 EP 2010 12.09-.010 1.0
 MESJ BN 6480 57 ES 2018 14.970.060 1.0
 MESJ BZ 6480 57 IAMS_20 2029 34.58 1581 16.8

October 8 2018 Hour: 5:32 53.3 Lat: 40.20N Lon: 10.48W Depth: 45F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	326	143	EP		533	36.440	.070							1.0
MORF	HZ	358	153	EP		533	40.230	.010							1.0
MORF	HN	358	153	ES		534	14.41	-.080							1.0
MORF	HE	358	153	IAML		534	18.10			8	0.2				

October 8 2018 Hour: 6:58 34.4 Lat: 38.23N Lon: 8.14W Depth: 6F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

SW ALVITO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	44	190	EP		658	41.730	.170							1.0
MESJ	HE	44	190	ES		658	46.62	-.130							1.0
MESJ	HN	44	190	IAML		658	47.11			16	0.1				
MORF	HN	112	204	ES		659	5.56	-.050							1.0
MORF	HE	112	204	IAML		659	6.20			13	0.1				

October 8 2018 Hour: 17:23 31.2 Lat: 36.99N Lon: 8.42W Depth: 13F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	41	330	EP		1723	38.02	-.090							1.0
MORF	HN	41	330	ES		1723	43.12	-.040							1.0
MORF	HN	41	330	IAML		1723	44.78			40	0.2				
MESJ	HZ	96	10	EP		1723	46.680	.200							1.0
MESJ	HE	96	10	ES		1723	57.57	-.060							1.0
MESJ	HN	96	10	IAML		1723	59.58			32	0.1				

October 8 2018 Hour: 22:25 16.1 Lat: 36.82N Lon: 8.28W Depth: 17F 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	63	328	EP		2225	26.480	.070							1.0
MORF	HN	63	328	ES		2225	33.87	-.070							1.0
MORF	HE	63	328	IAML		2225	35.31			10	0.2				

October 9 2018 Hour: 7:41 51.9 Lat: 37.11N Lon: 3.54W Depth: 0 Agency: IGL Regional
Magnitudes: 3.5ML 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	422	282	EP		742	49.77	-.030							1.0
MESJ	HN	422	282	ES		743	32.170	.110							1.0
MESJ	HN	422	282	IAML		743	51.87			100	0.8				
MORF	HZ	455	274	EP		742	53.72	-.090							1.0
MORF	HN	455	274	ES		743	39.020	.020							1.0
MORF	HN	455	274	IAML		743	41.41			133	0.6				

October 9 2018 Hour: 7:45 12.0 Lat: 49.39N Lon: 156.23E Depth: 20F Agency: IGL Distant
Magnitudes: 6.5Ms 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	BZ10147	349	EP			758	15.54	-.020							1.0
GGNV	BZ10147	349	IAMS_20			847	33.84			10254	20.8				
MESJ	BZ10229	348	EP			758	18.87	-.150							1.0
MESJ	BZ10229	348	EPP			8	1	59.12	-.040						1.0
MESJ	BN10229	348	ESKSac			8	8	51.130	.080						1.0
MESJ	BZ10229	348	IAMS_20			847	15.26			19930	14.7				
MORF	BZ10294	348	EP			758	21.66	-.130							1.0

MORF BZ10294	348	EPP	8	2	3.980.160														1.0
MORF BN10294	348	ESKSac	8	8	54.540.100														1.0
MORF BZ10294	348	IAMs_20	847	44.21					17474	16.1									

October 9 2018 Hour: 8:12 18.1 Lat: 36.62N Lon: 7.59W Depth: 24F Agency: IGL Regional
Magnitudes: 0.7ML 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
MESJ	HZ	146	338	EP		812	39.40-	.050							1.0
MESJ	HN	146	338	ES		812	55.080-	.050							1.0
MESJ	HN	146	338	IAML		812	55.90		0.90	0.1					

October 9 2018 Hour: 18:42 43.3 Lat: 37.30N Lon: 8.58W Depth: 10F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs

SW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	274	EP		1842	45.17-	.110							1.0
MORF	HE	6	274	ES		1842	46.850-	.110							1.0
MORF	HN	6	274	IAML		1842	47.22		15	0.1					

October 9 2018 Hour: 19:5 43.0 Lat: 23.62S Lon: 13.42W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb 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	6760	4	EP		1915	55.160-	.120							1.0
MORF	BZ	6760	4	IAMB		1916	2.90		44	1.3					
MESJ	BZ	6823	5	EP		1915	58.69-	.120							1.0
MESJ	BZ	6823	5	IAMB		1916	2.08		20	1.4					

October 9 2018 Hour: 23:12 30.8 Lat: 18.48S Lon: 175.40W Depth: 232F Agency: IGL Distant
Magnitudes: 0.0 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	BZ17548	28	EPKpdf			2331	58.750-	.060							1.0
MESJ	BZ17548	28	EPKpab			2332	32.96-	.020							1.0
MORF	BZ17575	29	EPKpab			2332	34.06-	.040							1.0

October 10 2018 Hour: 5:1 7.2 Lat: 36.71N Lon: 7.31W Depth: 28F 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	136	299	EP		5	1	26.87-	.220						1.0
MORF	HN	136	299	ES		5	1	41.650-	.010						1.0
MORF	HN	136	299	IAML		5	1	42.23		1	0.1				
MESJ	HZ	149	327	EP		5	1	28.800-	.180						1.0
MESJ	HE	149	327	ES		5	1	44.330-	.040						1.0
MESJ	HN	149	327	IAML		5	1	44.76		4	0.1				

October 10 2018 Hour: 6:27 57.5 Lat: 55.71N Lon: 158.96W Depth: 57F Agency: IGL Distant
Magnitudes: 4.9Mb 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
MESJ	BZ	9277	23	EP		640	18.810-	.040							1.0
MESJ	BZ	9277	23	IAMB		640	23.69		14	1.3					
MESJ	BZ	9277	23	EpP		640	35.34-	.140							1.0
MORF	BZ	9324	23	EP		640	21.040-	.080							1.0
MORF	BZ	9324	23	IAMB		640	22.37		18	1.0					
MORF	BZ	9324	23	EpP		640	37.690-	.020							1.0

October 10 2018 Hour: 14: 8 23.3 Lat: 43.53N Lon: 16.08W Depth: 13F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	916	131	EP		1410	18.93	-.040							1.0
MORF	HZ	935	135	EP		1410	21.03	-.160							1.0
MORF	HE	935	135	ES		1411	47.430	.210							1.0
MORF	HN	935	135	IAML		1411	52.71			7	0.2				

October 10 2018 Hour: 17:37 2.7 Lat: 37.34N Lon: 8.49W Depth: 13F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	255	EP		1737	5.97	-.020							1.0
MORF	HE	15	255	ES		1737	8.370	.020							1.0
MORF	HE	15	255	IAML		1737	8.60			55	0.1				

October 10 2018 Hour: 17:56 6.4 Lat: 37.34N Lon: 8.81W Depth: 4F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	106	EP		1756	8.87	-.030							1.0
MORF	HN	15	106	ES		1756	10.690	.000							1.0
MORF	HN	15	106	IAML		1756	12.76			14	0.2				
MESJ	HZ	76	43	EP		1756	18.69	-.050							1.0
MESJ	HE	76	43	ES		1756	27.790	.080							1.0
MESJ	HE	76	43	IAML		1756	28.40			1.00	0.1				

October 10 2018 Hour: 18:44 55.5 Lat: 7.45S Lon: 114.46E Depth: 9F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

BALI SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13377	310	EPKpdf			19 3	46.730	.040							1.0
MESJ	BZ13377	310	EPP			19 5	11.980	.080							1.0
MESJ	BZ13377	310	IAMs_20			20 7	30.44			1894	20.4				
MORF	BZ13429	309	EPKpdf			19 3	47.52	-.120							1.0
MORF	BZ13429	309	EPP			19 5	15.210	.030							1.0
MORF	BZ13429	309	IAMs_20			20 2	12.87			1797	24.6				
GGNV	BZ13429	311	EPP			19 5	15.04	-.040							1.0

October 10 2018 Hour: 20: 0 54.4 Lat: 37.22N Lon: 8.55W Depth: 16F 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	13	316	EP		20 0	57.61	-.180							1.0
MORF	HE	13	316	ES		20 1	0.350	.120							1.0
MORF	HE	13	316	IAML		20 1	1.97			17	0.1				
MESJ	HZ	75	23	EP		20 1	6.480	.020							1.0
MESJ	HE	75	23	ES		20 1	15.270	.040							1.0
MESJ	HE	75	23	IAML		20 1	16.13			2	0.2				

October 10 2018 Hour: 20:48 20.5 Lat: 5.71S Lon: 151.22E Depth: 45F Agency: IGL Distant
Magnitudes: 7.1Ms IGL Rms: 0.1 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15878	334	EPKP			21 7	47.990	.000							1.0
GGNV	BE15878	334	IAMs_20			2214	21.09			34971	18.6				
MESJ	BZ15912	333	EPKP			21 7	48.47	-.090							1.0
MESJ	BZ15912	333	IAMs_20			2213	6.75			49248	24.9				
MORF	BZ15983	332	EPKP			21 7	49.800	.080							1.0
MORF	BZ15983	332	IAMs_20			2212	2.45			42796	26.7				

October 10 2018 Hour: 21:13 14.1 Lat: 5.92S Lon: 151.14E Depth: 20F Agency: IGL Distant
Rms: 0.0 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15929	332	EPKP			2132	46.030	.020							1.0
MORF	BZ15999	332	EPKP			2132	47.14	-.020							1.0

October 10 2018 Hour: 22: 2 38.8 Lat: 36.38N Lon: 9.92W 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	153	47	EP		22 3	0.89	-.050							1.0
MORF	HN	153	47	ES		22 3	17.130	.030							1.0
MORF	HN	153	47	IAML		22 3	18.05			3	0.1				
MESJ	HZ	222	43	EP		22 3	9.36	-.100							1.0
MESJ	HE	222	43	ES		22 3	31.950	.110							1.0

October 10 2018 Hour: 22: 0 32.5 Lat: 4.96S Lon: 151.72E Depth: 121F Agency: IGL Distant
Rms: 0.0 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15864	334	EPKP			2219	50.49	0.01							1.0
MORF	BZ15934	333	EPKP			2219	51.63	-0.01							1.0

October 10 2018 Hour: 23:16 2.6 Lat: 49.29N Lon: 156.30E Depth: 20F Agency: IGL Distant
Magnitudes: 7.2Ms 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	BZ10159	349	EP			2329	6.760	.040							1.0
GGNV	BZ10159	349	EPP			2332	44.79	-.020							1.0
GGNV	BN10159	349	ESKSac			2339	38.06	-.000							1.0
GGNV	BZ10159	349	IAMs_20			2412	26.59		42590	19.0					
MESJ	BZ10241	348	EP			2329	10.200	.020							1.0
MESJ	BN10241	348	ESKSac			2339	42.410	.090							1.0
MESJ	BZ10241	348	IAMs_20			2418	8.31		97272	16.1					
MORF	BZ10306	348	EP			2329	12.88	-.060							1.0
MORF	BZ10306	348	EPP			2332	55.420	.090							1.0
MORF	BN10306	348	ESKSac			2339	45.52	-.180							0.9
MORF	BZ10306	348	IAMs_20			2418	37.12		85322	16.1					

October 11 2018 Hour: 6:21 42.8 Lat: 36.37N Lon: 4.80W Depth: 75F Agency: IGL Regional
Magnitudes: 2.1ML 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		622	28.16	-.010							1.0
MESJ	HE	345	299	ES		623	1.340	.050							1.0
MESJ	HE	345	299	IAML		623	4.33			2	0.1				
MORF	HZ	359	288	EP		622	29.870	.020							1.0
MORF	HN	359	288	ES		623	4.13	-.060							1.0
MORF	HN	359	288	IAML		623	7.16			14	0.2				

October 11 2018 Hour: 9:55 37.7 Lat: 36.18N Lon: 8.54W Depth: 16F 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	125	355	EP		955	57.08	-.060							1.0
MORF	HE	125	355	ES		956	11.30	-.050							1.0
MORF	HE	125	355	IAML		956	12.18			74	0.1				
MESJ	HZ	186	9	EP		956	4.850	.140							1.0
MESJ	HE	186	9	ES		956	24.43	-.020							1.0
MESJ	HN	186	9	IAML		956	25.17			9	0.1				

October 12 2018 Hour: 0:26 2.3 Lat: 36.65N Lon: 9.74W Depth: 19F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	53	EP		026	20.96	-.020							1.0
MORF	HE	121	53	ES		026	34.650	.030							1.0
MORF	HE	121	53	IAML		026	37.67			201	0.2				
MESJ	HZ	189	45	EP		026	29.25	-.100							1.0
MESJ	HN	189	45	ES		026	49.200	.090							1.0
MESJ	HN	189	45	IAML		026	50.44			31	0.2				

October 12 2018 Hour: 13:28 58.7 Lat: 37.29N Lon: 8.47W Depth: 11F Agency: IGL Regional
Magnitudes: 0.3ML 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	16	276	EP		1329	1.78	-.150							1.0
MORF	HN	16	276	ES		1329	4.330	.050							1.0
MORF	HE	16	276	IAML		1329	4.70			17	0.2				
MESJ	HZ	65	20	EP		1329	9.300	.030							1.0
MESJ	HN	65	20	ES		1329	17.050	.070							1.0
MESJ	HN	65	20	IAML		1329	17.65			0.50	0.1				

October 12 2018 Hour: 20:9 31.0 Lat: 36.64N Lon: 7.16W Depth: 19F 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
MORF	HZ	152	299	EP		20 9	53.580	.020							1.0
MORF	HN	152	299	ES		2010	10.00	-.020							1.0
MORF	HN	152	299	IAML		2010	10.74			4	0.2				
MESJ	HZ	163	325	EP		20 9	54.900	.000							1.0

October 13 2018 Hour: 0:13 46.5 Lat: 13.68S Lon: 167.22E Depth:199F 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
MESJ	BZ17318	351	EP	KPab		033	43.44	-.060							1.0
MORF	BZ17384	352	EP	KPab		033	46.160	.060							1.0

October 13 2018 Hour: 4:34 15.7 Lat: 1.46N Lon: 125.41E Depth:106F Agency: IGL Distant
Rms: 0.0 secs

MOLUCCA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13587	317	EP	KPdf		452	57.490	.000							1.0
MORF	BZ13650	317	EP	KPdf		452	58.63	-.000							1.0

October 13 2018 Hour: 11:10 22.4 Lat: 52.85N Lon: 153.24E Depth:461F Agency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.1 secs

NORTHWEST OF KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9724	346	EP		1122	19.62	-.010							1.0
GGNV	BZ	9724	346	IAMB		1122	21.51			219	1.0				
GGNV	BZ	9724	346	EP	P	1124	3.920	.120							1.0
MESJ	BZ	9804	345	EP		1122	23.05	-.010							1.0
MESJ	BZ	9804	345	IAMB		1122	25.11			289	1.2				
MESJ	BZ	9804	345	EP	P	1124	7.500	.110							1.0
MESJ	BN	9804	345	ES	KSac	1132	6.89	-.120							1.0
MORF	BZ	9869	346	EP		1122	25.900	.040							1.0
MORF	BZ	9869	346	IAMB		1122	28.70			464	1.2				
MORF	BE	9869	346	ES	KSac	1132	10.44	-.140							1.0

October 13 2018 Hour: 15:32 24.1 Lat: 37.06N Lon: 8.61W Depth: 15F Agency: IGL Regional
Magnitudes: 1.1ML 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	27	352	EP		1532	28.85	-.310							1.0
MORF	HE	27	352	ES		1532	32.990	.170							1.0
MORF	HE	27	352	IAML		1532	33.72		26	0.1					
MESJ	HN	93	22	ES		1532	49.890	.140							1.0
MESJ	HN	93	22	IAML		1532	50.98		4	0.1					

October 14 2018 Hour: 9:21 31.3 Lat: 32.80N Lon: 10.55W Depth: 71F Agency: IGL Regional
Magnitudes: 3.2ML 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
MORF	HZ	529	19	EP		922	38.490	.020							1.0
MORF	HN	529	19	ES		923	27.49	-.020							1.0
MORF	HE	529	19	IAML		923	33.38		41	0.2					

October 14 2018 Hour: 21:0 23.1 Lat: 42.04N Lon: 7.52W Depth: 5F Agency: IGL Regional
Magnitudes: 2.4ML 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	470	188	EP		21 1	26.24	-.070							1.0
MESJ	HE	470	188	ES		21 2	12.470	.010							1.0
MESJ	HE	470	188	IAML		21 2	14.65		3	0.2					
MORF	HZ	535	191	EP		21 1	34.09	-.070							1.0
MORF	HE	535	191	ES		21 2	26.180	.140							1.0
MORF	HE	535	191	IAML		21 2	27.91		14	0.4					

October 15 2018 Hour: 1:32 12.6 Lat: 54.14N Lon: 159.49E Depth:121F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

NEAR EAST COAST OF KAMCHATKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9663	351	EP		144	43.570	.020							1.0
GGNV	BZ	9663	351	IAMB		144	44.77		104	1.0					
MESJ	BZ	9750	350	EP		144	47.27	-.050							1.0
MESJ	BZ	9750	350	IAMB		144	49.43		30	1.0					
MORF	BZ	9814	351	EP		144	50.100	.020							1.0
MORF	BZ	9814	351	IAMB		144	51.87		75	1.1					

October 15 2018 Hour: 4:18 32.7 Lat: 36.54N Lon: 8.06W Depth: 12F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	100	328	EP		418	48.54	-.000							1.0
MESJ	HN	145	354	ES		419	11.170	.000							1.0
MESJ	HN	145	354	IAML		419	11.50		11	0.3					

October 15 2018 Hour: 8:10 4.6 Lat: 36.91N Lon: 8.85W Depth: 28F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	47	22	EP		810	13.01	-.070							1.0
MORF	HN	47	22	ES		810	19.330	.080							1.0
MORF	HN	47	22	IAML		810	19.71		85	0.2					
MESJ	HZ	117	28	EP		810	21.97	-.160							1.0
MESJ	HE	117	28	ES		810	35.070	.150							1.0
MESJ	HN	117	28	IAML		810	36.27		7	0.1					

October 15 2018 Hour: 19:25 26.7 Lat: 36.72N Lon: 8.87W Depth: 26F 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	68	17	EP		1925	37.76	-.090							1.0
MORF	HE	68	17	ES		1925	46.080	.080							1.0
MORF	HN	68	17	IAML		1925	46.94		44	0.1					
MESJ	HZ	137	25	EP		1925	46.60	-.170							1.0
MESJ	HE	137	25	ES		1926	1.620	.180							1.0
MESJ	HN	137	25	IAML		1926	3.29		13	0.2					

October 15 2018 Hour: 19:52 36.3 Lat: 38.69N Lon: 9.51W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

W CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	147	130	EP		1952	59.80	-.090							1.0
MESJ	HE	147	130	ES		1953	17.200	.060							1.0
MESJ	HE	147	130	IAML		1953	18.15		10	0.4					
MORF	HZ	171	154	EPg		1953	3.86	-.010							1.0
MORF	HN	171	154	ES		1953	22.580	.030							1.0
MORF	HN	171	154	IAML		1953	26.92		23	0.3					

October 16 2018 Hour: 0:28 14.0 Lat: 21.94S Lon: 169.48E Depth: 10F Agency: IGL Distant
Rms: 0.0 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18251	353	EPK	Pab		049	10.430	.040							1.0
MORF	BZ18315	354	EPK	Pab		049	12.93	-.040							1.0

October 16 2018 Hour: 1:3 43.1 Lat: 21.73S Lon: 169.49E Depth: 10F Agency: IGL Distant
Rms: 0.0 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18229	353	EPK	Pab		124	38.720	.050							1.0
MORF	BZ18292	354	EPK	Pab		124	41.20	-.050							1.0

October 16 2018 Hour: 4:38 18.3 Lat: 36.61N Lon: 9.72W Depth: 15F 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	122	51	EP		438	37.550	.030							1.0
MESJ	HZ	191	44	EP		438	45.85	-.120							1.0
MESJ	HE	191	44	ES		439	6.250	.090							1.0
MESJ	HN	191	44	IAML		439	6.73		1	0.2					

October 16 2018 Hour: 5:7 58.8 Lat: 37.28N Lon: 8.41W Depth: 24F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

N SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	21	278	EP		5 8	3.84	-.000							1.0
MORF	HN	21	278	ES		5 8	7.550	.000							1.0
MORF	HN	21	278	IAML		5 8	7.99		31	0.3					

October 16 2018 Hour: 8:35 36.3 Lat: 0.94N Lon: 28.21W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Ms 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	4501	24	EP		843	15.09	-.020							1.0
MORF	BZ	4501	24	IAMs_20		856	35.85		3189	22.6					

**October 16 2018 Hour: 19:28 16.7 Lat: 36.58N Lon: 9.81W Depth: 10F 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	131	52	EP		1928	37.340	.020							1.0
MORF	HN	131	52	ES		1928	52.28-	.090							1.0
MORF	HN	131	52	IAML		1928	53.14			2	0.1				
MESJ	HZ	199	45	EP		1928	45.78-	.040							1.0
MESJ	HE	199	45	ES		1929	7.200	.120							1.0
MESJ	HN	199	45	IAML		1929	7.57			1.00	0.1				

**October 17 2018 Hour: 2:51 33.4 Lat: 39.21N Lon: 0.15E Depth: 12F Agency: IGL Regional
Magnitudes: 3.4ML 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	746	261	EP		253	9.090	.020							1.0
MESJ	HE	746	261	ES		254	18.920	.010							1.0
MESJ	HN	746	261	IAML		255	8.72			32	0.5				
MORF	HZ	799	257	EP		253	15.35-	.030							1.0

**October 18 2018 Hour: 4: 0 0.5 Lat: 35.90N Lon: 9.98W Depth: 24F 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	196	37	EP		4 0	28.030	.030							1.0
MORF	HN	196	37	ES		4 0	48.09-	.010							1.0
MORF	HE	196	37	IAML		4 0	48.55			11	0.1				
MESJ	HZ	266	36	EP		4 0	36.70-	.020							1.0

**October 18 2018 Hour: 17:57 44.5 Lat: 37.86N Lon: 3.25W Depth: 10F Agency: IGL Regional
Magnitudes: 2.9ML 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	438	271	EP		1758	43.19-	.090							1.0
MESJ	HN	438	271	ES		1759	26.160	.000							1.0
MESJ	HN	438	271	IAML		1759	29.49			30	0.2				
MORF	HZ	481	264	EP		1758	48.700	.090							1.0

**October 19 2018 Hour: 4:13 48.4 Lat: 36.33N Lon: 6.03W Depth: 58F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	257	296	EP		414	22.99-	.040							1.0
MESJ	HZ	257	311	EP		414	22.950	.060							1.0
MORF	HE	257	296	ES		414	48.390	.060							1.0
MESJ	HN	257	311	ES		414	48.01-	.080							1.0
MESJ	HN	257	311	IAML		414	49.53			30	0.1				
MORF	HE	257	296	IAML		414	50.68			60	0.2				

**October 19 2018 Hour: 18:58 6.7 Lat: 37.10N Lon: 7.93W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs**

SW S.BRAS DE ALPORTEL, PORTUGAL Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	68	290	EP		1858	17.880	.140							1.0
MORF	HN	68	290	ES		1858	25.64-	.140							1.0
MORF	HN	68	290	IAML		1858	27.11			5	0.1				

**October 19 2018 Hour: 20:23 20.3 Lat: 37.33N Lon: 8.58W Depth: 13F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs**

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	250	EP		2023	22.57	-.190							1.0
MORF	HE	7	250	ES		2023	24.650	.110							1.0
MORF	HN	7	250	IAML		2023	25.19			19	0.2				
MESJ	HZ	65	29	EP		2023	30.990	.080							1.0
MESJ	HN	65	29	ES		2023	38.640	.010							1.0
MESJ	HN	65	29	IAML		2023	38.75			1	0.2				

**October 19 2018 Hour: 22: 3 49.6 Lat: 37.33N Lon: 8.54W Depth: 10F Agency: IGL Regional
Magnitudes: 1.0ML 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	11	254	EP		22 3	51.990	.000							1.0
MORF	HN	11	254	ES		22 3	53.75	-.000							1.0
MORF	HN	11	254	IAML		22 3	53.95			62	0.2				

**October 21 2018 Hour: 1:40 38.0 Lat: 29.53S Lon: 60.70E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.0 secs**

SOUTHWEST INDIAN RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10338	312		EP		153	51.32	-.010							1.0
MESJ	BE10338	312		ESKSac		2 4	25.020	.010							1.0
MESJ	BZ10338	312		IAMs_20		234	7.99			1774	20.1				

**October 21 2018 Hour: 2:44 32.4 Lat: 36.26N Lon: 9.55W Depth: 29F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	141	34	EP		244	52.910	.060							1.0
MORF	HN	141	34	ES		245	7.54	-.220							1.0
MORF	HE	141	34	IAML		245	8.73			25	0.2				
MESJ	HZ	212	33	EP		245	1.720	.130							1.0
MESJ	HE	212	33	ES		245	22.920	.040							1.0
MESJ	HN	212	33	IAML		245	24.92			4	0.1				

**October 21 2018 Hour: 12: 6 26.7 Lat: 37.36N Lon: 8.81W Depth: 1F Agency: IGL Regional
Magnitudes: 1.1ML 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	15	113	EP		12 6	29.160	.100							1.0
MORF	HN	15	113	ES		12 6	30.68	-.140							1.0
MORF	HE	15	113	IAML		12 6	31.23			70	0.1				
MESJ	HZ	75	44	EP		12 6	38.740	.050							1.0

**October 21 2018 Hour: 14:24 15.1 Lat: 35.55N Lon: 9.61W Depth: 25F Agency: IGL Regional
Magnitudes: 2.8ML 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	213	24	EP		1424	44.720	.000							1.0
MORF	HN	213	24	ES		1425	6.15	-.170							1.0
MORF	HE	213	24	IAML		1425	7.55			115	0.1				
MESJ	HZ	283	26	EP		1424	53.440	.050							1.0
MESJ	HN	283	26	ES		1425	21.450	.130							1.0
MESJ	HE	283	26	IAML		1425	23.80			29	0.2				

October 21 2018 Hour: 14:30 16.9 Lat: 32.44N Lon: 6.17W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	585	338	EP		1431	34.57	-.100							1.0
MORF	HN	585	338	ES		1432	31.530	.100							1.0
MORF	HN	585	338	IAML		1432	35.85			7	0.4				

October 21 2018 Hour: 16:59 0.7 Lat: 36.62N Lon: 10.45W Depth: 11F 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	178	64	EP		1659	27.03	-.050							1.0
MORF	HN	178	64	ES		1659	46.490	.120							1.0
MORF	HN	178	64	IAML		1659	48.56			11	0.1				
MESJ	HZ	240	55	EP		1659	34.60	-.210							1.0
MESJ	HN	240	55	ES		1659	59.880	.130							1.0
MESJ	HN	240	55	IAML		17	0	1.65		1	0.2				

October 21 2018 Hour: 21: 8 56.5 Lat: 1.87S Lon: 79.90W Depth: 71F Agency: IGL Distant
Rms: 0.0 secs

ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8495	51	EpP		2120	55.84	-1.07							1.0
MESJ	BZ	8546	51	EpP		2120	58.46	-.980							1.0

October 22 2018 Hour: 0:20 56.3 Lat: 37.31N Lon: 8.58W Depth: 12F Agency: IGL Regional
Magnitudes: 0.4ML 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	6	264	EP		020	58.32	-.210							1.0
MORF	HE	6	264	ES		021	0.280	.090							1.0
MORF	HN	6	264	IAML		021	1.02			14	0.1				
MESJ	HN	67	28	ES		021	15.070	.130							1.0
MESJ	HN	67	28	IAML		021	15.80			2	0.1				

October 22 2018 Hour: 0:21 46.0 Lat: 37.30N Lon: 8.58W Depth: 17F Agency: IGL Regional
Magnitudes: -0.1ML 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	274	EP		021	48.98	-.020							1.0
MORF	HN	6	274	ES		021	51.180	.020							1.0
MORF	HN	6	274	IAML		021	51.70			4	0.1				

October 22 2018 Hour: 5:39 40.5 Lat: 49.25N Lon: 129.48W Depth: 11F Agency: IGL Distant
Magnitudes: 6.7Ms IGL Rms: 0.1 secs

VANCOUVER ISLAND, CANADA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8642	44	EP		551	37.610	.120							1.0
GGNV	BN	8642	44	ES		6	1	30.410	.040						1.0
GGNV	BZ	8642	44	IAMs_20		625	37.63			37323	17.2				
MESJ	BZ	8768	44	EP		551	43.850	.030							1.0
MESJ	BE	8768	44	ES		6	1	42.50	-.130						1.0
MESJ	BZ	8768	44	IAMs_20		626	29.93			38834	18.8				
MORF	BZ	8795	44	EP		551	45.270	.060							1.0
MORF	BN	8795	44	ES		6	1	45.19	-.130						1.0
MORF	BE	8795	44	IAMs_20		620	17.43			28497	22.6				

October 22 2018 Hour: 6:22 48.9 Lat: 49.31N Lon: 129.67W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

VANCOUVER ISLAND, CANADA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8773	43	EP		634	52.750	.050							1.0
MESJ	BZ	8773	43	IAmb		635	35.17			33	1.0				
MORF	BZ	8800	44	EP		634	54.05	-.050							1.0
MORF	BZ	8800	44	IAmb		635	13.48			48	1.0				

October 22 2018 Hour: 11:12 22.7 Lat: 36.53N Lon: 4.47W Depth: 74F Agency: IGL Regional
Magnitudes: 2.9ML 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	364	295	EP		1113	10.21	-.050							1.0
MESJ	HN	364	295	ES		1113	45.140	.130							1.0
MESJ	HN	364	295	IAML		1113	47.81			28	0.2				
MORF	HZ	383	284	EP		1113	12.41	-.130							1.0
MORF	HN	383	284	ES		1113	48.990	.040							1.0
MORF	HN	383	284	IAML		1113	50.12			39	0.1				

October 23 2018 Hour: 13:37 32.2 Lat: 35.27N Lon: 4.72W Depth: 24F 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
MORF	HZ	419	304	EP		1338	27.45	-0.02							1.0
MORF	HE	419	304	ES		1339	7.90	0.10							1.0
MORF	HE	419	304	IAML		1339	9.06			8	0.2				
MESJ	HN	423	313	ES		1339	8.58	-0.08							1.0
MESJ	HE	423	313	IAML		1339	10.43			5	0.1				

October 23 2018 Hour: 18:14 48.0 Lat: 37.17N Lon: 3.73W Depth: 11F 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	403	282	EP		1815	42.48	-.020							1.0

October 23 2018 Hour: 20:54 35.7 Lat: 7.21N Lon: 77.01W Depth: 36F Agency: IGL Distant
Magnitudes: 4.9Mb 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
MORF	BZ	7621	53	EP		21 5	34.37	-.020							1.0
MORF	BZ	7621	53	IAmb		21 5	35.53			15	0.9				
MESJ	BZ	7667	52	EP		21 5	36.920	.020							1.0
MESJ	BZ	7667	52	IAmb		21 5	38.13			6	0.8				

October 24 2018 Hour: 3:22 18.7 Lat: 36.47N Lon: 7.81W Depth: 1F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	119	321	ES		322	52.020	.050							1.0
MORF	HN	119	321	IAML		322	53.36			3	0.1				
MESJ	HZ	156	347	EP		322	43.570	.090							1.0
MESJ	HN	156	347	ES		323	1.43	-.140							1.0
MESJ	HN	156	347	IAML		323	2.76			1.00	0.1				

October 24 2018 Hour: 17:1 24.4 Lat: 37.33N Lon: 8.51W Depth: 15F 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	13	257	EP		17 1	27.43	-.170							1.0
MORF	HN	13	257	ES		17 1	30.030	.070							1.0
MORF	HN	13	257	IAML		17 1	30.48			99	0.2				
MESJ	HZ	62	24	EP		17 1	34.590	.110							1.0

October 25 2018 Hour: 2:42 40.5 Lat: 37.00N Lon: 13.52W 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	434	84	EP		243	36.10	-.100							1.0
MORF	HN	434	84	ES		244	17.000	.130							1.0
MORF	HN	434	84	IAML		244	17.64		1.00	0.1					
MESJ	HZ	478	77	EP		243	41.620	.050							1.0
MESJ	HE	478	77	ES		244	26.08	-.090							1.0
MESJ	HE	478	77	IAML		244	29.33		0.90	0.3					

October 25 2018 Hour: 11:4 29.1 Lat: 36.09N Lon: 10.73W Depth: 23F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	229	53	EP		11 5	1.18	-.020							1.0
MORF	HN	229	53	ES		11 5	24.610	.010							1.0
MORF	HN	229	53	IAML		11 5	25.10		3	0.1					
MESJ	HZ	296	48	EP		11 5	9.37	-.080							1.0
MESJ	HE	296	48	ES		11 5	38.960	.080							1.0
MESJ	HE	296	48	IAML		11 5	39.96		1.00	0.1					

October 25 2018 Hour: 14:56 59.3 Lat: 36.41N Lon: 8.06W Depth: 9F 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	112	332	EP		1457	17.250	.030							1.0
MESJ	HZ	159	355	EP		1457	23.720	.080							1.0
MESJ	HN	159	355	ES		1457	41.29	-.110							1.0
MESJ	HN	159	355	IAML		1457	42.62		1	0.2					

October 25 2018 Hour: 18:32 40.4 Lat: 16.56S Lon: 174.33W Depth: 187F Agency: IGL Distant
Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17308		27	EPKpdf		1852	10.990	.100							1.0
MORF	BZ17336		29	EPKpdf		1852	11.17	-.100							1.0

October 25 2018 Hour: 22:22 53.6 Lat: 37.43N Lon: 20.61E Depth: 10F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.1 secs

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2535	280	EP		2227	56.33	-.100							1.0
MESJ	BZ	2535	280	IAMB		2227	59.72		16	0.6					
MORF	BZ	2582	279	EP		2228	1.020	.100							1.0
MORF	BZ	2582	279	IAMB		2228	4.75		21	1.5					

October 25 2018 Hour: 22:54 49.5 Lat: 37.53N Lon: 20.62E Depth: 10F Agency: IGL Distant
Magnitudes: 6.4Mb IGL Rms: 0.2 secs

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2534	280	EP		2259	52.14	-.100							1.0
MESJ	BZ	2534	280	IAMB		23 0	11.43		1554	1.4					
MESJ	BN	2534	280	ES		23 4	2.35	-.370							1.0
MORF	BZ	2581	278	EP		2259	56.72	-.020							1.0
MORF	BZ	2581	278	IAMB		23 0	12.98		2641	2.2					
MORF	BE	2581	278	ES		23 4	10.010	.310							1.0
GGNV	BZ	2602	282	EP		2259	58.66	-.020							1.0
GGNV	BZ	2602	282	IAMB		23 0	17.94		1926	1.0					
GGNV	BN	2602	282	ES		23 4	12.880	.190							1.0

October 25 2018 Hour: 23: 9 20.8 Lat: 37.20N Lon: 20.65E Depth: 10F Agency: IGL Distant Rms: 0.0 secs

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2543	280	EP		2314	24.42	-.030							1.0

October 25 2018 Hour: 23:15 23.3 Lat: 1.49N Lon: 126.30E Depth: 10F Agency: IGL Distant Rms: 0.0 secs

MOLUCCA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	13651	318	EP	KPdf	2334	18.94	0.020							1.0
MORF	BZ	13715	318	EP	KPdf	2334	20.05	-.020							1.0

October 26 2018 Hour: 0:23 10.3 Lat: 37.38N Lon: 20.87E Depth: 10F Agency: IGL Distant Rms: 0.0 secs

Magnitudes: 4.5Mb IGL

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2559	280	EP		028	15.42	-.000							1.0
MESJ	BZ	2559	280	I	Amb	028	22.00			23	1.5				

October 26 2018 Hour: 0:32 53.8 Lat: 37.63N Lon: 20.30E Depth: 10F Agency: IGL Distant Rms: 0.0 secs

Magnitudes: 4.9Mb IGL

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2504	279	EP		037	53.75	-.010							1.0
MESJ	BZ	2504	279	I	Amb	037	57.83			24	1.1				
GGNV	BZ	2572	282	EP		038	0.21	0.010							1.0
GGNV	BZ	2572	282	I	Amb	038	2.89			71	1.1				

October 26 2018 Hour: 1: 6 3.9 Lat: 37.37N Lon: 20.79E Depth: 10F Agency: IGL Distant Rms: 0.0 secs

Magnitudes: 4.8Mb IGL

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2552	280	EP		111	8.39	0.050							1.0
MESJ	BZ	2552	280	I	Amb	111	14.26			13	0.9				
GGNV	BZ	2621	282	EP		111	14.74	-.050							1.0
GGNV	BZ	2621	282	I	Amb	111	15.97			72	1.2				

October 26 2018 Hour: 5:48 38.7 Lat: 37.42N Lon: 20.55E Depth: 20F Agency: IGL Distant Rms: 0.1 secs

Magnitudes: 4.8Mb IGL

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2530	280	EP		553	39.67	0.020							1.0
MESJ	BZ	2530	280	I	Amb	553	48.61			35	1.0				
MESJ	BN	2530	280	ES		557	48.63	-.140							1.0
MORF	BZ	2577	279	EP		553	44.15	0.030							1.0
MORF	BZ	2577	279	I	Amb	553	50.78			29	1.3				
MORF	BN	2577	279	ES		557	55.84	0.130							1.0
GGNV	BZ	2599	282	EP		553	46.28	0.140							1.0
GGNV	BZ	2599	282	I	Amb	553	55.17			43	0.8				
GGNV	BN	2599	282	ES		557	58.64	-.180							1.0

October 26 2018 Hour: 6:20 51.8 Lat: 37.50N Lon: 20.46E Depth: 10F Agency: IGL Distant Rms: 0.0 secs

Magnitudes: 4.2Mb IGL

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2521	280	EP		625	53.30	0.010							1.0
MESJ	BZ	2521	280	I	Amb	625	57.58			9	1.1				

October 26 2018 Hour: 6:32 14.2 Lat: 37.44N Lon: 20.81E Depth: 10F Agency: IGL Distant
Magnitudes: 4.0Mb IGL Rms: 0.0 secs
IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2552	280	EP		637	18.65	-.010							1.0
MESJ	BZ	2552	280	IAMB		637	21.05			5	1.0				

October 26 2018 Hour: 9: 5 40.4 Lat: 17.38N Lon: 147.88E Depth: 10F Agency: IGL Distant
Magnitudes: 4.0Mb 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	BZ	13427	338	EPKPDF		924	32.32	0.050							1.0
MORF	BZ	13498	338	EPKPDF		924	33.48	-.050							1.0

October 26 2018 Hour: 12: 3 24.0 Lat: 17.28S Lon: 69.94W Depth: 137F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs
SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8811	45	EP		1215	13.82	-.020							1.0
MORF	BZ	8811	45	IAMB		1215	15.00			42	0.9				
MESJ	BZ	8874	45	EP		1215	16.89	0.020							1.0
MESJ	BZ	8874	45	IAMB		1215	18.29			36	1.1				

October 26 2018 Hour: 12:41 14.6 Lat: 37.46N Lon: 20.58E Depth: 15F Agency: IGL Distant
Magnitudes: 4.5Mb IGL Rms: 0.0 secs
IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2532	280	EP		1246	16.41	0.020							1.0
MESJ	BZ	2532	280	IAMB		1246	24.61			21	1.2				
MESJ	BE	2532	280	ES		1250	26.16	-.020							1.0

October 26 2018 Hour: 16: 7 8.3 Lat: 37.45N Lon: 20.58E Depth: 10F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.0 secs
IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2532	280	EP		1612	10.89	0.030							1.0
MESJ	BZ	2532	280	IAMB		1612	13.59			19	0.9				

October 27 2018 Hour: 0: 1 34.7 Lat: 35.85N Lon: 4.80W Depth: 8F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	376	307	EP		0	2	26.08	-.010						1.0
MESJ	HN	376	307	ES		0	3	3.75	0.140						1.0
MESJ	HE	376	307	IAML		0	3	5.60			1	0.1			
MORF	HZ	381	296	EP		0	2	26.68	0.030						1.0
MORF	HE	381	296	ES		0	3	4.42	-.170						1.0
MORF	HN	381	296	IAML		0	3	5.47		0.80	0.2				

October 27 2018 Hour: 0:13 2.9 Lat: 36.14N Lon: 7.61W 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	159	325	EP		013	26.32	-.130							1.0
MORF	HN	159	325	ES		013	43.82	0.190							1.0
MORF	HE	159	325	IAML		013	47.71			437	0.3				
MESJ	HZ	196	344	EP		013	31.11	0.100							1.0
MESJ	HE	196	344	ES		013	51.36	-.160							1.0
MESJ	HN	196	344	IAML		014	1.70			65	0.2				

October 27 2018 Hour: 5:28 46.9 Lat: 37.48N Lon: 20.65E Depth: 10F Agency: IGL Distant
Magnitudes: 4.5Mb IGL Rms: 0.0 secs

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2538	280	EP		533	49.980	.030							1.0
MESJ	BZ	2538	280	IAMB		533	51.54			14	0.8				

October 27 2018 Hour: 5:35 45.8 Lat: 36.85N Lon: 4.12W Depth: 73F Agency: IGL Regional
Magnitudes: 1.7ML 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	380	288	EP		536	35.410	.040							1.0
MESJ	HN	380	288	ES		537	11.54	-.010							1.0
MESJ	HN	380	288	IAML		537	13.12			2	0.2				
MORF	HZ	407	279	EP		536	38.51	-.030							1.0

October 27 2018 Hour: 11:17 46.7 Lat: 36.40N Lon: 9.84W Depth: 35F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	146	46	EP		1118	7.610	.010							1.0
MORF	HN	146	46	ES		1118	22.970	.100							1.0
MORF	HN	146	46	IAML		1118	23.63			25	0.1				
MESJ	HZ	215	42	EP		1118	16.01	-.150							1.0
MESJ	HN	215	42	ES		1118	37.690	.020							1.0
MESJ	HN	215	42	IAML		1118	39.31			4	0.1				

October 27 2018 Hour: 13:36 18.3 Lat: 36.20N Lon: 8.23W Depth: 28F Agency: IGL Regional
Magnitudes: 2.8ML 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	128	343	EP		1336	36.98	-.210							1.0
MORF	HN	128	343	ES		1336	51.040	.050							1.0
MORF	HE	128	343	IAML		1336	51.69			217	0.2				
MESJ	HZ	182	0	EP		1336	43.940	.110							1.0
MESJ	HE	182	0	ES		1337	2.550	.070							1.0
MESJ	HE	182	0	IAML		1337	3.14			70	0.2				

October 28 2018 Hour: 3: 5 10.5 Lat: 37.30N Lon: 16.26W Depth: 17F Agency: IGL Regional
Magnitudes: 2.7ML 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	674	88	EP		3 6	37.25	-.040							1.0
MESJ	HN	713	83	ES		3 7	48.510	.040							1.0
MESJ	HN	713	83	IAML		3 7	52.09			7	0.2				

October 28 2018 Hour: 17:53 35.7 Lat: 37.22N Lon: 14.96W Depth: 31F Agency: IGL Regional
Magnitudes: 3.8ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	559	87	EP		1754	46.810	.180							1.0
MORF	HN	559	87	ES		1755	38.12	-.320							1.0
MORF	HN	559	87	IAML		1755	41.05			195	0.1				
MESJ	HZ	600	81	EP		1754	51.540	.080							1.0
MESJ	HE	600	81	ES		1755	46.870	.070							1.0
MESJ	HN	600	81	IAML		1755	51.35			73	0.3				

October 28 2018 Hour: 19: 9 44.5 Lat: 36.08N Lon: 10.52W Depth: 30F 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	215	50	EP		1910	14.190	.090							1.0
MORF	HN	215	50	ES		1910	35.750	.060							1.0
MORF	HN	215	50	IAML		1910	36.25		12	0.1					
MESJ	HZ	283	46	EP		1910	22.39	-.100							1.0
MESJ	HN	283	46	ES		1910	50.14	-.060							1.0
MESJ	HN	283	46	IAML		1910	51.27		3	0.1					

October 28 2018 Hour: 19:22 44.3 Lat: 38.18N Lon: 7.95W Depth: 0 Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NW CUBA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	45	212	EP		1922	51.610	.150							1.0
MESJ	HN	45	212	ES		1922	56.57	-.150							1.0
MESJ	HN	45	212	IAML		1922	57.20		7	0.1					

October 28 2018 Hour: 22:23 54.0 Lat: 12.95N Lon: 90.38W Depth: 25F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

OFFSHORE EL SALVADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8373	53	EP		2235	34.810	.060							1.0
GGNV	BZ	8373	53	IAMs_20		23 1	6.88		10722	27.4					
MORF	BZ	8431	55	EP		2235	37.77	-.040							1.0
MORF	BN	8431	55	ES		2245	18.880	.040							1.0
MORF	BZ	8431	55	IAMs_20		23 0	3.35		12558	38.3					
MESJ	BZ	8463	54	EP		2235	39.450	.030							1.0
MESJ	BN	8463	54	ES		2245	21.85	-.090							1.0
MESJ	BZ	8463	54	IAMs_20		2312	20.92		8643	19.4					

October 29 2018 Hour: 6:54 23.3 Lat: 57.40S Lon: 66.41W Depth: 10F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.1 secs

DRAKE PASSAGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ11781	45	EPdif			7 8	35.550	.100							1.0
MORF	BZ11781	45	IAMs_20			8 3	8.79		5058	17.6					
MESJ	BZ11851	45	EPdif			7 8	38.11	-.100							1.0
MESJ	BZ11851	45	IAMs_20			759	6.06		4541	17.8					

October 29 2018 Hour: 10:18 38.6 Lat: 36.91N Lon: 8.17W Depth: 24F 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	61	316	EP		1018	48.74	-.090							1.0
MORF	HE	61	316	ES		1018	56.390	.090							1.0
MORF	HN	61	316	IAML		1018	57.80		14	0.2					

October 30 2018 Hour: 2:13 39.1 Lat: 39.05S Lon: 174.98E Depth: 227F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

NORTH ISLAND OF NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ19638	120	EPKPdf			233	21.690	.110							1.0
MORF	BZ19638	120	IAMs_20			319	59.79		2115	14.7					
GGNV	BZ19651	95	EPKPdf			233	21.47	-.050							1.0
GGNV	BZ19651	95	EPP			238	58.74	-.190							1.0
GGNV	BE19651	95	ESS			3 0	11.59	-.090							1.0
GGNV	BZ19651	95	IAMs_20			317	47.10		3203	11.8					
MESJ	BZ19701	115	EPKPdf			233	21.780	.150							1.0
MESJ	BZ19701	115	EPP			239	1.090	.010							1.0
MESJ	BE19701	115	ESS			3 0	15.990	.040							1.0
MESJ	BZ19701	115	IAMs_20			314	53.43		2501	22.0					

October 30 2018 Hour: 2:59 56.6 Lat: 37.52N Lon: 20.43E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.0 secs

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2518	280	EP		3 4	57.840	0.010							1.0
MESJ	BZ	2518	280	IAMB		3 5	4.17			185	1.0				

October 30 2018 Hour: 6:31 41.7 Lat: 36.90N Lon: 8.52W Depth: 15F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	46	345	EP		631	49.48	-.020							1.0
MORF	HN	46	345	ES		631	55.230	0.060							1.0
MORF	HN	46	345	IAML		631	56.36			42	0.2				
MESJ	HN	108	14	ES		632	11.08	-.040							1.0
MESJ	HN	108	14	IAML		632	12.89			11	0.1				

October 30 2018 Hour: 15:12 1.1 Lat: 37.50N Lon: 20.47E Depth: 14F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.2 secs

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2522	280	EP		1517	1.08	-1.00							1.0
MESJ	BZ	2522	280	IAMB		1517	8.08			43	0.7				
MESJ	BN	2522	280	ES		1521	10.59	-.860							1.0
MORF	BZ	2568	278	EP		1517	5.31	-1.27							1.0
MORF	BZ	2568	278	IAMB		1517	7.56			92	1.4				
MORF	BN	2568	278	ES		1521	16.90	-1.53							1.0
GGNV	BZ	2590	282	EP		1517	7.46	-1.10							1.0
GGNV	BZ	2590	282	IAMB		1517	11.15			155	0.5				
GGNV	BN	2590	282	ES		1521	20.63	-.840							1.0

October 31 2018 Hour: 4:29 41.7 Lat: 38.68N Lon: 8.45W Depth: 0 Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

E 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		429	57.180	0.040							1.0
MESJ	HN	95	168	ES		430	8.23	-.150							1.0
MESJ	HN	95	168	IAML		430	9.95			9	0.1				
MORF	HZ	154	187	EP		430	6.650	0.110							1.0