

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

September to October

2020

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STATIONS USED

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

Lisboa (IGIDL)
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Marmelete (Picos)
MORF

Latitude	37.3043N
Longitude	8.6527W
Height	560m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

September 1 2020 Hour: 4:9 28.9 Lat: 28.01S Lon: 71.24W Depth: 23F Agency: IGL Distant
Magnitudes: 7.0Ms 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	9739	45	EP		422	15.040	.030							1.0
MORF	BZ	9739	45	EPP		425	39.74-	.050							1.0
MORF	BZ	9739	45	IAMs_20		5 2	19.68		59618	15.6					
GGNV	BZ	9802	44	EP		422	17.650	.060							1.0
GGNV	BZ	9802	44	EPP		425	44.310	.030							1.0
GGNV	BZ	9802	44	IAMs_20		5 1	22.67		55949	23.3					
MESJ	BZ	9806	45	EP		422	17.76-	.030							1.0
MESJ	BZ	9806	45	EPP		425	44.55-	.020							1.0
MESJ	BE	9806	45	ESKSac		432	44.26-	.010							1.0
MESJ	BZ	9806	45	IAMs_20		459	42.42		55329	19.0					

September 1 2020 Hour: 4:30 2.0 Lat: 28.04S Lon: 71.31W Depth: 17F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.0 secs

OFFSHORE ATACAMA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9746	45	EP		442	49.380	.000							1.0
MORF	BZ	9746	45	IAMB		442	53.22		120	1.5					
MESJ	BZ	9813	45	EP		442	52.16-	.000							1.0
MESJ	BZ	9813	45	IAMB		442	56.89		288	1.8					

September 1 2020 Hour: 5:29 39.0 Lat: 27.97S Lon: 71.34W Depth: 16F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

OFFSHORE ATACAMA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9743	45	EP		542	26.35-	.010							1.0
MORF	BZ	9743	45	IAMB		542	27.64		15	1.3					
MESJ	BZ	9810	45	EP		542	29.160	.010							1.0
MESJ	BZ	9810	45	IAMB		542	31.37		22	1.1					

September 1 2020 Hour: 7:1 26.3 Lat: 27.97S Lon: 71.42W Depth: 21F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

OFFSHORE ATACAMA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9815	45	EP		714	15.920	.020							1.0
MESJ	BZ	9815	45	IAMB		714	19.39		13	0.9					

September 1 2020 Hour: 10:31 51.1 Lat: 27.89S Lon: 71.48W Depth: 12F Agency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.1 secs

OFFSHORE ATACAMA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9747	45	EP		1044	39.470	.100							1.0
MORF	BZ	9747	45	IAMB		1044	53.51		271	2.3					
MESJ	BZ	9813	45	EP		1044	42.220	.070							1.0
MESJ	BZ	9813	45	IAMB		1044	45.36		105	2.0					
MESJ	BE	9813	45	ESKSac		1055	9.88-	.170							1.0

September 1 2020 Hour: 19:20 10.9 Lat: 36.09N Lon: 8.48W Depth: 14F 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	136	354	EP		1920	31.59-	.200							1.0
MESJ	HZ	196	7	EP		1920	39.370	.170							1.0
MESJ	HN	196	7	ES		1920	59.940	.050							1.0
MESJ	HE	196	7	IAML		1921	1.07		0.80	0.1					

September 1 2020 Hour: 21: 9 18.1 Lat: 27.93S Lon: 71.39W Depth: 14F Agency: IGL Distant
Magnitudes: 6.5Ms IGL 6.6MS IGL Rms: 0.1 secs

OFFSHORE ATACAMA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9743	45	EP		2122	5.72	-.130							1.0
MORF	BE	9743	45	ESKSac		2132	32.54	-.140							1.0
MORF	BZ	9743	45	IVMs_BB	22	3	49.34			7789	17.8				
GGNV	BZ	9806	44	EP		2122	8.40	-.010							1.0
GGNV	BZ	9806	44	EPP		2125	35.170	.060							1.0
GGNV	BN	9806	44	ESKSac		2132	36.060	.080							1.0
GGNV	BZ	9806	44	IAMs_20	22	1	36.49			19871	20.2				
MESJ	BZ	9810	45	EP		2122	8.720	.090							1.0
MESJ	BZ	9810	45	EPP		2125	35.36	-.060							1.0
MESJ	BE	9810	45	ESKSac		2132	36.330	.090							1.0
MESJ	BZ	9810	45	IAMs_20	2159		33.16			21664	20.0				

September 2 2020 Hour: 21: 9 23.5 Lat: 6.09N Lon: 79.97W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

SOUTH OF PANAMA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7957	53	EP		2120	44.630	.000							1.0
MORF	BZ	7957	53	IAMB		2120	46.92			27	1.2				

September 2 2020 Hour: 22:24 18.3 Lat: 36.68N Lon: 11.12W Depth: 36F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	230	72	EP		2224	49.870	.190							1.0
MORF	HN	230	72	ES		2225	12.53	-.070							1.0
MORF	HN	230	72	IAML		2225	14.89			12	0.3				
MESJ	HN	288	63	ES		2225	24.73	-.130							1.0
MESJ	HN	288	63	IAML		2225	26.71			0.80	0.1				

September 2 2020 Hour: 23:53 18.3 Lat: 37.05N Lon: 8.38W Depth: 29F 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	37	319	EP		2353	25.620	.010							1.0
MORF	HE	37	319	ES		2353	30.91	-.010							1.0
MORF	HN	37	319	IAML		2353	31.70			8	0.1				

September 3 2020 Hour: 4:35 33.5 Lat: 37.33N Lon: 8.49W Depth: 6F 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	15	259	EP		435	35.94	-.160							1.0
MORF	HN	15	259	ES		435	38.050	.050							1.0
MORF	HE	15	259	IAML		435	38.64			52	0.1				
MESJ	HZ	61	23	EP		435	43.570	.110							1.0

September 3 2020 Hour: 7:41 54.2 Lat: 38.98N Lon: 12.56W Depth: 39F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	390	117	EP		742	45.07	-.100							1.0
MORF	HN	390	117	ES		743	22.480	.100							1.0
MORF	HE	390	117	IAML		743	25.05			10	0.2				

September 3 2020 Hour: 10:13 22.7 Lat: 36.45N Lon: 7.67W Depth: 19F 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
MESJ	HZ	162	343	EP		1013	46.32	-.070							1.0
MESJ	HE	162	343	ES		1014	3.770	.070							1.0
MESJ	HN	162	343	IAML		1014	5.02			5	0.1				

September 3 2020 Hour: 15:59 38.1 Lat: 36.47N Lon: 7.83W Depth: 21F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	156	347	EP		16 0	0.980	.050							1.0
MESJ	HN	156	347	ES		16 0	17.53	-.050							1.0
MESJ	HN	156	347	IAML		16 0	19.01			5	0.1				

September 4 2020 Hour: 5:43 9.6 Lat: 37.36N Lon: 9.09W Depth: 30F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	39	99	EP		543	17.320	.130							1.0
MORF	HN	39	99	ES		543	22.71	-.030							1.0
MORF	HN	39	99	IAML		543	23.51			26	0.2				
MESJ	HZ	94	55	EP		543	23.90	-.110							1.0
MESJ	HE	94	55	ES		543	34.550	.010							1.0
MESJ	HN	94	55	IAML		543	35.35			0.80	0.2				

September 4 2020 Hour: 14:30 27.0 Lat: 37.31N Lon: 8.82W Depth: 26F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

SW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	92	EP		1430	31.67	-.010							1.0
MORF	HN	15	92	ES		1430	35.11	-.010							1.0
MORF	HE	15	92	IAML		1430	35.36			210	0.2				
MESJ	HZ	79	42	EP		1430	39.64	-.070							1.0
MESJ	HN	79	42	ES		1430	49.090	.080							1.0
MESJ	HN	79	42	IAML		1430	49.69			72	0.2				

September 4 2020 Hour: 17:45 20.9 Lat: 8.34N Lon: 82.98W Depth: 9F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.1 secs

PANAMA-COSTA RICA BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8039	52	EP		1756	46.550	.020							1.0
GGNV	BZ	8039	52	IAMs_20		1820	39.71			3084	38.6				
MORF	BZ	8074	54	EP		1756	48.35	-.140							1.0
MORF	BE	8074	54	ES		18 6	14.150	.150							1.0
MORF	BZ	8074	54	IAMs_20		1823	0.55			1721	12.6				
MESJ	BZ	8115	53	EP		1756	50.59	-.040							1.0
MESJ	BE	8115	53	ES		18 6	18.130	.020							1.0
MESJ	BZ	8115	53	IAMs_20		1821	10.30			1465	22.0				

September 4 2020 Hour: 20:7 44.6 Lat: 36.54N Lon: 4.54W Depth: 60F Agency: IGL Regional
Magnitudes: 2.8ML 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	357	295	EP		20 8	31.19	-.170							1.0
MESJ	HN	357	295	ES		20 9	5.45	-.020							1.0
MESJ	HN	357	295	IAML		20 9	8.25			29	0.2				
MORF	HZ	376	284	EP		20 8	33.900	.190							1.0

September 4 2020 Hour: 20:55 39.1 Lat: 36.34N Lon: 8.12W Depth: 32F 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	117	336	EP		2055	56.34	-.090							1.0
MORF	HN	117	336	ES		2056	9.100	.020							1.0
MORF	HE	117	336	IAML		2056	9.92		131	0.2					
MESJ	HZ	167	357	EP		2056	2.570	.020							1.0
MESJ	HE	167	357	ES		2056	19.730	.060							1.0
MESJ	HN	167	357	IAML		2056	21.13		44	0.2					

September 5 2020 Hour: 1:14 5.4 Lat: 37.00N Lon: 8.13W Depth: 17F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	57	306	EP		1 1	54.950	.080							1.0
MORF	HN	57	306	ES		1 2	1.74	-.040							1.0
MORF	HN	57	306	IAML		1 2	3.39		29	0.2					
MESJ	HZ	94	355	EP		1 2	0.25	-.030							1.0
MESJ	HE	94	355	ES		1 2	11.12	-.020							1.0
MESJ	HN	94	355	IAML		1 2	13.27		12	0.2					

September 5 2020 Hour: 1:6 1.7 Lat: 36.93N Lon: 8.60W Depth: 24F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	42	354	EP		1 6	9.28	-.010							1.0
MORF	HE	42	354	ES		1 6	14.880	.070							1.0
MORF	HN	42	354	IAML		1 6	15.44		5	0.2					
MESJ	HZ	106	18	EP		1 6	18.09	-.080							1.0
MESJ	HN	106	18	ES		1 6	30.180	.020							1.0
MESJ	HN	106	18	IAML		1 6	32.22		0.90	0.1					

September 5 2020 Hour: 20:58 17.0 Lat: 37.15N Lon: 8.61W Depth: 18F Agency: IGL Regional
Magnitudes: 0.7ML 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	18	348	EP		2058	20.94	-.080							1.0
MORF	HN	18	348	ES		2058	23.92	-.050							1.0
MORF	HN	18	348	IAML		2058	24.62		8	0.1					
MESJ	HZ	84	24	EP		2058	30.550	.120							1.0
MESJ	HN	84	24	ES		2058	40.270	.020							1.0
MESJ	HN	84	24	IAML		2058	41.85		3	0.1					

September 6 2020 Hour: 0:21 10.4 Lat: 1.68N Lon: 126.59E Depth: 27F 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	BZ13657	318	EPK	pdf		040	3.440	.040							1.0
MESJ	BZ13657	318	EPP			041	41.180	.050							1.0
MORF	BZ13721	318	EPK	pdf		040	4.51	-.040							1.0
MORF	BZ13721	318	EPP			041	45.04	-.050							1.0

September 6 2020 Hour: 1:16 59.0 Lat: 30.34S Lon: 71.56W Depth: 31F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.1 secs

COQUIMBO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9942	45	EP		129	52.49	-.020							1.0
MORF	BZ	9942	45	IAmb		129	56.80		523	2.5					
MORF	BE	9942	45	ESK	Sac	140	19.860	.100							1.0
GGNV	BZ10009	44	EP			129	55.16	-.040							1.0
GGNV	BZ10009	44	IAmb			129	59.54		137	1.3					
MESJ	BZ10009	45	EP			129	55.22	-.050							1.0

MESJ BZ10009 45 IAmb 130 0.37 100 1.6
 MESJ BE10009 45 ESKSac 140 23.240.000 1.0

**September 6 2020 Hour: 2:59 15.6 Lat: 17.15S Lon: 167.58E Depth: 8F Agency: IGL Distant
 Magnitudes: 6.3Ms IGL Rms: 0.0 secs**

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17620	353		EPKPdf		319	12.64	-.040							1.0
GGNV	BZ17620	353		IAMs_20		432	23.40		3293	12.5					1.0
MESJ	BZ17702	351		EPKPdf		319	13.59	-.000							1.0
MESJ	BZ17702	351		IAMs_20		435	27.26		4464	26.1					1.0
MORF	BZ17767	351		EPKPdf		319	14.38	0.040							1.0
MORF	BZ17767	351		IAMs_20		438	49.01		2942	15.8					1.0

**September 6 2020 Hour: 6:38 34.7 Lat: 47.83N Lon: 27.54W Depth: 10F Agency: IGL Distant
 Magnitudes: 5.4Mb IGL Rms: 0.0 secs**

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 1921	118		EP		642	36.21	0.020							1.0
MESJ	BZ 1921	118		IAMB		642	38.33		530	2.2					1.0
MORF	BZ 1933	120		EP		642	37.52	-.020							1.0
MORF	BZ 1933	120		IAMB		642	40.87		647	1.9					1.0

**September 6 2020 Hour: 6:51 18.8 Lat: 7.69N Lon: 37.22W Depth: 10F Agency: IGL Distant
 Magnitudes: 6.7Ms 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 4370	37		EP		658	47.63	-.080							1.0
MORF	BE 4370	37		ES		7 4	49.50	0.100							1.0
MORF	BZ 4370	37		IAMs_20		7 9	46.87		131000	24.5					1.0
MESJ	BZ 4438	37		EP		658	52.65	-.100							1.0
MESJ	BE 4438	37		ES		7 4	58.62	0.140							1.0
MESJ	BZ 4438	37		IAMs_20		710	17.66		130000	25.4					1.0
GGNV	BZ 4443	35		EP		658	53.04	-.100							1.0
GGNV	BE 4443	35		ES		7 4	59.23	0.040							1.0
GGNV	BZ 4443	35		IAMs_20		710	3.33		125000	26.7					1.0

**September 6 2020 Hour: 11:56 27.8 Lat: 35.56N Lon: 5.40W Depth: 52F Agency: IGL Regional
 Magnitudes: 4.2ML 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 350	305		EP		1157	13.38	-.220							1.0
MORF	HN 350	305		ES		1157	47.17	0.100							1.0
MORF	HN 350	305		IAML		1157	49.18		775	0.2					1.0
MESJ	HZ 357	316		EP		1157	14.38	-.040							1.0
MESJ	HN 357	316		ES		1157	48.65	0.170							1.0
MESJ	HN 357	316		IAML		1157	50.47		752	0.2					1.0

**September 6 2020 Hour: 14:55 18.8 Lat: 20.70S Lon: 173.57W Depth: 10F Agency: IGL Distant
 Rms: 0.0 secs**

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17661	33		EPKPdf		1515	16.15	0.050							1.0
MORF	BZ17680	35		EPKPdf		1515	16.31	-.050							1.0

**September 6 2020 Hour: 15:23 42.5 Lat: 6.40N Lon: 125.71E Depth: 100F Agency: IGL Distant
 Magnitudes: 5.8Ms IGL Rms: 0.1 secs**

MINDANAO, PHILIPPINES Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13199	320		EPKPdf		1542	18.52	0.110							1.0
MESJ	BZ13199	320		EPP		1543	36.92	-.060							1.0
MESJ	BZ13199	320		IAMs_20		1625	15.54		1580	17.2					1.0
GGNV	BZ13208	321		EPKPdf		1542	18.70	0.170							1.0
GGNV	BZ13208	321		EPP		1543	37.52	0.040							1.0

GGNV BZ13208	321	IAMs_20	1634	40.36		4062	29.1												
MORF BZ13265	319	EPKp \bar{d} f	1542	19.54	-.060														1.0
MORF BZ13265	319	EPP	1543	40.91	-.200														1.0
MORF BZ13265	319	IAMs_20	1627	25.64		3705	36.6												

September 6 2020 Hour: 19:50 14.7 Lat: 36.37N Lon: 3.26W Depth: 7F Agency: IGL Regional Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	470	292	EP		1951	17.66	-.100							1.0
MORF HZ	492	284	EP		1951	20.55	0.100							1.0

September 6 2020 Hour: 21:34 26.3 Lat: 36.97N Lon: 55.16E Depth: 10F Agency: IGL Distant Rms: 0.0 secs

NORTHERN IRAN Net: NEIC

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ	5500	291	EP		2143	16.66	-.010							1.0
MESJ BZ	5500	291	IAMB		2143	18.32			62	1.6				

September 6 2020 Hour: 21:54 19.9 Lat: 37.31N Lon: 8.58W Depth: 12F Agency: IGL Regional 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		2154	22.01	-.210							1.0
MORF HE	6	264	ES		2154	23.97	0.080							1.0
MORF HN	6	264	IAML		2154	24.75			77	0.1				
MESJ HZ	67	28	EP		2154	30.90	0.150							1.0
MESJ HE	67	28	ES		2154	38.62	-.010							1.0
MESJ HE	67	28	IAML		2154	40.77			2	0.1				

September 6 2020 Hour: 23:14 15.1 Lat: 37.20N Lon: 9.12W Depth: 28F Agency: IGL Regional Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	43	74	EP		2314	23.21	0.190							1.0
MESJ HZ	107	48	EP		2314	31.15	-.120							1.0
MESJ HN	107	48	ES		2314	43.01	-.080							1.0
MESJ HE	107	48	IAML		2314	44.44			1	0.2				

September 7 2020 Hour: 2:12 43.5 Lat: 36.56N Lon: 9.77W Depth: 15F Agency: IGL Regional Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	129	50	EP		213	3.62	0.080							1.0
MORF HE	129	50	ES		213	18.11	-.090							1.0
MORF HE	129	50	IAML		213	21.69			6	0.1				
MESJ HZ	198	44	EP		213	12.02	0.010							1.0

September 8 2020 Hour: 0:15 50.5 Lat: 36.63N Lon: 8.04W Depth: 22F Agency: IGL Regional Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	93	324	EP		016	5.18	0.020							1.0
MORF HE	93	324	ES		016	15.69	-.200							1.0
MORF HN	93	324	IAML		016	16.77			4	0.2				
MESJ HZ	135	353	EP		016	10.78	0.170							1.0
MESJ HN	135	353	ES		016	25.34	0.020							1.0
MESJ HN	135	353	IAML		016	27.14			5	0.2				

September 8 2020 Hour: 0:45 20.8 Lat: 4.91S Lon: 129.76E Depth:174F Agency: IGL Distant
Rms: 0.1 secs

BANDA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14432	317	EPK	pdf		1 4	8.65	-.060							1.0
MESJ	BZ14432	317	EPP			1 6	21.64	0.070							1.0
GGNV	BZ14452	318	EPP			1 6	22.66	-.050							1.0
MORF	BZ14494	316	EPK	pdf		1 4	9.90	0.080							1.0
MORF	BZ14494	316	EPP			1 6	25.24	-.040							1.0

September 8 2020 Hour: 23:27 8.7 Lat: 36.73N Lon: 6.06W Depth: 14F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	228	303	EP		2327	41.10	0.060							1.0
MORF	HZ	239	286	EP		2327	42.47	-.050							1.0
MORF	HE	239	286	ES		2328	7.20	-.010							1.0
MORF	HE	239	286	IAML		2328	8.30			16	0.1				

September 9 2020 Hour: 7:18 41.0 Lat: 4.21N Lon: 126.64E Depth: 18F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs

KEPULAUAN TALAUD, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13450	319	EPP			739	0.38	-.040							1.0
MESJ	BN13450	319	ESS			755	32.29	0.040							1.0
MESJ	BZ13450	319	IAMs_20			836	44.44			1535	24.0				

September 9 2020 Hour: 10:57 10.8 Lat: 6.22S Lon: 154.47E Depth: 43F 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	BZ16120	336	EPK			1116	42.01	0.040							1.0
MORF	BZ16190	336	EPK			1116	43.48	-.040							1.0

September 9 2020 Hour: 21: 0 30.6 Lat: 36.55N Lon: 11.46W Depth: 32F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	264	71	ES		21 1	31.94	-.140							1.0
MORF	HN	264	71	IAML		21 1	33.68			7	0.3				
MESJ	HZ	321	63	EP		21 1	13.38	0.130							1.0
MESJ	HN	321	63	ES		21 1	44.40	0.010							1.0
MESJ	HN	321	63	IAML		21 1	48.48			2	0.2				

September 9 2020 Hour: 23:52 51.8 Lat: 35.74N Lon: 9.94W Depth: 31F 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	208	33	EP		2353	19.79	0.050							1.0
MORF	HE	208	33	ES		2353	40.09	-.040							1.0
MORF	HN	208	33	IAML		2353	42.84			12	0.2				
MESJ	HZ	279	33	EP		2353	28.46	-.020							1.0

September 10 2020 Hour: 4: 4 16.0 Lat: 37.73N Lon: 4.41W Depth: 12F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	336	273	EP		4 5	1.97	0.010							1.0

September 10 2020 Hour: 13: 9 49.4 Lat: 36.72N Lon: 11.15W Depth: 31F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	232	73	EP		1310	20.22	-.020							1.0
MORF	HN	232	73	ES		1310	42.70	-.030							1.0
MORF	HE	232	73	IAML		1310	45.05			5	0.1				
MESJ	HZ	288	64	EP		1310	27.270	.050							1.0

September 10 2020 Hour: 18:16 17.4 Lat: 36.35N Lon: 8.07W Depth: 14F 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	118	334	EP		1816	35.80	-.150							1.0
MORF	HN	118	334	ES		1816	49.660	.150							1.0
MORF	HN	118	334	IAML		1816	52.56			9	0.1				

September 11 2020 Hour: 3:47 36.7 Lat: 35.78N Lon: 10.39W Depth: 23F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	230	42	EP		348	8.890	.070							1.0
MORF	HE	230	42	ES		348	32.12	-.150							1.0
MORF	HN	230	42	IAML		348	34.00			5	0.1				
MESJ	HZ	300	40	EP		348	17.490	.040							1.0
MESJ	HN	300	40	ES		348	47.250	.050							1.0
MESJ	HE	300	40	IAML		348	49.82			2	0.1				

September 11 2020 Hour: 7:35 57.3 Lat: 21.40S Lon: 69.79W Depth: 50F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.1 secs

TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9120	45	EP		748	11.97	-.010							1.0
MORF	BZ	9120	45	IAMB		748	34.51			419	1.6				
MORF	BE	9120	45	ES		758	22.65	-.060							1.0
GGNV	BZ	9174	43	EP		748	14.510	.120							1.0
GGNV	BZ	9174	43	IAMB		748	35.29			555	1.9				
GGNV	BN	9174	43	ES		758	27.41	-.040							1.0
MESJ	BZ	9185	45	EP		748	15.030	.060							1.0
MESJ	BZ	9185	45	IAMB		748	36.77			159	1.2				
MESJ	BN	9185	45	ES		758	28.52	-.060							1.0

September 11 2020 Hour: 17:20 48.6 Lat: 36.97N Lon: 8.99W Depth: 32F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	48	39	EP		1720	57.410	.050							1.0
MORF	HE	48	39	ES		1721	3.67	-.050							1.0
MORF	HN	48	39	IAML		1721	4.14			8	0.2				

September 11 2020 Hour: 23: 0 27.1 Lat: 36.48N Lon: 9.86W Depth: 19F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	141	49	EP		23 0	48.300	.030							1.0
MORF	HE	141	49	ES		23 1	3.72	-.030							1.0
MORF	HN	141	49	IAML		23 1	5.18			5	0.1				
MESJ	HZ	210	44	EP		23 0	56.760	.020							1.0
MESJ	HE	210	44	ES		23 1	18.39	-.020							1.0
MESJ	HN	210	44	IAML		23 1	18.99			0.60	0.1				

September 12 2020 Hour: 2:44 10.1 Lat: 38.76N Lon: 142.25E Depth: 32F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.1 secs

NEAR EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10956	338	EPdif			257	45.22	-.080							1.0
GGNV	BZ10956	338	EPP			3	1	46.110.110							1.0
GGNV	BZ10956	338	IAMs_20			345	53.38		10371	22.3					
MESJ	BZ11015	337	EPdif			257	47.61	-.060							1.0
MESJ	BZ11015	337	EPP			3	1	50.080.020							1.0
MESJ	BN11015	337	ESS			316	6.170.070								1.0
MESJ	BZ11015	337	IAMs_20			344	3.11		15175	31.6					
MORF	BZ11084	337	EPdif			257	50.38	-.120							1.0
MORF	BZ11084	337	EPP			3	1	54.920.040							1.0
MORF	BN11084	337	IAMs_20			344	15.87		15796	41.6					

September 12 2020 Hour: 2:37 29.7 Lat: 17.88S Lon: 178.05W Depth: 557F 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	BZ17606	22	EPKPdf			256	22.680.040								1.0
MORF	BZ17641	24	EPKPdf			256	23.03	-.040							1.0

September 12 2020 Hour: 8:34 27.8 Lat: 17.26S Lon: 167.69E Depth: 10F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17633	353	EPKPdf			854	24.70	-.020							1.0
GGNV	BZ17633	353	EPP			858	40.16	-.030							1.0
GGNV	BZ17633	353	IAMs_20			10	7	37.57	3023	11.9					
MESJ	BZ17715	351	EPKPdf			854	25.740.100								1.0
MESJ	BZ17715	351	IAMs_20			1010	56.66		3112	32.9					
MORF	BZ17781	352	EPKPdf			854	26.33	-.050							1.0
MORF	BZ17781	352	IAMs_20			10	7	14.51	2410	30.6					

September 12 2020 Hour: 11:59 23.9 Lat: 36.56N Lon: 4.55W Depth: 28F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	355	295	EP		12	0	10.960.000							1.0
MESJ	HE	355	295	ES		12	0	45.31	-.000						1.0
MESJ	HN	355	295	IAML		12	0	48.02		5	0.1				

September 12 2020 Hour: 20:26 20.4 Lat: 7.31S Lon: 128.46E Depth: 141F Agency: IGL Distant
Rms: 0.1 secs

KEPULAUAN BARAT DAYA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14520	314	EPKPdf			2045	13.69	-.090							1.0
MORF	BZ14580	314	EPKPdf			2045	14.960.090								1.0

September 13 2020 Hour: 17:39 30.9 Lat: 37.50N Lon: 8.77W Depth: 15F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SW ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	24	154	EP		1739	35.37	-.060							1.0
MORF	HE	24	154	ES		1739	38.69	-.070							1.0
MORF	HE	24	154	IAML		1739	39.89		18	0.1					
MESJ	HN	61	52	ES		1739	48.320.140								1.0
MESJ	HE	61	52	IAML		1739	49.15		1	0.1					

September 13 2020 Hour: 18:15 42.3 Lat: 35.97N Lon: 7.76W 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	168	332	EP		1816	6.80	-.100							1.0
MORF	HN	168	332	ES		1816	24.88	-.010							1.0
MORF	HN	168	332	IAML		1816	28.58			3	0.1				
MESJ	HZ	211	349	EP		1816	12.340	.090							1.0
MESJ	HN	211	349	ES		1816	34.160	.030							1.0
MESJ	HN	211	349	IAML		1816	35.46			3	0.1				

September 14 2020 Hour: 6:22 14.2 Lat: 36.58N Lon: 8.46W Depth: 21F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	82	348	EP		622	27.44	-.040							1.0
MORF	HE	82	348	ES		622	37.260	.090							1.0
MORF	HE	82	348	IAML		622	40.10			17	0.1				
MESJ	HZ	141	9	EP		622	35.16	-.060							1.0

September 14 2020 Hour: 11:32 30.3 Lat: 38.20N Lon: 8.92W Depth: 0 Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

NW MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	73	123	EP		1132	42.08	-.080							1.0
MESJ	HE	73	123	ES		1132	50.74	-.060							1.0
MESJ	HE	73	123	IAML		1132	52.77			12	0.2				
MORF	HZ	102	167	EP		1132	47.050	.240							1.0
MORF	HE	102	167	ES		1132	58.75	-.090							1.0
MORF	HE	102	167	IAML		1133	0.89			25	0.1				

September 14 2020 Hour: 14:52 43.4 Lat: 36.39N Lon: 8.98W Depth: 1 Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	106	16	EP		1453	0.31	-.100							1.0
MORF	HE	106	16	ES		1453	12.940	.100							1.0
MORF	HN	106	16	IAML		1453	14.69			8	0.1				

September 14 2020 Hour: 15:26 53.0 Lat: 36.88N Lon: 10.97W Depth: 30F 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	211	76	EP		1527	22.150	.070							1.0
MORF	HN	211	76	ES		1527	43.20	-.120							1.0
MORF	HE	211	76	IAML		1527	44.77			6	0.2				
MESJ	HZ	266	66	EP		1527	28.880	.060							1.0
MESJ	HE	266	66	ES		1527	54.990	.000							1.0
MESJ	HN	266	66	IAML		1527	56.49			1	0.1				

September 14 2020 Hour: 22:13 23.8 Lat: 37.11N Lon: 14.44W Depth: 34F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	514	86	EP		2214	29.970	.030							1.0
MORF	HN	514	86	ES		2215	18.17	-.080							1.0
MORF	HN	514	86	IAML		2215	20.57			3	0.2				
MESJ	HE	556	80	ES		2215	27.030	.050							1.0
MESJ	HN	556	80	IAML		2215	31.04			0.70	0.2				

September 15 2020 Hour: 3:41 28.6 Lat: 55.93N Lon: 158.45E Depth:344F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

KAMCHATKA PENINSULA, RUSSIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9455	350	EP		353	26.000	.090							1.0
GGNV	BZ	9455	350	IAMB		353	29.26			216	1.4				
GGNV	BZ	9455	350	EP		354	46.38	-.030							1.0
GGNV	BN	9455	350	ESKSac		4 3	16.780	.110							1.0
MESJ	BZ	9541	349	EP		353	29.800	.050							1.0
MESJ	BZ	9541	349	IAMB		353	32.11			28	0.9				
MESJ	BZ	9541	349	EP		354	50.32	-.060							1.0
MESJ	BN	9541	349	ESKSac		4 3	21.56	-.030							1.0
MORF	BZ	9605	350	EP		353	32.53	-.040							1.0
MORF	BZ	9605	350	IAMB		353	34.49			116	1.4				
MORF	BZ	9605	350	EP		354	53.320	.000							1.0
MORF	BN	9605	350	ESKSac		4 3	25.16	-.070							1.0

September 15 2020 Hour: 4:14 48.6 Lat: 37.01N Lon: 8.43W Depth: 15F 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	38	329	EP		414	55.19	-.010							1.0
MORF	HN	38	329	ES		414	59.99	-.000							1.0
MORF	HE	38	329	IAML		415	1.49			9	0.1				
MESJ	HN	94	11	ES		415	14.470	.010							1.0
MESJ	HN	94	11	IAML		415	16.58			2	0.1				

September 15 2020 Hour: 5:55 24.3 Lat: 37.22N Lon: 8.58W Depth: 20F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	325	EP		555	27.85	-.110							1.0
MORF	HN	11	325	ES		555	30.790	.130							1.0
MORF	HN	11	325	IAML		555	31.95			20	0.2				
MESJ	HE	76	25	ES		555	45.45	-.030							1.0
MESJ	HE	76	25	IAML		555	47.72			3	0.1				

September 15 2020 Hour: 10:19 45.1 Lat: 36.73N Lon: 7.24W Depth: 20F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	141	297	EP		1020	6.260	.040							1.0
MORF	HE	141	297	ES		1020	21.640	.030							1.0
MORF	HN	141	297	IAML		1020	22.81			16	0.1				
MESJ	HZ	151	325	EP		1020	7.23	-.170							1.0
MESJ	HN	151	325	ES		1020	23.740	.090							1.0
MESJ	HN	151	325	IAML		1020	26.29			2	0.1				

September 15 2020 Hour: 20:44 18.5 Lat: 36.72N Lon: 10.81W Depth: 28F 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	203	71	EP		2044	46.59	-.030							1.0
MORF	HN	203	71	ES		2045	7.290	.120							1.0
MORF	HE	203	71	IAML		2045	9.78			8	0.1				
MESJ	HZ	261	61	EP		2044	53.69	-.160							1.0
MESJ	HN	261	61	ES		2045	19.750	.070							1.0
MESJ	HN	261	61	IAML		2045	22.40			1	0.1				

September 15 2020 Hour: 22:35 23.9 Lat: 36.66N Lon: 8.51W Depth: 20F 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	73	350	EP		2235	35.760	.010							1.0
MORF	HE	73	350	ES		2235	44.37	-.010							1.0
MORF	HE	73	350	IAML		2235	46.32			3	0.1				

September 16 2020 Hour: 2:53 2.9 Lat: 36.77N Lon: 7.30W Depth: 6F 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	134	297	EP		253	24.14	-.070							1.0
MORF	HN	134	297	ES		253	39.860	.060							1.0
MORF	HE	134	297	IAML		253	42.16			7	0.2				
MESJ	HE	144	326	ES		253	42.210	.010							1.0
MESJ	HE	144	326	IAML		253	44.66			3	0.3				

September 16 2020 Hour: 8:44 29.7 Lat: 22.33S Lon: 171.50E Depth:119FAgency: IGL Distant
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	BZ	18308	359	EPKpdf		9 4	18.770	.090							1.0
MESJ	BZ	18308	359	EPKpab		9 5	14.55	-.040							1.0
MORF	BZ	18367	0	EPKpab		9 5	16.96	-.050							1.0

September 16 2020 Hour: 12:43 8.1 Lat: 37.01N Lon: 13.51W Depth: 73F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	433	84	EP		1244	3.74	-.110							1.0
MORF	HE	433	84	ES		1244	44.700	.110							1.0
MORF	HN	433	84	IAML		1244	47.38			2	0.3				

September 16 2020 Hour: 18: 3 23.5 Lat: 37.34N Lon: 8.52W Depth: 10F 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	12	251	EP		18 3	26.06	-.110							1.0
MORF	HE	12	251	ES		18 3	28.140	.050							1.0
MORF	HN	12	251	IAML		18 3	28.79			131	0.2				
MESJ	HZ	61	25	EP		18 3	33.640	.050							1.0

September 16 2020 Hour: 20:35 28.8 Lat: 36.84N Lon: 9.67W Depth: 19F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	104	60	EP		2035	45.340	.000							1.0
MORF	HN	104	60	ES		2035	57.540	.170							1.0
MORF	HN	104	60	IAML		2035	58.10			13	0.2				
MESJ	HZ	170	49	EP		2035	53.34	-.220							1.0
MESJ	HN	170	49	ES		2036	11.630	.040							1.0
MESJ	HN	170	49	IAML		2036	12.48			3	0.2				

September 17 2020 Hour: 1:14 1.7 Lat: 15.29N Lon: 92.25W Depth:131FAgency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs

CHIAPAS, MEXICO Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8445	55	EP		125	34.00	-.000							1.0
MORF	BZ	8445	55	IAmb		125	35.29			10	0.7				
MESJ	BZ	8474	54	EP		125	35.420	.000							1.0
MESJ	BZ	8474	54	IAmb		125	36.09			8	0.6				

September 17 2020 Hour: 1:33 16.1 Lat: 30.31S Lon: 71.59W Depth: 35F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

COQUIMBO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10009		45	EP		146	11.84	-.000							1.0
MESJ	BZ10009		45	IAMB		146	14.70			11	1.1				

September 17 2020 Hour: 3:0 20.8 Lat: 7.60N Lon: 36.97W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

CENTRAL MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4361	37	EP		3	7	48.87	-.150						1.0
MORF	BZ	4361	37	IAMB		3	8	14.36		31	1.1				
MORF	BE	4361	37	ES		313	50.320	.120							1.0
MESJ	BZ	4429	37	EP		3	7	53.96	-.110						1.0
MESJ	BZ	4429	37	IAMB		3	8	11.55		113	2.0				
MESJ	BN	4429	37	ES		313	59.430	.130							1.0

September 17 2020 Hour: 3:27 34.9 Lat: 6.22S Lon: 154.88E Depth: 65F Agency: IGL Distant
Rms: 0.0 secs

BOUNGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16138		336	EPKP		347	4.070	.010							1.0
MORF	BZ16209		336	EPKP		347	6.05	-.010							1.0

September 17 2020 Hour: 4:27 3.7 Lat: 35.23N Lon: 4.42W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	447	312	EP		428	4.630	.000							1.0
MESJ	HE	447	312	ES		428	49.10	-.000							1.0
MESJ	HN	447	312	IAML		428	53.66			3	0.3				

September 17 2020 Hour: 4:38 44.5 Lat: 37.33N Lon: 8.57W Depth: 11F Agency: IGL Regional
Magnitudes: 0.8ML 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	8	249	EP		438	46.54	-.200							1.0
MORF	HN	8	249	ES		438	48.510	.120							1.0
MORF	HN	8	249	IAML		438	49.00			75	0.2				
MESJ	HZ	64	29	EP		438	55.130	.140							1.0
MESJ	HE	64	29	ES		439	2.59	-.060							1.0
MESJ	HN	64	29	IAML		439	3.42			3	0.2				

September 17 2020 Hour: 18:17 11.0 Lat: 36.94N Lon: 7.40W Depth: 14F 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	118	290	ES		1817	43.320	.080							1.0
MORF	HE	118	290	IAML		1817	44.65			8	0.2				
MESJ	HZ	123	324	EP		1817	30.22	-.150							1.0
MESJ	HN	123	324	ES		1817	44.600	.080							1.0
MESJ	HN	123	324	IAML		1817	46.54			1	0.2				

September 17 2020 Hour: 19:52 16.0 Lat: 36.63N Lon: 7.40W Depth: 20F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	134	304	ES		1952	51.190	.160							1.0
MORF	HN	134	304	IAML		1952	52.40			12	0.1				
MESJ	HZ	153	332	EP		1952	38.44	-.050							1.0
MESJ	HN	153	332	ES		1952	54.80	-.120							1.0
MESJ	HN	153	332	IAML		1952	56.74			3	0.1				

September 17 2020 Hour: 22:59 49.8 Lat: 36.61N Lon: 9.72W Depth: 14F 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	122	51	EP		23 0	8.99	-.090							1.0
MORF	HE	122	51	ES		23 0	23.250	.130							1.0
MORF	HE	122	51	IAML		23 0	23.76		10	0.1					
MESJ	HZ	191	44	EP		23 0	17.41	-.170							1.0
MESJ	HN	191	44	ES		23 0	37.960	.130							1.0
MESJ	HN	191	44	IAML		23 0	38.48		3	0.1					

September 18 2020 Hour: 21:43 58.9 Lat: 0.92N Lon: 26.84W Depth: 10F Agency: IGL Distant
Magnitudes: 6.7Ms 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	4442	23	EP		2151	33.14	-.180							1.0
MORF	BZ	4442	23	EPP		2153	4.890	.100							1.0
MORF	BN	4442	23	ES		2157	39.420	.010							1.0
MORF	BZ	4442	23	IAMs_20	22 3	2.94			154000	34.4					
MESJ	BZ	4513	23	EP		2151	38.42	-.110							1.0
MESJ	BZ	4513	23	EPP		2153	11.800	.150							1.0
MESJ	BZ	4513	23	IAMs_20	22 3	35.34			114000	26.5					
GGNV	BZ	4560	21	EP		2151	41.87	-.100							1.0
GGNV	BZ	4560	21	EPP		2153	16.18	-.010							1.0
GGNV	BN	4560	21	ES		2157	55.140	.130							1.0
GGNV	BE	4560	21	IAMs_20	22 1	17.78			241000	29.1					

September 18 2020 Hour: 23:38 40.1 Lat: 36.92N Lon: 13.10W Depth: 31F 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	398	83	EP		2339	31.38	-.100							1.0
MORF	HE	398	83	ES		2340	9.040	.080							1.0
MORF	HE	398	83	IAML		2340	10.68		9	0.2					
MESJ	HZ	444	75	EP		2339	37.06	-.020							1.0
MESJ	HE	444	75	ES		2340	18.690	.040							1.0
MESJ	HE	444	75	IAML		2340	21.62		2	0.1					

September 19 2020 Hour: 2:11 7.1 Lat: 38.30N Lon: 7.61W Depth: 2F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

E PORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	74	227	EP		211	19.130	.050							1.0
MESJ	HN	74	227	ES		211	27.75	-.050							1.0
MESJ	HN	74	227	IAML		211	28.93		1	0.1					

September 19 2020 Hour: 4:16 37.0 Lat: 36.72N Lon: 7.49W Depth: 20F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	140	333	EP		416	57.960	.000							1.0

September 19 2020 Hour: 4:45 45.4 Lat: 36.56N Lon: 4.53W Depth: 65F 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
MORF	HZ	376	284	EP		446	34.510	.030							1.0
MORF	HN	376	284	ES		447	10.30	-.030							1.0
MORF	HN	376	284	IAML		447	13.87		5	0.2					

September 19 2020 Hour: 7:43 44.8 Lat: 38.40N Lon: 8.18W Depth: 7F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NW VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	62	183	EP		743	54.980	.080							1.0
MESJ	HN	62	183	ES		744	2.21	-.080							1.0
MESJ	HN	62	183	IAML		744	3.56			2	0.1				

September 19 2020 Hour: 20: 3 34.4 Lat: 36.56N Lon: 9.77W 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	129	50	EP		20 3	54.41	-.050							1.0
MORF	HN	129	50	ES		20 4	9.160	.040							1.0
MORF	HN	129	50	IAML		20 4	10.38			3	0.1				
MESJ	HZ	198	44	EP		20 4	2.78	-.150							1.0
MESJ	HE	198	44	ES		20 4	23.910	.150							1.0
MESJ	HN	198	44	IAML		20 4	25.85			1	0.2				

September 20 2020 Hour: 7:46 8.6 Lat: 36.23N Lon: 8.58W Depth: 6F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	119	357	EP		746	27.730	.060							1.0
MORF	HN	119	357	ES		746	41.700	.070							1.0
MORF	HE	119	357	IAML		746	42.92			5	0.1				
MESJ	HZ	181	10	EP		746	35.83	-.120							1.0
MESJ	HN	181	10	ES		746	55.93	-.010							1.0
MESJ	HN	181	10	IAML		746	56.95			1	0.0				

September 20 2020 Hour: 8:45 1.8 Lat: 37.19N Lon: 9.15W Depth: 30F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	46	74	EP		845	9.99	-.190							1.0
MORF	HE	46	74	ES		845	16.560	.230							1.0
MORF	HN	46	74	IAML		845	16.93			9	0.3				
MESJ	HZ	109	48	EP		845	18.00	-.160							1.0
MESJ	HE	109	48	ES		845	30.250	.120							1.0
MESJ	HE	109	48	IAML		845	31.48			0.90	0.1				

September 20 2020 Hour: 11: 1 51.3 Lat: 34.59N Lon: 9.56W Depth: 20F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	312	15	EP		11 2	33.58	-.110							1.0
MORF	HN	312	15	ES		11 3	4.40	-.200							1.0
MORF	HN	312	15	IAML		11 3	8.97			15	0.2				
MESJ	HZ	380	18	EP		11 2	42.310	.200							1.0
MESJ	HN	380	18	ES		11 3	19.300	.130							1.0
MESJ	HN	380	18	IAML		11 3	21.37			4	0.2				

September 20 2020 Hour: 11:26 32.1 Lat: 38.84N Lon: 8.77W Depth: 12F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

SE BENAVENTE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	121	156	EP		1126	50.97	-.100							1.0
MESJ	HN	121	156	ES		1127	5.050	.100							1.0
MESJ	HN	121	156	IAML		1127	6.29			2	0.2				

September 20 2020 Hour: 11:57 17.4 Lat: 36.57N Lon: 7.21W Depth: 17F 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	HN	152	303	ES		1157	56.64	-.110							1.0
MORF	HE	152	303	IAML		1157	58.15			4	0.1				
MESJ	HZ	167	328	EP		1157	41.93	-.040							1.0
MESJ	HE	167	328	ES		1158	0.030	.150							1.0
MESJ	HE	167	328	IAML		1158	1.05			0.70	0.1				

September 20 2020 Hour: 16:55 3.0 Lat: 6.61S Lon: 153.84E Depth: 10F 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	BZ16130	335	EPK	pdf		1714	39.750	.010							1.0

September 20 2020 Hour: 19:59 25.5 Lat: 37.11N Lon: 7.84W Depth: 13F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

SE S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	75	287	EP		1959	37.55	-.090							1.0
MORF	HN	75	287	ES		1959	46.520	.040							1.0
MORF	HE	75	287	IAML		1959	48.96			26	0.2				
MESJ	HZ	88	338	EP		1959	39.33	-.170							1.0
MESJ	HN	88	338	ES		1959	49.910	.220							1.0
MESJ	HN	88	338	IAML		1959	52.08			10	0.1				

September 20 2020 Hour: 20:34 28.9 Lat: 36.73N Lon: 9.78W Depth: 17F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	119	57	EP		2034	47.510	.020							1.0
MORF	HE	119	57	ES		2035	1.05	-.010							1.0
MORF	HE	119	57	IAML		2035	2.20			8	0.2				
MESJ	HZ	185	48	EP		2034	55.56	-.140							1.0
MESJ	HE	185	48	ES		2035	15.400	.130							1.0
MESJ	HE	185	48	IAML		2035	17.47			0.80	0.1				

September 21 2020 Hour: 13:20 12.1 Lat: 36.80N Lon: 10.86W Depth: 32F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	204	73	EP		1320	40.200	.000							1.0
MORF	HE	204	73	ES		1321	0.74	-.000							1.0
MORF	HE	204	73	IAML		1321	2.17			3	0.1				

September 21 2020 Hour: 18:4 57.8 Lat: 51.85N Lon: 103.48E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.0 secs

LAKE BAYKAL REGION, RUSSIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8075	310	EP		1816	25.76	-.000							1.0
MESJ	BN	8075	310	IAMS_20		1845	43.34			4709	21.8				

September 22 2020 Hour: 2:59 19.8 Lat: 37.46N Lon: 9.18W Depth: 27F Agency: IGL Regional
Magnitudes: 0.9ML 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	50	110	EP		259	28.48	-.030							1.0
MORF	HN	50	110	ES		259	34.930	.030							1.0
MORF	HE	50	110	IAML		259	36.66			7	0.1				

September 22 2020 Hour: 17:48 12.4 Lat: 36.56N Lon: 8.45W Depth: 19F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	85	348	EP		1748	26.00	-.020							1.0
MORF	HE	85	348	ES		1748	35.83	-.100							1.0
MORF	HE	85	348	IAML		1748	38.56		11	0.1					
MESJ	HZ	143	8	EP		1748	33.970	.090							1.0
MESJ	HE	143	8	ES		1748	49.570	.030							1.0
MESJ	HN	143	8	IAML		1748	52.29		4	0.1					

September 22 2020 Hour: 21: 3 32.9 Lat: 35.22N Lon: 5.93W Depth: 35F Agency: IGL Regional
Magnitudes: 2.8ML 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	337	314	EP		21 4	17.33	-.180							1.0
MORF	HN	337	314	ES		21 4	50.07	-.020							1.0
MORF	HN	337	314	IAML		21 4	51.90		33	0.2					
MESJ	HZ	356	325	EP		21 4	20.040	.220							1.0
MESJ	HN	356	325	ES		21 4	54.06	-.020							1.0
MESJ	HN	356	325	IAML		21 4	56.78		26	0.5					

September 22 2020 Hour: 22:13 55.6 Lat: 35.22N Lon: 5.95W Depth: 33F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.2 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	336	314	EP		2214	39.84	-.280							1.0
MORF	HN	336	314	ES		2215	12.55	-.030							1.0
MORF	HN	336	314	IAML		2215	13.57		6	0.2					
MESJ	HZ	355	326	EP		2214	42.730	.240							1.0
MESJ	HN	355	326	ES		2215	16.760	.080							1.0
MESJ	HN	355	326	IAML		2215	19.24		6	0.1					

September 22 2020 Hour: 22:35 16.4 Lat: 36.74N Lon: 9.71W Depth: 18F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	56	EP		2235	34.11	-.030							1.0
MORF	HE	113	56	ES		2235	47.160	.030							1.0
MORF	HN	113	56	IAML		2235	47.60		3	0.1					

September 23 2020 Hour: 1: 3 35.4 Lat: 37.32N Lon: 8.48W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	264	EP		1 3	38.50	-.090							1.0
MORF	HE	15	264	ES		1 3	41.070	.140							1.0
MORF	HE	15	264	IAML		1 3	41.37		33	0.1					
MESJ	HZ	62	22	EP		1 3	45.42	-.050							1.0

September 23 2020 Hour: 1:16 56.7 Lat: 35.47N Lon: 3.72W Depth: 5F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	481	304	EP		118	1.19	-.000							1.0

September 23 2020 Hour: 18:36 39.6 Lat: 36.65N Lon: 12.61W Depth: 31F 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	360	77	EP		1837	26.500	.180							1.0
MORF	HE	360	77	ES		1838	0.39	-.050							1.0
MORF	HE	360	77	IAML		1838	1.59		3	0.1					

MESJ HN 411 70 ES 1838 11.09-.130 1.0
 MESJ HE 411 70 IAML 1838 11.87 0.40 0.1

**September 23 2020 Hour: 23:11 18.5 Lat: 36.86N Lon: 8.39W Depth: 0 Agency: IGL Regional
 Magnitudes: 1.6ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	55	335	EP		2311	27.15-	.170							1.0
MORF	HN	55	335	ES		2311	33.66-	.080							1.0
MORF	HN	55	335	IAML		2311	34.71		22	0.2					
MESJ	HZ	110	8	EP		2311	36.280	.060							1.0
MESJ	HE	110	8	ES		2311	49.350	.210							1.0
MESJ	HN	110	8	IAML		2311	51.12		20	0.1					

**September 24 2020 Hour: 0:27 49.0 Lat: 0.28S Lon: 18.83W Depth: 10F Agency: IGL Distant
 Magnitudes: 5.2Ms 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	4293	13	EP		035	12.20-	.010							1.0
MORF	BZ	4293	13	EPP		036	40.17-	.030							1.0
MORF	BE	4293	13	ES		041	9.590	.230							1.0
MORF	BE	4293	13	IAMs_20		043	57.64		6977	44.6					
MESJ	BZ	4361	13	EP		035	17.12-	.160							1.0
MESJ	BZ	4361	13	EPP		036	46.950	.110							1.0
MESJ	BN	4361	13	ES		041	18.34-	.120							1.0
MESJ	BZ	4361	13	IAMs_20		052	34.20		2191	20.6					
GGNV	BN	4432	12	ES		041	27.99-	.010							1.0
GGNV	BE	4432	12	IAMs_20		044	28.80		7005	26.9					

**September 24 2020 Hour: 1:28 20.3 Lat: 35.21N Lon: 5.92W Depth: 43F Agency: IGL Regional
 Magnitudes: 2.2ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	338	314	EP		129	4.68-	.190							1.0
MORF	HN	338	314	ES		129	37.460	.030							1.0
MORF	HN	338	314	IAML		129	40.27		8	0.1					
MESJ	HZ	357	325	EP		129	7.290	.140							1.0
MESJ	HN	357	325	ES		129	41.390	.020							1.0
MESJ	HN	357	325	IAML		129	43.67		7	0.3					

**September 24 2020 Hour: 2: 8 2.5 Lat: 37.14N Lon: 8.38W Depth: 20F Agency: IGL Regional
 Magnitudes: 1.2ML IGL Rms: 0.1 secs**

NE LAGOA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	30	307	EP		2 8	8.02-	.190							1.0
MORF	HE	30	307	ES		2 8	12.430	.010							1.0
MORF	HE	30	307	IAML		2 8	13.00		17	0.1					
MESJ	HZ	79	10	EP		2 8	15.380	.190							1.0
MESJ	HN	79	10	ES		2 8	24.490	.000							1.0
MESJ	HE	79	10	IAML		2 8	25.94		10	0.1					

**September 24 2020 Hour: 4:45 31.8 Lat: 35.93N Lon: 8.58W Depth: 29F Agency: IGL Regional
 Magnitudes: 2.3ML IGL Rms: 0.2 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	153	358	EP		445	53.40-	.260							1.0
MORF	HN	153	358	ES		446	9.62-	.000							1.0
MORF	HN	153	358	IAML		446	10.73		30	0.1					
MESJ	HZ	214	9	EP		446	1.370	.090							1.0
MESJ	HN	214	9	ES		446	23.010	.190							1.0
MESJ	HN	214	9	IAML		446	23.94		25	0.3					

September 24 2020 Hour: 4:49 51.2 Lat: 35.33N Lon: 4.04W Depth: 1 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	466	308	EP		450	54.330	.030							1.0
MORF	HZ	469	299	EP		450	54.58-	.030							1.0

September 24 2020 Hour: 16:22 43.5 Lat: 36.80N Lon: 12.50W Depth: 1 Agency: IGL Regional
Magnitudes: 2.9ML 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	346	79	EP		1623	31.82-	.040							1.0
MORF	HN	346	79	ES		1624	7.260	.090							1.0
MORF	HN	346	79	IAML		1624	10.24			61	0.2				
MESJ	HZ	396	72	EP		1623	38.130	.110							1.0
MESJ	HN	396	72	ES		1624	17.66-	.160							1.0
MESJ	HE	396	72	IAML		1624	22.98			23	0.0				

September 25 2020 Hour: 3:21 59.9 Lat: 36.99N Lon: 8.79W Depth: 21F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	37	19	EP		322	6.700	.080							1.0
MORF	HE	37	19	ES		322	11.52-	.010							1.0
MORF	HE	37	19	IAML		322	12.46			314	0.2				
MESJ	HZ	107	28	EP		322	16.41-	.230							1.0
MESJ	HN	107	28	ES		322	29.010	.150							1.0
MESJ	HN	107	28	IAML		322	30.68			114	0.2				

September 26 2020 Hour: 22:50 24.9 Lat: 39.97N Lon: 24.31E Depth: 14F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.1 secs

AEGEAN SEA NET: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2816	276	EP		2255	51.300	.050							1.0
MESJ	BN	2816	276	ES		23 0	18.040	.000							1.0
MESJ	BZ	2816	276	IAMs_20		23 7	53.32			2752	8.7				
MORF	BE	2869	275	ES		23 0	25.720	.070							1.0
MORF	BE	2869	275	IAMs_20		23 8	25.90			4065	19.6				
GGNV	BE	2871	278	ES		23 0	25.67-	.130							1.0
GGNV	BE	2871	278	IAMs_20		23 7	7.19			4380	11.7				

September 27 2020 Hour: 0:4 7.4 Lat: 35.24N Lon: 3.77W Depth: 10F Agency: IGL Regional
Magnitudes: 2.3ML IGL 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	492	307	EP		0 5	12.75-	.000							1.0
MESJ	HE	492	307	ES		0 6	0.440	.000							1.0
MESJ	HN	492	307	IAML		0 6	6.75			5	0.4				

September 28 2020 Hour: 20:49 44.2 Lat: 37.35N Lon: 8.74W Depth: 4F Agency: IGL Regional
Magnitudes: 1.0ML 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	9	123	EP		2049	45.77-	.090							1.0
MORF	HE	9	123	ES		2049	47.080	.010							1.0
MORF	HE	9	123	IAML		2049	47.35			339	0.1				
MESJ	HZ	71	40	EP		2049	55.870	.180							1.0
MESJ	HN	71	40	ES		2050	3.99-	.090							1.0
MESJ	HN	71	40	IAML		2050	5.15			2	0.2				

September 28 2020 Hour: 21:44 15.2 Lat: 37.33N Lon: 8.50W Depth: 12F Agency: IGL Regional
Magnitudes: 1.2ML 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	14	258	EP		2144	18.08	-.170							1.0
MORF	HE	14	258	ES		2144	20.570	.120							1.0
MORF	HE	14	258	IAML		2144	20.95			74	0.1				
MESJ	HZ	62	24	EP		2144	25.320	.050							1.0

September 29 2020 Hour: 15:55 20.9 Lat: 36.81N Lon: 7.32W Depth: 26F 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	131	295	EP		1555	40.13	-.080							1.0
MORF	HN	131	295	ES		1555	54.400	.080							1.0
MORF	HE	131	295	IAML		1555	55.21			6	0.2				
MESJ	HN	139	325	ES		1555	56.14	-.000							1.0
MESJ	HN	139	325	IAML		1555	58.07			1.00	0.1				

September 29 2020 Hour: 23:34 22.2 Lat: 37.62N Lon: 8.37W Depth: 11F Agency: IGL Regional
Rms: 0.0 secs

SW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	28	28	EP		2334	27.080	.040							1.0
MESJ	HN	28	28	ES		2334	30.52	-.040							1.0

September 29 2020 Hour: 23:35 6.1 Lat: 37.64N Lon: 8.38W Depth: 12F Agency: IGL Regional
Rms: 0.0 secs

W OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	26	32	EP		2335	10.730	.000							1.0
MESJ	HN	26	32	ES		2335	14.14	-.000							1.0

September 30 2020 Hour: 1:33 5.7 Lat: 36.83N Lon: 8.92W Depth: 20F 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	58	24	EP		133	15.490	.120							1.0
MORF	HN	58	24	ES		133	22.400	.010							1.0
MORF	HN	58	24	IAML		133	23.50			40	0.1				
MESJ	HZ	128	29	EP		133	24.97	-.220							1.0
MESJ	HE	128	29	ES		133	39.460	.070							1.0
MESJ	HN	128	29	IAML		133	41.94			10	0.2				

September 30 2020 Hour: 2:42 49.8 Lat: 35.25N Lon: 14.83W Depth: 31F Agency: IGL Regional
Magnitudes: 3.4ML 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	600	66	EP		244	5.61	-.070							1.0
MORF	HE	600	66	ES		245	1.320	.240							1.0
MORF	HN	600	66	IAML		245	3.93			59	0.1				
GGNV	HZ	635	51	EP		244	9.82	-.080							1.0
GGNV	HN	635	51	ES		245	8.21	-.170							1.0
GGNV	HN	635	51	IAML		245	10.24			106	0.3				
MESJ	HZ	658	62	EP		244	12.710	.080							1.0
MESJ	HE	658	62	ES		245	13.100	.000							1.0
MESJ	HN	658	62	IAML		245	18.04			13	0.2				

September 30 2020 Hour: 5:26 6.5 Lat: 36.76N Lon: 4.42W Depth: 32F Agency: IGL Regional
Magnitudes: 2.1ML 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	358	291	EP		526	53.50	-.160							1.0
MESJ	HN	358	291	ES		527	28.260	.160							1.0
MESJ	HE	358	291	IAML		527	30.40			6	0.2				

September 30 2020 Hour: 5:29 51.6 Lat: 36.71N Lon: 9.68W Depth: 20F 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	113	54	EP		530	9.20	-.000							1.0
MORF	HN	113	54	ES		530	22.180	.150							1.0
MORF	HN	113	54	IAML		530	23.11			11	0.1				
MESJ	HZ	180	45	EP		530	17.37	-.180							1.0
MESJ	HN	180	45	ES		530	36.510	.030							1.0
MESJ	HN	180	45	IAML		530	38.85			2	0.1				

September 30 2020 Hour: 22: 2 31.9 Lat: 42.84N Lon: 1.47W Depth: 1F Agency: IGL Regional
Rms: 0.0 secs

PYRENEES Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	797	228	EP		22 4	14.89	-.020							1.0
MORF	HZ	867	227	EP		22 4	23.140	.020							1.0

September 30 2020 Hour: 23:23 25.0 Lat: 36.75N Lon: 7.34W Depth: 21F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	144	327	EP		2323	46.22	-.060							1.0
MESJ	HE	144	327	ES		2324	1.910	.060							1.0
MESJ	HN	144	327	IAML		2324	5.50			2	0.1				

September 30 2020 Hour: 23:37 32.8 Lat: 42.85N Lon: 1.50W Depth: 1F Agency: IGL Regional
Rms: 0.0 secs

PYRENEES Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	796	228	EP		2339	15.600	.000							1.0

October 1 2020 Hour: 0:21 39.2 Lat: 42.84N Lon: 1.48W Depth: 1F Agency: IGL Regional
Rms: 0.1 secs

PYRENEES Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	792	237	EP		023	21.37	-.140							1.0
MESJ	HZ	797	228	EP		023	22.250	.170							1.0
MORF	HZ	866	227	EP		023	30.24	-.040							1.0

October 1 2020 Hour: 1:13 37.7 Lat: 19.50S Lon: 174.23W Depth: 35F Agency: IGL Distant
Magnitudes: 6.6Ms IGL Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17459	31	EPKpdf			133	28.710	.050							1.0
GGNV	BZ17459	31	EPKPab			133	59.08	-.160							1.0
GGNV	BE17459	31	ESS			157	29.560	.030							1.0
GGNV	BE17459	31	IAMs 20			232	36.23			14220	29.4				
MESJ	BZ17586	31	EPKpdf			133	30.200	.070							1.0
MESJ	BZ17586	31	EPKPab			134	4.04	-.170							1.0
MESJ	BZ17586	31	EPP			137	44.170	.110							1.0
MESJ	BE17586	31	ESS			157	41.860	.110							1.0
MESJ	BZ17586	31	IAMs 20			238	9.93			11195	21.0				
MORF	BZ17609	32	EPKpdf			133	30.450	.010							1.0
MORF	BZ17609	32	EPKPab			134	5.11	-.060							1.0

MORF BZ17609 32 EPP 137 45.22-.010 1.0
MORF BZ17609 32 IAMS_20 234 1.73 8762 25.0

**October 1 2020 Hour: 5:27 18.7 Lat: 36.63N Lon: 9.76W Depth: 16F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	124	52	ES		527	51.95-	.100							1.0
MORF	HN	124	52	IAML		527	53.03			14	0.1				
MESJ	HZ	192	45	EP		527	46.380.	0.020							1.0
MESJ	HN	192	45	ES		528	6.650.	0.090							1.0
MESJ	HE	192	45	IAML		528	7.94			1	0.1				

**October 1 2020 Hour: 11: 5 38.1 Lat: 36.65N Lon: 26.73E Depth:154F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs**

DODECANESE ISLANDS, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3086	283	EP		1111	12.340.	0.010							1.0
MESJ	BZ	3086	283	IAMB		1111	13.47			32	0.8				

**October 1 2020 Hour: 21: 5 24.9 Lat: 37.29N Lon: 7.91W Depth: 1 Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs**

NW S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	66	272	EP		21 5	35.41-	.080							1.0
MORF	HN	66	272	ES		21 5	43.460.	0.210							1.0
MORF	HN	66	272	IAML		21 5	45.41			11	0.1				
MESJ	HZ	67	336	EP		21 5	35.700.	0.050							1.0
MESJ	HN	67	336	ES		21 5	43.35-	.170							1.0
MESJ	HN	67	336	IAML		21 5	45.76			6	0.2				

**October 2 2020 Hour: 8: 9 19.3 Lat: 36.81N Lon: 9.67W Depth: 20F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	106	58	EP		8 9	35.92-	.050							1.0
MORF	HN	106	58	ES		8 9	48.280.	0.140							1.0
MORF	HN	106	58	IAML		8 9	48.90			17	0.2				
MESJ	HZ	172	48	EP		8 9	44.11-	.090							1.0

**October 3 2020 Hour: 5:51 24.0 Lat: 36.28N Lon: 6.27W Depth: 1 Agency: IGL Regional
Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	245	316	EP		551	59.75-	.000							1.0

**October 3 2020 Hour: 8:17 17.9 Lat: 37.31N Lon: 8.59W Depth: 16F 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	6	264	EP		817	20.660.	0.020							1.0
MORF	HE	6	264	ES		817	22.65-	.020							1.0
MORF	HE	6	264	IAML		817	23.21			14	0.2				

**October 3 2020 Hour: 13:22 47.9 Lat: 69.29N Lon: 29.78W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs**

EASTERN GREENLAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3730	148	EP		1329	27.950.	0.010							1.0
MESJ	BZ	3730	148	IAMB		1329	31.85			115	1.6				
MORF	BZ	3779	149	EP		1329	31.79-	.010							1.0
MORF	BZ	3779	149	IAMB		1329	34.64			37	1.3				

October 3 2020 Hour: 14:31 16.7 Lat: 37.02N Lon: 8.67W Depth: 7F 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	32	3	EP		1431	22.000	.070							1.0
MESJ	HZ	99	24	EP		1431	32.52	-.160							1.0
MESJ	HN	99	24	ES		1431	44.450	.090							1.0
MESJ	HN	99	24	IAML		1431	45.51			8	0.2				

October 3 2020 Hour: 16:30 9.3 Lat: 7.19S Lon: 150.06E Depth: 48F Agency: IGL Distant
Rms: 0.1 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15994	330		EP		1649	38.460	.130							1.0
MORF	BZ16065	330		EP		1649	39.35	-.130							1.0

October 3 2020 Hour: 20:17 9.0 Lat: 33.73N Lon: 3.91W Depth: 1F 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	585	314	EP		2018	26.660	.040							1.0
MESJ	HZ	600	321	EP		2018	28.33	-.040							1.0

October 3 2020 Hour: 21:33 16.7 Lat: 36.50N Lon: 7.75W 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	120	318	EP		2133	35.270	.010							1.0
MESJ	HZ	154	344	EP		2133	39.520	.040							1.0
MESJ	HN	154	344	ES		2133	56.09	-.040							1.0
MESJ	HN	154	344	IAML		2133	58.08			4	0.1				

October 4 2020 Hour: 2:14 22.4 Lat: 36.86N Lon: 8.77W Depth: 27F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	50	12	EP		214	31.17	-.060							1.0
MORF	HE	50	12	ES		214	37.730	.060							1.0
MORF	HE	50	12	IAML		214	38.63			3	0.1				

October 4 2020 Hour: 2:40 47.7 Lat: 38.19N Lon: 8.76W Depth: 16F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

NW MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	61	129	EP		240	57.65	-.020							1.0
MESJ	HE	61	129	ES		241	4.92	-.060							1.0
MESJ	HE	61	129	IAML		241	5.77			67	0.1				
MORF	HZ	99	174	EP		241	3.420	.080							1.0
MORF	HN	99	174	ES		241	14.780	.000							1.0
MORF	HE	99	174	IAML		241	15.28			36	0.2				

October 4 2020 Hour: 2:51 40.1 Lat: 37.35N Lon: 7.91W Depth: 5F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

N 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	61	333	EP		251	50.010	.050							1.0
MESJ	HN	61	333	ES		251	56.99	-.160							1.0
MESJ	HN	61	333	IAML		251	58.93			1	0.1				
MORF	HZ	66	266	EP		251	50.860	.070							1.0
MORF	HN	66	266	ES		251	58.630	.040							1.0
MORF	HN	66	266	IAML		252	0.03			3	0.1				

October 4 2020 Hour: 4:21 25.7 Lat: 37.16N Lon: 8.39W Depth: 20F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

SE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	28	305	EP		421	31.15	-.020							1.0
MORF	HN	28	305	ES		421	35.200	.020							1.0
MORF	HE	28	305	IAML		421	36.06			21	0.2				
MESJ	HN	77	11	ES		421	47.180	.000							1.0
MESJ	HN	77	11	IAML		421	49.29			12	0.1				

October 4 2020 Hour: 4:54 10.0 Lat: 36.51N Lon: 9.67W Depth: 15F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	46	EP		454	29.740	.050							1.0
MORF	HN	126	46	ES		454	43.99	-.090							1.0
MORF	HE	126	46	IAML		454	46.98			19	0.1				
MESJ	HZ	196	41	EP		454	38.22	-.060							1.0
MESJ	HN	196	41	ES		454	59.040	.100							1.0
MESJ	HN	196	41	IAML		455	1.34			3	0.1				

October 4 2020 Hour: 7:29 43.6 Lat: 36.62N Lon: 7.14W Depth: 17F 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	155	300	EP		730	6.44	-.170							1.0
MORF	HN	155	300	ES		730	23.500	.080							1.0
MORF	HE	155	300	IAML		730	24.77			3	0.2				
MESJ	HZ	166	325	EP		730	8.020	.060							1.0
MESJ	HE	166	325	ES		730	25.810	.040							1.0
MESJ	HN	166	325	IAML		730	28.62			2	0.2				

October 4 2020 Hour: 7:55 40.7 Lat: 36.49N Lon: 7.56W Depth: 25F Agency: IGL Regional
Magnitudes: 1.5ML 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	132	313	EP		756	0.18	-.150							1.0
MESJ	HZ	160	339	EP		756	3.990	.220							1.0
MESJ	HN	160	339	ES		756	20.54	-.060							1.0
MESJ	HN	160	339	IAML		756	22.51			5	0.1				

October 4 2020 Hour: 12:10 38.5 Lat: 36.32N Lon: 7.80W Depth: 32F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	133	325	EP		1210	57.74	-.100							1.0
MORF	HN	133	325	ES		1211	11.88	-.060							1.0
MORF	HE	133	325	IAML		1211	13.37			54	0.1				
MESJ	HZ	173	348	EP		1211	2.870	.140							1.0
MESJ	HE	173	348	ES		1211	20.430	.030							1.0
MESJ	HN	173	348	IAML		1211	21.73			24	0.1				

October 4 2020 Hour: 12:13 1.1 Lat: 37.32N Lon: 8.60W Depth: 14F Agency: IGL Regional
Magnitudes: 0.4ML 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	5	250	EP		1213	3.34	-.180							1.0
MORF	HE	5	250	ES		1213	5.360	.040							1.0
MORF	HN	5	250	IAML		1213	5.66			13	0.2				
MESJ	HZ	67	30	EP		1213	11.990	.140							1.0
MESJ	HN	67	30	ES		1213	19.740	.010							1.0
MESJ	HE	67	30	IAML		1213	20.69			2	0.1				

October 5 2020 Hour: 12:59 47.2 Lat: 36.62N Lon: 7.33W Depth: 14F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	140	303	EP		13	0	8.700	.050						1.0
MORF	HE	140	303	ES		13	0	24.34	-.010						1.0
MORF	HE	140	303	IAML		13	0	26.94		35	0.2				
MESJ	HZ	157	330	EP		13	0	10.61	-.070						1.0
MESJ	HN	157	330	ES		13	0	27.880	.030						1.0
MESJ	HN	157	330	IAML		13	0	33.62		12	0.2				

October 6 2020 Hour: 4:24 57.4 Lat: 32.86N Lon: 39.84W Depth: 10F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	2874	71	EP		430	29.04	-.050							1.0
MORF	BZ	2874	71	IAMB		430	31.78			19	1.1				
MORF	BE	2874	71	ES		434	59.860	.040							1.0
MESJ	BZ	2913	70	EP		430	32.230	.010							1.0
MESJ	BZ	2913	70	IAMB		430	34.49			12	1.0				

October 6 2020 Hour: 5:54 51.0 Lat: 54.84N Lon: 159.86W Depth: 30F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

SOUTH OF ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9273	23	EP		6	7	15.20	-.000						1.0
GGNV	BN	9273	23	ESKSac		617	34.97	-.000							1.0
GGNV	BZ	9273	23	IAMS_20		641	10.90			4818	22.8				
MESJ	BZ	9389	22	EP		6	7	20.54	-.020						1.0
MESJ	BE	9389	22	ESKSac		617	41.970	.120							1.0
MESJ	BZ	9389	22	IAMS_20		641	53.75			5610	22.7				
MORF	BZ	9436	23	EP		6	7	22.71	-.010						1.0
MORF	BE	9436	23	ESKSac		617	44.55	-.080							1.0
MORF	BZ	9436	23	IAMS_20		644	31.88			6716	25.2				

October 6 2020 Hour: 10:11 46.3 Lat: 18.02S Lon: 178.49W Depth: 629F Agency: IGL Distant
Rms: 0.3 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	17514	22	EPKPdf		1030	31.270	.280							1.0
GGNV	BZ	17514	22	EPKPab		1031	7.13	-.200							1.0
MESJ	BZ	17638	21	EPKPdf		1030	32.700	.330							1.0
MESJ	BZ	17638	21	EPKPab		1031	11.84	-.380							1.0
MORF	BZ	17674	23	EPKPdf		1030	33.120	.320							1.0
MORF	BZ	17674	23	EPKPab		1031	13.35	-.340							1.0

October 6 2020 Hour: 12:17 45.6 Lat: 36.64N Lon: 4.39W Depth: 80F 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	365	293	EP		1218	33.07	-.120							1.0
MESJ	HN	365	293	ES		1219	7.91	-.040							1.0
MESJ	HN	365	293	IAML		1219	9.86			74	0.3				
MORF	HZ	387	282	EP		1218	35.77	-.010							1.0
MORF	HE	387	282	ES		1219	12.600	.170							1.0
MORF	HN	387	282	IAML		1219	19.48			174	0.3				

October 7 2020 Hour: 0:33 56.6 Lat: 36.68N Lon: 7.47W Depth: 20F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	145	333	EP		034	18.100	.010							1.0

October 7 2020 Hour: 9:52 49.1 Lat: 37.24N Lon: 9.27W Depth: 16F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	55	82	EP		952	58.320	.110							1.0
MORF	HN	55	82	ES		953	4.76-	.110							1.0
MORF	HN	55	82	IAML		953	5.63			2	0.2				

October 7 2020 Hour: 13:21 26.9 Lat: 35.88N Lon: 5.14W Depth: 17F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	350	309	EP		1322	14.250	.060							1.0
MORF	HZ	352	298	EP		1322	14.28-	.130							1.0
MORF	HE	352	298	ES		1322	49.170	.060							1.0
MORF	HE	352	298	IAML		1322	52.64			29	0.2				

October 7 2020 Hour: 16:51 45.0 Lat: 36.93N Lon: 8.77W Depth: 27F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

SW LAGOA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	14	EP		1651	52.880	.010							1.0
MORF	HE	43	14	ES		1651	58.720	.130							1.0
MORF	HE	43	14	IAML		1651	59.09			43	0.3				
MESJ	HZ	112	26	EP		1652	1.78-	.180							1.0
MESJ	HE	112	26	ES		1652	14.340	.020							1.0
MESJ	HE	112	26	IAML		1652	16.06			2	0.1				

October 7 2020 Hour: 17: 6 34.8 Lat: 36.43N Lon: 7.76W Depth: 7F Agency: IGL Regional
Magnitudes: 1.5ML 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	126	321	EP		17 6	54.800	.050							1.0
MORF	HN	126	321	ES		17 7	9.28-	.050							1.0
MORF	HE	126	321	IAML		17 7	11.50			9	0.2				

October 7 2020 Hour: 18:24 31.7 Lat: 18.02N Lon: 64.26W Depth: 5F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

VIRGIN ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5799	56	EP		1833	42.84-	.060							1.0
MORF	BZ	5799	56	IAMB		1833	45.03			26	1.0				
MESJ	BZ	5843	56	EP		1833	45.860	.060							1.0
MESJ	BZ	5843	56	IAMB		1833	47.36			48	1.5				

October 7 2020 Hour: 22:58 40.0 Lat: 37.10N Lon: 13.40W Depth: 17F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	422	86	EP		2259	36.15-	.120							1.0
MORF	HE	422	86	ES		23 0	17.480	.140							1.0
MORF	HE	422	86	IAML		23 0	22.40			3	0.2				
MESJ	HZ	466	78	EP		2259	41.47-	.020							1.0

October 8 2020 Hour: 2:15 29.3 Lat: 37.05N Lon: 8.63W Depth: 24F 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	28	356	EP		215	35.300	.150							1.0
MORF	HN	28	356	ES		215	39.440	.020							1.0
MORF	HE	28	356	IAML		215	40.22			227	0.2				
MESJ	HZ	95	22	EP		215	44.07	-.180							1.0
MESJ	HN	95	22	ES		215	55.15	-.000							1.0
MESJ	HN	95	22	IAML		215	57.04			13	0.1				

October 8 2020 Hour: 3:48 36.1 Lat: 37.32N Lon: 8.55W Depth: 10F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	259	EP		348	38.350	.020							1.0
MORF	HE	9	259	ES		348	40.110	.120							1.0
MORF	HN	9	259	IAML		348	40.56			19	0.2				
MESJ	HN	65	27	ES		348	54.17	-.150							1.0
MESJ	HN	65	27	IAML		348	54.70			0.90	0.1				

October 8 2020 Hour: 7:35 32.2 Lat: 6.11S Lon: 146.17E Depth: 104F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

EASTERN NEW GUINEA REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15651	329	EP			757	49.57	-.060							1.0
GGNV	BZ15651	329	IAMs_20			853	33.06			3212	25.8				
MESJ	BZ15669	327	EPKp \bar{d}			754	49.290	.150							1.0
MESJ	BZ15669	327	EP			757	50.56	-.100							1.0
MESJ	BN15669	327	ESS			816	9.75	-.130							1.0
MESJ	BN15669	327	IAMs_20			847	27.43			6861	28.0				
MORF	BZ15739	327	EP			757	54.690	.160							1.0
MORF	BN15739	327	ESS			816	17.24	-.010							1.0
MORF	BE15739	327	IAMs_20			847	43.41			13445	30.6				

October 8 2020 Hour: 7:46 2.8 Lat: 37.08N Lon: 8.40W Depth: 13F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

SE LAGOA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	34	318	EP		746	8.47	-.100							1.0
MORF	HN	34	318	ES		746	12.850	.050							1.0
MORF	HE	34	318	IAML		746	13.54			92	0.2				
MESJ	HZ	86	11	EP		746	16.590	.150							1.0
MESJ	HE	86	11	ES		746	26.33	-.100							1.0
MESJ	HN	86	11	IAML		746	28.36			9	0.2				

October 8 2020 Hour: 8:0 19.0 Lat: 36.74N Lon: 9.65W Depth: 22F 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	109	54	EP		8 0	35.83	-.040							1.0
MORF	HN	109	54	ES		8 0	48.230	.030							1.0
MORF	HE	109	54	IAML		8 0	48.87			15	0.2				
MESJ	HZ	176	46	EP		8 0	44.15	-.050							1.0
MESJ	HN	176	46	ES		8 1	2.670	.050							1.0
MESJ	HE	176	46	IAML		8 1	4.50			2	0.1				

October 8 2020 Hour: 14:22 39.9 Lat: 52.72N Lon: 168.26W Depth: 37F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9793	16	EP		1435	26.290	.020							1.0
MESJ	BZ	9793	16	IAMB		1435	38.05			26	1.4				
MESJ	BN	9793	16	ESKSac		1445	51.74	-.030							1.0
MORF	BZ	9843	16	EP		1435	28.460	.000							1.0
MORF	BZ	9843	16	IAMB		1435	30.28			89	1.3				

October 8 2020 Hour: 15:58 49.0 Lat: 5.90S Lon: 150.83E Depth: 30F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	15911	332	EPKp _f		1618	19.150	.090							1.0
MESJ	BZ	15911	332	IAMs ₂₀		1718	51.84			2088	34.0				
MORF	BZ	15981	332	EPKp _f		1618	20.13	-.090							1.0
MORF	BZ	15981	332	IAMs ₂₀		1722	31.39			2147	26.2				

October 8 2020 Hour: 16:54 19.6 Lat: 36.58N Lon: 7.63W Depth: 19F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	312	EP		1654	38.23	-.150							1.0
MORF	HN	121	312	ES		1654	51.98	-.080							1.0
MORF	HE	121	312	IAML		1654	56.08			17	0.1				
MESJ	HZ	149	340	EP		1654	41.990	.200							1.0
MESJ	HN	149	340	ES		1654	58.010	.040							1.0
MESJ	HN	149	340	IAML		1655	0.40			12	0.3				

October 8 2020 Hour: 23:42 6.7 Lat: 36.84N Lon: 10.63W Depth: 24F 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	183	73	EP		2342	32.67	-.050							1.0
MORF	HN	183	73	ES		2342	51.780	.070							1.0
MORF	HE	183	73	IAML		2342	53.09			3	0.1				
MESJ	HZ	241	62	EP		2342	39.80	-.020							1.0

October 9 2020 Hour: 1:34 56.0 Lat: 36.94N Lon: 8.82W Depth: 29F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	20	EP		135	3.94	-.050							1.0
MORF	HE	43	20	ES		135	9.81	-.020							1.0
MORF	HE	43	20	IAML		135	10.09			12	0.3				
MESJ	HE	113	28	ES		135	25.350	.070							1.0
MESJ	HN	113	28	IAML		135	27.53			3	0.5				

October 9 2020 Hour: 6:7 32.9 Lat: 38.37N Lon: 8.72W Depth: 14F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

W ALCACER DO SAL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	73	143	EP		6 7	44.61	-.130							1.0
MESJ	HN	73	143	ES		6 7	53.31	-.050							1.0
MESJ	HN	73	143	IAML		6 7	55.11			9	0.2				
MORF	HZ	118	177	EP		6 7	51.600	.030							1.0
MORF	HE	118	177	ES		6 8	5.340	.160							1.0
MORF	HE	118	177	IAML		6 8	6.32			13	0.2				

October 9 2020 Hour: 8:55 51.3 Lat: 27.89S Lon: 66.38W Depth:152F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs

CATAMARCA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9466	42	EP		9 8	10.010	0.010							1.0
MESJ	BZ	9466	42	IAMB		9 8	11.52			12	0.9				

October 9 2020 Hour: 19:17 8.7 Lat: 37.49N Lon: 7.57W Depth: 18F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	69	304	EP		1917	19.81-	-.160							1.0
MESJ	HE	69	304	ES		1917	28.230	.050							1.0
MESJ	HN	69	304	IAML		1917	29.27			2	0.1				
MORF	HE	98	258	ES		1917	35.830	.120							1.0
MORF	HN	98	258	IAML		1917	37.90			7	0.1				

October 9 2020 Hour: 21:22 23.2 Lat: 17.22S Lon: 167.43E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Ms 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	BZ17707	350	EP	KPab		2142	58.23-	-.030							1.0
MESJ	BZ17707	350	IAMS	20		2258	23.40			396	22.2				
MORF	BZ17772	351	EP	KPab		2143	0.920	.030							1.0

October 10 2020 Hour: 0:10 18.9 Lat: 37.08N Lon: 14.54W Depth: 22F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	524	86	EP		011	27.00-	.000							1.0
MORF	HN	524	86	ES		012	16.69-	.000							1.0
MORF	HN	524	86	IAML		012	18.85			14	0.3				
MESJ	HZ	566	80	EP		011	32.03-	.040							1.0
MESJ	HN	566	80	ES		012	25.500	.040							1.0
MESJ	HN	566	80	IAML		012	27.32			6	0.3				

October 10 2020 Hour: 12:39 50.2 Lat: 36.92N Lon: 8.81W Depth: 29F 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	45	18	EP		1239	58.550	.090							1.0
MORF	HN	45	18	ES		1240	4.38-	.090							1.0
MORF	HN	45	18	IAML		1240	5.21			9	0.1				

October 10 2020 Hour: 22:48 18.8 Lat: 36.72N Lon: 7.58W Depth: 23F 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	115	305	EP		2248	36.47-	.210							1.0
MORF	HN	115	305	ES		2248	49.820	.070							1.0
MORF	HE	115	305	IAML		2248	50.07			11	0.2				
MESJ	HZ	137	336	EP		2248	39.390	.110							1.0
MESJ	HN	137	336	ES		2248	54.280	.030							1.0
MESJ	HN	137	336	IAML		2248	54.66			4	0.2				

October 11 2020 Hour: 1:20 19.0 Lat: 37.20N Lon: 10.03W Depth: 7F 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
MORF	HZ	123	84	EP		120	38.660	.070							1.0
MORF	HN	123	84	ES		120	52.880	.010							1.0
MORF	HN	123	84	IAML		120	54.96			45	0.2				
MESJ	HZ	175	66	EP		120	45.42-	.090							1.0

October 11 2020 Hour: 2:157.3 Lat: 37.15N Lon: 10.00W Depth: 13F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	81	EP		2	2	16.290	.010						1.0
MORF	HN	121	81	ES		2	2	30.14	-.010						1.0
MORF	HN	121	81	IAML		2	2	33.23			7	0.2			

October 11 2020 Hour: 4:34 23.7 Lat: 36.39N Lon: 7.96W Depth: 1 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	119	329	EP		434	42.80	-.060							1.0
MORF	HN	119	329	ES		434	57.030	.180							1.0
MORF	HE	119	329	IAML		434	58.55			6	0.2				
MESJ	HN	163	352	ES		435	7.67	-.120							1.0
MESJ	HN	163	352	IAML		435	10.45			3	0.2				

October 11 2020 Hour: 4:44 24.3 Lat: 36.78N Lon: 14.38W Depth: 26F 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	513	82	EP		445	30.900	.110							1.0
MESJ	HZ	559	76	EP		445	36.19	-.110							1.0

October 11 2020 Hour: 18:50 2.0 Lat: 37.25N Lon: 8.59W Depth: 18F Agency: IGL Regional
Magnitudes: 0.6ML 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	8	317	EP		1850	5.14	-.020							1.0
MORF	HE	8	317	ES		1850	7.520	.020							1.0
MORF	HE	8	317	IAML		1850	7.92			18	0.1				

October 12 2020 Hour: 0:30 40.7 Lat: 35.59N Lon: 26.22E Depth: 10F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs

CRETE, GREECE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3070	285	EP		036	28.23	-.010							1.0
MESJ	BZ	3070	285	IAMB		036	29.52			23	0.9				

October 12 2020 Hour: 2:36 56.4 Lat: 35.44N Lon: 4.85W Depth: 39F Agency: IGL Regional
Magnitudes: 2.3ML 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
MORF	HZ	399	302	EP		237	48.650	.150							1.0
MORF	HN	399	302	ES		238	26.50	-.020							1.0
MORF	HE	399	302	IAML		238	29.32			9	0.2				
MESJ	HN	402	312	ES		238	26.98	-.130							1.0
MESJ	HN	402	312	IAML		238	28.39			6	0.2				

October 12 2020 Hour: 4:11 27.4 Lat: 35.62N Lon: 26.21E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

CRETE, GREECE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3068	285	EP		417	14.78	-.010							1.0
MESJ	BZ	3068	285	IAMB		417	27.90			71	1.3				

October 12 2020 Hour: 16:26 9.9 Lat: 37.13N Lon: 8.55W Depth: 17F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

E PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	21	335	EP		1626	14.13	-.180							1.0
MORF	HN	21	335	ES		1626	17.600	.090							1.0
MORF	HN	21	335	IAML		1626	17.89			20	0.1				
MESJ	HZ	84	20	EP		1626	23.560	.200							1.0
MESJ	HE	84	20	ES		1626	33.07	-.100							1.0
MESJ	HN	84	20	IAML		1626	34.36			3	0.2				

October 12 2020 Hour: 22:49 45.0 Lat: 37.38N Lon: 7.78W Depth: 10F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 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	64	323	EP		2249	55.430	.010							1.0
MESJ	HN	64	323	ES		2250	3.06	-.010							1.0
MESJ	HN	64	323	IAML		2250	4.77			2	0.1				

October 12 2020 Hour: 23:57 43.7 Lat: 36.98N Lon: 4.99W Depth: 5F Agency: IGL Regional
Magnitudes: 0.0ML IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	302	289	EP		2358	26.08	-.010							1.0

October 13 2020 Hour: 3:39 19.9 Lat: 36.35N Lon: 7.92W 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	124	329	EP		339	38.19	-.190							1.0
MORF	HN	124	329	ES		339	51.840	.000							1.0
MORF	HN	124	329	IAML		339	52.96			4	0.1				
MESJ	HZ	167	351	EP		339	43.900	.210							1.0
MESJ	HE	167	351	ES		340	1.01	-.010							1.0
MESJ	HN	167	351	IAML		340	2.60			1	0.1				

October 13 2020 Hour: 21:5 19.5 Lat: 37.31N Lon: 8.58W Depth: 10F Agency: IGL Regional
Magnitudes: 1.0ML 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		215	21.40	-.060							1.0
MORF	HN	6	264	ES		215	22.980	.060							1.0
MORF	HN	6	264	IAML		215	23.50			78	0.1				

October 13 2020 Hour: 21:15 34.6 Lat: 38.77N Lon: 9.54W Depth: 2F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

NW CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	35	100	ES		2115	44.330	.040							1.0
GGNV	HN	35	100	IAML		2115	46.16			129	0.2				
MESJ	HZ	155	131	EP		2115	59.07	-.070							0.9
MESJ	HN	155	131	ES		2116	17.060	.030							0.9
MESJ	HE	155	131	IAML		2116	18.88			1	0.1				

October 14 2020 Hour: 12:14 9.2 Lat: 36.39N Lon: 8.19W Depth: 3F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	161	359	EP		1214	34.16	-.130							1.0
MESJ	HE	161	359	ES		1214	52.780	.130							1.0
MESJ	HE	161	359	IAML		1214	54.32			2	0.1				

October 15 2020 Hour: 10:58 18.9 Lat: 36.52N Lon: 5.44W Depth: 5F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	287	302	EP		1058	59.39	-.090							1.0
MESJ	HN	287	302	ES		1059	29.09	-.030							1.0
MESJ	HN	287	302	IAML		1059	32.03			18	0.2				
MORF	HZ	299	288	EP		1059	1.100	.080							1.0
MORF	HE	299	288	ES		1059	31.840	.040							1.0
MORF	HN	299	288	IAML		1059	34.75			27	0.2				

October 15 2020 Hour: 18:30 28.9 Lat: 37.10N Lon: 9.33W Depth: 34F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

NW CABO S.VICENTE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	64	69	EP		1830	39.62	-.020							1.0
MORF	HE	64	69	ES		1830	47.550	.030							1.0
MORF	HN	64	69	IAML		1830	48.47			55	0.1				
MESJ	HZ	128	50	EP		1830	47.37	-.130							1.0
MESJ	HN	128	50	ES		1831	1.240	.120							1.0
MESJ	HN	128	50	IAML		1831	2.43			22	0.2				

October 16 2020 Hour: 0:8 23.5 Lat: 8.12N Lon: 37.95W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

CENTRAL MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4449	38	EP		015	58.290	.030							1.0
MESJ	BZ	4449	38	IAMB		016	0.19			18	1.1				
GGNV	BZ	4451	36	EP		015	58.40	-.030							1.0
GGNV	BZ	4451	36	IAMB		016	0.88			84	1.0				

October 16 2020 Hour: 0:58 52.3 Lat: 36.60N Lon: 5.43W Depth: 15F Agency: IGL Regional
Magnitudes: 4.0ML IGL Rms: 0.1 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	283	300	EP		059	31.38	-.030							1.0
MESJ	HN	283	300	ES		1 0	0.170	.180							1.0
MESJ	HN	283	300	IAML		1 0	18.12			278	0.4				
MORF	HZ	297	286	EP		059	33.05	-.160							1.0
MORF	HE	297	286	ES		1 0	3.140	.030							1.0
MORF	HN	297	286	IAML		1 0	29.39			759	0.3				
GGNV	HZ	404	307	EP		059	46.29	-.040							0.9
GGNV	HN	404	307	ES		1 0	25.820	.010							0.9
GGNV	HN	404	307	IAML		1 0	58.82			776	0.8				

October 16 2020 Hour: 15:21 41.1 Lat: 37.32N Lon: 8.55W Depth: 11F 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		1521	43.34	-.140							1.0
MORF	HN	9	259	ES		1521	45.350	.120							1.0
MORF	HE	9	259	IAML		1521	45.99			56	0.2				
MESJ	HN	65	27	ES		1521	59.320	.020							1.0
MESJ	HN	65	27	IAML		1522	1.37			1	0.1				

October 16 2020 Hour: 20:41 58.5 Lat: 36.65N Lon: 7.17W Depth: 30F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	151	299	EP		2042	19.95	-.090							1.0
MORF	HN	151	299	ES		2042	35.71	-.070							1.0
MORF	HN	151	299	IAML		2042	37.18			29	0.2				
MESJ	HZ	162	325	EP		2042	21.480	.110							1.0

MESJ HE 162 325 ES 2042 38.130.060 1.0
 MESJ HN 162 325 IAML 2042 39.43 7 0.1

October 17 2020 Hour: 2:53 40.4 Lat: 37.32N Lon: 8.55W Depth: 9F Agency: IGL Regional
Magnitudes: 1.2ML 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	9	259	EP		253	42.47	-.060							1.0
MORF	HN	9	259	ES		253	44.180	.080							1.0
MORF	HN	9	259	IAML		253	44.62		108	0.1					
MESJ	HE	65	27	ES		253	58.57	-.020							1.0

October 17 2020 Hour: 10:49 20.4 Lat: 54.63S Lon: 132.94W Depth: 10F Agency: IGL Distant
Rms: 0.0 secs

PACIFIC-ANTARTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15482	91	EPK	pdf		11	8	47.400	.010						1.0

October 17 2020 Hour: 12:57 56.9 Lat: 36.78N Lon: 7.37W Depth: 24F Agency: IGL Regional
Magnitudes: 0.9ML 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	140	328	EP		1258	17.48	-.030							1.0
MESJ	HN	140	328	ES		1258	32.540	.030							1.0
MESJ	HN	140	328	IAML		1258	33.77		2	0.2					

October 17 2020 Hour: 19:22 13.5 Lat: 37.58N Lon: 8.34W Depth: 10F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

SW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	31	20	EP		1922	18.790	.090							1.0
MESJ	HE	31	20	ES		1922	22.51	-.000							1.0
MESJ	HN	31	20	IAML		1922	22.98		5	0.2					
MORF	HZ	41	222	EP		1922	20.27	-.080							1.0

October 17 2020 Hour: 21:29 0.9 Lat: 37.37N Lon: 8.52W Depth: 14F Agency: IGL Regional
Magnitudes: 0.7ML 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	14	238	EP		2129	4.00	-.160							1.0
MORF	HE	14	238	ES		2129	6.580	.080							1.0
MORF	HN	14	238	IAML		2129	7.31		19	0.1					
MESJ	HZ	58	27	EP		2129	10.49	-.000							1.0
MESJ	HN	58	27	ES		2129	17.540	.080							1.0

October 18 2020 Hour: 3:27 32.7 Lat: 36.68N Lon: 7.99W Depth: 21F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	91	320	ES		327	57.850	.030							1.0
MORF	HE	91	320	IAML		327	58.85		14	0.2					
MESJ	HZ	130	351	EP		327	52.340	.020							1.0
MESJ	HE	130	351	ES		328	6.60	-.050							1.0
MESJ	HN	130	351	IAML		328	7.44		5	0.1					

October 18 2020 Hour: 5:29 53.9 Lat: 37.15N Lon: 8.60W Depth: 23F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	18	345	EP		529	58.14	-.050							1.0
MORF	HE	18	345	ES		530	1.370	.050							1.0
MORF	HE	18	345	IAML		530	1.63		15	0.2					

October 18 2020 Hour: 6:37 26.3 Lat: 36.83N Lon: 8.50W Depth: 20F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

SLAGOA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	54	346	EP		637	35.24	-.150							1.0
MORF	HN	54	346	ES		637	42.210	.150							1.0
MORF	HE	54	346	IAML		637	42.94			5	0.1				

October 18 2020 Hour: 6:58 29.5 Lat: 3.90S Lon: 81.85W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Mb 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
GGNV	BZ	8799	50	EP		710	34.06	-.060							1.0
GGNV	BZ	8799	50	IAMB		710	35.67			101	1.1				
MORF	BZ	8805	51	EP		710	34.530	.080							1.0
MORF	BZ	8805	51	IAMB		710	36.60			253	1.6				
MESJ	BZ	8855	51	EP		710	36.88	-.020							1.0
MESJ	BZ	8855	51	IAMB		710	38.00			62	1.5				

October 18 2020 Hour: 8: 7 15.9 Lat: 39.13N Lon: 23.48E Depth: 14F Agency: IGL Distant
Magnitudes: 4.5Mb IGL Rms: 0.0 secs

AEGEAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2756	277	EP		812	37.300	.010							1.0
MESJ	BZ	2756	277	IAMB		812	38.62			12	0.9				
MESJ	BN	2756	277	ES		817	0.37	-.010							1.0

October 18 2020 Hour: 10:26 4.0 Lat: 38.08N Lon: 9.35W Depth: 28F Agency: IGL Regional
Magnitudes: 1.2ML 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	103	105	EP		1026	19.68	-.010							1.0
MESJ	HE	103	105	ES		1026	31.340	.180							1.0
MESJ	HN	103	105	IAML		1026	31.91			4	0.2				
MORF	HE	106	144	ES		1026	31.68	-.170							1.0
MORF	HE	106	144	IAML		1026	32.12			5	0.1				

October 19 2020 Hour: 0: 7 23.1 Lat: 37.36N Lon: 8.33W Depth: 22F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	29	258	EP		0 7	28.65	-.290							1.0
MORF	HE	29	258	ES		0 7	33.220	.050							1.0
MORF	HE	29	258	IAML		0 7	33.83			107	0.2				
MESJ	HZ	54	10	EP		0 7	32.470	.170							1.0
MESJ	HN	54	10	ES		0 7	39.060	.080							1.0
MESJ	HN	54	10	IAML		0 7	40.16			22	0.1				

October 19 2020 Hour: 5:44 7.6 Lat: 36.66N Lon: 9.71W Depth: 18F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	52	EP		544	26.02	-.010							1.0
MORF	HN	118	52	ES		544	39.36	-.120							1.0
MORF	HN	118	52	IAML		544	41.12			12	0.1				
MESJ	HE	186	45	ES		544	54.130	.130							1.0
MESJ	HN	186	45	IAML		544	55.84			2	0.0				

October 19 2020 Hour: 7:31 29.3 Lat: 3.37S Lon: 100.27E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs

KEPULAUAN MENTAWAI REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11871	308		EPP		750	9.360	.210							1.0
MESJ	BN11871	308		ESS		8 5	15.05	-.130							1.0
MESJ	BZ11871	308		IAMs_20		835	16.75		1266	17.8					
MORF	BZ11918	308		EPP		750	12.18	-.120							1.0
MORF	BZ11918	308		IAMs_20		849	9.05		2387	23.9					
GGNV	BZ11936	309		EPP		750	13.430	.040							1.0

October 19 2020 Hour: 18:52 8.4 Lat: 37.04N Lon: 8.79W Depth: 11F Agency: IGL Regional
Magnitudes: 0.7ML 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	HN	32	23	ES		1852	17.74	-.080							1.0
MORF	HN	32	23	IAML		1852	18.16		8	0.1					
MESJ	HZ	102	29	EP		1852	24.810	.230							1.0
MESJ	HE	102	29	ES		1852	36.26	-.150							1.0
MESJ	HN	102	29	IAML		1852	38.54		2	0.1					

October 19 2020 Hour: 20:54 41.5 Lat: 54.66N Lon: 159.68W Depth: 40F Agency: IGL Distant
Magnitudes: 7.9Ms IGL Rms: 0.1 secs

SOUTH OF ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9287	23	EP		21 7	5.170	.040							1.0
GGNV	BE	9287	23	ESKSac		2117	23.86	-.150							1.0
GGNV	BZ	9287	23	IAMs_20		2141	10.26		606000	25.3					
MESJ	BZ	9403	22	EP		21 7	10.620	.140							1.0
MESJ	BN	9403	22	ESKSac		2117	30.78	-.100							1.0
MESJ	BZ	9403	22	IAMs_20		2141	55.47		668000	25.7					
MORF	BZ	9450	23	EP		21 7	12.53	-.100							1.0
MORF	BE	9450	23	ESKSac		2117	33.820	.180							1.0
MORF	BZ	9450	23	IAMs_20		2144	57.37		473000	16.5					

October 20 2020 Hour: 1:32 39.9 Lat: 35.73N Lon: 4.76W Depth: 32F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	388	308	EP		133	30.68	-.100							1.0
MESJ	HN	388	308	ES		134	7.910	.010							1.0
MESJ	HN	388	308	IAML		134	10.03		4	0.2					
MORF	HZ	390	298	EP		133	31.06	-.050							1.0
MORF	HN	390	298	ES		134	8.610	.140							1.0
MORF	HN	390	298	IAML		134	11.06		10	0.4					

October 20 2020 Hour: 4: 7 6.5 Lat: 54.31N Lon: 159.68W Depth: 6F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs

SOUTH OF ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9323	23	EP		419	36.78	-.050							1.0
GGNV	BN	9323	23	ESKSac		430	0.03	-.100							1.0
GGNV	BZ	9323	23	IAMs_20		454	42.91		3194	22.0					
MESJ	BZ	9440	22	EP		419	42.370	.210							0.9
MESJ	BE	9440	22	ESKSac		430	6.93	-.040							1.0
MESJ	BZ	9440	22	IAMs_20		455	47.54		2638	20.9					
MORF	BZ	9486	23	EP		419	44.310	.010							1.0
MORF	BE	9486	23	ESKSac		430	9.720	.000							1.0
MORF	BZ	9486	23	IAMs_20		457	54.36		2505	22.0					

October 20 2020 Hour: 13:43 17.9 Lat: 64.02N Lon: 22.12W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.1 secs

ICELAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2941	157	EP		1348	55.080	.030							1.0
GGNV	BE	2941	157	ES		1353	29.74	-.080							1.0
GGNV	BE	2941	157	IAMs_20		1358	31.52		9126	14.9					
MESJ	BZ	3054	156	EP		1349	4.22	-.010							1.0
MESJ	BE	3054	156	ES		1353	45.90	-.020							1.0
MESJ	BE	3054	156	IAMs_20		1357	43.81		6828	19.9					
MORF	BZ	3103	157	EP		1349	8.21	-.040							1.0
MORF	BN	3103	157	ES		1353	53.110	.120							1.0
MORF	BE	3103	157	IAMs_20		14 1	53.73		7334	13.3					

October 20 2020 Hour: 20: 6 34.1 Lat: 37.16N Lon: 8.67W Depth: 27F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

NE LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	5	EP		20 6	38.95	-.030							1.0
MORF	HN	16	5	ES		20 6	42.640	.060							1.0
MORF	HE	16	5	IAML		20 6	43.13		8	0.1					
MESJ	HN	85	28	ES		20 6	57.56	-.030							1.0
MESJ	HE	85	28	IAML		20 6	59.55		2	0.3					

October 20 2020 Hour: 22:36 52.3 Lat: 36.80N Lon: 11.09W Depth: 31F Agency: IGL Regional
Magnitudes: 1.9ML 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	224	75	EP		2237	22.240	.060							1.0
MORF	HE	224	75	ES		2237	44.010	.030							1.0
MORF	HN	224	75	IAML		2237	46.21		16	0.1					
MESJ	HZ	279	65	EP		2237	28.96	-.070							1.0
MESJ	HE	279	65	ES		2237	55.80	-.030							1.0
MESJ	HE	279	65	IAML		2237	58.93		2	0.2					

October 21 2020 Hour: 0:22 33.6 Lat: 19.32S Lon: 172.39W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.0 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	17466	33	EPKp _f		042	28.63	-.050							1.0
MESJ	BZ	17466	33	EPP		046	37.880	.020							1.0
MESJ	BZ	17466	33	IAMs_20		148	35.20		1190	24.7					
MORF	BZ	17485	35	EPKp _f		042	28.93	-.020							1.0
MORF	BZ	17485	35	EPP		046	38.890	.060							1.0
MORF	BZ	17485	35	IAMs_20		212	7.10		1149	18.3					

October 21 2020 Hour: 1:24 23.7 Lat: 38.30N Lon: 9.42W Depth: 20F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	117	116	EP		124	41.800	.050							1.0
MESJ	HE	117	116	ES		124	54.90	-.050							1.0
MESJ	HN	117	116	IAML		124	57.32		2	0.1					

October 21 2020 Hour: 4:35 56.7 Lat: 36.62N Lon: 7.53W Depth: 20F 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	126	308	EP		436	15.72	-.190							1.0
MESJ	HZ	149	336	EP		436	18.880	.140							1.0
MESJ	HE	149	336	ES		436	34.850	.060							1.0
MESJ	HN	149	336	IAML		436	37.54		4	0.1					

October 21 2020 Hour: 8:15 56.4 Lat: 35.55N Lon: 6.77W Depth: 42F 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	258	320	EP		816	31.12	-.070							1.0
MORF	HE	258	320	ES		816	56.74	0.130							1.0
MORF	HE	258	320	IAML		816	59.41			9	0.2				
MESJ	HZ	285	333	EP		816	34.52	-.030							1.0
MESJ	HN	285	333	ES		817	2.40	-.020							1.0
MESJ	HE	285	333	IAML		817	5.98			1	0.1				

October 21 2020 Hour: 9:13 5.6 Lat: 25.52S Lon: 71.00W Depth: 9F Agency: IGL Distant
Magnitudes: 5.6Ms 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	9529	45	EP		925	44.51	-.210							1.0
MORF	BE	9529	45	ESKSac		936	9.61	0.110							1.0
MORF	BZ	9529	45	IAMs_20	10	2	58.52			2472	19.1				
GGNV	BZ	9588	44	EP		925	47.27	0.040							1.0
GGNV	BZ	9588	44	IAMs_20	10	4	10.82			2365	15.9				
MESJ	BZ	9595	45	EP		925	47.65	0.060							1.0
MESJ	BZ	9595	45	IAMs_20	10	1	8.65			1386	13.3				

October 21 2020 Hour: 14:38 42.7 Lat: 36.63N Lon: 9.77W Depth: 16F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	53	EP		1439	1.97	-.140							1.0
MORF	HN	125	53	ES		1439	16.21	-.040							1.0
MORF	HN	125	53	IAML		1439	18.32			23	0.2				
MESJ	HZ	192	45	EP		1439	10.42	-.060							1.0
MESJ	HE	192	45	ES		1439	31.00	0.250							1.0
MESJ	HE	192	45	IAML		1439	34.23			5	0.2				

October 21 2020 Hour: 18:30 17.6 Lat: 38.76N Lon: 8.16W Depth: 14F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

NE MONTEMOR-O-NOVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	102	183	EP		1830	33.80	0.050							1.0
MESJ	HE	102	183	ES		1830	45.52	-.050							1.0
MESJ	HE	102	183	IAML		1830	46.59			1	0.1				

October 22 2020 Hour: 8:24 5.7 Lat: 20.88S Lon: 176.61W Depth: 238F 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	BZ17841	28	EP	KPab		844	18.59	0.010							1.0
MORF	BZ17868	30	EP	KPab		844	19.69	-.010							1.0

October 22 2020 Hour: 10:42 53.7 Lat: 40.30N Lon: 9.45W Depth: 17F Agency: IGL Regional
Magnitudes: 3.5ML IGL Rms: 0.0 secs

NW CABO MONDEGO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	293	158	EP		1043	33.91	0.020							1.0
MESJ	HE	293	158	ES		1044	3.17	-.070							1.0
MESJ	HE	293	158	IAML		1044	18.33			165	0.7				
MORF	HZ	340	168	EP		1043	39.76	0.060							1.0
MORF	HN	340	168	ES		1044	13.30	0.000							1.0
MORF	HE	340	168	IAML		1044	30.14			169	0.4				

October 22 2020 Hour: 20:39 58.7 Lat: 35.77N Lon: 4.72W Depth: 30F 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	387	307	EP		2040	49.650	.050							1.0
MESJ	HN	387	307	ES		2041	26.73-	.050							1.0
MESJ	HN	387	307	IAML		2041	29.25			6	0.2				

October 22 2020 Hour: 22:39 56.2 Lat: 38.37N Lon: 8.05W Depth: 12F Agency: IGL Regional
 Magnitudes: 0.8ML IGL Rms: 0.1 secs

NW VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	61	194	EP		2240	6.160	.070							1.0
MESJ	HE	61	194	ES		2240	13.23-	.080							1.0
MESJ	HE	61	194	IAML		2240	14.05			3	0.1				
MORF	HE	130	204	ES		2240	31.400	.010							1.0
MORF	HN	130	204	IAML		2240	32.91			3	0.2				

October 22 2020 Hour: 23: 6 32.4 Lat: 52.70N Lon: 34.98W Depth: 10F Agency: IGL Distant
 Magnitudes: 5.1Mb IGL Rms: 0.1 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2644	118	EP		2311	45.14-	.160							1.0
MESJ	BZ	2644	118	IAMB		2311	53.09			115	1.4				
MORF	BZ	2662	119	EP		2311	47.010	.160							1.0
MORF	BZ	2662	119	IAMB		2311	54.97			47	1.2				

October 22 2020 Hour: 23:37 56.6 Lat: 38.36N Lon: 8.04W Depth: 7F Agency: IGL Regional
 Magnitudes: 1.4ML IGL Rms: 0.0 secs

NW VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	60	195	EP		2338	6.340	.040							1.0
MESJ	HN	60	195	ES		2338	13.35-	.050							1.0
MESJ	HN	60	195	IAML		2338	14.11			10	0.1				
MORF	HN	129	205	ES		2338	32.060	.010							1.0
MORF	HN	129	205	IAML		2338	33.07			9	0.1				

October 23 2020 Hour: 0: 3 11.8 Lat: 38.80N Lon: 9.23W Depth: 17F Agency: IGL Regional
 Magnitudes: 1.8ML IGL Rms: 0.1 secs

N AMADORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	12	143	EP		0 3	14.87-	.180							1.0
GGNV	HE	12	143	ES		0 3	17.630	.190							1.0
GGNV	HN	12	143	IAML		0 3	18.45			764	0.2				
MESJ	HZ	138	140	EP		0 3	33.510	.060							0.9
MESJ	HE	138	140	ES		0 3	49.290	.020							0.9
MESJ	HE	138	140	IAML		0 3	51.34			5	0.2				
MORF	HZ	174	163	EP		0 3	37.08-	.090							0.9

October 23 2020 Hour: 1:46 17.9 Lat: 36.40S Lon: 97.14W Depth: 10F Agency: IGL Distant
 Magnitudes: 5.7Ms IGL Rms: 0.0 secs

WEST CHILE RISE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ12214	58	EPP			2 5	21.260	.010							1.0
MORF	BZ12214	58	IAMs_20			245	23.24			2251	30.0				
GGNV	BZ12257	56	EPP			2 5	23.96-	.010							1.0
GGNV	BZ12257	56	IAMs_20			244	37.99			2870	23.7				
MESJ	BZ12277	58	EPP			2 5	25.340	.030							1.0
MESJ	BN12277	58	ESS			220	54.78-	.030							1.0
MESJ	BZ12277	58	IAMs_20			249	33.89			1905	20.4				

October 23 2020 Hour: 6:42 41.4 Lat: 36.22N Lon: 8.29W Depth: 13F Agency: IGL Regional
Magnitudes: 2.3ML 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	125	345	EP		643	0.83	-.180							1.0
MORF	HN	125	345	ES		643	15.400	.100							1.0
MORF	HE	125	345	IAML		643	17.55		48	0.2					
MESJ	HZ	180	2	EP		643	7.990	.080							1.0

October 23 2020 Hour: 8:48 39.1 Lat: 36.93N Lon: 8.41W Depth: 10F 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	47	333	EP		848	46.900	.060							1.0
MORF	HE	47	333	ES		848	52.43	-.060							1.0
MORF	HE	47	333	IAML		848	53.85		3	0.1					

October 23 2020 Hour: 16:22 15.5 Lat: 36.00N Lon: 10.43W Depth: 32F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	215	47	EP		1622	45.070	.070							1.0
MORF	HN	215	47	ES		1623	6.42	-.100							1.0
MORF	HN	215	47	IAML		1623	8.30		104	0.2					
MESJ	HZ	284	43	EP		1622	53.40	-.100							1.0
MESJ	HN	284	43	ES		1623	21.360	.140							1.0
MESJ	HN	284	43	IAML		1623	23.30		22	0.1					

October 23 2020 Hour: 16:29 56.7 Lat: 27.59S Lon: 67.30W Depth: 128F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs

CATAMARCA, ARGENTINA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9503	43	EP		1642	19.82	-.000							1.0
MESJ	BZ	9503	43	IAMB		1642	20.82		10	0.9					

October 24 2020 Hour: 11:34 18.3 Lat: 35.81N Lon: 48.91E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Mb IGL 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	5022	290	EP		1142	35.120	.020							1.0
MESJ	BZ	5022	290	IAMB		1142	36.55		55	1.5					
GGNV	BZ	5074	292	EP		1142	38.830	.030							1.0
GGNV	BZ	5074	292	IAMB		1142	40.37		150	1.2					
MORF	BZ	5075	290	EP		1142	38.91	-.040							1.0
MORF	BZ	5075	290	IAMB		1142	39.45		54	1.5					

October 24 2020 Hour: 12:16 25.7 Lat: 36.87N Lon: 5.58W Depth: 11F 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	258	295	EP		1217	2.01	-.010							1.0

October 24 2020 Hour: 17:1 11.3 Lat: 38.06N Lon: 8.31W Depth: 8F Agency: IGL Regional
Rms: 0.0 secs

W FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	26	162	EP		17	1	15.690	.020						1.0
MESJ	HE	26	162	ES		17	1	18.83	-.020						1.0

October 24 2020 Hour: 21:58 53.9 Lat: 37.33N Lon: 8.56W Depth: 13F Agency: IGL Regional
Magnitudes: 0.6ML 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	251	EP		2158	56.24	-.250							1.0
MORF	HE	9	251	ES		2158	58.52	0.140							1.0
MORF	HN	9	251	IAML		2158	59.37			29	0.1				
MESJ	HZ	64	28	EP		2159	4.400	.120							1.0
MESJ	HN	64	28	ES		2159	11.86	-.000							1.0
MESJ	HN	64	28	IAML		2159	12.52			2	0.2				

October 25 2020 Hour: 11: 4 46.1 Lat: 10.27S Lon: 161.57E Depth: 72F Agency: IGL Distant
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	BZ16814	343	EPKP			1124	31.260	.040							1.0
MORF	BZ16883	343	EPKP			1124	32.76	-.040							1.0

October 25 2020 Hour: 22:12 15.8 Lat: 36.87N Lon: 7.04W Depth: 26F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Nert: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	150	316	EP		2212	37.570	.030							1.0
MORF	HE	151	289	ES		2212	53.68	-.030							1.0
MORF	HN	151	289	IAML		2212	55.12			12	0.3				

October 26 2020 Hour: 3:49 55.9 Lat: 36.96N Lon: 5.30W Depth: 5F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	277	292	EP		350	35.360	.100							1.0
MORF	HZ	301	278	EP		350	38.17	-.100							1.0

October 26 2020 Hour: 12:15 19.8 Lat: 36.62N Lon: 4.61W Depth: 72F Agency: IGL Regional
Magnitudes: 2.4ML 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	348	294	EP		1216	5.490	.070							1.0
MESJ	HE	348	294	ES		1216	38.69	-.070							1.0
MESJ	HN	348	294	IAML		1216	41.03			9	0.2				
MORF	HZ	368	283	EP		1216	7.940	.040							1.0
MORF	HE	368	283	ES		1216	43.00	-.040							1.0
MORF	HN	368	283	IAML		1216	46.85			17	0.1				

October 27 2020 Hour: 19:27 43.9 Lat: 37.33N Lon: 8.57W Depth: 18F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.0 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	249	EP		1927	47.10	-.020							1.0
MORF	HE	8	249	ES		1927	49.460	.020							1.0
MORF	HE	8	249	IAML		1927	50.14			5	0.1				

October 27 2020 Hour: 20:48 31.5 Lat: 36.12N Lon: 6.70W Depth: 15F Agency: IGL Regional
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	218	308	EP		2049	2.720	.110							1.0
MESJ	HZ	234	325	EP		2049	4.39	-.110							1.0

October 28 2020 Hour: 9: 2 32.0 Lat: 14.93S Lon: 75.67W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

NEAR COAST OF CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9079	48	EP		914	50.310	.010							1.0
MORF	BZ	9079	48	IAmb		914	53.68			160	1.8				
MESJ	BZ	9139	48	EP		914	53.09-	.010							1.0
MESJ	BZ	9139	48	IAmb		914	57.32			79	1.8				

October 28 2020 Hour: 14:12 57.0 Lat: 14.44S Lon: 167.39E Depth:178FAgency: IGL Distant
Rms: 0.0 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	17404	351	EPKPdf		1432	29.680	.040							1.0
MESJ	BZ	17404	351	EPKPab		1432	59.710	.020							1.0
MORF	BZ	17469	352	EPKPdf		1432	30.40-	.060							1.0
MORF	BZ	17469	352	EPKPab		1433	2.28-	.000							1.0

October 28 2020 Hour: 14:53 10.8 Lat: 29.33S Lon: 71.21W Depth: 44F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.0 secs

COQUIMBO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9840	45	EP		15 5	58.32-	.040							1.0
MORF	BZ	9840	45	IAmb		15 5	59.49			21	0.9				
MESJ	BZ	9907	45	EP		15 6	1.180	.040							1.0
MESJ	BZ	9907	45	IAmb		15 6	3.38			159	2.0				

October 28 2020 Hour: 23:38 20.3 Lat: 35.84N Lon: 9.98W Depth: 13F 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	201	36	EP		2338	49.39-	.070							1.0
MORF	HN	201	36	ES		2339	10.840	.070							1.0
MORF	HN	201	36	IAML		2339	12.06			10	0.2				

October 29 2020 Hour: 7:35 34.2 Lat: 35.64N Lon: 8.91W Depth: 31F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	186	7	EP		735	59.25-	.110							1.0
MORF	HN	186	7	ES		736	17.810	.080							1.0
MORF	HN	186	7	IAML		736	19.53			47	0.2				
MESJ	HZ	252	14	EP		736	7.46-	.020							1.0
MESJ	HN	252	14	ES		736	31.820	.040							1.0
MESJ	HN	252	14	IAML		736	34.36			19	0.2				

October 29 2020 Hour: 22:33 10.8 Lat: 36.72N Lon: 7.59W Depth: 28F 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	115	305	EP		2233	27.89-	.100							1.0
MORF	HE	115	305	ES		2233	40.54-	.020							1.0
MORF	HN	115	305	IAML		2233	41.55			8	0.1				
MESJ	HZ	136	336	EP		2233	30.670	.040							1.0
MESJ	HN	136	336	ES		2233	45.220	.080							1.0
MESJ	HN	136	336	IAML		2233	46.05			6	0.1				

October 30 2020 Hour: 2:34 22.2 Lat: 20.89S Lon: 178.51W Depth:580F 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	BZ	17929	24	EP	Pdf	253	16.340	.240							1.0
MESJ	BZ	17929	24	EP	Pab	254	3.76	-.260							1.0
MORF	BZ	17962	26	EP	Pdf	253	16.680	.220							1.0
MORF	BZ	17962	26	EP	Pab	254	5.15	-.210							1.0

October 30 2020 Hour: 3:22 0.6 Lat: 38.16N Lon: 8.24W Depth: 1F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	36	177	EP		322	6.34	-.050							1.0
MESJ	HE	36	177	ES		322	10.51	-.080							1.0
MESJ	HN	36	177	IAML		322	11.02			14	0.1				
MORF	HZ	102	201	EP		322	17.170	.120							1.0
MORF	HE	102	201	ES		322	29.050	.020							1.0
MORF	HN	102	201	IAML		322	30.08			6	0.2				

October 30 2020 Hour: 4:36 29.7 Lat: 54.56N Lon: 159.66W Depth: 31F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

SOUTH OF ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9413	22	EP		449	0.320	.030							1.0
MESJ	BZ	9413	22	I Amb		449	1.83			23	1.2				
MORF	BZ	9460	23	EP		449	2.40	-.030							1.0
MORF	BZ	9460	23	I Amb		449	4.36			31	0.8				

October 30 2020 Hour: 4:41 46.6 Lat: 37.33N Lon: 8.55W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML 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		441	49.01	-.110							1.0
MORF	HE	10	253	ES		441	51.090	.110							1.0
MORF	HE	10	253	IAML		441	51.45			49	0.2				

October 30 2020 Hour: 7:15 8.0 Lat: 37.54N Lon: 9.05W Depth: 9F Agency: IGL Regional
Magnitudes: 1.0ML 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	44	127	EP		715	15.12	-.070							1.0
MORF	HE	44	127	ES		715	20.510	.040							1.0
MORF	HN	44	127	IAML		715	21.58			13	0.1				
MESJ	HZ	80	65	EP		715	21.010	.030							1.0

October 30 2020 Hour: 8:38 41.5 Lat: 10.55N Lon: 43.48W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4576	44	EP		846	25.62	-.120							1.0
MORF	BZ	4576	44	I Amb		846	29.20			56	1.2				
MORF	BE	4576	44	ES		852	39.790	.040							1.0
GGNV	BE	4623	42	ES		852	45.930	.070							1.0
MESJ	BZ	4640	43	EP		846	30.390	.010							1.0
MESJ	BZ	4640	43	I Amb		846	33.90			55	0.9				
MESJ	BE	4640	43	ES		852	48.13	-.010							1.0

October 30 2020 Hour: 10:14 59.1 Lat: 25.91S Lon: 179.32E Depth:515F 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	BZ	18523	26	EP	KPdf	1034	4.580	.060							1.0
MORF	BZ	18553	29	EP	KPdf	1034	4.72	-.060							1.0

October 30 2020 Hour: 11:51 25.6 Lat: 37.91N Lon: 26.84E Depth: 10F Agency: IGL Distant
Magnitudes: 7.1Ms IGL Rms: 0.1 secs

DODECANESE ISLANDS Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3066	281	EP		1157	12.79	-.070							1.0
MESJ	BN	3066	281	ES		12 1	55.410	.090							1.0
MESJ	BZ	3066	281	IAMs_20		1213	0.82		333000	14.6					
MORF	BZ	3116	280	EP		1157	16.79	-.100							1.0
MORF	BN	3116	280	ES		12 2	2.450	.040							1.0
MORF	BE	3116	280	IAMs_20		1211	30.70		471000	20.0					
GGNV	BZ	3129	283	EP		1157	17.83	-.010							1.0
GGNV	BE	3129	283	ES		12 2	4.140	.050							1.0
GGNV	BN	3129	283	IAMs_20		1210	39.61		578000	16.0					

October 30 2020 Hour: 15:14 56.3 Lat: 37.80N Lon: 26.80E Depth: 5F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs

DODECANESE ISLANDS Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3065	281	EP		1520	44.20	-.000							1.0
MESJ	BZ	3065	281	IAMB		1520	45.30		28	1.1					

October 30 2020 Hour: 18:24 42.9 Lat: 10.18S Lon: 75.18W Depth: 45F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs

CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8690	48	EP		1836	37.310	.050							1.0
MORF	BZ	8690	48	IAMs_20		19 5	56.34		3166	24.8					
GGNV	BZ	8711	47	EP		1836	38.20	-.020							1.0
GGNV	BZ	8711	47	IAMs_20		19 5	38.52		4678	31.3					
MESJ	BZ	8748	48	EP		1836	40.06	-.030							1.0
MESJ	BZ	8748	48	IAMs_20		19 5	57.96		3053	25.2					

October 30 2020 Hour: 20:7 49.2 Lat: 35.47N Lon: 3.76W Depth: 5F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	478	305	EP		20 8	53.360	.000							1.0
MORF	HZ	484	296	EP		20 8	54.14	-.000							1.0

October 30 2020 Hour: 22:56 47.7 Lat: 71.56N Lon: 3.34W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.0 secs

JAN MAYEN ISLAND REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3761	187	EP		23 3	30.160	.020							1.0
MESJ	BE	3761	187	ES		23 8	55.09	-.010							1.0
MESJ	BZ	3761	187	IAMs_20		2316	48.58		5417	16.1					
MORF	BZ	3822	188	EP		23 3	34.94	-.020							1.0
MORF	BZ	3822	188	IAMs_20		2316	56.01		6022	17.7					

October 30 2020 Hour: 23:46 45.8 Lat: 71.49N Lon: 3.33W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Ms IGL Rms: 0.1 secs

JAN MAYEN ISLAND REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3753	187	EP		2353	27.690	.070							1.0
MESJ	BZ	3753	187	IAMs_20		24 7	3.73		1861	16.3					
MORF	BZ	3814	188	EP		2353	32.38	-.070							1.0

**October 31 2020 Hour: 0:55 22.9 Lat: 38.21N Lon: 1.21W 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	616	268	EP		056	44.25	-.000							1.0

**October 31 2020 Hour: 5:31 30.2 Lat: 37.83N Lon: 26.81E Depth: 7F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs**

DODECANESE ISLANDS Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3065	281	EP		537	17.850	0.010							1.0
MESJ	BZ	3065	281	IAMB		537	19.00			35	1.2				

**October 31 2020 Hour: 6:20 50.4 Lat: 36.64N Lon: 8.13W Depth: 21F 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	87	328	EP		621	4.23	-.120							1.0
MORF	HE	87	328	ES		621	14.620	0.050							1.0
MORF	HN	87	328	IAML		621	16.54			3	0.1				
MESJ	HE	133	357	ES		621	25.060	0.070							1.0
MESJ	HN	133	357	IAML		621	25.52			4	0.1				

**October 31 2020 Hour: 6:56 1.5 Lat: 37.23N Lon: 9.10W Depth: 29F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs**

NW VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	41	78	EP		656	9.15	-.010							1.0
MORF	HN	41	78	ES		656	14.840	0.080							1.0
MORF	HE	41	78	IAML		656	15.56			22	0.2				
MESJ	HZ	103	49	EP		656	17.08	-.080							1.0

**October 31 2020 Hour: 18:49 10.1 Lat: 36.35N Lon: 11.39W Depth: 7F Agency: IGL Regional
Magnitudes: 1.0ML 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	266	66	EP		1849	47.990	0.030							1.0
MESJ	HZ	327	59	EP		1849	55.33	-.110							1.0
MESJ	HN	327	59	ES		1850	28.610	0.080							1.0
MESJ	HE	327	59	IAML		1850	33.87			0.60	0.1				

**October 31 2020 Hour: 21:36 34.8 Lat: 36.66N Lon: 11.16W Depth: 32F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	234	71	EP		2137	6.57	-.090							1.0
MORF	HN	234	71	ES		2137	30.010	0.070							1.0
MORF	HE	234	71	IAML		2137	32.12			61	0.2				
MESJ	HZ	292	62	EP		2137	13.58	-.180							1.0
MESJ	HN	292	62	ES		2137	42.420	0.190							1.0
MESJ	HN	292	62	IAML		2137	43.84			13	0.3				