

# Seismological Bulletin

from the

UNIVERSITY OF LISBON  
FACULTY OF SCIENCE

## IDL Seismic Network

January to February

2022

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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

**January 1 2022 Hour: 13:15 25.8 Lat: 36.62N Lon: 71.17E Depth:237F Agency: IGL Distant**  
**Magnitudes: 5.5Mb IGL Rms: 0.0 secs**

**HINDU KUSH, AFGHANISTAN Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6817	297	EP		1325	16.36	-.030							1.0
MESJ	BZ	6817	297	IAMB		1325	17.55			87	1.0				
GGNV	BZ	6848	299	EP		1325	18.24	0.030							1.0
GGNV	BZ	6848	299	IAMB		1325	19.23			119	0.9				

**January 1 2022 Hour: 21: 3 51.2 Lat: 36.33N Lon: 7.67W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 4.7ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	139	321	EP		21	4	11.80	-.140						1.0
MORF	HN	139	321	ESg		21	4	29.01	0.050						1.0
MORF	HE	139	321	IAML		21	4	31.46		14337	0.2				
MESJ	HZ	175	344	EP		21	4	16.30	0.010						1.0
MESJ	HN	175	344	ESg		21	4	38.24	0.080						1.0
MESJ	HN	175	344	IAML		21	4	43.83		5220	0.2				

**January 2 2022 Hour: 3:15 11.3 Lat: 37.08N Lon: 8.64W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 0.1ML 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	25	357	EP		315	15.23	-.080							1.0
MORF	HN	25	357	ES		315	18.33	0.080							1.0
MORF	HN	25	357	IAML		315	19.58			3	0.1				

**January 2 2022 Hour: 7: 2 14.5 Lat: 27.80N Lon: 100.74E Depth: 41F Agency: IGL Distant**  
**Magnitudes: 5.5Mb IGL Rms: 0.0 secs**

**SICHUAN-YUNNAN BORDER REGION, CHINA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9658	311	EP		714	54.77	0.000							1.0
MESJ	BZ	9658	311	IAMB		714	57.57			25	0.9				

**January 2 2022 Hour: 7:38 1.0 Lat: 35.46N Lon: 3.68W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 0.0Mb 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	484	304	EP		739	6.50	0.020							1.0
MORF	HZ	491	296	EP		739	7.29	-.030							1.0

**January 2 2022 Hour: 14:43 27.7 Lat: 37.31N Lon: 9.16W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 1.3ML 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	45	91	EP		1443	35.92	-0.05							1.0
MORF	HN	45	91	ES		1443	42.18	0.15							1.0
MORF	HE	45	91	IAML		1443	42.76			17	0.1				
MESJ	HZ	102	54	EP		1443	43.02	-0.10							1.0

**January 2 2022 Hour: 18:15 44.0 Lat: 35.44N Lon: 3.58W Depth: 22F Agency: IGL Regional**  
**Magnitudes: 0.0Mb 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	493	304	EP		1816	48.34	0.000							1.0

January 3 2022 Hour: 2: 9 44.5 Lat: 13.19S Lon: 166.82E Depth:104F Agency: IGL Distant  
Rms: 0.0 secs

**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17258	351	EP	KPdf		229	24.39	-.050							1.0
MORF	BZ17324	351	EP	KPdf		229	25.350	.050							1.0

January 3 2022 Hour: 3:24 59.0 Lat: 36.62N Lon: 7.21W Depth: 12F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.1 secs

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	162	327	EP		325	23.30	-.130							1.0
MESJ	HE	162	327	ES		325	41.370	.130							1.0
MESJ	HN	162	327	IAML		325	42.87			1	0.1				

January 3 2022 Hour: 4:43 12.7 Lat: 37.12N Lon: 8.61W Depth: 16F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.1 secs

**SW PORTIMAO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	21	350	EP		443	16.80	-.140							1.0
MORF	HE	21	350	ES		443	20.170	.140							1.0
MORF	HE	21	350	IAML		443	20.75			11	0.1				

January 3 2022 Hour: 8:48 27.1 Lat: 36.40N Lon: 9.19W Depth: 10F Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	111	25	EP		848	44.65	-.150							1.0
MORF	HE	111	25	ES		848	57.840	.150							1.0
MORF	HE	111	25	IAML		849	0.30			5	0.1				

January 3 2022 Hour: 9:46 37.0 Lat: 24.00N Lon: 122.24E Depth: 29F Agency: IGL Distant  
Magnitudes: 6.9Ms IGL Rms: 0.1 secs

**TAIWAN REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11446	322	EP	dif		10	0	31.940	.050						1.0
MESJ	BN11446	322	ES	KSac		1011	9.500	.090							1.0
MESJ	BZ11446	322	IAMs	_20		1054	18.55			30159	15.3				
MORF	BZ11515	322	EP	dif		10	0	34.56	-.130						1.0
MORF	BZ11515	322	EPP			10	4	50.78	-.020						1.0
MORF	BZ11515	322	IAMs	_20		1054	47.94			33546	16.8				

January 4 2022 Hour: 0: 2 0.8 Lat: 36.03N Lon: 10.73W Depth: 19F 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	233	52	EP		0	2	33.570	.070						1.0
MORF	HN	233	52	ES		0	2	57.460	.120						1.0
MORF	HN	233	52	IAML		0	2	58.91			5	0.1			
MESJ	HZ	301	47	EP		0	2	41.60	-.210						1.0

January 4 2022 Hour: 3:18 38.1 Lat: 35.28N Lon: 35.36W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

**NORTHERN MID-ATLANTIC RIDGE Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2356	73	EP		323	23.680	.010							1.0
GGNV	BZ	2356	73	IAMB		323	29.52			323	1.0				
MORF	BZ	2402	77	EP		323	28.270	.090							1.0
MORF	BZ	2402	77	IAMB		323	33.66			272	1.2				
MORF	BN	2402	77	ES		327	28.50	-.010							1.0
MESJ	BZ	2438	75	EP		323	31.650	.060							1.0
MESJ	BZ	2438	75	IAMB		323	42.07			574	1.7				
MESJ	BN	2438	75	ES		327	34.61	-.160							1.0

January 4 2022 Hour: 15:46 30.3 Lat: 36.46N Lon: 7.71W Depth: 6F Agency: IGL Regional  
 Magnitudes: 1.6ML IGL Rms: 0.2 secs  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	318	EP		1546	50.20	-.210							1.0
MESJ	HZ	160	344	EP		1546	55.260	.270							1.0
MESJ	HN	160	344	ES		1547	12.96	-.050							1.0
MESJ	HN	160	344	IAML		1547	13.35			6	0.2				

January 4 2022 Hour: 16:14 43.1 Lat: 36.45N Lon: 7.61W Depth: 35F 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	133	316	EP		1615	2.30	-.110							1.0
MORF	HN	133	316	ES		1615	16.39	-.100							1.0
MORF	HN	133	316	IAML		1615	17.15			8	0.1				
MESJ	HZ	163	341	EP		1615	6.200	.010							1.0
MESJ	HN	163	341	ES		1615	23.220	.200							1.0
MESJ	HN	163	341	IAML		1615	25.23			3	0.1				

January 4 2022 Hour: 18:39 32.7 Lat: 36.52N Lon: 7.61W Depth: 20F 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	127	313	EP		1839	51.86	-.230							1.0
MESJ	HZ	156	340	EP		1839	55.730	.100							1.0
MESJ	HN	156	340	ES		1840	12.510	.140							1.0
MESJ	HN	156	340	IAML		1840	13.73			11	0.1				

January 4 2022 Hour: 19:28 36.2 Lat: 38.25N Lon: 7.88W Depth: 2F Agency: IGL Regional  
 Magnitudes: 0.4ML IGL Rms: 0.0 secs  
**NW VIDIGUEIRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	55	213	EP		1928	45.000	.030							1.0
MESJ	HE	55	213	ES		1928	51.36	-.030							1.0
MESJ	HN	55	213	IAML		1928	52.75			2	0.1				

January 4 2022 Hour: 20:55 47.9 Lat: 4.80S Lon: 125.05E Depth: 556F Agency: IGL Distant  
 Rms: 0.0 secs  
**BANDA SEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14056	314	EPKP			2113	47.420	.030							1.0
MORF	BZ14116	314	EPKP			2113	48.45	-.030							1.0

January 5 2022 Hour: 2:49 43.2 Lat: 35.50N Lon: 3.57W Depth: 22F 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	490	303	EP		250	47.270	.120							1.0
MORF	HZ	498	295	EP		250	48.03	-.120							1.0

January 5 2022 Hour: 3:21 17.3 Lat: 36.07N Lon: 31.26E Depth: 66F Agency: IGL Distant  
 Magnitudes: 5.2Mb IGL Rms: 0.0 secs  
**WESTERN TURKEY Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3496	285	EP		327	32.320	.000							1.0
MESJ	BZ	3496	285	IAMB		327	48.28			50	1.2				

January 5 2022 Hour: 9:11 53.0 Lat: 35.51N Lon: 3.63W Depth: 12F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	485	304	EP		912	57.280	.000							1.0

January 5 2022 Hour: 10:19 0.8 Lat: 36.83N Lon: 3.69W Depth: 0 Agency: IGL Regional  
Rms: 0.1 secs

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	417	287	EP		1019	58.00	-.070							1.0
MORF	HZ	445	278	EP		1020	1.570	.070							1.0

January 6 2022 Hour: 1:25 6.1 Lat: 36.47N Lon: 9.65W Depth: 23F Agency: IGL Regional  
Magnitudes: 2.2ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	128	44	EP		125	25.660	.080							1.0
MORF	HN	128	44	ES		125	39.67	-.160							1.0
MORF	HN	128	44	IAML		125	40.97			67	0.1				
MESJ	HZ	198	39	EP		125	34.21	-.000							1.0
MESJ	HE	198	39	ES		125	54.840	.090							1.0
MESJ	HN	198	39	IAML		125	55.35			9	0.1				

January 6 2022 Hour: 5:18 26.7 Lat: 37.31N Lon: 8.57W Depth: 10F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.0 secs

**SW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	265	EP		518	28.75	-.030							1.0
MORF	HE	7	265	ES		518	30.320	.030							1.0
MORF	HN	7	265	IAML		518	30.94			40	0.1				

January 6 2022 Hour: 5:24 6.6 Lat: 35.45N Lon: 3.66W Depth: 15F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	486	304	EP		525	10.690	.000							1.0

January 6 2022 Hour: 16:25 6.6 Lat: 12.00N Lon: 87.12W Depth: 32F Agency: IGL Distant  
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

**NEAR COAST OF NICARAGUA Net: GFZ**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8203	54	EP		1636	37.650	.090							1.0
MORF	BZ	8203	54	IAMs_20		17	2	22.72		17744	24.1				
MESJ	BZ	8239	54	EP		1636	39.27	-.090							1.0
MESJ	BZ	8239	54	IAMs_20		17	2	21.86		14211	24.7				

January 7 2022 Hour: 4:50 21.3 Lat: 36.60N Lon: 5.02W Depth: 21F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.0 secs

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	316	297	EP		451	3.93	-.050							1.0
MESJ	HN	316	297	ES		451	35.160	.050							1.0
MESJ	HE	316	297	IAML		451	38.06			1.00	0.1				

January 7 2022 Hour: 7:11 27.7 Lat: 36.71N Lon: 7.54W Depth: 23F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	139	335	EP		711	48.620	.060							1.0
MESJ	HN	139	335	ES		712	3.70	-.060							1.0
MESJ	HN	139	335	IAML		712	6.66			3	0.1				

January 7 2022 Hour: 7:13 9.2 Lat: 37.11N Lon: 3.15W Depth: 6F Agency: IGL Regional  
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	455	282	EP		714	10.49	-.000							1.0

January 7 2022 Hour: 17:45 30.9 Lat: 37.82N Lon: 101.28E Depth: 13F Agency: IGL Distant  
Magnitudes: 7.4Ms IGL Rms: 0.0 secs

NORTHERN QINGHAI, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8959	311	EP		1757	43.210	.000							1.0
MESJ	BZ	8959	311	IAMs_20		1834	26.76			91388	11.1				

January 8 2022 Hour: 1:50 42.7 Lat: 35.03N Lon: 4.38W Depth: 7F Agency: IGL Regional  
Magnitudes: 1.8ML 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	459	305	EP		151	44.520	.110							1.0
MESJ	HZ	464	313	EP		151	44.86	-.070							1.0
MESJ	HE	464	313	ES		152	30.35	-.040							1.0
MESJ	HN	464	313	IAML		152	31.88			2	0.1				

January 8 2022 Hour: 3:24 8.6 Lat: 26.67S Lon: 71.17W Depth: 13F Agency: IGL Distant  
Magnitudes: 6.2Ms 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	9630	45	EP		336	51.590	.010							1.0
MORF	BZ	9630	45	IAMs_20		416	2.13			6246	17.2				
MESJ	BZ	9696	45	EP		336	54.41	-.010							1.0
MESJ	BZ	9696	45	IAMs_20		416	59.89			6147	11.2				

January 8 2022 Hour: 5:29 25.0 Lat: 38.37N Lon: 9.30W Depth: 6F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	112	122	EP		529	42.77	-.120							1.0
MESJ	HN	112	122	ES		529	55.980	.020							1.0
MESJ	HE	112	122	IAML		529	57.32			2	0.1				
MORF	HN	131	154	ES		530	1.280	.110							1.0
MORF	HN	131	154	IAML		530	2.35			9	0.2				

January 8 2022 Hour: 8:16 41.7 Lat: 60.48N Lon: 140.41W Depth: 28F Agency: IGL Distant  
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

SOUTHERN YUKON TERRITORY, CANADA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8272	38	EP		828	17.08	-.110							1.0
MESJ	BZ	8272	38	IAMB		828	18.21			46	1.4				
MORF	BZ	8312	38	EP		828	19.470	.110							1.0
MORF	BZ	8312	38	IAMB		828	20.62			57	0.6				

January 9 2022 Hour: 0:27 22.1 Lat: 36.77N Lon: 9.66W Depth: 22F 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	107	56	EP		027	38.75	-.100							1.0
MORF	HN	107	56	ES		027	51.170	.090							1.0
MORF	HN	107	56	IAML		027	52.74			19	0.2				
MESJ	HZ	174	47	EP		027	47.01	-.120							1.0
MESJ	HE	174	47	ES		028	5.520	.130							1.0
MESJ	HE	174	47	IAML		028	6.62			2	0.1				

**January 9 2022 Hour: 2: 5 47.0 Lat: 7.18S Lon: 152.58E Depth: 20F Agency: IGL Distant**  
**Rms: 0.0 secs**  
**NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ BZ16125 333 EPKP 225 21.94-.000 1.0

**January 9 2022 Hour: 2:15 27.0 Lat: 37.31N Lon: 8.65W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL**  
**W MONCHIQUE, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 1 201 EP 215 28.70-.140 1.0  
 MORF HE 1 201 ES 215 30.260.050 1.0  
 MORF HN 1 201 IAML 215 30.65 64 0.2  
 MESJ HZ 70 33 EP 215 38.410.100 1.0

**January 9 2022 Hour: 4: 4 27.1 Lat: 35.46N Lon: 3.61W Depth: 19F Agency: IGL Regional**  
**Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 490 304 EP 4 5 31.380.000 1.0

**January 9 2022 Hour: 9:21 5.2 Lat: 36.52N Lon: 9.81W Depth: 15F Agency: IGL Regional**  
**Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 203 43 EP 921 34.48-.000 1.0

**January 9 2022 Hour: 9:50 57.2 Lat: 38.03N Lon: 8.73W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL**  
**NW SANTIAGO DO CACEM, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 50 115 EP 951 4.99-.190 1.0  
 MESJ HE 50 115 ES 951 11.080.060 1.0  
 MESJ HN 50 115 IAML 951 12.15 17 0.2  
 MORF HZ 81 175 EP 951 10.330.110 1.0  
 MORF HE 81 175 ES 951 19.750.010 1.0  
 MORF HN 81 175 IAML 951 20.06 10 0.2

**January 9 2022 Hour: 21:43 45.5 Lat: 40.81N Lon: 21.44E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.3Mb IGL**  
**GREECE Net: CSEM**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ BZ 2566 272 EP 2148 51.36-.020 1.0  
 MESJ BZ 2566 272 IAMB 2149 1.01 104 1.1  
 MESJ BE 2566 272 ES 2153 3.560.020 1.0

**January 10 2022 Hour: 4:10 43.8 Lat: 35.47N Lon: 3.64W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 2.3ML IGL**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MESJ HZ 487 304 EP 411 48.54-.080 1.0  
 MESJ HN 487 304 ES 412 36.010.080 1.0  
 MESJ HN 487 304 IAML 412 37.77 6 0.3

**January 10 2022 Hour: 5: 2 59.1 Lat: 38.37N Lon: 8.17W Depth: 6F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL**  
**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 59 184 EP 5 3 8.820.130 1.0  
 MESJ HE 59 184 ES 5 3 15.56-.130 1.0  
 MESJ HE 59 184 IAML 5 3 15.64 4 0.1



January 10 2022 Hour: 16:59 51.4 Lat: 37.87N Lon: 8.33W Depth: 5F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.1 secs

W ALJUSTREL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	10	109	EP		1659	53.22	-.070							1.0
MESJ	HE	10	109	ES		1659	54.85	0.210							1.0
MESJ	HE	10	109	IAML		1659	55.41			43	0.1				
MORF	HZ	69	205	EP		17 0	2.53	-.060							1.0
MORF	HN	69	205	ES		17 0	10.64	-.090							1.0
MORF	HN	69	205	IAML		17 0	11.26			4	0.1				

January 10 2022 Hour: 20: 3 3.7 Lat: 25.00S Lon: 179.89E Depth:489F Agency: IGL Distant  
Rms: 0.1 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18408		26	EPKpdf		2022	11.03	0.060							1.0
MORF	BZ18438		29	EPKpdf		2022	11.19	-.060							1.0

January 11 2022 Hour: 0:48 15.6 Lat: 36.92N Lon: 8.58W Depth: 25F 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	43	351	EP		048	23.43	0.060							1.0
MORF	HN	43	351	ES		048	29.18	0.130							1.0
MORF	HN	43	351	IAML		048	30.16			12	0.1				
MESJ	HZ	107	17	EP		048	31.76	-.260							1.0
MESJ	HN	107	17	ES		048	44.08	0.070							1.0
MESJ	HN	107	17	IAML		048	44.57			1	0.1				

January 11 2022 Hour: 1: 7 48.7 Lat: 35.24N Lon: 31.93E Depth: 25F Agency: IGL Distant  
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

CYPRUS REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3580	287	EP		114	14.67	0.020							1.0
MESJ	BN	3580	287	ES		119	26.79	-.200							1.0
MESJ	BZ	3580	287	IAMs_20		132	42.90			20952	14.4				
MORF	BZ	3626	286	EP		114	18.42	0.060							1.0
MORF	BE	3626	286	IAMs_20		134	5.20			18272	18.1				
GGNV	BZ	3648	288	EP		114	20.09	0.120							1.0
GGNV	BE	3648	288	IAMs_20		137	2.11			38709	20.1				

January 11 2022 Hour: 1:22 59.9 Lat: 36.50N Lon: 7.95W Depth: 24F Agency: IGL Regional  
Magnitudes: 0.8ML 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	151	351	EP		123	21.73	-.080							1.0
MESJ	HE	151	351	ES		123	37.88	0.080							1.0
MESJ	HN	151	351	IAML		123	38.57			1	0.1				

January 11 2022 Hour: 6:14 38.0 Lat: 38.80N Lon: 8.09W Depth: 12F Agency: IGL Regional  
Magnitudes: 2.1ML IGL Rms: 0.0 secs

NW ARRADIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	107	186	EP		614	54.88	-.030							1.0
MESJ	HN	107	186	ES		615	7.30	0.030							1.0
MESJ	HN	107	186	IAML		615	8.38			42	0.1				

January 11 2022 Hour: 10:11 56.2 Lat: 37.20N Lon: 8.70W Depth: 3F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

N LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	20	EP		1011	58.01	-.230							1.0
MORF	HE	12	20	ES		1011	59.71	-.040							1.0
MORF	HN	12	20	IAML		1011	59.94		161	0.1					
MESJ	HZ	83	31	EP		1012	9.720	.200							1.0
MESJ	HN	83	31	ES		1012	19.340	.080							1.0
MESJ	HE	83	31	IAML		1012	20.36		4	0.1					

January 11 2022 Hour: 11:35 46.9 Lat: 52.66N Lon: 167.92W Depth: 22F Agency: IGL Distant  
Magnitudes: 7.0Ms IGL Rms: 0.0 secs

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9681	16	EP		1148	30.47	-.070							1.0
GGNV	BZ	9681	16	IAMs_20		1230	46.28		49669	16.4					
MESJ	BZ	9793	16	EP		1148	35.450	.040							1.0
MESJ	BZ	9793	16	IAMs_20		1228	44.15		71443	25.5					
MORF	BZ	9843	16	EP		1148	37.620	.030							1.0
MORF	BZ	9843	16	IAMs_20		1229	50.96		46827	12.8					

January 11 2022 Hour: 12:22 2.3 Lat: 35.94N Lon: 10.13W Depth: 15F Agency: IGL Regional  
Magnitudes: 2.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	201	41	EP		1222	31.24	-.010							1.0
MORF	HN	201	41	ES		1222	52.490	.090							1.0
MORF	HN	201	41	IAML		1222	53.67		15	0.1					
MESJ	HZ	271	38	EP		1222	39.83	-.090							1.0

January 11 2022 Hour: 12:53 49.8 Lat: 52.61N Lon: 168.08W Depth: 42F Agency: IGL Distant  
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9801	16	EP		13 6	35.85	-.090							1.0
MESJ	BZ	9801	16	IAMB		13 6	38.94		14	0.6					
MORF	BZ	9851	16	EP		13 6	38.220	.090							1.0
MORF	BZ	9851	16	IAMB		13 6	39.59		164	1.4					

January 12 2022 Hour: 0:55 26.6 Lat: 36.70N Lon: 9.65W Depth: 16F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	111	53	EP		055	44.190	.050							1.0
MESJ	HZ	179	45	EP		055	52.65	-.060							1.0
MESJ	HN	179	45	ES		056	11.790	.010							1.0
MESJ	HN	179	45	IAML		056	13.47		2	0.1					

January 12 2022 Hour: 1:47 48.3 Lat: 38.30N Lon: 9.27W Depth: 14F Agency: IGL Regional  
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	105	119	EP		148	4.940	.000							1.0

January 12 2022 Hour: 13:18 35.3 Lat: 35.35N Lon: 3.66W Depth: 3F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	493	305	EP		1319	41.420	.000							1.0

January 12 2022 Hour: 18:25 23.0 Lat: 35.66N Lon: 4.44W Depth: 5F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	415	307	EP		1826	19.55	-.000							1.0

January 12 2022 Hour: 23:16 30.3 Lat: 36.90N Lon: 8.62W Depth: 26F 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	45	356	EP		2316	38.23	-.100							1.0
MORF	HN	45	356	ES		2316	44.32	0.100							1.0
MORF	HN	45	356	IAML		2316	45.21			5	0.1				

January 13 2022 Hour: 0: 6 55.8 Lat: 37.12N Lon: 7.94W Depth: 18F Agency: IGL Regional  
Magnitudes: 1.5ML IGL Rms: 0.1 secs

**SW 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	67	288	EP		0 7	6.36	-.240							1.0
MORF	HN	67	288	ES		0 7	14.57	0.050							1.0
MORF	HN	67	288	IAML		0 7	16.21			29	0.1				
MESJ	HZ	84	343	EP		0 7	9.32	0.170							1.0
MESJ	HN	84	343	ES		0 7	18.96	0.030							1.0
MESJ	HN	84	343	IAML		0 7	20.38			12	0.1				

January 13 2022 Hour: 11:19 32.5 Lat: 35.44N Lon: 3.58W Depth: 18F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	493	304	EP		1120	37.24	-.000							1.0

January 14 2022 Hour: 0:11 47.8 Lat: 36.27N Lon: 9.32W Depth: 22F 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	129	27	EP		012	7.09	-.120							1.0
MORF	HN	129	27	ES		012	21.33	-.090							1.0
MORF	HE	129	27	IAML		012	25.31			101	0.2				
MESJ	HZ	200	29	EP		012	16.16	0.230							1.0

January 14 2022 Hour: 9: 5 42.6 Lat: 6.93S Lon: 105.25E Depth: 37F Agency: IGL Distant  
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

**SUNDA STRAIT, INDONESIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12548	308	EPP			925	2.62	-.070							1.0
MESJ	BN12548	308	ESS			940	43.71	0.100							1.0
MESJ	BZ12548	308	IAMs_20			1020	43.42			11379	22.5				
MORF	BZ12595	308	EPP			925	5.69	-.080							1.0
MORF	BE12595	308	IAMs_20			1018	18.99			13052	23.6				
GGNV	BZ12612	309	EPP			925	6.81	0.050							1.0
GGNV	BZ12612	309	IAMs_20			1027	24.87			11992	19.6				

January 14 2022 Hour: 11:28 36.2 Lat: 37.28N Lon: 3.36W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

**SPAIN Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	434	280	EP		1129	35.56	0.000							1.0

**January 14 2022 Hour: 16:13 2.8 Lat: 36.57N Lon: 71.50E Depth:103F Agency: IGL Distant**  
**Magnitudes: 5.1ML IGL Rms: 0.0 secs**  
**HINDU KUSH REGION, AFGHANISTAN Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6846	298	EP		1623	9.250	.000							1.0
MESJ	BZ	6846	298	IAMB		1623	9.61			21	1.1				
MESJ	BN	6846	298	ES		1631	23.74	-.000							1.0

**January 14 2022 Hour: 18:28 13.5 Lat: 35.92N Lon: 10.20W Depth: 27F Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	207	42	EP		1828	42.300	.080							1.0
MORF	HN	207	42	ES		1829	3.00	-.190							1.0
MORF	HN	207	42	IAML		1829	4.38			17	0.2				
MESJ	HZ	277	39	EP		1828	50.890	.030							1.0
MESJ	HN	277	39	ES		1829	18.240	.090							1.0
MESJ	HN	277	39	IAML		1829	20.95			6	0.2				

**January 15 2022 Hour: 3: 4 45.8 Lat: 36.75N Lon: 7.46W Depth: 22F 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	123	300	EP		3 5	4.430	.020							1.0
MORF	HN	123	300	ES		3 5	18.080	.070							1.0
MORF	HN	123	300	IAML		3 5	19.15			11	0.1				
MESJ	HZ	138	331	EP		3 5	6.360	.020							1.0
MESJ	HE	138	331	ES		3 5	21.23	-.110							1.0
MESJ	HN	138	331	IAML		3 5	21.68			5	0.2				

**January 15 2022 Hour: 8: 9 18.4 Lat: 36.91N Lon: 13.59W Depth: 54F Agency: IGL Regional**  
**Magnitudes: 2.3ML IGL Rms: 0.1 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	441	83	EP		810	13.810	.190							1.0
MORF	HN	441	83	ES		810	53.92	-.000							1.0
MORF	HN	441	83	IAML		810	55.03			6	0.2				
MESJ	HZ	487	76	EP		810	18.95	-.200							1.0

**January 15 2022 Hour: 16: 9 38.6 Lat: 35.39N Lon: 3.61W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 2.3ML 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	494	305	EP		1610	43.28	-.000							1.0

**January 15 2022 Hour: 22: 5 8.7 Lat: 36.59N Lon: 8.07W Depth: 17F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	95	327	EP		22 5	23.75	-.050							1.0
MESJ	HN	139	355	ES		22 5	45.270	.050							1.0
MESJ	HN	139	355	IAML		22 5	45.85			4	0.2				

**January 16 2022 Hour: 6:26 40.4 Lat: 37.36N Lon: 8.74W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 0.6ML 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	10	129	EP		626	41.95	-.110							1.0
MORF	HN	10	129	ES		626	43.340	.090							1.0
MORF	HE	10	129	IAML		626	43.56			101	0.2				
MESJ	HZ	70	41	EP		626	51.970	.210							1.0
MESJ	HN	70	41	ES		626	59.85	-.190							1.0
MESJ	HN	70	41	IAML		627	0.92			1.00	0.1				

January 16 2022 Hour: 11:48 5.4 Lat: 39.96N Lon: 24.34E Depth: 10F Agency: IGL Distant  
Magnitudes: 5.6Mb 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	2819	276	EP		1153	32.39	-.180							1.0
MESJ	BZ	2819	276	IAMB		1153	36.55			322	2.5				
MESJ	BN	2819	276	ES		1157	59.89	-.060							1.0
MORF	BZ	2871	275	EP		1153	36.950	.020							1.0
MORF	BZ	2871	275	IAMB		1153	39.78			299	2.5				
MORF	BE	2871	275	ES		1158	7.37	-.190							1.0

January 16 2022 Hour: 12:52 10.6 Lat: 6.45S Lon: 154.82E Depth: 408F Agency: IGL Distant  
Rms: 0.1 secs

BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16114	338	EPKP			1311	0.190	.140							1.0
MESJ	BZ16159	336	EPKP			1311	1.61	-.040							1.0
MORF	BZ16229	336	EPKP			1311	2.60	-.090							1.0

January 16 2022 Hour: 22:29 46.1 Lat: 37.16N Lon: 8.57W Depth: 18F Agency: IGL Regional  
Magnitudes: 0.3ML 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	18	335	EP		2229	50.240	.060							1.0
MORF	HN	18	335	ES		2229	53.07	-.060							1.0
MORF	HN	18	335	IAML		2229	54.04			6	0.1				

January 16 2022 Hour: 22:42 56.4 Lat: 35.90N Lon: 10.66W Depth: 15F Agency: IGL Regional  
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	238	48	EP		2243	29.910	.000							1.0

January 17 2022 Hour: 3:30 26.7 Lat: 36.82N Lon: 8.33W Depth: 19F 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	61	332	EP		330	36.820	.100							1.0
MORF	HN	61	332	ES		330	44.140	.090							1.0
MORF	HN	61	332	IAML		330	45.56			3	0.1				
MESJ	HZ	114	5	EP		330	44.20	-.200							1.0

January 17 2022 Hour: 8:38 27.7 Lat: 36.47N Lon: 7.72W 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
MORF	HZ	124	318	EP		838	46.66	-.040							1.0
MESJ	HZ	158	344	EP		838	50.920	.040							1.0

January 17 2022 Hour: 15:4 45.5 Lat: 44.79N Lon: 95.13E Depth: 10F Agency: IGL Distant  
Magnitudes: 5.7Mb IGL Rms: 0.1 secs

MONGOLIA-CHINA BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8071	306	EP		1516	13.280	.060							1.0
MESJ	BZ	8071	306	IAMB		1516	15.15			48	0.9				
MORF	BZ	8139	306	EP		1516	16.89	-.060							1.0
MORF	BZ	8139	306	IAMB		1516	18.33			114	1.5				

January 18 2022 Hour: 0:40 40.7 Lat: 36.70N Lon: 11.33W Depth: 30F Agency: IGL Regional  
Magnitudes: 1.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	248	73	EP		041	14.420	.150							1.0
MORF	HN	248	73	ES		041	38.65-	.150							1.0
MORF	HN	248	73	IAML		041	40.10			3	0.2				

January 18 2022 Hour: 2:36 37.3 Lat: 36.40N Lon: 5.78W Depth: 57F 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	269	307	EP		237	13.26-	.080							1.0
MESJ	HN	269	307	ES		237	39.700	.040							1.0
MESJ	HN	269	307	IAML		237	41.47			18	0.2				
MORF	HZ	275	292	EP		237	13.97-	.100							1.0
MORF	HN	275	292	ES		237	41.080	.140							1.0
MORF	HN	275	292	IAML		237	43.04			32	0.2				

January 18 2022 Hour: 3:38 26.6 Lat: 36.67N Lon: 11.50W Depth: 34F 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	263	74	EP		339	2.120	.070							1.0
MORF	HN	263	74	ES		339	27.86-	.070							1.0
MORF	HN	263	74	IAML		339	29.08			2	0.1				

January 18 2022 Hour: 10:28 14.1 Lat: 35.30N Lon: 11.26W Depth: 31F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	323	46	EP		1028	56.26-	.010							1.0
MORF	HN	323	46	ES		1029	27.240	.190							1.0
MORF	HE	323	46	IAML		1029	28.66			4	0.2				
MESJ	HZ	392	43	EP		1029	4.50-	.200							1.0

January 19 2022 Hour: 9: 6 47.8 Lat: 37.35N Lon: 9.10W Depth: 30F Agency: IGL Regional  
Magnitudes: 1.2ML 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	40	97	EP		9 6	55.33-	.130							1.0
MORF	HE	40	97	ES		9 7	1.200	.130							1.0
MORF	HN	40	97	IAML		9 7	1.67			14	0.2				

January 19 2022 Hour: 17:29 53.4 Lat: 36.56N Lon: 9.74W Depth: 13F 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
MESJ	HZ	196	43	EP		1730	21.920	.050							1.0
MESJ	HN	196	43	ES		1730	42.61-	.050							1.0
MESJ	HN	196	43	IAML		1730	44.28			1	0.1				

January 19 2022 Hour: 18: 1 39.5 Lat: 35.67N Lon: 12.22W Depth: 15F 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	367	59	EP		18 2	29.240	.080							1.0
MESJ	HZ	431	55	EP		18 2	36.990	.060							1.0
MESJ	HE	431	55	ES		18 3	18.70-	.140							1.0
MESJ	HN	431	55	IAML		18 3	20.24			2	0.1				

January 19 2022 Hour: 19:23 39.3 Lat: 36.21N Lon: 7.69W Depth: 11F Agency: IGL Regional  
Magnitudes: 2.1ML IGL Rms: 0.1 secs

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	149	325	EP		1924	1.91	-.210							1.0
MORF	HN	149	325	ES		1924	18.830	.030							1.0
MORF	HN	149	325	IAML		1924	23.42			47	0.2				
MESJ	HZ	187	346	EP		1924	7.010	.190							1.0
MESJ	HE	187	346	ES		1924	26.92	-.010							1.0
MESJ	HN	187	346	IAML		1924	34.52			9	0.2				

January 19 2022 Hour: 20:24 21.3 Lat: 37.22N Lon: 8.59W Depth: 18F Agency: IGL Regional  
Magnitudes: 0.7ML 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	329	EP		2024	24.67	-.080							1.0
MORF	HN	11	329	ES		2024	27.310	.080							1.0
MORF	HE	11	329	IAML		2024	27.61			17	0.2				

January 20 2022 Hour: 0:1 4.9 Lat: 35.52N Lon: 6.82W Depth: 41F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs

**STRAIT OF GIBRAITAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	257	321	ES		0 2	5.170	.070							1.0
MORF	HE	257	321	IAML		0 2	5.95			2	0.1				
MESJ	HZ	286	334	EP		0 1	43.17	-.090							1.0
MESJ	HN	286	334	ES		0 2	11.250	.010							1.0
MESJ	HN	286	334	IAML		0 2	12.42			0.90	0.1				

January 20 2022 Hour: 1:20 51.5 Lat: 37.32N Lon: 8.64W Depth: 14F Agency: IGL Regional  
Magnitudes: 0.3ML IGL Rms: 0.0 secs

**W MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	2	213	EP		120	53.81	-.020							1.0
MORF	HE	2	213	ES		120	55.570	.020							1.0
MORF	HE	2	213	IAML		120	56.11			13	0.1				

January 20 2022 Hour: 6:57 45.1 Lat: 37.36N Lon: 8.46W Depth: 11F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.0 secs

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	18	250	EP		657	48.54	-.010							1.0
MORF	HN	18	250	ES		657	51.100	.010							1.0
MORF	HN	18	250	IAML		657	51.45			14	0.2				

January 20 2022 Hour: 9:54 30.0 Lat: 35.46N Lon: 3.64W Depth: 9F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	487	304	EP		955	34.85	-.000							1.0

January 20 2022 Hour: 11:17 48.7 Lat: 35.59N Lon: 9.63W Depth: 28F 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	209	24	EP		1118	17.700	.030							1.0
MORF	HE	209	24	ES		1118	38.72	-.120							1.0
MORF	HN	209	24	IAML		1118	40.50			7	0.1				
MESJ	HZ	280	26	EP		1118	26.460	.100							1.0

January 21 2022 Hour: 10:12 32.0 Lat: 23.08N Lon: 93.82E Depth: 59F Agency: IGL Distant  
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

MYANMAR-INDIA BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9465	309	EP		1025	1.690	.070							1.0
MESJ	BZ	9465	309	IAMB		1025	3.35			151	1.5				
MORF	BZ	9525	309	EP		1025	4.30	-.070							1.0
MORF	BZ	9525	309	IAMB		1025	5.57			41	0.8				

January 21 2022 Hour: 16: 8 36.8 Lat: 32.77N Lon: 131.86E Depth: 39F Agency: IGL Distant  
Magnitudes: 6.8Ms IGL Rms: 0.1 secs

KYUSHU, JAPAN Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BN11141	330	ESKSac			1632	53.960	.200							1.0
GGNV	BZ11141	330	IAMS_20			17 8	9.81			25723	18.8				
MESJ	BZ11179	329	EPdif			1622	20.000	.180							1.0
MESJ	BZ11179	329	EPP			1626	26.62	-.250							1.0
MESJ	BE11179	329	ESKSac			1632	55.37	-.090							1.0
MESJ	BZ11179	329	IAMS_20			1714	44.71			25249	14.3				
MORF	BZ11249	329	EPdif			1622	22.780	.080							1.0
MORF	BZ11249	329	EPP			1626	31.730	.010							1.0
MORF	BN11249	329	ESKSac			1632	58.51	-.120							1.0
MORF	BZ11249	329	IAMS_20			1712	11.19			26525	20.0				

January 21 2022 Hour: 20:43 46.6 Lat: 7.61N Lon: 126.57E Depth: 111F Agency: IGL Distant  
Magnitudes: 5.6Ms IGL Rms: 0.0 secs

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13158	320	EPKpdf			21 2	20.450	.050							1.0
MESJ	BZ13158	320	IAMS_20			2211	30.29			1679	24.6				
MORF	BZ13224	320	EPKpdf			21 2	21.55	-.050							1.0
MORF	BZ13224	320	IAMS_20			2211	36.55			1661	24.6				

January 21 2022 Hour: 22: 1 9.5 Lat: 34.10N Lon: 3.77W Depth: 2F Agency: IGL Regional  
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	577	317	EP		22 2	26.000	.000							1.0

January 22 2022 Hour: 2:26 13.7 Lat: 3.70N Lon: 126.67E Depth: 24F Agency: IGL Distant  
Magnitudes: 6.1Ms IGL Rms: 0.1 secs

KEPULAUAN TALAUD, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13495	319	EP			245	4.32	-.040							1.0
MESJ	BZ13495	319	EPP			246	35.010	.060							1.0
MESJ	BZ13495	319	IAMS_20			344	31.01			4742	20.0				
GGNV	BZ13506	320	EPP			246	35.60	-.000							1.0
GGNV	BZ13506	320	IAMS_20			342	46.45			3539	21.2				
MORF	BZ13560	319	EP			245	5.45	-.080							1.0
MORF	BZ13560	319	EPP			246	39.050	.060							1.0
MORF	BZ13560	319	IAMS_20			344	38.89			4856	25.1				

January 22 2022 Hour: 5:17 6.4 Lat: 53.32N Lon: 166.75W Depth: 43F Agency: IGL Distant  
Magnitudes: 6.4Ms IGL Rms: 0.1 secs

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9587	17	EP		529	43.07	-.020							1.0
GGNV	BZ	9587	17	EPP		533	4.69	-.060							1.0
GGNV	BZ	9587	17	IAMS_20		6 7	58.05			14663	19.4				
MESJ	BZ	9700	17	EP		529	47.94	-.140							1.0
MESJ	BZ	9700	17	EPP		533	13.200	.210							1.0
MESJ	BZ	9700	17	IAMS_20		6 9	57.26			18573	21.2				
MORF	BZ	9749	17	EP		529	50.400	.140							1.0



MORF BZ 9749 17 EPP 533 16.49-.120 1.0  
MORF BZ 9749 17 IAMS\_20 6 9 4.01 18729 30.4

**January 22 2022 Hour: 21:115.1 Lat: 36.44N Lon: 7.42W Depth: 7F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	171	336	EP		21 1	41.02	-.080							1.0
MESJ	HN	171	336	ES		21 2	0.140	.080							1.0
MESJ	HN	171	336	IAML		21 2	3.23			1	0.2				

**January 22 2022 Hour: 21:44 12.3 Lat: 37.32N Lon: 8.57W Depth: 9F Agency: IGL Regional  
Magnitudes: 0.3ML 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	257	EP		2144	14.21	-.080							1.0
MORF	HE	8	257	ES		2144	15.800	.080							1.0
MORF	HE	8	257	IAML		2144	16.07			16	0.1				

**January 23 2022 Hour: 13:12 7.9 Lat: 35.50N Lon: 3.67W Depth: 7F Agency: IGL Regional  
Magnitudes: 2.6ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	483	304	EP		1313	12.31	-.070							1.0
MESJ	HN	483	304	ES		1313	59.550	.070							1.0
MESJ	HN	483	304	IAML		1314	1.68			11	0.3				

**January 23 2022 Hour: 13:15 33.9 Lat: 35.60N Lon: 4.59W Depth: 82F Agency: IGL Regional  
Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	409	309	EP		1316	26.61	-.000							1.0

**January 23 2022 Hour: 16:31 48.7 Lat: 35.39N Lon: 3.61W Depth: 23F Agency: IGL Regional  
Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	494	305	EP		1632	53.32	-.000							1.0

**January 23 2022 Hour: 22:10 16.7 Lat: 36.47N Lon: 9.84W Depth: 27F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	141	48	EP		2210	37.14	-.060							1.0
MORF	HN	141	48	ES		2210	52.310	.130							1.0
MORF	HN	141	48	IAML		2210	53.19			6	0.2				
MESJ	HZ	209	43	EP		2210	45.61	-.090							1.0
MESJ	HN	209	43	ES		2211	6.900	.020							1.0
MESJ	HE	209	43	IAML		2211	8.72			0.90	0.1				

**January 24 2022 Hour: 0:39 55.3 Lat: 36.74N Lon: 7.46W 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	123	301	EP		040	13.61	-.160							1.0
MORF	HN	123	301	ES		040	27.14	-.070							1.0
MORF	HN	123	301	IAML		040	28.32			7	0.1				
MESJ	HZ	139	331	EP		040	15.860	.120							1.0
MESJ	HN	139	331	ES		040	30.740	.110							1.0
MESJ	HE	139	331	IAML		040	32.25			0.80	0.1				

January 24 2022 Hour: 7:11 40.0 Lat: 33.10N Lon: 4.15W Depth: 21F 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	621	320	EP		712	59.93	-.020							1.0
MESJ	HZ	643	326	EP		713	2.560	.020							1.0

January 24 2022 Hour: 13:16 25.2 Lat: 18.54N Lon: 73.30W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.9Mb IGL Rms: 0.1 secs

**HAITI REGION Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6569	57	EP		1326	25.39	-.060							1.0
MORF	BZ	6569	57	IAMB		1326	31.01			176	1.7				
MESJ	BZ	6606	57	EP		1326	27.810	.060							1.0
MESJ	BZ	6606	57	IAMB		1326	33.64			102	1.1				

January 24 2022 Hour: 14: 6 43.3 Lat: 18.50N Lon: 73.30W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.6Mb IGL Rms: 0.0 secs

**HAITI REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6571	57	EP		1416	43.690	.040							1.0
MORF	BZ	6571	57	IAMB		1416	48.70			89	1.7				
MESJ	BZ	6609	57	EP		1416	45.91	-.040							1.0
MESJ	BZ	6609	57	IAMB		1416	52.46			50	0.9				

January 25 2022 Hour: 1:24 34.0 Lat: 55.39S Lon: 28.79W Depth: 11F Agency: IGL Distant  
Magnitudes: 5.9Ms IGL Rms: 0.0 secs

**SOUTH SANDWICH ISLANDS REGION Nert: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10431	16	EP			137	50.630	.010							1.0
MORF	BZ10431	16	IAMS_20			219	55.16			3681	14.9				
MESJ	BZ10497	16	EP			137	53.26	-.000							1.0
MESJ	BN10497	16	ESKSac			148	29.340	.070							1.0
MESJ	BZ10497	16	IAMS_20			214	22.35			4560	28.8				
GGNV	BZ10576	15	EP			137	56.39	-.070							1.0
GGNV	BN10576	15	IAMS_20			215	0.82			5090	22.9				

January 25 2022 Hour: 4: 1 30.4 Lat: 37.29N Lon: 8.52W Depth: 1 Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.2 secs

**SE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	278	EP		4	32.09	-.230							1.0
MORF	HE	12	278	ES		4	33.970	.220							1.0
MORF	HE	12	278	IAML		4	34.60			63	0.1				
MESJ	HZ	67	23	EP		4	41.09	-.020							1.0
MESJ	HE	67	23	ES		4	48.970	.030							1.0
MESJ	HN	67	23	IAML		4	51.34			2	0.1				

January 25 2022 Hour: 5:53 17.0 Lat: 36.51N Lon: 9.67W Depth: 17F Agency: IGL Regional  
Magnitudes: 2.0ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	46	EP		553	36.38	-.130							1.0
MORF	HN	126	46	ES		553	50.850	.080							1.0
MORF	HN	126	46	IAML		553	51.64			38	0.1				
MESJ	HZ	196	41	EP		553	44.99	-.110							1.0
MESJ	HN	196	41	ES		554	5.800	.170							1.0
MESJ	HN	196	41	IAML		554	6.78			8	0.1				

January 25 2022 Hour: 6:21 13.1 Lat: 36.99N Lon: 8.87W Depth: 28F 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	40	29	EP		621	20.620	.000							1.0
MORF	HN	40	29	ES		621	26.280	.160							1.0
MORF	HN	40	29	IAML		621	26.66			8	0.1				
MESJ	HZ	110	31	EP		621	29.49	-.260							1.0
MESJ	HN	110	31	ES		621	42.000	.080							1.0
MESJ	HE	110	31	IAML		621	43.53			2	0.2				

January 25 2022 Hour: 7:32 1.5 Lat: 36.05N Lon: 8.53W 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	140	356	EP		732	22.32	-.130							1.0
MORF	HE	140	356	ES		732	37.57	-.140							1.0
MORF	HN	140	356	IAML		732	38.67			9	0.1				
MESJ	HZ	201	8	EP		732	30.090	.110							1.0
MESJ	HN	201	8	ES		732	50.920	.180							1.0
MESJ	HN	201	8	IAML		732	52.01			5	0.1				

January 25 2022 Hour: 11:35 43.0 Lat: 37.35N Lon: 8.47W Depth: 5F Agency: IGL Regional  
Magnitudes: 1.7ML 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	17	253	EP		1135	45.61	-.240							1.0
MORF	HE	17	253	ES		1135	48.060	.110							1.0
MORF	HE	17	253	IAML		1135	48.36			542	0.2				
MESJ	HZ	59	22	EP		1135	52.640	.180							1.0
MESJ	HN	59	22	ES		1135	59.35	-.050							1.0
MESJ	HN	59	22	IAML		1136	2.75			15	0.2				

January 25 2022 Hour: 11:36 50.2 Lat: 37.33N Lon: 8.49W Depth: 11F Agency: IGL Regional  
Magnitudes: 1.1ML 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	259	EP		1136	53.11	-.090							1.0
MORF	HN	15	259	ES		1136	55.490	.090							1.0
MORF	HN	15	259	IAML		1136	55.70			51	0.2				

January 25 2022 Hour: 16:59 42.4 Lat: 36.56N Lon: 8.41W Depth: 11F 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	85	345	EP		1659	55.90	-.170							1.0
MORF	HN	85	345	ES		17	0	6.260	.200						1.0
MORF	HN	85	345	IAML		17	0	9.98		191	0.3				
MESJ	HZ	143	7	EP		17	0	4.45	-.030						1.0

January 25 2022 Hour: 18:50 57.2 Lat: 18.55N Lon: 72.68W Depth: 8F Agency: IGL Distant  
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

HAITI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6551	57	EP		19	0	56.55	-.000						1.0
MESJ	BZ	6551	57	IAMB		19	0	59.05		16	1.1				

January 26 2022 Hour: 0:25 22.6 Lat: 37.31N Lon: 8.54W Depth: 13F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.0 secs

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	266	EP		025	25.25	-.020							1.0
MORF	HE	10	266	ES		025	27.260	.020							1.0
MORF	HN	10	266	IAML		025	27.37			38	0.2				

January 26 2022 Hour: 2: 6 10.9 Lat: 7.28S Lon: 27.97E Depth: 10F Agency: IGL Distant  
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

DEMOCRATIC REPUBLIC OF THE CONGO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6236	325	EP		215	50.130	.030							1.0
MORF	BZ	6236	325	IAMB		215	51.35			19	0.9				
MESJ	BZ	6250	326	EP		215	50.96	-.030							1.0

January 26 2022 Hour: 14: 8 54.8 Lat: 35.42N Lon: 3.63W Depth: 26F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	491	305	EP		14	9	58.61	-.000						1.0
MESJ	HN	491	305	ES		1410	45.190	.000							1.0

January 26 2022 Hour: 16:44 59.3 Lat: 38.59N Lon: 7.73W Depth: 11F Agency: IGL Regional  
Magnitudes: 1.9ML IGL Rms: 0.1 secs

E EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	94	207	EPg		1645	14.48	-.030							1.0
MESJ	HN	94	207	ES		1645	25.03	-.080							1.0
MESJ	HN	94	207	IAML		1645	26.82			33	0.1				
MORF	HZ	164	210	EP		1645	24.160	.120							1.0

January 26 2022 Hour: 18:44 58.1 Lat: 37.12N Lon: 9.17W Depth: 30F 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	50	66	EP		1845	6.87	-.160							1.0
MORF	HN	50	66	ES		1845	13.740	.160							1.0
MORF	HE	50	66	IAML		1845	14.19			3	0.1				

January 26 2022 Hour: 20:34 36.2 Lat: 36.90N Lon: 10.16W Depth: 7F 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	141	71	EP		2034	58.43	-.120							1.0
MORF	HE	141	71	ES		2035	15.010	.160							1.0
MORF	HN	141	71	IAML		2035	16.19			10	0.1				
MESJ	HZ	201	58	EP		2035	5.78	-.150							1.0
MESJ	HN	201	58	ES		2035	27.720	.100							1.0
MESJ	HE	201	58	IAML		2035	28.92			2	0.1				

January 26 2022 Hour: 21:37 41.9 Lat: 36.17N Lon: 8.56W Depth: 28F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	356	EP		2138	0.37	-.170							1.0
MORF	HE	126	356	ES		2138	14.03	-.120							1.0
MORF	HN	126	356	IAML		2138	14.83			6	0.2				
MESJ	HZ	188	9	EP		2138	8.260	.110							1.0
MESJ	HN	188	9	ES		2138	27.520	.190							1.0
MESJ	HN	188	9	IAML		2138	28.24			2	0.1				

January 27 2022 Hour: 4: 7 33.1 Lat: 37.30N Lon: 8.55W Depth: 17F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.2 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	273	EP		4	7	35.88	-	.340					1.0
MORF	HE	9	273	ES		4	7	38.64	0.130						1.0
MORF	HE	9	273	IAML		4	7	39.24			19	0.1			
MESJ	HZ	67	26	EP		4	7	43.95	0.050						1.0
MESJ	HN	67	26	ES		4	7	51.97	0.170						1.0
MESJ	HN	67	26	IAML		4	7	53.48			4	0.1			

January 27 2022 Hour: 13:57 43.1 Lat: 42.59N Lon: 9.42W Depth: 15F Agency: IGL Regional  
Magnitudes: 3.0ML IGL Rms: 0.2 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	537	169	EP		1358		53.29	-	.170					1.0
MESJ	HN	537	169	ES		1359		44.83	0.030						1.0
MESJ	HN	537	169	IAML		1359		48.33			13	0.4			
MORF	HZ	590	173	EP		1359		0.200	.250						1.0
MORF	HN	590	173	ES		1359		55.91	-	.110					1.0
MORF	HN	590	173	IAML		1359		58.83			43	0.3			

January 27 2022 Hour: 14:44 9.1 Lat: 42.59N Lon: 9.42W Depth: 11F Agency: IGL Regional  
Magnitudes: 3.8ML IGL Rms: 0.1 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	431	177	ES		1445		48.98	-	.100					1.0
GGNV	HN	431	177	IAML		1446		15.73			632	0.7			
MESJ	HZ	537	169	EP		1445		19.79	-	.040					0.9
MESJ	HN	537	169	ES		1446		11.55	0.100						0.9
MESJ	HN	537	169	IAML		1446		12.72			79	0.7			
MORF	HZ	590	173	EP		1445		26.39	0.070						0.9
MORF	HN	590	173	ES		1446		22.65	-	.020					0.9
MORF	HN	590	173	IAML		1446		25.43			109	0.3			

January 27 2022 Hour: 22:43 11.3 Lat: 35.45N Lon: 3.61W Depth: 20F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	490	304	EP		2244		15.48	-	.030					1.0
MORF	HZ	497	296	EP		2244		16.41	0.030						1.0

January 28 2022 Hour: 0:31 25.5 Lat: 19.13S Lon: 69.36W Depth: 93F Agency: IGL Distant  
Magnitudes: 5.3Mb 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	8911	45	EP		043		25.05	-	.170					1.0
MORF	BZ	8911	45	IAMB		043		26.70			83	1.1			
MORF	BE	8911	45	ES		053		22.69	0.000						1.0
MESJ	BZ	8976	45	EP		043		28.35	0.080						1.0
MESJ	BZ	8976	45	IAMB		043		30.03			28	0.9			
MESJ	BE	8976	45	ES		053		28.71	0.080						1.0

January 28 2022 Hour: 11:14 11.3 Lat: 5.38N Lon: 82.75W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.6Ms IGL Rms: 0.1 secs

SOUTH OF PANAMA Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8250	53	EP		1125		48.14	0.040						1.0
MORF	BE	8250	53	ES		1135		22.15	0.090						1.0
MORF	BZ	8250	53	IAMS_20		1151		33.25			3993	27.1			
MESJ	BZ	8294	52	EP		1125		50.19	-	.150					1.0
MESJ	BN	8294	52	ES		1135		26.39	0.020						1.0
MESJ	BZ	8294	52	IAMS_20		1149		55.24			4603	27.4			

January 29 2022 Hour: 0:33 52.0 Lat: 37.10N Lon: 8.05W Depth: 11F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.1 secs

SW LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	58	293	ES		034	8.570	.030							1.0
MORF	HE	58	293	IAML		034	9.29			4	0.1				
MESJ	HZ	83	350	EP		034	5.26	-.120							1.0
MESJ	HN	83	350	ES		034	15.230	.090							1.0
MESJ	HE	83	350	IAML		034	15.72			1	0.1				

January 29 2022 Hour: 2:46 40.4 Lat: 29.53S Lon: 176.75W Depth: 10F Agency: IGL Distant  
Magnitudes: 6.8Ms IGL Rms: 0.1 secs

KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18492	45	EPKP			3 6	45.06	-.110							1.0
GGNV	BZ18492	45	IAMs_20			429	45.89			11950	17.3				
MESJ	BZ18616	46	EPKP			3 6	46.130	.070							1.0
MESJ	BZ18616	46	IAMs_20			422	30.37			14566	23.2				
MORF	BZ18620	49	EPKP			3 6	46.180	.040							1.0
MORF	BZ18620	49	IAMs_20			422	39.00			16346	18.9				

January 29 2022 Hour: 13:9 22.6 Lat: 37.37N Lon: 8.46W Depth: 14F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	19	247	EP		13 9	26.330	.010							1.0
MORF	HE	19	247	ES		13 9	29.07	-.010							1.0
MORF	HN	19	247	IAML		13 9	29.86			38	0.2				

January 29 2022 Hour: 16:54 50.6 Lat: 38.84N Lon: 8.93W Depth: 0 Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.0 secs

NE ALCOCHETE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	127	151	EP		1655	11.200	.030							1.0
MESJ	HN	127	151	ES		1655	26.11	-.030							1.0
MESJ	HE	127	151	IAML		1655	28.30			5	0.2				

January 30 2022 Hour: 5:56 24.9 Lat: 38.72N Lon: 8.29W Depth: 1F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NW MONTEMOR-O-NOVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	98	176	EP		556	40.790	.080							1.0
MESJ	HE	98	176	ES		556	52.16	-.080							1.0
MESJ	HE	98	176	IAML		556	53.57			3	0.1				

January 30 2022 Hour: 10:38 33.8 Lat: 37.20N Lon: 8.57W Depth: 11F Agency: IGL Regional  
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	328	EP		1038	36.58	-.100							1.0
MORF	HN	14	328	ES		1038	38.890	.100							1.0
MORF	HN	14	328	IAML		1038	39.28			15	0.1				

January 30 2022 Hour: 17:26 14.6 Lat: 36.51N Lon: 9.88W Depth: 10F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	140	51	EP		1726	36.29	-.200							1.0
MORF	HE	140	51	ES		1726	52.670	.180							1.0
MORF	HN	140	51	IAML		1726	53.26			4	0.1				
MESJ	HN	209	44	ES		1727	7.090	.020							1.0
MESJ	HE	209	44	IAML		1727	9.02			1	0.1				

January 31 2022 Hour: 3:54 37.2 Lat: 37.06N Lon: 5.33W Depth: 6F Agency: IGL Regional  
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	270	290	EP		355	15.57	-.000							1.0

January 31 2022 Hour: 4:59 40.2 Lat: 38.33N Lon: 9.36W Depth: 30F Agency: IGL Regional  
Magnitudes: 1.7ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	47	23	EP		459	48.720	.030							1.0
GGNV	HE	47	23	ES		459	54.970	.100							1.0
GGNV	HN	47	23	IAML		459	56.21			60	0.1				
MESJ	HZ	114	118	EP		459	57.11	-.070							1.0
MESJ	HN	114	118	ES		5 0	9.600	.040							1.0
MESJ	HN	114	118	IAML		5 0	10.60			6	0.1				
MORF	HZ	130	151	EP		459	59.10	-.090							1.0
MORF	HN	130	151	ES		5 0	13.00	-.030							1.0
MORF	HE	130	151	IAML		5 0	14.28			15	0.2				

January 31 2022 Hour: 6: 3 12.7 Lat: 36.36N Lon: 7.65W Depth: 15F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	172	343	EP		6 3	38.00	-.000							1.0

January 31 2022 Hour: 11:56 35.9 Lat: 14.45N Lon: 56.37E Depth: 10F Agency: IGL Distant  
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

OWEN FRACTURE ZONE REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6820	305	EP		12 6	51.490	.000							1.0
MESJ	BZ	6820	305	IAMB		12 6	51.99			16	0.8				

January 31 2022 Hour: 12:14 36.0 Lat: 29.53S Lon: 176.79W Depth: 10F Agency: IGL Distant  
Magnitudes: 6.0Ms IGL Rms: 0.0 secs

KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18619	46	EPKP			1234	41.70	-.010							1.0
MESJ	BZ18619	46	IAMs_20			1354	35.47			2169	19.3				
MORF	BZ18623	49	EPKP			1234	41.810	.010							1.0
MORF	BZ18623	49	IAMs_20			1353	19.68			2568	24.6				

January 31 2022 Hour: 12:38 15.3 Lat: 14.38N Lon: 56.38E Depth: 10F Agency: IGL Distant  
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

OWEN FRACTURE ZONE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6825	305	EP		1248	31.28	-.000							1.0
MESJ	BZ	6825	305	IAMB		1248	33.99			16	1.0				

January 31 2022 Hour: 12:42 18.9 Lat: 14.45N Lon: 56.37E Depth: 10F Agency: IGL Distant  
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

OWEN FRACTURE ZONE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6820	305	EP		1252	34.550	.000							1.0
MESJ	BZ	6820	305	IAMB		1252	36.33			8	1.1				

January 31 2022 Hour: 17:10 20.8 Lat: 36.85N Lon: 97.80W Depth: 9F Agency: IGL Distant  
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

OKLAHOMA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7596	58	EP		1721	22.470	.000							1.0
MESJ	BZ	7596	58	IAMB		1721	23.44			8	0.7				

February 1 2022 Hour: 4:17 14.9 Lat: 38.93N Lon: 8.85W Depth: 4F Agency: IGL Regional  
Magnitudes: 2.4ML IGL Rms: 0.0 secs

SW BEANAVENTE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	35	228	EP		417	20.51	-.060							1.0
GGNV	HE	35	228	ES		417	24.770	.030							1.0
GGNV	HN	35	228	IAML		417	26.66			622	0.4				
MESJ	HZ	133	155	EP		417	36.140	.010							1.0
MESJ	HE	133	155	ES		417	51.730	.070							1.0
MESJ	HE	133	155	IAML		417	53.87			35	0.2				
MORF	HZ	181	174	EP		417	42.42	-.050							0.9

February 1 2022 Hour: 13:37 44.5 Lat: 38.30N Lon: 7.92W Depth: 5F Agency: IGL Regional  
Magnitudes: 0.8ML IGL Rms: 0.0 secs

NE ALVITO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	58	207	EP		1337	53.840	.050							1.0
MESJ	HN	58	207	ES		1338	0.54	-.050							1.0
MESJ	HN	58	207	IAML		1338	1.00			5	0.1				

February 1 2022 Hour: 19:25 11.8 Lat: 7.47S Lon: 128.34E Depth:134F 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	BZ14522	314	EPKpdf			1944	6.09	-.050							1.0
MESJ	BZ14522	314	EPP			1946	22.280	.070							1.0
GGNV	BZ14550	316	EPP			1946	23.75	-.060							1.0
MORF	BZ14583	314	EPKpdf			1944	7.300	.080							1.0
MORF	BZ14583	314	EPP			1946	25.74	-.040							1.0

February 2 2022 Hour: 1: 3 17.2 Lat: 37.35N Lon: 8.72W Depth: 7F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.0 secs

NE ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	130	EP		1 3	18.98	-.020							1.0
MORF	HN	8	130	ES		1 3	20.310	.020							1.0
MORF	HN	8	130	IAML		1 3	20.44			37	0.1				

February 2 2022 Hour: 11: 6 0.1 Lat: 34.60N Lon: 5.62W Depth: 19F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	429	328	EP		11 6	56.78	-.120							1.0
MESJ	HN	429	328	ES		11 7	38.490	.120							1.0
MESJ	HE	429	328	IAML		11 7	41.50			2	0.2				

February 2 2022 Hour: 19:23 2.5 Lat: 32.23S Lon: 179.05W Depth: 68F Agency: IGL Distant  
Rms: 0.1 secs

SOUTH OF KERMADEC ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ18975	55	EPKpdf			1943	2.09	-.110							1.0
MESJ	BZ18976	51	EPKpdf			1943	2.270	.110							1.0

February 2 2022 Hour: 21: 3 49.1 Lat: 35.03N Lon: 31.84E Depth: 30F Agency: IGL Distant  
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

CYPRUS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3579	287	EP		2110	14.370	.040							1.0
MESJ	BZ	3579	287	IAmb		2110	19.23			9	0.7				
MESJ	BN	3579	287	ES		2115	26.09	-.040							1.0



**February 3 2022 Hour: 4: 5 54.1 Lat: 46.94N Lon: 27.24W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 4.6Mb IGL Rms: 0.1 secs**

**NORTHERN MID-ATLANTIC RIDGE Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1732	115	EP		4 9	33.79	-.110							1.0
GGNV	BZ	1732	115	IAMB		4 9	35.18			53	0.8				
MESJ	BZ	1856	116	EP		4 9	48.42	0.160							1.0
MESJ	BZ	1856	116	IAMB		4 9	50.85			28	0.8				
MORF	BZ	1865	118	EP		4 9	49.26	-.040							1.0
MORF	BZ	1865	118	IAMB		4 9	51.08			40	0.9				

**February 3 2022 Hour: 15: 0 57.3 Lat: 38.19N Lon: 9.14W Depth: 22F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.1 secs**

**S SESIMBRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	90	115	EP		15 1	11.75	0.140							1.0
MESJ	HE	90	115	ES		15 1	21.81	-.210							1.0
MESJ	HN	90	115	IAML		15 1	23.53			3	0.1				
MORF	HZ	107	156	EP		15 1	14.18	0.110							1.0
MORF	HN	107	156	ES		15 1	26.23	-.040							1.0
MORF	HN	107	156	IAML		15 1	27.65			6	0.1				

**February 3 2022 Hour: 15:58 56.5 Lat: 4.46S Lon: 76.94W Depth: 100F Agency: IGL Distant**  
**Magnitudes: 6.3Mb IGL Rms: 0.1 secs**

**NORTHERN PERU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8423	50	EP		1610	31.21	0.080							1.0
MORF	BZ	8423	50	IAMB		1610	44.06			494	1.0				
MORF	BN	8423	50	ES		1620	5.26	0.120							1.0
GGNV	BZ	8429	48	EP		1610	31.22	-.100							1.0
GGNV	BZ	8429	48	IAMB		1610	33.94			1305	1.9				
MESJ	BZ	8477	49	EP		1610	33.81	-.030							1.0
MESJ	BZ	8477	49	IAMB		1610	35.97			515	1.8				
MESJ	BE	8477	49	ES		1620	10.30	-.070							1.0

**February 3 2022 Hour: 21:36 1.0 Lat: 36.88N Lon: 8.28W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	58	325	EP		2136	10.34	-.090							1.0
MORF	HE	58	325	ES		2136	17.26	-.060							1.0
MORF	HN	58	325	IAML		2136	18.61			6	0.2				
MESJ	HN	107	3	ES		2136	30.46	0.160							1.0
MESJ	HN	107	3	IAML		2136	32.27			3	0.2				

**February 4 2022 Hour: 6:13 34.8 Lat: 36.68N Lon: 6.97W Depth: 32F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	170	320	EP		613	58.72	0.030							1.0
MESJ	HE	170	320	ES		614	16.07	-.030							1.0
MESJ	HN	170	320	IAML		614	17.41			3	0.2				

**February 4 2022 Hour: 6:37 11.3 Lat: 37.29N Lon: 8.55W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.1 secs**

**SE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	280	EP		637	13.33	-.260							1.0
MORF	HN	9	280	ES		637	15.34	0.100							1.0
MORF	HE	9	280	IAML		637	15.87			89	0.1				
MESJ	HZ	68	25	EP		637	22.48	0.130							1.0
MESJ	HE	68	25	ES		637	30.43	0.030							1.0
MESJ	HN	68	25	IAML		637	33.20			6	0.1				

**February 4 2022 Hour: 10:31 24.9 Lat: 35.24N Lon: 11.55W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	347	48	EP		1032	13.34	-.050							1.0
MORF	HN	347	48	ES		1032	48.80	-.000							1.0
MORF	HE	347	48	IAML		1032	51.02			5	0.1				
MESJ	HZ	415	45	EP		1032	21.870	.050							1.0

**February 4 2022 Hour: 19:36 53.0 Lat: 36.66N Lon: 7.32W Depth: 32F 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	139	301	EP		1937	12.85	-.150							1.0
MORF	HE	139	301	ES		1937	27.56	-.030							1.0
MORF	HN	139	301	IAML		1937	29.18			14	0.1				
MESJ	HZ	153	329	EP		1937	15.030	.230							1.0
MESJ	HE	153	329	ES		1937	30.66	-.050							1.0
MESJ	HE	153	329	IAML		1937	32.41			4	0.1				

**February 4 2022 Hour: 21:24 4.2 Lat: 8.43N Lon: 83.12W Depth: 24F Agency: IGL Distant**  
**Magnitudes: 5.1Mb IGL Rms: 0.1 secs**  
**COSTA RICA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8081	54	EP		2135	29.870	.090							1.0
MORF	BZ	8081	54	IAMB		2135	30.87			26	1.0				
MESJ	BZ	8122	53	EP		2135	31.83	-.090							1.0
MESJ	BZ	8122	53	IAMB		2135	33.26			19	1.3				

**February 4 2022 Hour: 23:44 51.9 Lat: 37.32N Lon: 8.53W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 0.6ML IGL Rms: 0.0 secs**  
**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	261	EP		2344	54.19	-.040							1.0
MORF	HN	11	261	ES		2344	55.990	.040							1.0
MORF	HN	11	261	IAML		2344	56.48			28	0.1				

**February 5 2022 Hour: 4:16 0.1 Lat: 36.45N Lon: 71.12E Depth: 209F Agency: IGL Distant**  
**Magnitudes: 5.6Mb IGL Rms: 0.1 secs**  
**HINDU KUSH REGION, AFGHANISTAN Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6822	298	EP		425	53.950	.080							1.0
MESJ	BZ	6822	298	IAMB		425	55.29			148	1.2				
GGNV	BZ	6853	299	EP		425	55.68	-.040							1.0
GGNV	BZ	6853	299	IAMB		425	58.06			190	1.2				
MORF	BZ	6882	297	EP		425	57.52	-.030							1.0
MORF	BZ	6882	297	IAMB		425	59.76			107	1.4				

**February 5 2022 Hour: 13:7 37.7 Lat: 36.57N Lon: 9.77W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	50	EP		13 7	57.750	.110							1.0
MORF	HE	129	50	ES		13 8	12.12	-.110							1.0
MORF	HN	129	50	IAML		13 8	12.91			5	0.1				

**February 5 2022 Hour: 19:2 26.1 Lat: 35.30N Lon: 3.63W Depth: 33F Agency: IGL Regional**  
**Magnitudes: 1.3ML 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	498	306	EP		19 3	30.350	.000							1.0

**February 5 2022 Hour: 22: 5 54.4 Lat: 36.36N Lon: 9.74W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	143	42	EP		22	6	16.00	-.130						1.0
MORF	HN	143	42	ES		22	6	32.190	.190						1.0
MORF	HN	143	42	IAML		22	6	34.10		7	0.2				
MESJ	HZ	213	39	EP		22	6	24.65	-.130						1.0
MESJ	HN	213	39	ES		22	6	47.030	.070						1.0
MESJ	HN	213	39	IAML		22	6	48.41		1.00	0.1				

**February 6 2022 Hour: 2: 5 35.9 Lat: 36.60N Lon: 7.56W Depth: 16F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	309	EP		2	5	55.350	.000						1.0
MESJ	HZ	150	337	EP		2	5	58.410	.030						1.0
MESJ	HN	150	337	ES		2	6	14.74	-.030						1.0
MESJ	HN	150	337	IAML		2	6	14.97		0.90	0.1				

**February 6 2022 Hour: 2:10 22.2 Lat: 36.88N Lon: 7.52W Depth: 28F Agency: IGL Regional  
Magnitudes: 0.8ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	111	295	ES		210	51.280	.030							1.0
MORF	HN	111	295	IAML		210	51.68			4	0.1				
MESJ	HZ	123	330	EP		210	40.41	-.050							1.0
MESJ	HE	123	330	ES		210	53.800	.020							1.0
MESJ	HE	123	330	IAML		210	54.37			1.00	0.1				

**February 6 2022 Hour: 6:17 6.1 Lat: 35.47N Lon: 3.66W Depth: 3F Agency: IGL Regional  
Magnitudes: 3.4ML IGL Rms: 0.1 secs**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	485	304	EP		618	11.320	.020							1.0
MESJ	HE	485	304	ES		618	58.87	-.040							1.0
MESJ	HN	485	304	IAML		619	1.33			61	0.2				
MORF	HZ	492	296	EP		618	12.06	-.090							1.0
MORF	HN	492	296	ES		619	0.510	.120							1.0
MORF	HN	492	296	IAML		619	6.25			82	0.3				

**February 6 2022 Hour: 6:20 11.1 Lat: 35.44N Lon: 3.68W Depth: 8F Agency: IGL Regional  
Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	492	296	EP		621	16.65	-.000							1.0

**February 6 2022 Hour: 7:13 19.1 Lat: 10.65N Lon: 73.31W Depth: 73F Agency: IGL Distant  
Magnitudes: 5.2Mb IGL Rms: 0.0 secs**

**NORTHERN COLOMBIA Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7112	53	EP		723	44.370	.000							1.0
MESJ	BZ	7112	53	IAMB		723	46.35			21	0.7				

**February 6 2022 Hour: 8:15 23.4 Lat: 35.48N Lon: 3.69W Depth: 1F Agency: IGL Regional  
Rms: 0.0 secs**

**STRAIT OF GIBRALTAR net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	482	304	EP		816	28.47	-.000							1.0

February 6 2022 Hour: 9:40 9.4 Lat: 35.48N Lon: 3.65W Depth: 7F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	485	304	EP		941	14.170	.000							1.0

February 6 2022 Hour: 9:59 40.2 Lat: 35.41N Lon: 3.69W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	486	305	EP		10 0	45.86	-.040							1.0
MORF	HZ	492	297	EP		10 0	46.690	.040							1.0

February 6 2022 Hour: 10:6 51.1 Lat: 35.44N Lon: 3.68W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	485	305	EP		10 7	56.62	-.000							1.0

February 6 2022 Hour: 14:31 59.8 Lat: 35.90N Lon: 7.57W Depth: 36F Agency: IGL Regional  
Magnitudes: 1.4ML IGL  
Rms: 0.2 secs

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	183	328	EP		1432	25.08	-.260							1.0
MORF	HE	183	328	ES		1432	44.140	.130							1.0
MORF	HN	183	328	IAML		1432	44.64			6	0.1				
MESJ	HZ	223	345	EP		1432	30.400	.200							1.0
MESJ	HN	223	345	ES		1432	52.36	-.060							1.0
MESJ	HN	223	345	IAML		1432	53.78			2	0.1				

February 6 2022 Hour: 14:33 28.6 Lat: 36.37N Lon: 9.14W Depth: 22F Agency: IGL Regional  
Magnitudes: 1.9ML IGL  
Rms: 0.1 secs

**WEST OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	23	EP		1433	46.040	.090							1.0
MORF	HE	112	23	ES		1433	58.52	-.090							1.0
MORF	HN	112	23	IAML		1433	59.70			24	0.3				

February 6 2022 Hour: 14:54 15.9 Lat: 35.43N Lon: 3.68W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	486	305	EP		1455	21.550	.000							1.0

February 6 2022 Hour: 17:7 14.5 Lat: 35.45N Lon: 3.67W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	486	304	EP		17 8	20.14	-.000							1.0

February 6 2022 Hour: 17:43 54.1 Lat: 35.48N Lon: 3.66W Depth: 1 Agency: IGL Regional  
Magnitudes: 2.5ML 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
MESJ	HZ	485	304	EP		1744	59.610	.110							1.0
MESJ	HN	485	304	ES		1745	47.17	-.040							1.0
MESJ	HN	485	304	IAML		1745	50.34			9	0.3				
MORF	HZ	492	296	EP		1745	0.31	-.070							1.0

**February 6 2022 Hour: 19:30 35.2 Lat: 35.39N Lon: 3.64W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.5ML 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
MESJ	HZ	491	305	EP		1931	41.550	.080							1.0
MESJ	HN	491	305	ES		1932	29.950	.080							1.0
MESJ	HN	491	305	IAML		1932	31.74			8	0.3				
MORF	HZ	497	297	EP		1931	42.06	-.160							1.0

**February 6 2022 Hour: 19:50 26.5 Lat: 36.52N Lon: 8.99W Depth: 15F 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	92	19	EP		1950	41.05	-.150							1.0
MORF	HN	92	19	ES		1950	52.050	.150							1.0
MORF	HN	92	19	IAML		1950	53.69			19	0.2				

**February 6 2022 Hour: 20:58 55.2 Lat: 37.02N Lon: 8.13W Depth: 18F 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	56	304	EP		2059	4.47	-.040							1.0
MESJ	HE	91	355	ES		2059	20.430	.040							1.0
MESJ	HE	91	355	IAML		2059	22.02			1	0.1				

**February 6 2022 Hour: 22:17 3.9 Lat: 35.40N Lon: 3.61W Depth: 23F Agency: IGL Regional**  
**Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	493	305	EP		2218	8.350	.000							1.0

**February 6 2022 Hour: 23:46 31.8 Lat: 22.19S Lon: 68.65W Depth: 103F Agency: IGL Distant**  
**Magnitudes: 5.1Mb IGL Rms: 0.1 secs**

**ANTOFAGASTA, CHILE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9099	44	EP		2358	39.550	.100							1.0
MORF	BZ	9099	44	IAMB		2358	42.78			61	1.6				
MESJ	BZ	9165	44	EP		2358	42.38	-.100							1.0
MESJ	BZ	9165	44	IAMB		2358	45.19			25	1.1				

**February 6 2022 Hour: 23:57 41.7 Lat: 35.41N Lon: 3.61W Depth: 26F Agency: IGL Regional**  
**Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	493	305	EP		2358	45.740	.000							1.0

**February 7 2022 Hour: 0:13 37.6 Lat: 37.30N Lon: 8.56W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.0 secs**

**SW MONCHIQUÉ, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	273	EP		013	39.990	.010							1.0
MORF	HE	8	273	ES		013	41.73	-.010							1.0
MORF	HE	8	273	IAML		013	42.12			22	0.1				

**February 7 2022 Hour: 3:15 56.6 Lat: 37.38N Lon: 8.44W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.1 secs**

**NE MONCHIQUÉ, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	21	246	EP		3	1	59.72	-.210						1.0
MORF	HE	21	246	ES		3	2	2.450	.080						1.0
MORF	HE	21	246	IAML		3	2	2.85		22	0.3				
MESJ	HE	55	21	ES		3	2	11.950	.130						1.0
MESJ	HN	55	21	IAML		3	2	13.50		1	0.1				

February 7 2022 Hour: 3:25 23.5 Lat: 36.92N Lon: 8.64W Depth: 27F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	358	EP		325	31.420	.120							1.0
MORF	HN	43	358	ES		325	36.89	-.120							1.0
MORF	HE	43	358	IAML		325	37.29			8	0.2				

February 7 2022 Hour: 15:36 0.8 Lat: 36.93N Lon: 10.91W Depth: 27F Agency: IGL Regional  
Magnitudes: 2.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	205	78	EP		1536	29.25	-.040							1.0
MORF	HN	205	78	ES		1536	50.100	.010							1.0
MORF	HE	205	78	IAML		1536	50.44			21	0.1				
MESJ	HZ	259	66	EP		1536	35.86	-.080							1.0
MESJ	HE	259	66	ES		1537	1.710	.110							1.0
MESJ	HE	259	66	IAML		1537	3.00			8	0.1				

February 7 2022 Hour: 16:49 30.0 Lat: 35.45N Lon: 3.75W Depth: 14F 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	480	305	EP		1650	33.480	.050							1.0
MORF	HZ	486	296	EP		1650	34.13	-.060							1.0

February 7 2022 Hour: 22:33 49.5 Lat: 35.44N Lon: 3.79W Depth: 11F 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	477	305	EP		2234	52.97	-.000							1.0

February 8 2022 Hour: 7:35 5.3 Lat: 35.44N Lon: 3.81W Depth: 11F 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	476	305	EP		736	8.51	-.000							1.0

February 8 2022 Hour: 11:59 27.0 Lat: 0.47S Lon: 19.83W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.7Ms 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	4340	14	EP		12 6	53.49	-.170							1.0
MORF	BZ	4340	14	EPP		12 8	22.820	.100							1.0
MORF	BE	4340	14	ES		1212	53.740	.130							1.0
MORF	BN	4340	14	IAMs_20		1219	34.91			15528	28.8				
MESJ	BZ	4408	14	EP		12 6	58.56	-.180							1.0
MESJ	BZ	4408	14	EPP		12 8	29.420	.030							1.0
MESJ	BN	4408	14	ES		1213	2.780	.030							1.0
MESJ	BZ	4408	14	IAMs_20		1218	38.49			19573	42.3				
GGNV	BZ	4476	13	EPP		12 8	36.130	.060							1.0
GGNV	BZ	4476	13	IAMs_20		1224	24.51			14843	18.8				

February 8 2022 Hour: 15:18 2.4 Lat: 35.52N Lon: 3.78W Depth: 4F 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	473	304	EP		1519	6.060	.010							1.0
MORF	HZ	480	296	EP		1519	6.90	-.010							1.0

February 8 2022 Hour: 18:55 55.8 Lat: 35.52N Lon: 3.85W Depth: 2F 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	468	305	EP		1856	59.010	.000							1.0

February 9 2022 Hour: 0:22 56.4 Lat: 36.58N Lon: 7.42W Depth: 19F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	136	307	EP		023	16.92	-.070							1.0
MESJ	HZ	157	333	EP		023	19.48	-.050							1.0
MESJ	HN	157	333	ES		023	36.500	.110							1.0
MESJ	HN	157	333	IAML		023	38.13			3	0.1				

February 9 2022 Hour: 4:37 32.3 Lat: 35.41N Lon: 3.62W Depth: 12F Agency: IGL Regional  
Magnitudes: 2.4ML IGL Rms: 0.1 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	492	305	EP		438	37.380	.000							1.0
MESJ	HE	492	305	ES		439	25.020	.120							1.0
MESJ	HE	492	305	IAML		439	27.88			8	0.2				
MORF	HZ	498	296	EP		438	38.05	-.130							1.0

February 9 2022 Hour: 12:47 14.5 Lat: 35.50N Lon: 3.67W Depth: 13F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	483	304	EP		1248	18.43	-.000							1.0

February 9 2022 Hour: 13:43 16.5 Lat: 38.12N Lon: 9.26W Depth: 21F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs

**SW SESIMBRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HE	97	108	ES		1343	42.910	.010							1.0
MESJ	HE	97	108	IAML		1343	44.29			2	0.2				
MORF	HZ	105	149	EP		1343	32.82	-.160							1.0
MORF	HN	105	149	ES		1343	45.200	.150							1.0
MORF	HN	105	149	IAML		1343	46.30			8	0.2				

February 9 2022 Hour: 15:55 34.6 Lat: 36.39N Lon: 8.99W Depth: 0 Agency: IGL Regional  
Magnitudes: 2.2ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	106	16	EP		1555	51.790	.100							1.0
MORF	HN	106	16	ES		1556	4.06	-.100							1.0
MORF	HE	106	16	IAML		1556	7.28			53	0.3				

February 9 2022 Hour: 15:56 52.5 Lat: 36.33N Lon: 9.03W Depth: 12F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.0 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	17	EP		1557	10.36	-.020							1.0
MORF	HN	113	17	ES		1557	23.37	-.040							1.0
MORF	HN	113	17	IAML		1557	25.19			36	0.3				
MESJ	HN	182	23	ES		1557	39.090	.060							1.0
MESJ	HN	182	23	IAML		1557	45.96			4	0.2				

February 9 2022 Hour: 18:30 30.1 Lat: 36.21N Lon: 6.95W Depth: 31F 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	195	309	EP		1830	56.14	-.140							1.0
MESJ	HZ	213	328	EP		1830	58.700	.140							1.0

February 9 2022 Hour: 21:29 2.9 Lat: 37.16N Lon: 8.57W Depth: 17F Agency: IGL Regional  
Magnitudes: 0.3ML 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	18	335	EP		2129	6.73	-.080							1.0
MORF	HE	18	335	ES		2129	9.770	.080							1.0
MORF	HN	18	335	IAML		2129	10.02			6	0.1				

February 11 2022 Hour: 5:35 44.8 Lat: 37.77N Lon: 8.71W Depth: 11F Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.1 secs

**NW ODEMIRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	44	80	EP		535	52.01	-.040							1.0
MESJ	HE	44	80	ES		535	57.470	.090							1.0
MESJ	HN	44	80	IAML		535	58.41			16	0.1				
MORF	HZ	52	174	EP		535	53.27	-.060							1.0
MORF	HE	52	174	ES		535	59.610	.010							1.0
MORF	HE	52	174	IAML		536	0.17			31	0.1				

February 11 2022 Hour: 7:53 17.4 Lat: 36.33N Lon: 9.02W Depth: 10F Agency: IGL Regional  
Magnitudes: 4.1ML IGL Rms: 0.2 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	17	EP		753	35.25	-.060							1.0
MORF	HE	113	17	ES		753	48.660	.260							1.0
MORF	HE	113	17	IAML		753	51.01			5256	0.3				
MESJ	HZ	182	23	EP		753	44.16	-.270							1.0
MESJ	HN	182	23	ES		754	4.230	.050							1.0
MESJ	HN	182	23	IAML		754	16.35			907	0.7				
GGNV	HN	265	358	ES		754	22.020	.010							0.9
GGNV	HE	265	358	IAML		754	24.67			1726	0.4				

February 11 2022 Hour: 8:9 42.0 Lat: 36.41N Lon: 9.01W Depth: 5F 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	104	18	EP		89	58.65	-.160							1.0
MORF	HN	104	18	ES		810	11.260	.160							1.0
MORF	HN	104	18	IAML		810	13.23			23	0.1				

February 11 2022 Hour: 8:17 48.9 Lat: 36.36N Lon: 9.15W Depth: 15F 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	114	23	EP		818	6.910	.090							1.0
MORF	HE	114	23	ES		818	19.84	-.090							1.0
MORF	HE	114	23	IAML		818	21.65			8	0.2				

February 11 2022 Hour: 8:22 27.9 Lat: 36.36N Lon: 8.99W Depth: 13F 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	109	16	EP		822	45.180	.030							1.0
MORF	HN	109	16	ES		822	57.68	-.030							1.0
MORF	HE	109	16	IAML		823	1.16			28	0.2				



February 11 2022 Hour: 10:44 13.2 Lat: 36.08N Lon: 10.36W Depth: 40F Agency: IGL Regional  
Magnitudes: 2.3ML IGL Rms: 0.0 secs

**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	204	48	EP		1044	41.450	.030							1.0
MORF	HN	204	48	ES		1045	1.92-	.080							1.0
MORF	HN	204	48	IAML		1045	3.96		53	0.2					
MESJ	HZ	273	44	EP		1044	49.910	.020							1.0
MESJ	HE	273	44	ES		1045	16.690	.030							1.0
MESJ	HE	273	44	IAML		1045	18.10		8	0.1					

February 11 2022 Hour: 12:46 35.8 Lat: 36.33N Lon: 9.00W Depth: 11F Agency: IGL Regional  
Magnitudes: 3.8ML 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	112	16	EP		1246	53.710	.080							1.0
MORF	HN	112	16	ES		1247	6.620	.000							1.0
MORF	HE	112	16	IAML		1247	9.18		2821	0.3					
MESJ	HZ	181	22	EP		1247	2.60-	.090							1.0
MESJ	HN	181	22	ES		1247	22.26-	.040							1.0
MESJ	HN	181	22	IAML		1247	33.89		496	0.5					
GGNV	HE	265	357	ES		1247	40.350	.050							0.9
GGNV	HE	265	357	IAML		1247	43.28		543	0.3					

February 11 2022 Hour: 13:04 41.3 Lat: 36.30N Lon: 9.05W Depth: 12F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.0 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	18	EP		13 0	59.70-	.000							1.0
MORF	HE	117	18	ES		13 1	13.150	.000							1.0
MORF	HE	117	18	IAML		13 1	14.53		16	0.1					

February 11 2022 Hour: 14:10 53.7 Lat: 36.40N Lon: 9.00W Depth: 6F 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	105	17	EP		1411	10.56-	.070							1.0
MORF	HE	105	17	ES		1411	23.070	.070							1.0
MORF	HE	105	17	IAML		1411	25.09		14	0.2					

February 11 2022 Hour: 18:12 13.9 Lat: 37.42N Lon: 8.52W Depth: 17F Agency: IGL Regional  
Magnitudes: 0.2ML 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	17	223	EP		1812	17.910	.050							1.0
MORF	HN	17	223	ES		1812	20.900	.180							1.0
MORF	HN	17	223	IAML		1812	22.05		5	0.1					
MESJ	HZ	54	30	EP		1812	22.79-	.030							1.0
MESJ	HN	54	30	ES		1812	29.08-	.220							1.0
MESJ	HE	54	30	IAML		1812	29.41		1	0.1					

February 11 2022 Hour: 19:11 20.3 Lat: 36.37N Lon: 9.07W Depth: 13F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	110	20	EP		1911	37.840	.130							1.0
MORF	HE	110	20	ES		1911	50.27-	.130							1.0
MORF	HN	110	20	IAML		1911	52.69		18	0.2					

February 12 2022 Hour: 14:27 58.2 Lat: 0.39S Lon: 19.71W 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	4396	14	EP		1435	29.040	.000							1.0
MESJ	BZ	4396	14	IAMB		1435	32.26			47	1.2				

February 12 2022 Hour: 17:20 15.4 Lat: 36.90N Lon: 12.63W Depth: 10F 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	356	82	EP		1720	59.92	-.030							1.0
MORF	HN	356	82	ES		1721	32.480	.010							1.0
MORF	HN	356	82	IAML		1721	36.97			4	0.1				
MESJ	HZ	404	74	EP		1721	5.810	.030							1.0

February 12 2022 Hour: 20:48 54.2 Lat: 0.50S Lon: 19.99W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.4Mb 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	4347	14	EP		2056	21.580	.090							1.0
MORF	BZ	4347	14	IAMB		2056	23.42			151	1.5				
MORF	BE	4347	14	ES		21 2	21.900	.010							1.0
MESJ	BZ	4416	15	EP		2056	26.37	-.200							1.0
MESJ	BZ	4416	15	IAMB		2056	29.17			70	0.8				
MESJ	BN	4416	15	ES		21 2	31.130	.090							1.0

February 12 2022 Hour: 22:22 2.5 Lat: 36.88N Lon: 7.37W Depth: 13F Agency: IGL Regional  
Magnitudes: 0.8ML 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	123	293	EP		2222	21.79	-.140							1.0
MORF	HN	123	293	ES		2222	36.280	.200							1.0
MORF	HN	123	293	IAML		2222	37.45			3	0.1				
MESJ	HZ	130	325	EP		2222	22.85	-.030							1.0
MESJ	HN	130	325	ES		2222	37.71	-.030							1.0
MESJ	HN	130	325	IAML		2222	39.22			0.80	0.1				

February 12 2022 Hour: 22:52 40.5 Lat: 37.34N Lon: 8.53W Depth: 11F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	250	EP		2252	43.110	.000							1.0
MORF	HE	12	250	ES		2252	45.03	-.000							1.0
MORF	HE	12	250	IAML		2252	45.40			22	0.1				

February 12 2022 Hour: 22:49 44.7 Lat: 5.66S Lon: 154.50E Depth: 94F 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
MORF	BZ	16135	336	EPKP		23 9	10.23	-.010							1.0

February 13 2022 Hour: 5:4 22.9 Lat: 36.58N Lon: 7.28W Depth: 30F 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	146	304	EP		5 4	43.91	-.050							1.0
MORF	HN	146	304	ES		5 4	59.310	.000							1.0
MORF	HN	146	304	IAML		5 5	0.68			22	0.1				
MESJ	HZ	163	329	EP		5 4	46.160	.190							1.0
MESJ	HN	163	329	ES		5 5	2.65	-.140							1.0
MESJ	HN	163	329	IAML		5 5	3.81			7	0.1				

February 13 2022 Hour: 5:16 15.0 Lat: 35.44N Lon: 3.62W Depth: 16F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	490	304	EP		517	19.510	.020							1.0
MORF	HZ	497	296	EP		517	20.31	-.020							1.0

February 13 2022 Hour: 6:11 20.7 Lat: 37.76N Lon: 9.53W Depth: 4F Agency: IGL Regional  
Magnitudes: 1.0ML 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	93	123	EP		611	35.43	-.210							1.0
MORF	HE	93	123	ES		611	46.560	.010							1.0
MORF	HE	93	123	IAML		611	47.93			5	0.2				
MESJ	HZ	116	85	EP		611	39.440	.100							1.0
MESJ	HN	116	85	ES		611	53.070	.110							1.0
MESJ	HN	116	85	IAML		611	54.17			2	0.1				

February 13 2022 Hour: 16:48 7.5 Lat: 37.70N Lon: 7.64W Depth: 13F Agency: IGL Regional  
Magnitudes: 0.1ML IGL Rms: 0.0 secs

**NE MERTOLA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	53	287	EP		1648	16.26	-.030							1.0
MESJ	HN	53	287	ES		1648	22.730	.030							1.0
MESJ	HE	53	287	IAML		1648	23.69			1	0.1				

February 13 2022 Hour: 20:29 45.6 Lat: 11.79N Lon: 144.30E Depth: 10F Agency: IGL Distant  
Rms: 0.0 secs

**SOUTH OF MARIANA ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13799	335	EPP			2050	27.670	.040							1.0
MESJ	BZ13837	334	EPKpdf			2048	44.49	-.020							1.0
MESJ	BZ13837	334	EPP			2050	30.000	.010							1.0
MORF	BZ13908	334	EPP			2050	34.27	-.030							1.0

February 13 2022 Hour: 21:24 24.7 Lat: 37.33N Lon: 8.57W Depth: 13F 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		2124	27.08	-.120							1.0
MORF	HN	8	249	ES		2124	29.150	.120							1.0
MORF	HN	8	249	IAML		2124	29.67			35	0.1				

February 14 2022 Hour: 5:46 56.9 Lat: 38.10N Lon: 9.68W Depth: 1 Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs

**SW SESIMBRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	127	134	EP		547	17.360	.080							1.0
MESJ	HZ	132	102	EP		547	17.97	-.080							1.0
MESJ	HN	132	102	ES		547	33.510	.000							1.0
MESJ	HN	132	102	IAML		547	35.35			4	0.1				

February 14 2022 Hour: 10:19 59.6 Lat: 36.65N Lon: 9.74W Depth: 17F Agency: IGL Regional  
Magnitudes: 1.7ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	53	EP		1020	18.35	-.090							1.0
MORF	HN	121	53	ES		1020	32.260	.050							1.0
MORF	HN	121	53	IAML		1020	32.93			19	0.1				
MESJ	HZ	189	45	EP		1020	26.79	-.030							1.0
MESJ	HE	189	45	ES		1020	46.780	.080							1.0
MESJ	HN	189	45	IAML		1020	49.10			4	0.2				

**February 14 2022 Hour: 14:10 9.3 Lat: 36.84N Lon: 8.53W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.3ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	53	348	EP		1410	17.93	-.040							1.0
MORF	HE	53	348	ES		1410	24.360	.040							1.0
MORF	HE	53	348	IAML		1410	24.82			2	0.1				

**February 14 2022 Hour: 20:11 25.5 Lat: 35.53N Lon: 7.01W Depth: 15F 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
MESJ	HZ	278	337	EP		2012	4.03	-.030							1.0
MESJ	HN	278	337	ES		2012	32.220	.030							1.0
MESJ	HN	278	337	IAML		2012	32.66			0.60	0.0				

**February 14 2022 Hour: 20:28 21.6 Lat: 70.73N Lon: 14.36W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.5Ms 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	3675	171	EP		2034	57.23	-.110							1.0
MESJ	BN	3675	171	ES		2040	17.210	.120							1.0
MESJ	BZ	3675	171	IAMs_20		2048	56.98			7237	15.1				
MORF	BZ	3732	172	EP		2035	1.83	-.010							1.0
MORF	BZ	3732	172	IAMs_20		2048	13.07			7797	21.0				

**February 14 2022 Hour: 22:12 56.5 Lat: 36.80N Lon: 8.12W Depth: 5F 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	73	320	EP		2213	8.32	-.040							1.0
MESJ	HZ	116	356	EP		2213	15.200	.110							1.0
MESJ	HN	116	356	ES		2213	28.60	-.070							1.0
MESJ	HN	116	356	IAML		2213	30.61			3	0.2				

**February 15 2022 Hour: 2: 5 29.3 Lat: 36.38N Lon: 8.94W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	106	14	EP		2 5	45.87	-.170							1.0
MORF	HN	106	14	ES		2 5	58.410	.170							1.0
MORF	HN	106	14	IAML		2 6	0.07			16	0.2				

**February 15 2022 Hour: 2:45 24.3 Lat: 35.19N Lon: 5.98W Depth: 27F Agency: IGL Regional**  
**Magnitudes: 2.3ML 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	315	EP		246	8.74	-.300							1.0
MORF	HE	336	315	ES		246	41.780	.070							1.0
MORF	HE	336	315	IAML		246	44.23			17	0.2				
MESJ	HZ	356	326	EP		246	11.690	.170							1.0
MESJ	HN	356	326	ES		246	46.060	.070							1.0
MESJ	HN	356	326	IAML		246	48.40			7	0.2				

**February 15 2022 Hour: 19:13 34.7 Lat: 35.36N Lon: 3.65W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 0.0ML 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	492	305	EP		1914	39.190	.000							1.0

February 16 2022 Hour: 4:32 37.6 Lat: 32.26N Lon: 16.92W Depth: 5F Agency: IGL Regional  
Magnitudes: 4.7ML IGL Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	941	51	EP		434	36.86	-.130							1.0
MORF	HN	941	51	ES		436	4.06	-.110							1.0
MORF	HN	941	51	IAML		436	8.43			569	0.4				
GGNV	HZ	1005	42	EP		434	44.650	.190							1.0
GGNV	HE	1005	42	ES		436	17.00	-.090							1.0
GGNV	HN	1005	42	IAML		436	21.79			791	0.3				
MESJ	HZ	1006	50	EP		434	44.840	.200							1.0
MESJ	HE	1006	50	ES		436	17.37	-.030							1.0
MESJ	HN	1006	50	IAML		436	23.61			109	0.4				

February 16 2022 Hour: 7:12 23.3 Lat: 14.19N Lon: 91.30W Depth: 84F Agency: IGL Distant  
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

GUATEMALA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8370	53	EP		723	57.080	.060							1.0
GGNV	BZ	8370	53	IAMs_20		749	28.29			9322	33.5				
MORF	BZ	8432	55	EP		724	0.410	.130							1.0
MORF	BZ	8432	55	IAMs_20		748	19.37			12726	39.3				
MESJ	BZ	8463	54	EP		724	1.60	-.190							1.0
MESJ	BZ	8463	54	IAMs_20		748	42.40			7948	32.7				

February 16 2022 Hour: 7:48 44.5 Lat: 36.54N Lon: 11.16W Depth: 49F 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	239	68	EP		749	16.80	-.110							1.0
MORF	HE	239	68	ES		749	40.660	.090							1.0
MORF	HE	239	68	IAML		749	40.87			2	0.1				
MESJ	HZ	298	60	EP		749	24.080	.020							1.0

February 16 2022 Hour: 10:36 58.0 Lat: 36.00N Lon: 8.70W Depth: 32F 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	145	2	EP		1037	18.820	.050							1.0
MORF	HE	145	2	ES		1037	33.980	.050							1.0
MORF	HE	145	2	IAML		1037	34.96			5	0.1				
MESJ	HZ	209	12	EP		1037	26.780	.120							1.0
MESJ	HN	209	12	ES		1037	47.35	-.230							1.0
MESJ	HN	209	12	IAML		1037	48.55			2	0.1				

February 16 2022 Hour: 20:21 7.2 Lat: 23.79S Lon: 180.00E Depth: 535F Agency: IGL Distant  
Rms: 0.0 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	18158	26	EPKpdf		2040	7.750	.010							1.0
MESJ	BZ	18283	25	EPKpdf		2040	8.830	.020							1.0
MORF	BZ	18315	27	EPKpdf		2040	9.08	-.040							1.0

February 16 2022 Hour: 21:42 32.0 Lat: 7.61N Lon: 37.76W Depth: 10F Agency: IGL Distant  
Magnitudes: 4.5Mb 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	4481	37	EP		2150	9.110	.000							1.0
MESJ	BZ	4481	37	IAMB		2150	10.43			11	0.9				

February 18 2022 Hour: 1:2 53.9 Lat: 35.37N Lon: 3.61W Depth: 26F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	495	305	EP		1 3	58.140	.000							1.0

February 18 2022 Hour: 1:31 38.3 Lat: 35.41N Lon: 3.63W Depth: 24F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	491	305	EP		132	42.14	-.000							1.0

February 19 2022 Hour: 5:20 11.8 Lat: 36.70N Lon: 7.54W Depth: 25F 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	HN	120	304	ES		520	42.90	-.050							1.0
MORF	HE	120	304	IAML		520	44.01			14	0.1				
MESJ	HZ	140	335	EP		520	32.390	.090							1.0
MESJ	HN	140	335	ES		520	47.26	-.040							1.0
MESJ	HE	140	335	IAML		520	48.34			2	0.1				

February 19 2022 Hour: 23:27 5.7 Lat: 35.47N Lon: 3.68W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	484	304	EP		2328	11.030	.000							1.0

February 20 2022 Hour: 0:14 18.3 Lat: 36.95N Lon: 13.49W Depth: 33F Agency: IGL Regional  
Magnitudes: 2.1ML IGL Rms: 0.1 secs

**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	432	83	ES		015	51.48	-.000							1.0
MORF	HN	432	83	IAML		015	53.23			8	0.2				
MESJ	HZ	477	76	EP		015	17.36	-.310							1.0
MESJ	HE	477	76	ES		016	1.310	.310							1.0
MESJ	HE	477	76	IAML		016	3.59			2	0.1				

February 20 2022 Hour: 11:47 8.9 Lat: 55.32N Lon: 157.91W Depth: 29F Agency: IGL Distant  
Magnitudes: 5.5Mb IGL Rms: 0.0 secs

**ALASKA PENINSULA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9291	24	EP		1159	34.18	-.050							1.0
MESJ	BZ	9291	24	IAMB		1159	36.70			20	0.9				
MORF	BZ	9337	24	EP		1159	36.430	.050							1.0
MORF	BZ	9337	24	IAMB		1159	38.51			54	1.1				

February 21 2022 Hour: 4:26 9.3 Lat: 38.94N Lon: 8.86W Depth: 0 Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.1 secs

**SW BENAVENTE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HE	35	225	ES		426	19.190	.060							1.0
GGNV	HE	35	225	IAML		426	19.88			59	0.2				
MESJ	HZ	134	155	EP		426	30.77	-.170							1.0
MESJ	HE	134	155	ES		426	46.850	.100							1.0
MESJ	HE	134	155	IAML		426	47.17			4	0.2				

February 21 2022 Hour: 4:30 58.4 Lat: 35.46N Lon: 3.65W Depth: 1F Agency: IGL Regional  
Magnitudes: 2.0ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	487	304	EP		432	3.99	-.010							1.0
MESJ	HN	487	304	ES		432	51.930	.010							1.0
MESJ	HE	487	304	IAML		432	53.57			3	0.2				

February 21 2022 Hour: 7:50 40.0 Lat: 35.41N Lon: 3.61W Depth: 13F 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	492	305	EP		751	45.10	-.000							1.0

February 21 2022 Hour: 13: 6 3.5 Lat: 35.42N Lon: 3.64W Depth: 4F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	489	305	EP		13 7	9.120	.000							1.0

February 21 2022 Hour: 16: 0 5.4 Lat: 35.44N Lon: 3.62W Depth: 18F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	490	304	EP		16 1	9.79	-.000							1.0

February 21 2022 Hour: 22:36 20.1 Lat: 36.51N Lon: 11.19W Depth: 27F Agency: IGL Regional  
Magnitudes: 1.8ML 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	243	68	EP		2236	53.22	-.070							1.0
MORF	HN	243	68	ES		2237	17.590	.070							1.0
MORF	HN	243	68	IAML		2237	18.47			10	0.1				
MESJ	HZ	302	60	EP		2237	0.64	-.010							1.0
MESJ	HN	302	60	ES		2237	30.270	.010							1.0
MESJ	HN	302	60	IAML		2237	31.46			3	0.1				

February 21 2022 Hour: 23:24 13.2 Lat: 69.76S Lon: 165.43E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.7Ms IGL Rms: 0.0 secs

BALLENY ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ16352	189	EPKp $\bar{d}$ f			2343	54.03	-.030							1.0
MORF	BZ16352	189	IAMs $\bar{2}$ 0			2443	15.34			14023	23.1				
MESJ	BZ16408	189	EPKp $\bar{d}$ f			2343	54.84	-.000							1.0
MESJ	BZ16408	189	IAMs $\bar{2}$ 0			2446	2.96			11204	18.6				
GGNV	BZ16511	188	EPKp $\bar{d}$ f			2343	56.340	.030							1.0
GGNV	BZ16511	188	IAMs $\bar{2}$ 0			2446	13.28			11981	20.6				

February 22 2022 Hour: 5:30 3.2 Lat: 35.41N Lon: 3.64W Depth: 1F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	490	305	EP		531	9.32	-.000							1.0

February 22 2022 Hour: 6:12 50.0 Lat: 22.69S Lon: 66.24W Depth: 231F Agency: IGL Distant  
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

JUJUY, ARGENTINA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8968	43	EP		624	36.93	-.130							1.0
MORF	BZ	8968	43	IAMB		624	38.85			577	1.8				
MESJ	BZ	9035	43	EP		624	40.280	.130							1.0
MESJ	BZ	9035	43	IAMB		624	41.40			104	0.8				

February 22 2022 Hour: 7:23 21.8 Lat: 37.47N Lon: 7.75W Depth: 11F Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.1 secs

SW MERTOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	58	315	EP		723	31.21	-.180							1.0
MESJ	HE	58	315	ES		723	38.37	-.000							1.0
MESJ	HN	58	315	IAML		723	39.74			5	0.1				
MORF	HZ	82	257	EP		723	35.010	.020							1.0
MORF	HE	82	257	ES		723	44.780	.170							1.0
MORF	HN	82	257	IAML		723	45.98			30	0.2				

February 22 2022 Hour: 9:10 3.0 Lat: 36.29N Lon: 9.02W Depth: 15F Agency: IGL Regional  
Magnitudes: 2.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	16	EP		910	21.35	-.090							1.0
MORF	HE	117	16	ES		910	35.010	.090							1.0
MORF	HN	117	16	IAML		910	36.84			220	0.4				
MESJ	HZ	186	22	EP		910	30.05	-.010							1.0

February 22 2022 Hour: 10:2 56.8 Lat: 36.78N Lon: 7.14W Depth: 20F 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	147	294	EP		10 3	18.53	-.060							1.0
MORF	HN	147	294	ES		10 3	34.44	-.050							1.0
MORF	HN	147	294	IAML		10 3	35.10			7	0.1				
MESJ	HZ	152	321	EP		10 3	19.300	.120							1.0

February 22 2022 Hour: 11:24 28.2 Lat: 36.54N Lon: 7.80W Depth: 16F Agency: IGL Regional  
Magnitudes: 1.7ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	114	319	EP		1124	46.16	-.040							1.0
MORF	HN	114	319	ES		1124	59.390	.040							1.0
MORF	HN	114	319	IAML		1125	0.84			15	0.1				

February 22 2022 Hour: 18:22 14.5 Lat: 36.80N Lon: 7.17W Depth: 24F Agency: IGL Regional  
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	143	293	EP		1822	35.49	-.090							1.0
MORF	HE	143	293	ES		1822	51.060	.120							1.0
MORF	HE	143	293	IAML		1822	52.43			66	0.1				
MESJ	HZ	148	321	EP		1822	36.08	-.090							1.0
MESJ	HE	148	321	ES		1822	52.010	.060							1.0
MESJ	HE	148	321	IAML		1822	53.31			9	0.2				

February 22 2022 Hour: 19:49 38.4 Lat: 37.34N Lon: 8.45W Depth: 11F Agency: IGL Regional  
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	18	258	EP		1949	41.77	-.130							1.0
MORF	HE	18	258	ES		1949	44.590	.140							1.0
MORF	HE	18	258	IAML		1949	44.80			109	0.2				
MESJ	HZ	59	20	EP		1949	48.06	-.010							1.0



**February 22 2022 Hour: 20:18 48.9 Lat: 37.96N Lon: 8.87W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.0 secs**

**SE SINES, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	59	103	EP		2018	58.43	-.070							1.0
MESJ	HN	59	103	ES		2019	5.550	.020							1.0
MESJ	HN	59	103	IAML		2019	6.56			53	0.2				
MORF	HZ	75	165	EP		2019	1.050	.020							1.0
MORF	HE	75	165	ES		2019	9.930	.030							1.0
MORF	HN	75	165	IAML		2019	11.27			109	0.2				

**February 23 2022 Hour: 8:20 54.8 Lat: 35.43N Lon: 3.59W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 2.3ML 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	493	304	EP		821	59.900	.040							1.0
MESJ	HN	493	304	ES		822	47.25	-.060							1.0
MESJ	HN	493	304	IAML		822	49.73			6	0.3				
MORF	HZ	500	296	EP		822	0.730	.020							1.0

**February 23 2022 Hour: 12:49 31.5 Lat: 7.84N Lon: 74.26W Depth: 57F Agency: IGL Distant**  
**Magnitudes: 5.3Mb IGL Rms: 0.0 secs**

**NORTHERN COLOMBIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7338	53	EP		13 0	11.73	-.000							1.0
MORF	BZ	7338	53	IAMB		13 0	14.00			63	1.3				
MESJ	BZ	7384	52	EP		13 0	14.380	.000							1.0
MESJ	BZ	7384	52	IAMB		13 0	15.72			22	1.0				

**February 24 2022 Hour: 7:19 29.0 Lat: 35.46N Lon: 3.62W Depth: 2F Agency: IGL Regional**  
**Magnitudes: 0.1ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	489	304	EP		720	34.990	.150							1.0
MORF	HZ	496	296	EP		720	35.56	-.150							1.0

**February 24 2022 Hour: 9:58 15.1 Lat: 37.33N Lon: 8.64W Depth: 17F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.1 secs**

**NW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	202	EP		958	17.91	-.060							1.0
MORF	HE	3	202	ES		958	20.090	.060							1.0
MORF	HN	3	202	IAML		958	20.63			16	0.2				

**February 24 2022 Hour: 14:9 43.5 Lat: 36.00N Lon: 10.70W Depth: 32F Agency: IGL Regional**  
**Magnitudes: 2.3ML IGL Rms: 0.1 secs**

**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	233	51	EP		1410	15.25	-.010							1.0
MORF	HN	233	51	ES		1410	38.590	.140							1.0
MORF	HN	233	51	IAML		1410	39.59			37	0.2				
MESJ	HZ	301	47	EP		1410	23.60	-.010							1.0
MESJ	HN	301	47	ES		1410	52.77	-.120							1.0
MESJ	HN	301	47	IAML		1410	53.91			6	0.2				

**February 24 2022 Hour: 20:49 52.1 Lat: 35.86N Lon: 5.28W Depth: 62F Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.2 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	342	299	EP		2050	36.89	-.110							1.0
MESJ	HZ	342	311	EP		2050	36.82	-.180							1.0
MESJ	HE	342	311	ES		2051	10.070	.300							1.0
MESJ	HN	342	311	IAML		2051	11.27			8	0.1				

**February 25 2022 Hour: 15:47 38.6 Lat: 35.25N Lon: 6.04W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.2 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	327	315	EP		1548	23.23	-.230							1.0
MORF	HN	327	315	ES		1548	56.12	-.060							1.0
MORF	HE	327	315	IAML		1548	57.18		23	0.1					
MESJ	HZ	347	326	EP		1548	26.230	.290							1.0
MESJ	HN	347	326	ES		1549	0.470	.010							1.0
MESJ	HN	347	326	IAML		1549	5.21		22	0.3					

**February 25 2022 Hour: 16:18 56.8 Lat: 37.03N Lon: 8.25W Depth: 23F 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	47	311	EP		1619	4.67	-.190							1.0
MORF	HE	47	311	ES		1619	10.950	.210							1.0
MORF	HN	47	311	IAML		1619	11.69		12	0.1					
MESJ	HZ	90	2	EP		1619	11.240	.050							1.0
MESJ	HE	90	2	ES		1619	21.61	-.070							1.0
MESJ	HE	90	2	IAML		1619	22.25		5	0.2					

**February 25 2022 Hour: 18:26 42.9 Lat: 36.92N Lon: 8.76W Depth: 27F 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	44	13	EP		1826	50.68	-.160							1.0
MORF	HE	44	13	ES		1826	56.780	.130							1.0
MORF	HE	44	13	IAML		1826	57.01		23	0.2					
MESJ	HN	113	25	ES		1827	12.340	.030							1.0
MESJ	HN	113	25	IAML		1827	13.92		2	0.1					

**February 26 2022 Hour: 0:4 46.6 Lat: 37.31N Lon: 8.54W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 0.4ML 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	10	266	EP		0 4	48.68	-.140							1.0
MORF	HE	10	266	ES		0 4	50.580	.140							1.0
MORF	HE	10	266	IAML		0 4	51.11		18	0.1					

**February 26 2022 Hour: 4:31 56.0 Lat: 36.53N Lon: 8.05W Depth: 17F 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	101	328	EP		432	11.98	-.130							1.0
MESJ	HE	146	354	ES		432	34.140	.140							1.0
MESJ	HE	146	354	IAML		432	34.35		1.00	0.1					

**February 27 2022 Hour: 0:13 52.8 Lat: 36.69N Lon: 11.40W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 2.8ML IGL Rms: 0.1 secs**

**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	254	74	EP		014	26.21	-.150							1.0
MORF	HE	254	74	ES		014	50.890	.010							1.0
MORF	HN	254	74	IAML		014	53.69		88	0.4					
MESJ	HZ	310	65	EP		014	33.24	-.010							1.0
MESJ	HE	310	65	ES		015	2.960	.170							1.0
MESJ	HN	310	65	IAML		015	6.70		25	0.2					

**February 27 2022 Hour: 2:58 15.6 Lat: 36.66N Lon: 9.82W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	55	EP		258	35.32	-.050							1.0
MORF	HN	126	55	ES		258	49.840	.050							1.0
MORF	HN	126	55	IAML		258	51.66			4	0.1				

**February 27 2022 Hour: 17:54 33.2 Lat: 36.36N Lon: 7.93W Depth: 19F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	123	329	EP		1754	52.15	-.000							1.0

**February 27 2022 Hour: 21:3 23.0 Lat: 36.05N Lon: 8.64W Depth: 32F Agency: IGL Regional**  
**Magnitudes: 3.5ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	139	360	EP		21	3	43.05	-.010						1.0
MORF	HE	139	360	ES		21	3	57.54	-.150						1.0
MORF	HN	139	360	IAML		21	3	59.01		698	0.1				
MESJ	HZ	202	11	EP		21	3	50.980	.130						1.0
MESJ	HN	202	11	ES		21	4	11.200	.040						1.0
MESJ	HN	202	11	IAML		21	4	12.04		290	0.2				

**February 28 2022 Hour: 1:43 49.6 Lat: 37.31N Lon: 8.54W Depth: 17F Agency: IGL Regional**  
**Magnitudes: 0.3ML IGL Rms: 0.1 secs**

**E MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	266	EP		143	52.52	-.240							1.0
MORF	HE	10	266	ES		143	55.110	.010							1.0
MORF	HE	10	266	IAML		143	55.50			8	0.1				
MESJ	HZ	65	26	EP		144	0.330	.160							1.0
MESJ	HN	65	26	ES		144	8.000	.080							1.0
MESJ	HN	65	26	IAML		144	8.72			2	0.2				

**February 28 2022 Hour: 3:46 50.2 Lat: 36.56N Lon: 9.80W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 1.3ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	131	51	EP		347	10.09	-.030							1.0
MORF	HN	131	51	ES		347	24.650	.010							1.0
MORF	HN	131	51	IAML		347	25.24			7	0.1				
MESJ	HZ	200	44	EP		347	18.590	.040							1.0
MESJ	HN	200	44	ES		347	39.22	-.020							1.0
MESJ	HN	200	44	IAML		347	40.29			2	0.1				

**February 28 2022 Hour: 13:45 15.0 Lat: 37.08N Lon: 8.59W Depth: 11F 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	26	347	EP		1345	19.53	-.030							1.0
MORF	HN	26	347	ES		1345	22.990	.130							1.0
MORF	HN	26	347	IAML		1345	24.56			63	0.1				
MESJ	HZ	90	21	EP		1345	29.30	-.180							1.0
MESJ	HN	90	21	ES		1345	40.090	.080							1.0
MESJ	HN	90	21	IAML		1345	40.69			6	0.2				

February 28 2022 Hour: 21:16 55.7 Lat: 44.97N Lon: 14.50W Depth: 10F Agency: IGL Regional  
 Magnitudes: 2.7ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	949	144	EP		2118	55.57	-.030							1.0
MESJ	HN	949	144	ES		2120	23.08	-.020							1.0
MESJ	HN	949	144	IAML		2120	25.80			4	0.4				
MORF	HZ	982	148	EP		2118	59.55	0.080							1.0
MORF	HN	982	148	ES		2120	29.76	-.030							1.0
MORF	HN	982	148	IAML		2120	31.61			6	0.1				