

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

September to October

2023

Instituto D. Luiz
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Faculty of Science
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IDL.UL.PT

STATIONS USED

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

Lisboa (IGIDL)
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77 m

Marmelete (Picos)
MORF

Latitude	37.3043N
Longitude	8.6527W
Height	560 m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	25 0m

Grandola
GRNL

Latitude	38.108307N
Longitude	8.569027W
Height	172 m

September 1 2023 Hour: 1:40 20.2 Lat: 36.53N Lon: 9.77W Depth: 15F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	132	49	ES		140	55.390	.000							1.0
MORF	HN	132	49	IAML		140	57.29			9	0.2				
GRNL	CZ	205	31	EP		140	49.57	-.050							1.0
GRNL	CN	205	31	ES		141	11.150	.050							1.0
GRNL	CN	205	31	IAML		141	12.52			2	0.2				

September 1 2023 Hour: 7:43 10.5 Lat: 37.38N Lon: 8.61W Depth: 10F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	206	EP		743	12.76	-.020							1.0
MORF	HE	10	206	ES		743	14.470	.020							1.0
MORF	HN	10	206	IAML		743	14.86			24	0.1				

September 1 2023 Hour: 8:22 20.0 Lat: 36.45N Lon: 9.72W Depth: 15F 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	134	45	EP		822	40.65	-.010							1.0
MORF	HN	134	45	ES		822	55.780	.060							1.0
MORF	HE	134	45	IAML		822	56.53			12	0.2				
MESJ	HZ	203	40	EP		822	49.21	-.050							1.0
GRNL	CZ	210	29	EP		822	49.91	-.170							1.0
GRNL	CN	210	29	ES		823	12.170	.160							1.0
GRNL	CN	210	29	IAML		823	13.94			10	0.1				

September 1 2023 Hour: 20:49 54.9 Lat: 50.71N Lon: 156.27E Depth: 146F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.1 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10002	349	EP			21 2	37.33	0.03							1.0
GGNV	BZ10002	349	IAmb			21 2	40.91			119	1.2				
GGNV	BN10002	349	ESKSac			2112	54.38	0.06							1.0
GRNL	BZ10061	348	EP			21 2	39.53	-0.24							1.0
GRNL	BZ10061	348	IAmb			21 2	42.84			49	1.2				
GRNL	BZ10061	348	EPP			21 6	16.89	-0.05							1.0
GRNL	BN10061	348	ESKSac			2112	57.37	-0.03							1.0
MESJ	BZ10085	348	EP			21 2	40.62	-0.18							1.0
MESJ	BZ10085	348	IAmb			21 2	43.85			79	1.2				
MESJ	BN10085	348	ESKSac			2112	58.87	0.19							1.0
MORF	BZ10150	348	EP			21 2	43.69	0.12							1.0
MORF	BZ10150	348	IAmb			21 2	47.51			136	1.2				
MORF	BN10150	348	ESKSac			2113	2.19	0.07							1.0

September 2 2023 Hour: 1:43 9.0 Lat: 36.80N Lon: 4.49W Depth: 57F 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	350	290	EP		143	54.920	.080							1.0
GRNL	CZ	389	293	EP		143	59.45	-.090							1.0

September 2 2023 Hour: 2: 2 2.4 Lat: 38.31N Lon: 7.96W Depth: 4F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

SE VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	57	203	EP		2 2	11.64	-.020							1.0
MESJ	HN	57	203	ES		2 2	18.23	-.180							1.0
MESJ	HN	57	203	IAML		2 2	18.84			2	0.2				
GRNL	CZ	58	247	EP		2 2	11.920	.180							1.0

GRNL CE 58 247 ES 2 2 18.570.020 1.0
 GRNL CN 58 247 IAML 2 2 19.20 6 0.2

**September 2 2023 Hour: 8:21 36.5 Lat: 36.33N Lon: 7.80W Depth: 31F Agency: IGL Regional
 Magnitudes: 1.7ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	133	325	EP		821	54.97	-.100							1.0
GRNL	CZ	209	341	EP		822	4.730	.190							1.0
GRNL	CN	209	341	ES		822	24.91	-.080							1.0
GRNL	CN	209	341	IAML		822	26.46			6	0.1				

**September 2 2023 Hour: 11:11 2.2 Lat: 8.23S Lon: 74.25W Depth:149F Agency: IGL Distant
 Magnitudes: 5.1Mb IGL Rms: 0.0 secs**

CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8471	48	EP		1122	33.770	.000							1.0
MORF	BZ	8471	48	IAMB		1122	35.85			29	0.7				

**September 2 2023 Hour: 11:45 49.1 Lat: 37.27N Lon: 9.54W Depth: 21F Agency: IGL Regional
 Magnitudes: 1.5ML IGL Rms: 0.1 secs**

NORTH ATLANTIC OCEAN Nert: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	79	87	EP		1146	1.990	.130							1.0
MORF	HN	79	87	ES		1146	11.280	.110							1.0
MORF	HN	79	87	IAML		1146	11.95			18	0.1				
GRNL	CZ	127	42	EP		1146	8.09	-.190							1.0
GRNL	CN	127	42	ES		1146	22.360	.080							1.0
GRNL	CE	127	42	IAML		1146	23.01			8	0.1				
MESJ	HZ	133	61	EP		1146	8.85	-.200							1.0
MESJ	HE	133	61	ES		1146	23.650	.050							1.0
MESJ	HN	133	61	IAML		1146	24.33			4	0.1				

**September 2 2023 Hour: 23:57 52.0 Lat: 37.37N Lon: 16.17W Depth: 52F Agency: IGL Regional
 Magnitudes: 4.0ML IGL Rms: 0.2 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	634	74	EP		2359	12.110	.110							1.0
GGNV	HE	634	74	ES		24	0	10.23	-.180						1.0
GGNV	HE	634	74	IAML		24	0	15.42		344	0.3				
MORF	HZ	666	88	EP		2359	16.000	.190							1.0
MORF	HN	666	88	ES		24	0	17.080	.070						1.0
MORF	HE	666	88	IAML		24	0	26.23		172	0.3				
GRNL	CZ	675	81	EP		2359	16.71	-.090							1.0
GRNL	CN	675	81	ES		24	0	18.48	-.240						1.0
GRNL	CN	675	81	IAML		24	0	21.76		99	0.1				
MESJ	HZ	704	83	EP		2359	20.360	.150							1.0

**September 3 2023 Hour: 5:38 47.7 Lat: 37.35N Lon: 8.44W Depth: 10F Agency: IGL Regional
 Magnitudes: 0.8ML IGL Rms: 0.1 secs**

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	19	255	EP		538	51.16	-.090							1.0
MORF	HN	19	255	ES		538	53.910	.070							1.0
MORF	HE	19	255	IAML		538	54.39			27	0.2				
MESJ	HE	58	20	ES		539	4.10	-.020							1.0
GRNL	CN	85	353	ES		539	11.390	.040							1.0
GRNL	CN	85	353	IAML		539	12.08			3	0.1				

September 3 2023 Hour: 5:39 53.1 Lat: 37.32N Lon: 8.44W Depth: 17F Agency: IGL Regional
Magnitudes: 0.3ML 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	19	266	EP		539	57.17	-0.01							1.0
MORF	HN	19	266	ES		540	0.19	0.01							1.0
MORF	HE	19	266	IAML		540	1.06			6	0.2				

September 3 2023 Hour: 7:23 36.3 Lat: 39.64N Lon: 12.26W Depth: 34F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	363	117	EP		724	21.41	-.260							1.0
MORF	HZ	408	128	EP		724	27.17	-.080							1.0
MORF	HN	408	128	ES		725	4.800	.350							1.0
MORF	HN	408	128	IAML		725	6.85			10	0.2				

September 3 2023 Hour: 7:49 41.4 Lat: 18.94N Lon: 64.48W Depth: 27F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

VIRGIN ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	5778	56	EP		758	47.830	.040							1.0
GRNL	BZ	5778	56	IAMB		758	50.04			18	1.1				
MESJ	BZ	5806	56	EP		758	49.64	-.040							1.0
MESJ	BZ	5806	56	IAMB		758	52.22			27	1.1				

September 3 2023 Hour: 11:14 10.4 Lat: 36.26N Lon: 8.53W Depth: 13F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	354	EP		1114	28.76	-.070							1.0
MORF	HE	117	354	ES		1114	42.380	.120							1.0
MORF	HN	117	354	IAML		1114	44.91			91	0.3				
MESJ	HZ	178	9	EP		1114	36.60	-.060							1.0

September 3 2023 Hour: 18:33 6.3 Lat: 37.35N Lon: 9.28W Depth: 29F Agency: IGL Regional
Magnitudes: 1.1ML 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	56	95	EP		1833	16.030	.090							1.0
MORF	HE	56	95	ES		1833	23.070	.110							1.0
MORF	HE	56	95	IAML		1833	23.58			10	0.1				
GRNL	CZ	105	36	EP		1833	22.14	-.050							1.0
GRNL	CN	105	36	ES		1833	33.820	.050							1.0
GRNL	CN	105	36	IAML		1833	34.78			4	0.1				
MESJ	HZ	108	60	EP		1833	22.38	-.220							1.0

September 3 2023 Hour: 23:46 58.0 Lat: 37.86N Lon: 9.19W Depth: 10F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	61	63	EP		2347	7.98	-.010							1.0
GRNL	CE	61	63	ES		2347	15.450	.150							1.0
GRNL	CE	61	63	IAML		2347	17.06			4	0.2				
MESJ	HZ	86	91	EP		2347	11.53	-.180							1.0
MESJ	HE	86	91	ES		2347	21.770	.030							1.0
MESJ	HE	86	91	IAML		2347	22.43			1.00	0.2				

September 4 2023 Hour: 6:35 45.7 Lat: 37.04N Lon: 9.02W Depth: 28F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	48	EP		635	53.680	.010							1.0
MORF	HN	43	48	ES		635	59.650	.160							1.0
MORF	HN	43	48	IAML		636	0.66			13	0.1				
MESJ	HZ	113	38	EP		636	2.50	-.180							1.0

September 4 2023 Hour: 21:27 4.6 Lat: 34.94N Lon: 6.58W 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	354	336	EP		2127	54.020	.010							1.0
GRNL	CZ	394	334	EP		2127	59.01	-.010							1.0

September 5 2023 Hour: 0:49 14.6 Lat: 36.17N Lon: 8.20W Depth: 4F Agency: IGL Regional
Magnitudes: 4.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	133	342	EP		049	35.68	-.100							1.0
MORF	HN	133	342	ES		049	51.290	.020							1.0
MORF	HN	133	342	IAML		049	53.78			4810	0.3				
MESJ	HZ	186	359	EP		049	42.65	-.020							1.0
MESJ	HN	186	359	ES		050	3.12	-.060							1.0
MESJ	HN	186	359	IAML		050	11.23			808	0.3				
GRNL	CZ	218	351	EP		049	46.47	-.210							1.0
GRNL	CE	218	351	ES		050	10.290	.170							1.0
GRNL	CN	218	351	IAML		050	18.88			1332	0.2				
GGNV	HN	295	344	ES		050	26.930	.220							0.9
GGNV	HN	295	344	IAML		050	43.14			595	0.7				

September 5 2023 Hour: 0:55 24.8 Lat: 23.91S Lon: 175.44E Depth: 11F Agency: IGL Distant
Rms: 0.2 secs

SOUTH OF FIJI ISLANDS Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ18406	13	EPKPdf			115	28.980	.210							1.0
GRNL	BZ18406	13	EPKPab			116	26.93	-.210							1.0
MORF	BZ18490	14	EPKPdf			115	29.690	.230							1.0
MORF	BZ18490	14	EPKPab			116	30.32	-.230							1.0

September 5 2023 Hour: 1:37 37.0 Lat: 32.57N Lon: 3.60W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	720	326	EP		139	10.99	-.000							1.0

September 5 2023 Hour: 10:17 25.8 Lat: 36.62N Lon: 7.76W Depth: 24F 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	110	314	EP		1017	42.51	-.180							1.0
MESJ	HZ	142	343	EP		1017	46.750	.180							1.0
GRNL	CZ	180	337	EP		1017	51.36	-.000							1.0

September 5 2023 Hour: 14:47 4.0 Lat: 38.57N Lon: 8.00W Depth: 15F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

W EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	71	225	EP		1447	15.660	.130							1.0
GRNL	CN	71	225	ES		1447	23.87	-.050							1.0
GRNL	CN	71	225	IAML		1447	24.95			86	0.1				
MORF	HZ	151	203	EP		1447	26.63	-.220							1.0

MORF HE 151 203 ESg 1447 45.060.120 1.0
MORF HN 151 203 IAML 1447 46.84 125 0.3

**September 5 2023 Hour: 16:41 22.0 Lat: 36.47N Lon: 9.82W Depth: 15F Agency: IGL Regional
Magnitudes: 3.3ML 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	139	48	EP		1641	43.270	.040							1.0
MORF	HN	139	48	ES		1641	58.780	.010							1.0
MORF	HN	139	48	IAML		1641	59.68		241	0.3					
GRNL	CZ	213	31	EP		1641	52.18	-.170							1.0
GRNL	CN	213	31	ES		1642	14.680	.130							1.0
GRNL	CN	213	31	IAML		1642	17.79		158	0.1					
GGNV	HZ	256	13	EP		1641	57.72	-.010							0.9
GGNV	HE	256	13	ES		1642	23.85	-.000							0.9
GGNV	HE	256	13	IAML		1642	27.36		310	0.4					

**September 5 2023 Hour: 18:11 30.3 Lat: 36.63N Lon: 7.37W Depth: 20F 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	136	304	EP		1811	50.69	-.080							1.0
GRNL	CZ	195	328	EP		1811	58.150	.090							1.0

**September 5 2023 Hour: 18:21 1.0 Lat: 40.94N Lon: 8.16W Depth: 7F Agency: IGL Regional
Rms: 0.1 secs**

E AROUCA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	316	187	EP		1821	45.130	.130							1.0
MORF	HZ	406	186	EP		1821	56.02	-.140							1.0

**September 5 2023 Hour: 21:18 12.4 Lat: 37.39N Lon: 9.08W Depth: 30F Agency: IGL Regional
Magnitudes: 1.1ML 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	39	104	EP		2118	19.990	.020							1.0
MORF	HN	39	104	ES		2118	25.45	-.030							1.0
MORF	HN	39	104	IAML		2118	26.32		17	0.1					
GRNL	CZ	92	29	EP		2118	26.58	-.020							1.0
GRNL	CE	92	29	ES		2118	36.970	.020							1.0
GRNL	CN	92	29	IAML		2118	38.95		3	0.1					

**September 6 2023 Hour: 0:23 17.9 Lat: 38.99N Lon: 9.11W Depth: 12F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs**

NW ARRUDA DOS VINHOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	31	186	ES		023	26.98	-.140							1.0
GGNV	HN	31	186	IAML		023	28.67		242	0.2					
GRNL	CZ	109	154	EP		023	35.07	-.020							1.0
GRNL	CE	109	154	ES		023	47.850	.210							1.0
GRNL	CN	109	154	IAML		023	49.42		8	0.1					
MORF	HZ	192	168	EP		023	45.93	-.040							0.9

**September 6 2023 Hour: 2:10 50.8 Lat: 38.12N Lon: 8.39W Depth: 9F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs**

SE GRANDOLA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	15	267	EP		210	53.59	-.100							1.0
GRNL	CN	15	267	ES		210	55.890	.100							1.0
GRNL	CN	15	267	IAML		210	56.06		6	0.1					

September 6 2023 Hour: 3:15 45.1 Lat: 37.32N Lon: 8.54W Depth: 21F Agency: IGL Regional
Magnitudes: 0.2ML 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	263	EP		315	48.76	-.020							1.0
MORF	HE	10	263	ES		315	51.530	.020							1.0
MORF	HE	10	263	IAML		315	53.04			5	0.2				

September 6 2023 Hour: 17:44 44.9 Lat: 35.58N Lon: 6.78W 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	HN	255	319	ES		1745	44.34	-.090							1.0
MORF	HE	255	319	IAML		1745	45.11			2	0.1				
GRNL	CZ	323	331	EP		1745	27.820	.090							1.0

September 6 2023 Hour: 23:48 5.5 Lat: 30.28S Lon: 71.54W Depth: 41F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

OFFSHORE COQUIMBO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9936	45	EP		24	0	57.600	.160						1.0
MORF	BZ	9936	45	IAMs_20		2440	19.33			16567	18.5				
GRNL	BZ	9998	45	EP		24	0	59.91	-.070						1.0
GRNL	BZ	9998	45	IAMs_20		2437	50.03			18221	21.9				
GGNV	BZ10002	44	EP		24	1	0.04	-.090							1.0
GGNV	BZ10002	44	IAMs_20		2437	13.99				13872	16.6				

September 7 2023 Hour: 5:34 3.7 Lat: 33.84N Lon: 3.36W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	614	310	EP		535	24.92	-.010							1.0
GRNL	CZ	667	317	EP		535	31.240	.010							1.0

September 7 2023 Hour: 8:18 23.0 Lat: 37.15N Lon: 8.60W Depth: 22F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	18	345	EP		818	27.47	-.040							1.0
MORF	HN	18	345	ES		818	30.880	.040							1.0
MORF	HE	18	345	IAML		818	31.12			24	0.3				

September 7 2023 Hour: 8:20 40.2 Lat: 37.32N Lon: 8.54W Depth: 14F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	10	259	EP		820	42.89	-.080							1.0
MORF	HN	10	259	ES		820	45.250	.220							1.0
MORF	HE	10	259	IAML		820	45.69			27	0.3				
GRNL	CN	87	359	ES		821	4.07	-.150							1.0
GRNL	CE	87	359	IAML		821	5.69			2	0.1				

September 7 2023 Hour: 10:49 7.3 Lat: 36.85N Lon: 7.73W Depth: 18F 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	97	302	EP		1049	22.56	-.130							1.0
MORF	HN	97	302	ES		1049	34.060	.140							1.0
MORF	HE	97	302	IAML		1049	37.51			43	0.2				
GRNL	CZ	159	332	EPg		1049	31.86	-.170							1.0
GRNL	CN	159	332	ESg		1049	50.240	.170							1.0
GRNL	CN	159	332	IAML		1049	52.67			27	0.2				

September 7 2023 Hour: 15:027.2 Lat: 36.85N Lon: 10.98W Depth: 27F 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	213	76	EP		15	0	56.60							1.0
MORF	HN	213	76	ES		15	1	18.21							1.0
MORF	HN	213	76	IAML		15	1	20.83		5	0.2				
GRNL	CE	255	56	ES		15	1	27.290							1.0
GRNL	CE	255	56	IAML		15	1	30.00		3	0.2				

September 8 2023 Hour: 1:5825.5 Lat: 36.80N Lon: 7.67W Depth: 11F Agency: IGL Regional
Magnitudes: 2.4ML 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	104	303	EP		158		41.84							1.0
MORF	HN	104	303	ES		158		54.170							1.0
MORF	HN	104	303	IAML		158		56.81		83	0.2				
GRNL	CZ	166	331	EP		158		50.600							1.0

September 8 2023 Hour: 2:930.4 Lat: 33.93N Lon: 4.30W Depth: 13F Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	602	322	EP		210		48.740							1.0

September 8 2023 Hour: 3:1341.5 Lat: 37.10N Lon: 4.45W Depth: 2F 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
GRNL	CZ	380	288	EP		314		34.05							1.0

September 8 2023 Hour: 4:4620.7 Lat: 36.83N Lon: 7.70W Depth: 1F 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	99	302	EP		446		36.64							1.0
MORF	HE	99	302	ES		446		48.40							1.0
MORF	HE	99	302	IAML		446		50.11		2	0.1				
GRNL	CE	161	332	ES		447		4.690							1.0
GRNL	CN	161	332	IAML		447		6.51		4	0.1				

September 8 2023 Hour: 5:123.6 Lat: 36.11N Lon: 8.02W Depth: 21F 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	144	337	EP		5	1	44.82							1.0
MORF	HE	144	337	ES		5	2	0.570							1.0
MORF	HE	144	337	IAML		5	2	4.45		6	0.1				

September 8 2023 Hour: 6:2723.7 Lat: 36.42N Lon: 4.80W Depth: 64F 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
MORF	HZ	357	287	EP		628		10.39							1.0
MORF	HN	357	287	ES		628		44.55							1.0
MORF	HN	357	287	IAML		628		47.57		12	0.2				
GRNL	CZ	383	300	EP		628		13.650							1.0

September 8 2023 Hour: 9:9 59.4 Lat: 32.72S Lon: 179.31W Depth: 90F 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
GGNV	BZ	18908	50	EP	KPdf	929	56.02	-.000							1.0
GGNV	BZ	18908	50	EP	KPab	931	11.890	.150							1.0
GGNV	BZ	18908	50	EPP		935	2.320	.130							1.0
GRNL	BZ	18987	52	EP	KPdf	929	56.43	-.020							1.0
GRNL	BZ	18987	52	EP	KPab	931	14.93	-.030							1.0
GRNL	BZ	18987	52	EPP		935	5.790	.020							1.0
MORF	BZ	19026	57	EP	KPdf	929	56.63	-.070							1.0
MORF	BZ	19026	57	EP	KPab	931	16.45	-.190							0.9
MORF	BZ	19026	57	EPP		935	7.580	.010							1.0

September 8 2023 Hour: 10:30 55.7 Lat: 36.60N Lon: 11.21W Depth: 18F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	241	70	EP		1031	29.530	.180							1.0
MORF	HN	241	70	ES		1031	53.67	-.240							1.0
MORF	HN	241	70	IAML		1031	55.61		19	0.3					
GRNL	CZ	287	54	EP		1031	35.210	.090							1.0
GRNL	CN	287	54	ES		1032	3.87	-.030							1.0
GRNL	CN	287	54	IAML		1032	4.92		9	0.2					

September 8 2023 Hour: 15:53 17.3 Lat: 19.31N Lon: 105.14W Depth: 5F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

OFFSHORE JALISCO, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9199	52	EP		16 5	42.220	.120							1.0
GGNV	BZ	9199	52	IAMB		16 5	45.45		62	0.8					
GRNL	BZ	9269	52	EP		16 5	45.17	-.210							1.0
GRNL	BZ	9269	52	IAMB		16 5	47.81		34	1.0					
GRNL	BN	9269	52	ES		1616	7.37	-.030							1.0
MORF	BZ	9291	53	EP		16 5	46.40	-.080							1.0
MORF	BZ	9291	53	IAMB		16 5	50.12		40	1.2					
MORF	BE	9291	53	ES		1616	8.690	.190							1.0

September 8 2023 Hour: 16:37 16.4 Lat: 19.42N Lon: 104.95W Depth: 48F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

JALISCO, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9176	52	EP		1649	33.77	-.130							1.0
GGNV	BZ	9176	52	IAMB		1649	37.41		212	1.1					
GRNL	BZ	9246	52	EP		1649	37.09	-.090							1.0
GRNL	BZ	9246	52	IAMB		1649	40.70		78	0.9					
MORF	BZ	9268	53	EP		1649	38.380	.100							1.0
MORF	BZ	9268	53	IAMB		1649	41.28		54	1.1					
MORF	BE	9268	53	ES		1659	55.230	.110							1.0

September 8 2023 Hour: 18:45 24.9 Lat: 37.72N Lon: 8.98W Depth: 8F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	55	148	EP		1845	33.67	-.240							1.0
MORF	HN	55	148	ES		1845	40.500	.040							1.0
MORF	HN	55	148	IAML		1845	43.66		19	0.2					
GRNL	CZ	56	40	EP		1845	34.150	.040							1.0
GRNL	CN	56	40	ES		1845	40.980	.170							1.0
GRNL	CE	56	40	IAML		1845	41.42		4	0.1					

September 8 2023 Hour: 19:17 58.0 Lat: 38.56N Lon: 8.02W Depth: 12F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

W EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	70	224	EP		1918	9.270	.040							1.0
GRNL	CN	70	224	ES		1918	17.39	-.040							1.0
GRNL	CN	70	224	IAML		1918	18.17			1	0.1				

September 8 2023 Hour: 22:11 1.8 Lat: 31.08N Lon: 8.36W Depth: 20F Agency: IGL Regional
Magnitudes: 6.6Ms 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	691	358	EP		2212	31.86	-.140							1.0
MORF	HN	691	358	ES		2213	38.220	.360							1.0
MORF	HN	691	358	IAMs_20		2215	8.65		1653000		24.0				
GRNL	CZ	780	359	EP		2212	42.64	-.090							0.9
GRNL	CE	780	359	ES		2213	56.35	-.080							0.9
GRNL	CZ	780	359	IAMs_20		2215	27.92		1565000		19.7				
GGNV	HZ	850	355	EP		2212	51.040	.050							0.9
GGNV	HN	850	355	ES		2214	10.59	-.140							0.9
GGNV	HZ	850	355	IAMs_20		2215	54.33		2251000		20.3				

September 8 2023 Hour: 22:30 43.6 Lat: 30.93N Lon: 8.37W Depth: 11F Agency: IGL Regional
Magnitudes: 4.3ML 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	707	358	EP		2232	16.710	.060							1.0
MORF	HE	707	358	ES		2233	24.35	-.250							1.0
MORF	HE	707	358	IAML		2233	27.31		308		0.3				
GRNL	CZ	796	359	EP		2232	27.550	.200							0.9
GRNL	CN	796	359	ES		2233	43.110	.010							0.9
GRNL	CN	796	359	IAML		2233	46.91		242		0.6				

September 8 2023 Hour: 23:8 42.2 Lat: 31.27N Lon: 8.17W Depth: 0 Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	671	356	EP		2310	11.88	-.010							1.0
GRNL	CZ	760	357	EP		2310	22.74	-.170							0.9
GRNL	CN	760	357	ES		2311	36.620	.180							0.9
GRNL	CN	760	357	IAML		2311	40.20		7		0.2				

September 8 2023 Hour: 23:19 14.3 Lat: 31.09N Lon: 8.36W Depth: 11F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	690	358	EP		2320	45.340	.100							1.0
MORF	HE	690	358	ES		2321	51.54	-.090							1.0
MORF	HE	690	358	IAML		2321	55.50		22		0.3				
GRNL	CZ	779	359	EP		2320	56.06	-.000							0.9

September 8 2023 Hour: 23:42 49.6 Lat: 31.17N Lon: 8.27W Depth: 10F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	681	357	EP		2344	19.530	.000							1.0
MORF	HE	681	357	ES		2345	25.240	.050							1.0
MORF	HE	681	357	IAML		2345	30.11		20		0.2				
GRNL	CZ	770	358	EP		2344	30.27	-.140							0.9
GRNL	CE	770	358	ES		2345	44.100	.090							0.9
GRNL	CE	770	358	IAML		2345	48.70		5		0.3				

September 8 2023 Hour: 23:47 43.1 Lat: 31.08N Lon: 8.31W Depth: 21F Agency: IGL Regional
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	692	357	EP		2349	13.14	-.220							1.0
GRNL	CZ	781	358	EP		2349	24.320	.250							0.9

September 8 2023 Hour: 23:51 2.9 Lat: 30.93N Lon: 8.35W Depth: 1 Agency: IGL Regional
Magnitudes: 3.2ML IGL
Rms: 0.1 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	708	358	EP		2352	36.95	-.080							1.0
MORF	HE	708	358	ES		2353	45.830	.070							1.0
MORF	HE	708	358	IAML		2353	48.79			38	0.2				
GRNL	CZ	797	359	EP		2352	48.000	.200							0.9
GRNL	CN	797	359	ES		2354	4.20	-.190							0.9
GRNL	CN	797	359	IAML		2354	5.14			11	0.2				

September 9 2023 Hour: 0:9 13.3 Lat: 31.23N Lon: 8.20W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	764	358	EP		010	54.55	-.000							1.0

September 9 2023 Hour: 0:6 15.0 Lat: 6.84S Lon: 116.54E Depth: 510F Agency: IGL Distant
Rms: 0.0 secs

BALI SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ13530	311	EPKP			024	10.120	.030							1.0
MORF	BZ13564	310	EPKP			024	10.70	-.030							1.0

September 9 2023 Hour: 0:16 7.2 Lat: 31.14N Lon: 8.20W Depth: 1 Agency: IGL Regional
Magnitudes: 2.2ML IGL
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	685	357	EP		017	38.710	.150							1.0
MORF	HN	685	357	ES		018	45.03	-.220							1.0
MORF	HN	685	357	IAML		018	46.08			2	0.2				
GRNL	CZ	774	358	EP		017	49.540	.070							0.9

September 9 2023 Hour: 0:21 52.0 Lat: 31.09N Lon: 8.40W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML IGL
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	690	358	EP		023	24.070	.000							1.0
MORF	HN	690	358	ES		024	31.390	.150							1.0
MORF	HE	690	358	IAML		024	32.49			9	0.2				
GRNL	CZ	779	359	EP		023	34.96	-.020							0.9
GRNL	CE	779	359	ES		024	49.98	-.140							0.9
GRNL	CE	779	359	IAML		024	51.98			2	0.1				

September 9 2023 Hour: 1:40 2.6 Lat: 31.32N Lon: 8.20W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	754	358	EP		141	42.60	-.000							1.0

September 9 2023 Hour: 2:44 35.2 Lat: 30.90N Lon: 8.34W Depth: 12F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	712	358	EP		246	8.70	-.050							1.0
MORF	HN	712	358	ES		247	17.130	.090							1.0
MORF	HE	712	358	IAML		247	21.32			57	0.3				
GRNL	CZ	801	359	EP		246	19.30	-.100							0.9
GRNL	CN	801	359	ES		247	35.520	.050							0.9
GRNL	CN	801	359	IAML		247	40.05			19	0.3				

September 9 2023 Hour: 3: 0 58.0 Lat: 31.10N Lon: 8.41W Depth: 1 Agency: IGL Regional
Magnitudes: 2.4ML IGL 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	688	358	EP		3 2	29.720	.010							1.0
MORF	HN	688	358	ES		3 3	36.750	.060							1.0
MORF	HE	688	358	IAML		3 3	40.76			5	0.3				
GRNL	CZ	777	359	EP		3 2	40.63	-.000							0.9
GRNL	CN	777	359	ES		3 3	55.50	-.070							0.9
GRNL	CN	777	359	IAML		3 3	58.07			3	0.3				

September 9 2023 Hour: 3:13 40.3 Lat: 31.13N Lon: 8.26W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	686	357	EP		315	11.70	-.090							1.0
MORF	HN	686	357	ES		316	18.640	.060							1.0
MORF	HE	686	357	IAML		316	22.98			16	0.3				
GRNL	CZ	774	358	EP		315	22.790	.080							0.9
GRNL	CN	774	358	ES		316	37.42	-.050							0.9
GRNL	CN	774	358	IAML		316	41.13			7	0.2				

September 9 2023 Hour: 3:50 25.1 Lat: 31.15N Lon: 8.36W Depth: 1F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	684	358	EP		351	56.420	.150							1.0
MORF	HN	684	358	ES		353	2.77	-.070							1.0
MORF	HE	684	358	IAML		353	6.04			4	0.2				
GRNL	CZ	772	359	EP		352	7.330	.110							0.9
GRNL	CN	772	359	ES		353	21.59	-.200							0.9
GRNL	CN	772	359	IAML		353	25.62			5	0.2				

September 9 2023 Hour: 3:57 40.1 Lat: 31.23N Lon: 8.20W Depth: 1 Agency: IGL Regional
Magnitudes: 3.1ML IGL 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	675	357	EP		359	10.200	.040							1.0
MORF	HE	675	357	ES		4 0	15.87	-.020							1.0
MORF	HE	675	357	IAML		4 0	19.92			30	0.2				
GRNL	CZ	763	358	EP		359	21.10	-.040							0.9
GRNL	CN	763	358	ES		4 0	34.900	.020							0.9
GRNL	CN	763	358	IAML		4 0	38.45			14	0.1				

September 9 2023 Hour: 4:28 14.6 Lat: 31.26N Lon: 8.19W Depth: 6F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	671	357	EP		429	43.68	-.070							1.0
MORF	HE	671	357	ES		430	48.73	-.100							1.0
MORF	HE	671	357	IAML		430	51.85			4	0.3				
GRNL	CZ	760	357	EP		429	54.800	.080							0.9

GRNL CN 760 357 ES 431 7.910.110 0.9
GRNL CN 760 357 IAML 431 12.64 4 0.3

**September 9 2023 Hour: 5:38 23.2 Lat: 31.15N Lon: 8.36W Depth: 15F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	684	358	EP		539	53.100	.070							1.0
MORF	HN	684	358	ES		540	58.56-	.010							1.0
MORF	HE	684	358	IAML		541	1.99		4	0.2					
GRNL	CZ	773	359	EP		540	3.79-	.070							0.9

**September 9 2023 Hour: 5:45 56.9 Lat: 31.22N Lon: 8.17W Depth: 1F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	676	356	EP		547	27.230	.000							1.0
GRNL	CZ	765	357	EP		547	38.370	.170							0.9
GRNL	CN	765	357	ES		548	51.93-	.180							0.9
GRNL	CN	765	357	IAML		548	56.97		2	0.2					

**September 9 2023 Hour: 6:28 32.7 Lat: 30.91N Lon: 8.45W Depth: 15F Agency: IGL Regional
Magnitudes: 2.5ML 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	709	359	EP		630	6.020	.300							1.0
MORF	HN	709	359	ES		631	13.23-	.360							1.0
MORF	HE	709	359	IAML		631	14.75		5	0.2					
GRNL	CZ	798	359	EP		630	16.420	.040							0.9
GRNL	CN	798	359	ES		631	32.060	.030							0.9
GRNL	CN	798	359	IAML		631	36.18		4	0.1					

**September 9 2023 Hour: 7:9 6.7 Lat: 31.20N Lon: 8.25W Depth: 13F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	678	357	EP		710	36.000	.070							1.0
MORF	HN	678	357	ES		711	41.05-	.040							1.0
MORF	HN	678	357	IAML		711	47.48		3	0.3					
GRNL	CZ	767	358	EP		710	46.68-	.120							0.9
GRNL	CN	767	358	ES		711	59.990	.090							0.9
GRNL	CN	767	358	IAML		712	4.82		2	0.2					

**September 9 2023 Hour: 7:38 7.6 Lat: 31.08N Lon: 8.28W Depth: 13F Agency: IGL Regional
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	692	357	EP		739	38.660	.100							1.0
GRNL	CZ	781	358	EP		739	49.22-	.110							0.9

**September 9 2023 Hour: 7:38 42.3 Lat: 31.22N Lon: 8.23W Depth: 11F Agency: IGL Regional
Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	676	357	EP		740	11.540	.070							1.0
GRNL	CZ	765	358	EP		740	22.30-	.070							0.9

**September 9 2023 Hour: 8:14 24.6 Lat: 31.21N Lon: 8.27W Depth: 19F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	677	357	EP		815	53.150	.040							1.0
GRNL	CZ	765	358	EP		816	3.85-	.090							0.9
GRNL	CN	765	358	ES		817	16.500	.040							0.9

GRNL CN 765 358 IAML 817 19.72 3 0.2

**September 9 2023 Hour: 9:45 7.1 Lat: 31.10N Lon: 8.25W Depth: 12F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs
MOROCCO Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	689	357	EP		946	37.910	.020							1.0
MORF	HN	689	357	ES		947	44.270	.130							1.0
MORF	HN	689	357	IAML		947	49.50			7	0.2				
GRNL	CZ	778	358	EP		946	48.52	-.170							0.9

**September 9 2023 Hour: 10:18 29.4 Lat: 24.65N Lon: 92.79E Depth: 46F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs**

INDIA-BANGLADESH BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9288	309	EP		1030	52.47	-.000							1.0
GRNL	BZ	9288	309	IAMB		1030	55.66			7	0.7				

**September 9 2023 Hour: 11:19 14.8 Lat: 31.23N Lon: 8.28W Depth: 9F Agency: IGL Regional
Magnitudes: 3.5ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	675	357	EP		1120	44.00	-.010							1.0
MORF	HN	675	357	ES		1121	49.14	-.020							1.0
MORF	HN	675	357	IAML		1121	55.57			70	0.3				
GRNL	CZ	764	358	EP		1120	54.82	-.130							0.9
GRNL	CN	764	358	ES		1122	8.250	.170							0.9
GRNL	CN	764	358	IAML		1122	13.37			32	0.3				

**September 9 2023 Hour: 11:31 11.0 Lat: 31.14N Lon: 8.27W Depth: 7F 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	685	357	EP		1132	41.70	-.030							1.0
GRNL	CZ	774	358	EP		1132	52.640	.030							0.9

**September 9 2023 Hour: 11:50 5.6 Lat: 31.21N Lon: 8.19W Depth: 14F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	677	357	EP		1151	34.59	-.060							1.0
GRNL	CZ	766	357	EP		1151	45.36	-.150							0.9
GRNL	CN	766	357	ES		1152	58.680	.210							0.9
GRNL	CN	766	357	IAML		1153	2.80			2	0.1				

**September 9 2023 Hour: 13: 0 31.2 Lat: 31.16N Lon: 8.47W Depth: 6F 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	682	359	EP		13 2	1.71	-.030							1.0
GRNL	CZ	771	359	EP		13 2	12.700	.030							0.9

**September 9 2023 Hour: 13:48 48.6 Lat: 31.18N Lon: 8.13W Depth: 9F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	681	356	EP		1350	18.54	-.050							1.0
MORF	HE	681	356	ES		1351	24.300	.020							1.0
MORF	HN	681	356	IAML		1351	30.18			12	0.1				
GRNL	CZ	769	357	EP		1350	29.690	.240							0.9
GRNL	CN	769	357	ES		1351	42.87	-.210							0.9
GRNL	CN	769	357	IAML		1351	47.27			5	0.2				

September 9 2023 Hour: 13:58 6.6 Lat: 31.25N Lon: 8.09W Depth: 24F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	674	356	EP		1359	35.010	.100							1.0
MORF	HN	674	356	ES		14 0	39.18-	.170							1.0
MORF	HN	674	356	IAML		14 0	44.25			32	0.2				
GRNL	CZ	763	357	EP		1359	45.69-	.040							0.9
GRNL	CN	763	357	ES		14 0	58.200	.120							0.9
GRNL	CE	763	357	IAML		14 1	4.43			14	0.3				

September 9 2023 Hour: 18:49 21.4 Lat: 37.28N Lon: 8.59W Depth: 8F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	299	EP		1849	22.99-	.150							1.0
MORF	HE	6	299	ES		1849	24.38-	.010							1.0
MORF	HN	6	299	IAML		1849	24.93			37	0.1				
GRNL	CZ	92	1	EP		1849	36.480	.180							1.0

September 9 2023 Hour: 19:57 47.5 Lat: 36.51N Lon: 12.90W Depth: 9F 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	389	76	EP		1958	36.290	.200							1.0
MORF	HN	389	76	ES		1959	11.20-	.380							1.0
MORF	HE	389	76	IAML		1959	14.57			5	0.1				
GRNL	CZ	423	64	EP		1958	40.370	.130							1.0
GRNL	CN	423	64	ES		1959	18.800	.050							1.0
GRNL	CE	423	64	IAML		1959	20.11			1	0.1				

September 9 2023 Hour: 20:6 16.3 Lat: 31.21N Lon: 8.28W Depth: 0 Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	677	357	EP		20 7	46.59-	.140							1.0
MORF	HN	677	357	ES		20 8	52.74-	.000							1.0
MORF	HN	677	357	IAML		20 8	55.88			3	0.2				
GRNL	CN	766	358	ES		20 9	11.920	.160							0.9
GRNL	CN	766	358	IAML		20 9	15.03			2	0.3				

September 9 2023 Hour: 20:9 25.5 Lat: 31.19N Lon: 8.27W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	679	357	EP		2010	56.16-	.040							1.0
GRNL	CZ	768	358	EP		2011	7.11-	.060							0.9
GRNL	CN	768	358	ES		2012	21.520	.110							0.9
GRNL	CN	768	358	IAML		2012	26.18			4	0.2				

September 9 2023 Hour: 21:24 13.9 Lat: 37.53N Lon: 3.89W Depth: 25F 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
GRNL	CZ	417	280	EP		2125	8.810	.100							1.0
MORF	HZ	422	268	EP		2125	9.32-	.100							1.0

September 9 2023 Hour: 23:11 34.5 Lat: 31.26N Lon: 8.27W Depth: 4F Agency: IGL Regional
Magnitudes: 3.1ML IGL 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	671	357	EP		2313	3.860	.020							1.0
MORF	HE	671	357	ES		2314	9.03	-.010							1.0
MORF	HE	671	357	IAML		2314	14.28			32	0.1				
GRNL	CZ	760	358	EP		2313	14.82	-.030							0.9
GRNL	CE	760	358	ES		2314	28.100	.020							0.9
GRNL	CE	760	358	IAML		2314	32.83			10	0.2				

September 10 2023 Hour: 0:43 4.5 Lat: 31.16N Lon: 8.23W Depth: 1 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	683	357	EP		044	35.610	.000							1.0
GRNL	CZ	772	358	EP		044	46.53	-.000							0.9

September 10 2023 Hour: 1:56 40.5 Lat: 31.30N Lon: 8.12W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	668	356	EP		158	9.90	-.000							1.0
MORF	HE	668	356	ES		159	15.310	.180							1.0
MORF	HE	668	356	IAML		159	19.25			6	0.2				
GRNL	CZ	757	357	EP		158	20.73	-.200							0.9

September 10 2023 Hour: 4:54 9.1 Lat: 35.00N Lon: 8.21W Depth: 24F 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	259	351	EP		454	44.510	.020							1.0
MORF	HN	259	351	ES		455	10.26	-.070							1.0
MORF	HN	259	351	IAML		455	12.28			5	0.1				
GRNL	CN	346	355	ES		455	29.160	.060							1.0
GRNL	CN	346	355	IAML		455	32.03			3	0.1				

September 10 2023 Hour: 5:45 45.6 Lat: 36.71N Lon: 9.72W Depth: 16F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	55	EP		546	3.77	-.020							1.0
MORF	HE	115	55	ES		546	17.06	-.000							1.0
MORF	HN	115	55	IAML		546	18.60			3	0.1				
GRNL	CN	185	33	ES		546	32.190	.020							1.0
GRNL	CN	185	33	IAML		546	33.31			0.80	0.1				

September 10 2023 Hour: 6:36 10.0 Lat: 31.24N Lon: 8.24W Depth: 7F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	674	357	EP		637	39.25	-.100							1.0
MORF	HE	674	357	ES		638	44.780	.190							1.0
MORF	HE	674	357	IAML		638	48.87			6	0.2				
GRNL	CZ	763	358	EP		637	50.20	-.100							0.9
GRNL	CN	763	358	ES		639	3.52	-.010							0.9
GRNL	CN	763	358	IAML		639	7.88			3	0.2				

September 10 2023 Hour: 8:0 2.2 Lat: 30.98N Lon: 8.48W Depth: 26F Agency: IGL Regional
Magnitudes: 3.5ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	701	359	EP		8 1	33.190	.020							1.0
MORF	HE	701	359	ES		8 2	39.48	-.120							1.0
MORF	HE	701	359	IAML		8 2	44.40			57	0.3				
GRNL	CZ	790	359	EP		8 1	44.030	.250							0.9
GRNL	CE	790	359	ES		8 2	57.82	-.140							0.9
GRNL	CN	790	359	IAML		8 3	13.67			37	0.4				

September 10 2023 Hour: 10:47 12.9 Lat: 36.98N Lon: 6.07W 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
MORF	HZ	232	280	EP		1047	44.98	-.150							1.0
GRNL	CZ	254	300	EP		1047	47.910	.150							1.0

September 10 2023 Hour: 11:34 35.8 Lat: 10.82N Lon: 62.42W Depth: 100F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs

OFFSHORE SUCRE, VENEZUELA Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6106	52	EP		1143	55.85	-.030							1.0
MORF	BZ	6106	52	IAMB		1143	56.67			11	0.9				
GRNL	BZ	6136	51	EP		1143	57.760	.030							1.0
GRNL	BZ	6136	51	IAMB		1143	58.86			15	0.9				

September 10 2023 Hour: 11:51 52.1 Lat: 38.80N Lon: 8.12W Depth: 18F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

NW ARRARIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	86	207	EP		1152	5.850	.010							1.0
GRNL	CN	86	207	ES		1152	15.85	-.010							1.0
GRNL	CE	86	207	IAML		1152	16.93			5	0.1				

September 10 2023 Hour: 13:3 54.5 Lat: 54.33N Lon: 160.95W Depth: 10F 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
GRNL	BZ	9432	22	EP		1316	29.13	-.000							1.0
GRNL	BZ	9432	22	IAMB		1316	31.20			48	1.6				

September 10 2023 Hour: 14:38 8.3 Lat: 31.06N Lon: 8.29W Depth: 18F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	693	357	EP		1439	38.97	-.020							1.0
MORF	HE	693	357	ES		1440	45.300	.100							1.0
MORF	HE	693	357	IAML		1440	49.83			8	0.3				
GRNL	CZ	782	358	EP		1439	49.63	-.090							0.9

September 10 2023 Hour: 16:19 8.7 Lat: 30.99N Lon: 8.30W Depth: 24F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	702	357	EP		1620	40.640	.180							1.0
MORF	HN	702	357	ES		1621	47.44	-.010							1.0
MORF	HE	702	357	IAML		1621	52.41			7	0.3				
GRNL	CZ	791	358	EP		1620	50.94	-.190							0.9

September 10 2023 Hour: 18:51 39.2 Lat: 37.31N Lon: 8.54W Depth: 11F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.2 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	265	EP		1851	41.40	-.220							1.0
MORF	HN	10	265	ES		1851	43.56	0.160							1.0
MORF	HE	10	265	IAML		1851	44.35			14	0.1				
GRNL	CZ	88	359	EP		1851	53.55	0.250							1.0
GRNL	CN	88	359	ES		1852	3.43	-.180							1.0
GRNL	CN	88	359	IAML		1852	3.81			5	0.1				

September 10 2023 Hour: 20:46 42.6 Lat: 31.24N Lon: 8.18W Depth: 3F 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	674	356	EP		2048	12.37	-.000							1.0
MORF	HN	674	356	ES		2049	17.91	0.000							1.0

September 10 2023 Hour: 21:37 30.8 Lat: 37.27N Lon: 12.49W Depth: 31F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	341	88	EP		2138	13.60	0.120							1.0
MORF	HN	341	88	ES		2138	44.54	-.100							1.0
MORF	HN	341	88	IAML		2138	47.26			12	0.1				
GRNL	CZ	358	74	EP		2138	15.46	-.150							1.0
GRNL	CN	358	74	ES		2138	48.46	0.130							1.0
GRNL	CN	358	74	IAML		2138	49.60			11	0.2				

September 10 2023 Hour: 22: 6 44.0 Lat: 31.05N Lon: 8.48W Depth: 6F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	695	359	EP		22 8	16.00	-.020							1.0
MORF	HE	695	359	ES		22 9	23.21	-.000							1.0
MORF	HE	695	359	IAML		22 9	26.20			19	0.2				
GRNL	CZ	784	359	EP		22 8	26.75	-.120							0.9
GRNL	CN	784	359	ES		22 9	42.12	0.140							0.9
GRNL	CE	784	359	IAML		22 9	47.66			9	0.2				

September 10 2023 Hour: 23:15 0.6 Lat: 31.19N Lon: 8.32W Depth: 17F Agency: IGL Regional
Magnitudes: 2.9ML IGL 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	679	357	EP		2316	29.57	0.020							1.0
MORF	HN	679	357	ES		2317	34.42	-.060							1.0
MORF	HN	679	357	IAML		2317	40.64			15	0.4				
GRNL	CZ	768	358	EP		2316	40.37	-.020							0.9
GRNL	CE	768	358	ES		2317	53.31	0.070							0.9
GRNL	CN	768	358	IAML		2317	56.74			7	0.1				

September 11 2023 Hour: 1:10 6.7 Lat: 31.17N Lon: 8.09W Depth: 18F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	683	356	EP		111	36.05	-.100							1.0
MORF	HE	683	356	ES		112	41.30	-.110							1.0
MORF	HE	683	356	IAML		112	47.67			31	0.2				
GRNL	CZ	772	357	EP		111	47.02	0.110							0.9
GRNL	CE	772	357	ES		113	0.16	0.130							0.9
GRNL	CN	772	357	IAML		113	6.77			11	0.2				

September 11 2023 Hour: 4:13 13.7 Lat: 38.01N Lon: 8.33W Depth: 10F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.2 secs

SW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	24	296	EP		413	17.80	-.040							1.0
GRNL	CN	24	296	ES		413	20.66	-.220							1.0
GRNL	CN	24	296	IAML		413	21.23			46	0.1				
MORF	HZ	84	200	EPg		413	27.640	.330							1.0
MORF	HN	84	200	ES		413	36.99	-.060							1.0
MORF	HN	84	200	IAML		413	37.83			16	0.2				

September 11 2023 Hour: 4:14 26.7 Lat: 31.12N Lon: 8.29W Depth: 10F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	687	357	EP		415	57.27	-.080							1.0
GRNL	CZ	775	358	EP		416	8.290	.090							0.9

September 11 2023 Hour: 4:26 39.5 Lat: 36.69N Lon: 12.82W Depth: 28F 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	377	78	EP		427	26.53	-.160							1.0
MORF	HN	377	78	ES		428	1.420	.290							1.0
MORF	HE	377	78	IAML		428	3.29			7	0.2				
GRNL	CZ	408	66	EP		427	30.31	-.110							1.0
GRNL	CN	408	66	ES		428	7.56	-.030							1.0
GRNL	CE	408	66	IAML		428	10.28			4	0.1				

September 11 2023 Hour: 5:16 44.1 Lat: 31.24N Lon: 8.27W Depth: 0 Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	674	357	EP		518	14.280	.130							1.0
MORF	HN	674	357	ES		519	19.920	.030							1.0
MORF	HN	674	357	IAML		519	25.16			20	0.2				
GRNL	CZ	763	358	EP		518	24.98	-.180							0.9

September 11 2023 Hour: 9:20 56.7 Lat: 0.75N Lon: 26.09W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Ms 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	4428	22	EP		928	29.86	-.140							1.0
MORF	BE	4428	22	IAMs_20		937	42.42			14555	35.5				
GRNL	BZ	4511	21	EP		928	36.160	.070							1.0
GRNL	BN	4511	21	ES		934	46.340	.130							1.0
GRNL	BE	4511	21	IAMs_20		938	17.75			14390	32.7				
GGNV	BZ	4548	20	EP		928	38.77	-.060							1.0
GGNV	BE	4548	20	IAMs_20		938	6.90			17989	35.2				

September 11 2023 Hour: 9:52 12.6 Lat: 36.80N Lon: 7.68W Depth: 0 Agency: IGL Regional
Magnitudes: 2.0ML 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	103	303	EP		952	28.88	-.360							1.0
MORF	HN	103	303	ES		952	41.470	.110							1.0
MORF	HN	103	303	IAML		952	43.82			24	0.2				
GRNL	CZ	165	332	EP		952	38.630	.070							1.0
GRNL	CN	165	332	ES		952	57.690	.200							1.0
GRNL	CN	165	332	IAML		952	58.97			22	0.2				

September 11 2023 Hour: 12:46 9.3 Lat: 31.21N Lon: 8.16W Depth: 22F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	678	356	EP		1247	37.730	.070							1.0
GRNL	CZ	766	357	EP		1247	48.36	-.080							0.9

September 11 2023 Hour: 12:51 34.8 Lat: 1.13N Lon: 127.48E Depth:162FAgency: IGL Distant
Rms: 0.1 secs

HALMAHERA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ13778	319	EP	KPdf		1310	13.180	.180							0.9
GRNL	BZ13778	319	EPP			1311	57.91	-.100							1.0
MORF	BZ13833	318	EP	KPdf		1310	13.94	-.060							1.0

September 11 2023 Hour: 13:37 8.1 Lat: 27.15S Lon: 71.25W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.1 secs

OFFSHORE ATACAMA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9673	45	EP		1349	53.45	-.060							1.0
MORF	BZ	9673	45	I	Amb	1349	55.44			47	1.5				
GRNL	BZ	9734	45	EP		1349	56.110	.060							1.0
GRNL	BZ	9734	45	I	Amb	1350	1.44			20	1.4				

September 11 2023 Hour: 14:58 36.7 Lat: 37.27N Lon: 8.56W Depth: 11F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	295	EP		1458	39.02	-.010							1.0
MORF	HN	9	295	ES		1458	40.740	.010							1.0
MORF	HN	9	295	I	AML	1458	41.18			29	0.1				
GRNL	CN	93	360	ES		1459	2.330	.000							1.0
GRNL	CN	93	360	I	AML	1459	3.54			1	0.2				

September 11 2023 Hour: 15:20 43.5 Lat: 37.31N Lon: 8.55W Depth: 13F Agency: IGL Regional
Magnitudes: 1.4ML 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	266	EP		1520	45.74	-.360							1.0
MORF	HN	9	266	ES		1520	48.090	.090							1.0
MORF	HN	9	266	I	AML	1520	48.64			89	0.1				
GRNL	CZ	89	359	EP		1520	57.790	.200							1.0
GRNL	CN	89	359	ES		1521	7.970	.090							1.0
GRNL	CN	89	359	I	AML	1521	8.61			16	0.3				

September 11 2023 Hour: 17:32 2.9 Lat: 24.36N Lon: 94.91E Depth:118FAgency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs

MYANMAR-INDIA BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9474	310	EP		1744	26.100	.020							1.0
GRNL	BZ	9474	310	I	Amb	1744	27.34			12	0.8				
MORF	BZ	9522	309	EP		1744	28.25	-.020							1.0
MORF	BZ	9522	309	I	Amb	1744	29.13			12	0.9				

September 11 2023 Hour: 19:30 17.9 Lat: 31.21N Lon: 8.26W Depth: 20F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	677	357	EP		1931	46.25	-.090							1.0
GRNL	CZ	766	358	EP		1931	57.250	.090							0.9
GRNL	CN	766	358	ES		1933	9.630	.010							0.9
GRNL	CN	766	358	I	AML	1933	15.00			3	0.2				

September 11 2023 Hour: 20:59 25.7 Lat: 31.16N Lon: 8.23W Depth: 1 Agency: IGL Regional
Magnitudes: 2.2ML IGL 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	683	357	EP		21	0	56.69	-	.050					1.0
GRNL	CZ	771	358	EP		21	1	7.71	0.040						0.9
GRNL	CN	771	358	ES		21	2	22.100	0.010						0.9
GRNL	CN	771	358	IAML		21	2	27.77			2	0.2			

September 11 2023 Hour: 22:42 34.2 Lat: 31.18N Lon: 8.18W Depth: 23F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	681	356	EP		2244		2.970	0.020						1.0
MORF	HN	681	356	ES		2245		7.53	-	.190					1.0
MORF	HN	681	356	IAML		2245		13.65			7	0.2			
GRNL	CZ	770	357	EP		2244		13.900	0.200						0.9

September 12 2023 Hour: 0:25 41.7 Lat: 31.17N Lon: 8.18W Depth: 20F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	683	356	EP		027		10.89	-	.000					1.0
MORF	HN	683	356	ES		028		15.85	-	.130					1.0
MORF	HN	683	356	IAML		028		26.08			35	0.3			
GRNL	CZ	771	357	EP		027		21.670	0.010						0.9
GRNL	CE	771	357	ES		028		34.740	0.140						0.9
GRNL	CN	771	357	IAML		028		39.40			13	0.3			

September 12 2023 Hour: 0:29 57.6 Lat: 36.97N Lon: 8.62W Depth: 27F 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	37	355	EP		030		4.64	-	.080					1.0
MORF	HE	37	355	ES		030		9.980	0.080						1.0
MORF	HE	37	355	IAML		030		10.64			6	0.2			

September 12 2023 Hour: 1:18 54.9 Lat: 10.17S Lon: 161.39E Depth: 92F Agency: IGL Distant
Rms: 0.1 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ16781	344	EPKP			138		36.97	-	0.10					1.0
MORF	BZ16867	343	EPKP			138		38.84	0.10						1.0

September 12 2023 Hour: 1:51 52.5 Lat: 36.51N Lon: 7.86W Depth: 2F 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	114	322	EP		152		10.74	-	.060					1.0
MORF	HN	114	322	ES		152		24.250	0.060						1.0
MORF	HE	114	322	IAML		152		26.87			12	0.2			

September 12 2023 Hour: 3:52 55.7 Lat: 35.10N Lon: 5.87W Depth: 29F 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	350	315	EP		353		42.170	0.000						1.0

September 12 2023 Hour: 5:35 6.2 Lat: 36.68N Lon: 7.58W Depth: 24F 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	118	306	EP		535	23.85	-.200							1.0
GRNL	CZ	181	331	EP		535	31.880	.030							1.0
GRNL	CE	181	331	ES		535	50.760	.180							1.0
GRNL	CE	181	331	IAML		535	51.71			2	0.1				

September 12 2023 Hour: 5:48 2.7 Lat: 31.23N Lon: 8.25W Depth: 4F Agency: IGL Regional
Magnitudes: 2.0ML IGL 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	675	357	EP		549	32.51	0.02							1.0
GRNL	CZ	763	358	EP		549	43.40	-0.06							0.9
GRNL	CE	763	358	ES		550	57.03	0.04							0.9
GRNL	CE	763	358	IAML		550	60.00			1	0.2				

September 12 2023 Hour: 9:39 51.3 Lat: 31.18N Lon: 8.13W Depth: 9F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	681	356	EP		941	21.350	.010							1.0
MORF	HN	681	356	ES		942	27.01	-.050							1.0
MORF	HN	681	356	IAML		942	31.93			22	0.2				
GRNL	CZ	770	357	EP		941	32.320	.120							0.9
GRNL	CE	770	357	ES		942	45.77	-.080							0.9
GRNL	CN	770	357	IAML		942	51.22			14	0.1				

September 12 2023 Hour: 11:3 18.6 Lat: 19.21N Lon: 121.31E Depth: 38F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.1 secs

BABUYAN ISLANDS REGION, PHILIPPINES Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ11805	321	EP			1121	50.34	-.090							1.0
GRNL	BN11805	321	ESKSac			1128	3.370	.010							1.0
GRNL	BE11805	321	ESS			1136	49.92	-.210							1.0
GRNL	BE11805	321	IAMs_20			12 3	32.51			12787	18.7				
MORF	BZ11869	320	EP			1121	54.920	.190							1.0
MORF	BE11869	320	ESS			1136	58.180	.100							1.0
MORF	BE11869	320	IAMs_20			12 5	50.40			12763	23.5				

September 12 2023 Hour: 18:58 18.2 Lat: 31.26N Lon: 8.10W Depth: 7F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	673	356	EP		1859	47.24	-.200							1.0
MORF	HN	673	356	ES		19 0	52.710	.140							1.0
MORF	HE	673	356	IAML		19 0	56.81			14	0.3				
GRNL	CZ	761	357	EP		1859	58.440	.070							0.9

September 12 2023 Hour: 21:52 26.3 Lat: 31.20N Lon: 8.44W Depth: 1 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	677	358	EP		2153	56.660	.000							1.0
GRNL	CZ	766	359	EP		2154	7.66	-.000							0.9

September 13 2023 Hour: 1:13 44.5 Lat: 31.24N Lon: 8.14W Depth: 13F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	674	356	EP		115	13.08	-.160							1.0
GRNL	CZ	763	357	EP		115	24.280	.160							0.9
GRNL	CE	763	357	ES		116	36.860	.010							0.9
GRNL	CN	763	357	IAML		116	40.42			11	0.4				

September 13 2023 Hour: 1:58 39.2 Lat: 39.03N Lon: 9.11W Depth: 13F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

NE SOBRAL DE MONTE AGRACO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	36	186	EP		158	45.17	-.090							1.0
GGNV	HE	36	186	ES		158	49.700	.010							1.0
GGNV	HE	36	186	IAML		158	50.47			166	0.2				
GRNL	CZ	113	155	EP		158	56.96	-.040							1.0
GRNL	CN	113	155	ES		159	10.120	.130							1.0
GRNL	CN	113	155	IAML		159	12.03			16	0.2				

September 13 2023 Hour: 7:11 40.5 Lat: 31.10N Lon: 8.26W Depth: 7F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	689	357	EP		713	11.62	-.120							1.0
GRNL	CZ	778	358	EP		713	22.710	.130							0.9

September 13 2023 Hour: 8:54 21.7 Lat: 36.66N Lon: 8.36W Depth: 17F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	77	340	EP		854	34.300	.260							1.0
MORF	HE	77	340	ES		854	42.79	-.260							1.0
MORF	HE	77	340	IAML		854	44.96			25	0.2				

September 13 2023 Hour: 11:49 15.9 Lat: 36.22S Lon: 97.94W Depth: 10F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

WEST CHILE RISE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ12264	58	EPP			12	8	22.53	-.050						1.0
MORF	BE12264	58	ESS			1223	51.32	-.070							1.0
MORF	BZ12264	58	IAMs_20			1248	2.94			4761	14.4				
GGNV	BZ12306	57	EPP			12	8	25.200	.010						1.0
GGNV	BE12306	57	ESS			1223	56.24	-.020							1.0
GGNV	BE12306	57	IAMs_20			1250	54.09			5437	17.9				
GRNL	BZ12316	58	EPP			12	8	25.83	-.020						1.0
GRNL	BE12316	58	ESS			1223	57.630	.160							0.9
GRNL	BZ12316	58	IAMs_20			1248	23.82			6945	17.9				

September 13 2023 Hour: 15:45 8.0 Lat: 31.17N Lon: 8.17W Depth: 15F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	682	356	EP		1546	37.44	-.130							1.0
GRNL	CE	771	357	ES		1548	1.810	.150							0.9
GRNL	CE	771	357	IAML		1548	8.64			8	0.3				

September 13 2023 Hour: 17:51 8.3 Lat: 15.25N Lon: 39.48E Depth: 15F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

ERITREA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	5338	308	EP		1759	46.330	.000							1.0
GRNL	BZ	5338	308	IAMB		1759	59.07			41	1.6				

September 13 2023 Hour: 21:32 42.1 Lat: 31.24N Lon: 8.27W Depth: 4F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	674	357	EP		2134	11.780	.070							1.0
MORF	HE	674	357	ES		2135	17.07	-.070							1.0
MORF	HN	674	357	IAML		2135	20.38			3	0.3				
GRNL	CZ	762	358	EP		2134	22.700	.000							0.9

September 13 2023 Hour: 22:20 37.7 Lat: 31.27N Lon: 8.31W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	670	357	EP		2222	7.30	-.040							1.0
GRNL	CZ	759	358	EP		2222	18.430	.040							0.9

September 14 2023 Hour: 4:4 47.1 Lat: 37.07N Lon: 8.81W Depth: 18F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

E VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	30	28	EP		4 4	52.50	-.150							1.0
MORF	HN	30	28	ES		4 4	56.860	.150							1.0
MORF	HN	30	28	IAML		4 4	57.60			5	0.1				

September 14 2023 Hour: 5:53 19.8 Lat: 31.21N Lon: 8.13W Depth: 10F Agency: IGL Regional
Magnitudes: 4.3ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	678	356	EP		554	49.12	-.150							1.0
MORF	HN	678	356	ES		555	54.680	.080							1.0
MORF	HN	678	356	IAML		555	59.94			407	0.2				
GRNL	CZ	766	357	EP		554	59.99	-.160							0.9
GRNL	CN	766	357	ES		556	13.480	.060							0.9
GRNL	CN	766	357	IAML		556	17.29			242	0.4				
GGNV	HZ	838	354	EP		555	8.760	.200							0.9

September 14 2023 Hour: 8:16 57.6 Lat: 31.21N Lon: 8.18W Depth: 13F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	677	356	EP		818	26.57	-0.14							1.0
GRNL	CZ	766	357	EP		818	37.73	0.15							0.9

September 14 2023 Hour: 11:26 24.2 Lat: 31.17N Lon: 8.19W Depth: 17F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	682	357	ES		1128	58.89	-.020							1.0
MORF	HE	682	357	IAML		1129	3.05			23	0.2				
GRNL	CZ	771	357	EP		1128	4.39	-.050							0.9
GRNL	CE	771	357	ES		1129	17.660	.070							0.9
GRNL	CE	771	357	IAML		1129	20.60			5	0.2				

September 14 2023 Hour: 12:28 27.2 Lat: 37.33N Lon: 8.47W Depth: 14F 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	16	260	EP		1228	30.68	-.050							1.0
MORF	HN	16	260	ES		1228	33.300	.010							1.0
MORF	HN	16	260	IAML		1228	33.80			37	0.2				
GRNL	CN	87	354	ES		1228	51.230	.050							1.0
GRNL	CN	87	354	IAML		1228	51.97			3	0.2				

September 14 2023 Hour: 14:15 46.7 Lat: 34.37N Lon: 9.84W Depth: 34F 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	343	18	EP		1416	32.160	.110							1.0
MORF	HE	343	18	ES		1417	5.07	-.110							1.0
MORF	HN	343	18	IAML		1417	7.45			6	0.3				

September 14 2023 Hour: 17:55 14.2 Lat: 35.87N Lon: 8.74W Depth: 26F 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	159	3	EP		1755	37.02	-.140							1.0
MORF	HN	159	3	ES		1755	54.040	.140							1.0
MORF	HE	159	3	IAML		1755	55.13			3	0.1				

September 14 2023 Hour: 18:42 20.0 Lat: 31.21N Lon: 8.24W Depth: 18F 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	678	357	EP		1843	48.67	-.040							1.0
GRNL	CZ	766	358	EP		1843	59.580	.040							0.9

September 14 2023 Hour: 19: 2 48.9 Lat: 36.72N Lon: 9.42W Depth: 20F 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	94	46	EP		19 3	4.010	.080							1.0
MORF	HE	94	46	ES		19 3	14.93	-.000							1.0
MORF	HN	94	46	IAML		19 3	16.68			7	0.1				
GRNL	CN	172	26	ES		19 3	31.79	-.080							1.0
GRNL	CE	172	26	IAML		19 3	33.00			3	0.1				

September 14 2023 Hour: 19:58 44.4 Lat: 6.20S Lon: 149.60E Depth: 62F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ15869	331	EPKP			2018	9.59	-.100							1.0
GRNL	BE15869	331	IAMs_20			2110	59.00			1032	26.4				
MORF	BZ15944	330	EPKP			2018	11.030	.100							1.0
MORF	BN15944	330	IAMs_20			2116	12.61			2667	23.0				

September 14 2023 Hour: 23:48 20.3 Lat: 31.25N Lon: 8.16W Depth: 5F 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	674	356	EP		2349	49.880	.000							1.0
GRNL	CZ	762	357	EP		2350	0.83	-.000							0.9

September 15 2023 Hour: 4:13 14.5 Lat: 31.21N Lon: 8.25W Depth: 7F Agency: IGL Regional
Magnitudes: 2.5ML IGL 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	677	357	EP		414	44.280	.030							1.0
MORF	HN	677	357	ES		415	49.75-	.030							1.0
MORF	HN	677	357	IAML		415	53.85			5	0.1				

September 15 2023 Hour: 17:42 25.9 Lat: 31.17N Lon: 8.19W Depth: 17F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	681	357	EP		1743	55.08-	.100							1.0
GRNL	CZ	770	358	EP		1744	6.100	.120							0.9

September 15 2023 Hour: 18: 7 39.8 Lat: 27.31S Lon: 71.57W Depth: 5F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs

OFFSHORE ATACAMA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9708	45	EP		1820	27.660	.100							1.0
MORF	BE	9708	45	ESKSac		1830	55.120	.050							1.0
MORF	BZ	9708	45	IAMs_20		1858	26.09			2671	17.8				
GRNL	BZ	9768	45	EP		1820	29.95-	.120							1.0
GRNL	BN	9768	45	ESKSac		1830	58.14-	.140							1.0
GRNL	BZ	9768	45	IAMs_20		1858	33.50			1780	19.1				
GGNV	BZ	9769	44	EP		1820	30.200	.110							1.0
GGNV	BZ	9769	44	IAMs_20		1858	22.89			2599	22.5				

September 15 2023 Hour: 22:12 48.2 Lat: 37.10N Lon: 8.44W Depth: 9F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	30	321	EP		2212	53.230	.010							1.0
GRNL	CE	113	354	ES		2213	19.23-	.010							1.0
GRNL	CE	113	354	IAML		2213	20.76			1	0.2				

September 15 2023 Hour: 23:49 56.0 Lat: 38.03N Lon: 8.70W Depth: 16F Agency: IGL Regional
Magnitudes: 3.8ML IGL Rms: 0.2 secs

N SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	14	56	EP		2349	59.23-	.210							1.0
GRNL	CN	14	56	ES		2350	1.960	.000							1.0
GRNL	CN	14	56	IAML		2350	2.51			10809	0.2				
MORF	HZ	81	177	EP		2350	9.180	.150							1.0
MORF	HN	81	177	ES		2350	18.790	.250							1.0
MORF	HN	81	177	IAML		2350	19.45			7827	0.2				
GGNV	HZ	85	333	EP		2350	9.42-	.150							1.0
GGNV	HE	85	333	ES		2350	19.45-	.030							1.0
GGNV	HN	85	333	IAML		2350	21.90			1725	0.2				

September 16 2023 Hour: 0: 7 9.5 Lat: 38.04N Lon: 8.72W Depth: 13F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NW SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	16	59	EP		0 7	12.63-	.140							1.0
GRNL	CN	16	59	ES		0 7	15.12-	.040							1.0
GRNL	CE	16	59	IAML		0 7	16.15			14	0.2				
MORF	HZ	82	176	EP		0 7	22.730	.170							1.0
MORF	HN	82	176	ES		0 7	32.100	.020							1.0
MORF	HN	82	176	IAML		0 7	33.01			7	0.3				

September 16 2023 Hour: 0:25 42.2 Lat: 38.04N Lon: 8.73W Depth: 14F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.2 secs

NW SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	16	61	EP		025	45.38	-.260							1.0
GRNL	CN	16	61	ES		025	48.180	.030							1.0
GRNL	CE	16	61	IAML		025	48.92			5	0.1				
MORF	HZ	82	175	EP		025	55.510	.220							1.0
MORF	HN	82	175	ES		026	4.860	.020							1.0
MORF	HN	82	175	IAML		026	5.60			4	0.3				

September 16 2023 Hour: 1: 7 30.8 Lat: 38.03N Lon: 8.73W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NW SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	16	59	EP		1 7	33.87	-.230							1.0
GRNL	CN	16	59	ES		1 7	36.500	.030							1.0
MORF	HZ	81	175	EP		1 7	44.040	.190							1.0
MORF	HN	81	175	ES		1 7	53.370	.020							1.0
MORF	HN	81	175	IAML		1 7	54.08			4	0.2				

September 16 2023 Hour: 1:52 10.3 Lat: 38.04N Lon: 8.73W Depth: 13F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NW SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	16	62	EP		152	13.38	-.190							1.0
GRNL	CN	16	62	ES		152	16.080	.100							1.0
GRNL	CE	16	62	IAML		152	16.68			48	0.2				
GRNL	CN	16	62	IAML		152	16.91			39	0.1				
MORF	HZ	82	175	EP		152	23.490	.090							1.0
MORF	HN	82	175	ES		152	32.990	.010							1.0
MORF	HN	82	175	IAML		152	33.60			39	0.2				

September 16 2023 Hour: 3:37 8.5 Lat: 38.04N Lon: 8.73W Depth: 12F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

NW SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	16	63	EP		337	11.55	-.200							1.0
GRNL	CN	16	63	ES		337	14.220	.110							1.0
GRNL	CE	16	63	IAML		337	15.08			7	0.1				
MORF	HZ	82	175	EP		337	21.780	.080							1.0
MORF	HN	82	175	ES		337	31.330	.010							1.0
MORF	HN	82	175	IAML		337	31.59			5	0.2				

September 16 2023 Hour: 5: 5 58.6 Lat: 36.52N Lon: 9.73W 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	HN	129	47	ES		5 6	34.100	.130							1.0
MORF	HN	129	47	IAML		5 6	34.99			3	0.1				
GRNL	CZ	204	30	EP		5 6	28.26	-.160							1.0
GRNL	CN	204	30	ES		5 6	50.180	.020							1.0
GRNL	CN	204	30	IAML		5 6	51.83			4	0.2				

September 16 2023 Hour: 7: 3 7.8 Lat: 31.22N Lon: 8.33W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	765	358	EP		7 4	49.09	-.000							1.0

September 16 2023 Hour: 9:20 38.8 Lat: 31.23N Lon: 8.17W Depth: 1 Agency: IGL Regional
Magnitudes: 2.2ML IGL 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	675	356	EP		922	8.870	.000							1.0
GRNL	CZ	764	357	EP		922	19.900	.060							0.9
GRNL	CN	764	357	ES		923	33.55-	.070							0.9
GRNL	CE	764	357	IAML		923	37.34			2	0.2				

September 16 2023 Hour: 11:38 31.8 Lat: 36.91N Lon: 13.84W Depth: 15F Agency: IGL Regional
Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	463	83	EP		1139	29.430	.080							1.0
GRNL	CZ	484	72	EP		1139	31.86-	.080							1.0

September 16 2023 Hour: 12:1 58.7 Lat: 37.01N Lon: 13.68W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	448	84	EP		12 2	55.220	.100							1.0
GRNL	CZ	468	73	EP		12 2	57.42-	.100							1.0

September 16 2023 Hour: 12:2 40.9 Lat: 31.08N Lon: 8.29W Depth: 16F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	691	357	EP		12 4	11.43-	.150							1.0
MORF	HN	691	357	ES		12 5	17.810	.050							1.0
MORF	HN	691	357	IAML		12 5	22.60			9	0.2				
GRNL	CZ	780	358	EP		12 4	22.440	.100							0.9
GRNL	CN	780	358	ES		12 5	36.380	.010							0.9
GRNL	CN	780	358	IAML		12 5	39.89			5	0.3				

September 16 2023 Hour: 14:11 38.0 Lat: 36.73N Lon: 7.57W Depth: 26F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	304	EP		1411	55.34-	.150							1.0
MORF	HN	116	304	ES		1412	8.350	.100							1.0
MORF	HN	116	304	IAML		1412	8.95			19	0.2				
GRNL	CZ	177	330	EP		1412	2.99-	.030							1.0
GRNL	CN	177	330	ES		1412	21.360	.080							1.0
GRNL	CN	177	330	IAML		1412	23.10			5	0.1				

September 16 2023 Hour: 18:43 11.9 Lat: 31.20N Lon: 7.16W Depth: 23F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	691	349	EP		1844	41.72-	.080							1.0
GRNL	CZ	777	351	EP		1844	52.300	.110							0.9
GRNL	CE	777	351	ES		1846	5.42-	.020							0.9
GRNL	CN	777	351	IAML		1846	9.15			5	0.4				

September 16 2023 Hour: 19:34 3.2 Lat: 31.28N Lon: 8.10W Depth: 1F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	670	356	EP		1935	32.65-	.080							1.0
MORF	HE	670	356	ES		1936	38.270	.170							1.0
MORF	HE	670	356	IAML		1936	44.73			20	0.3				
GRNL	CZ	759	357	EP		1935	43.66-	.070							0.9
GRNL	CN	759	357	ES		1936	57.09-	.040							0.9

GRNL CE 759 357 IAML 1937 1.74 7 0.4

September 16 2023 Hour: 23:22 36.5 Lat: 31.02N Lon: 8.33W Depth: 15F Agency: IGL Regional Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	698	358	EP		2324	8.220	.150							1.0
GRNL	CZ	787	358	EP		2324	18.63	-.170							0.9

September 17 2023 Hour: 0:49 31.7 Lat: 36.69N Lon: 11.10W Depth: 31F Agency: IGL Regional Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	228	72	EP		050	2.180	.050							1.0
MORF	HN	228	72	ES		050	24.16	-.170							1.0
MORF	HN	228	72	IAML		050	25.34		2	0.2					
GRNL	CZ	274	54	EP		050	7.890	.130							1.0

September 17 2023 Hour: 1:32 33.3 Lat: 36.40N Lon: 9.10W Depth: 14F Agency: IGL Regional Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	108	21	EP		132	50.23	-.140							1.0
MORF	HN	108	21	ES		133	2.990	.140							1.0
MORF	HN	108	21	IAML		133	4.88		6	0.3					

September 17 2023 Hour: 8: 8 57.8 Lat: 36.14N Lon: 9.77W Depth: 31F Agency: IGL Regional Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	163	37	EP		8 9	20.120	.040							1.0
MORF	HN	163	37	ES		8 9	36.480	.140							1.0
MORF	HN	163	37	IAML		8 9	37.29		8	0.2					
GRNL	CZ	243	26	EP		8 9	29.71	-.260							1.0
GRNL	CN	243	26	ES		8 9	53.500	.060							1.0
GRNL	CN	243	26	IAML		8 9	55.25		8	0.1					

September 17 2023 Hour: 11:57 25.5 Lat: 33.87N Lon: 15.26W Depth: 1F Agency: IGL Regional 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	710	56	EP		1158	53.84	-.220							1.0
GRNL	CZ	765	50	EP		1159	1.040	.270							1.0
GRNL	CE	765	50	ES		12 0	10.26	-.040							1.0
GRNL	CN	765	50	IAML		12 0	17.69		9	0.1					

September 17 2023 Hour: 16:33 58.9 Lat: 31.01N Lon: 8.12W Depth: 23F 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	700	356	EP		1635	29.88	-.050							1.0
GRNL	CZ	788	357	EP		1635	40.590	.060							0.9

September 17 2023 Hour: 22: 8 7.3 Lat: 37.10N Lon: 8.65W Depth: 19F Agency: IGL Regional Rms: 0.1 secs

E LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	22	359	EP		22 8	11.87	-.120							1.0
MORF	HN	22	359	ES		22 8	15.570	.150							1.0
MORF	HN	22	359	IAML		22 8	16.25		15	0.1					
GRNL	CN	112	4	ES		22 8	37.58	-.020							1.0
GRNL	CE	112	4	IAML		22 8	39.17		3	0.2					

September 17 2023 Hour: 22:36 56.6 Lat: 36.60N Lon: 9.71W Depth: 15F 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	123	50	EP		2237	15.820	.010							1.0
MORF	HE	123	50	ES		2237	30.000	.150							1.0
MORF	HN	123	50	IAML		2237	30.31			26	0.1				
GRNL	CZ	196	31	EP		2237	24.68	-.190							1.0
GRNL	CE	196	31	ES		2237	45.540	.030							1.0
GRNL	CN	196	31	IAML		2237	46.28			12	0.1				

September 17 2023 Hour: 23: 6 23.9 Lat: 31.30N Lon: 8.31W Depth: 1 Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	667	357	EP		23 7	53.090	.100							1.0
GRNL	CZ	756	358	EP		23 8	4.080	.040							0.9
GRNL	CN	756	358	ES		23 9	17.00	-.160							0.9
GRNL	CN	756	358	IAML		23 9	21.76			7	0.2				

September 18 2023 Hour: 1:50 55.3 Lat: 37.57N Lon: 9.60W Depth: 26F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.2 secs

NORTH ATLANTIC OCEAN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	89	109	EP		151	9.450	.010							1.0
MORF	HE	89	109	ES		151	19.970	.200							1.0
MORF	HE	89	109	IAML		151	21.29			3	0.2				
GRNL	CZ	109	56	EP		151	11.57	-.330							1.0
GRNL	CN	109	56	ES		151	24.150	.120							1.0
GRNL	CN	109	56	IAML		151	24.62			3	0.1				

September 18 2023 Hour: 6: 3 47.5 Lat: 31.35N Lon: 8.20W Depth: 13F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	661	357	EP		6 5	14.65	-.040							1.0
GRNL	CZ	750	358	EP		6 5	25.58	-.090							0.9
GRNL	CN	750	358	ES		6 6	37.460	.130							0.9
GRNL	CN	750	358	IAML		6 6	41.42			3	0.2				

September 18 2023 Hour: 7:31 51.6 Lat: 35.81N Lon: 4.71W Depth: 87F 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	390	296	EP		732	42.170	.000							1.0

September 18 2023 Hour: 10:21 7.1 Lat: 38.78N Lon: 9.41W Depth: 1F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

SW SINTRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	105	135	EP		1021	23.92	-.080							1.0
GRNL	CE	105	135	ES		1021	36.410	.080							1.0
GRNL	CN	105	135	IAML		1021	38.00			10	0.2				

September 18 2023 Hour: 11:54 51.5 Lat: 37.37N Lon: 8.45W Depth: 13F 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	19	250	EP		1154	55.350	.010							1.0
MORF	HN	19	250	ES		1154	58.10	-.010							1.0
MORF	HN	19	250	IAML		1154	58.85			12	0.2				

September 18 2023 Hour: 13: 0 58.6 Lat: 36.11N Lon: 8.56W Depth: 27F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	133	356	EP		13	1	17.96							1.0
MORF	HN	133	356	ES		13	1	32.500							1.0
MORF	HE	133	356	IAML		13	1	33.90		18	0.1				
GRNL	CZ	222	360	EP		13	1	29.07							1.0
GRNL	CE	222	360	ES		13	1	51.520							1.0
GRNL	CN	222	360	IAML		13	1	52.65		13	0.3				

September 18 2023 Hour: 13:13 26.7 Lat: 36.75N Lon: 9.67W Depth: 21F Agency: IGL Regional
Magnitudes: 3.1ML 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	110	56	EP		13	13	43.850							1.0
MORF	HN	110	56	ES		13	13	56.19							1.0
MORF	HN	110	56	IAML		13	13	57.27		522	0.2				
GRNL	CZ	180	33	EP		13	13	52.35							1.0
GRNL	CN	180	33	ES		13	14	11.470							1.0
GRNL	CE	180	33	IAML		13	14	13.84		138	0.2				

September 18 2023 Hour: 13:21 24.0 Lat: 26.43N Lon: 125.30E Depth:184F Agency: IGL Distant
Rms: 0.1 secs

NORTHEAST OF TAIWAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11396	325	EP			13	39	13.760							1.0
GRNL	BZ11414	324	EPdif			13	34	59.500							0.9
GRNL	BZ11414	324	EP			13	39	14.83							1.0
GRNL	BN11414	324	ESKSac			13	45	20.87							1.0
MORF	BZ11486	324	EPdif			13	35	2.17							1.0
MORF	BZ11486	324	EP			13	39	19.67							1.0
MORF	BE11486	324	ESKSac			13	45	24.05							1.0

September 18 2023 Hour: 19: 8 39.3 Lat: 37.22N Lon: 8.52W Depth: 21F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NW SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	308	EP		19	8	43.35							1.0
MORF	HE	14	308	ES		19	8	46.460							1.0
MORF	HE	14	308	IAML		19	8	46.58		17	0.1				

September 18 2023 Hour: 20:31 35.6 Lat: 35.09N Lon: 11.83W Depth: 2F 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	377	48	EP		20	32	27.62							1.0
MORF	HN	377	48	ES		20	33	5.820							1.0
MORF	HN	377	48	IAML		20	33	7.68		7	0.1				
GRNL	CZ	444	40	EP		20	32	35.99							1.0
GRNL	CN	444	40	ES		20	33	20.170							1.0
GRNL	CN	444	40	IAML		20	33	23.01		10	0.1				

September 18 2023 Hour: 22:12 17.5 Lat: 37.03N Lon: 8.84W Depth: 24F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

SE VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	35	28	EP		22	12	24.19							1.0
MORF	HE	35	28	ES		22	12	29.090							1.0
MORF	HN	35	28	IAML		22	12	29.71		9	0.1				

September 19 2023 Hour: 1:21 39.4 Lat: 38.05N Lon: 8.63W Depth: 11F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

NE SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	9	38	EP		121	41.63	-.020							1.0
GRNL	CN	9	38	ES		121	43.330	.020							1.0
GRNL	CN	9	38	IAML		121	43.42			18	0.1				

September 19 2023 Hour: 2:41 3.5 Lat: 36.46N Lon: 8.01W Depth: 19F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	110	329	EP		241	20.930	.150							1.0
MORF	HN	110	329	ES		241	33.27	-.150							1.0
MORF	HN	110	329	IAML		241	34.54			2	0.1				

September 19 2023 Hour: 3:51 34.7 Lat: 36.53N Lon: 9.78W Depth: 12F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	132	49	EP		351	55.350	.050							1.0
MORF	HE	132	49	ES		352	10.30	-.050							1.0
MORF	HN	132	49	IAML		352	12.60			3	0.1				

September 19 2023 Hour: 6:42 43.3 Lat: 37.01N Lon: 13.67W Depth: 30F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	447	84	EP		643	38.990	.050							1.0
MORF	HN	447	84	ES		644	19.620	.030							1.0
MORF	HE	447	84	IAML		644	22.28			14	0.1				
GRNL	CZ	467	73	EP		643	41.24	-.090							1.0
GRNL	CE	467	73	ES		644	23.740	.010							1.0
GRNL	CE	467	73	IAML		644	26.98			8	0.2				

September 19 2023 Hour: 7: 0 8.2 Lat: 36.18N Lon: 8.43W Depth: 1 Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	351	EP		7 0	28.41	-.210							1.0
MORF	HN	126	351	ES		7 0	43.700	.210							1.0
MORF	HN	126	351	IAML		7 0	44.71			3	0.1				

September 19 2023 Hour: 7: 2 33.4 Lat: 31.17N Lon: 8.23W Depth: 13F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	682	357	EP		7 4	3.09	-.070							1.0
GRNL	CZ	771	358	EP		7 4	14.080	.080							0.9

September 19 2023 Hour: 9:51 15.1 Lat: 35.90N Lon: 10.44W Depth: 32F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	223	45	EP		951	45.660	.100							1.0
MORF	HN	223	45	ES		952	7.69	-.100							1.0
MORF	HN	223	45	IAML		952	9.16			7					
GRNL	CZ	296	34	EP		951	54.43	-.150							1.0
GRNL	CN	296	34	ES		952	23.550	.150							1.0
GRNL	CN	296	34	IAML		952	24.91			8	0.1				

September 19 2023 Hour: 13:43 8.9 Lat: 31.17N Lon: 8.22W Depth: 17F Agency: IGL Regional
Magnitudes: 2.4ML 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	681	357	EP		1344	36.18	-.410							1.0
MORF	HN	681	357	ES		1345	40.81	0.220							1.0
MORF	HN	681	357	IAML		1345	43.21			4	0.3				
MESJ	HZ	740	0	EP		1344	43.49	0.060							1.0
GRNL	CZ	770	358	EP		1344	47.05	0.040							0.9
GRNL	CN	770	358	ES		1345	58.74	0.120							0.9
GRNL	CN	770	358	IAML		1346	3.72			3	0.2				

September 20 2023 Hour: 2:58 38.0 Lat: 37.33N Lon: 8.81W Depth: 22F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	100	EP		258	41.97	-.200							1.0
MORF	HE	14	100	ES		258	45.20	-.030							1.0
MORF	HN	14	100	IAML		258	45.60			70	0.1				
MESJ	HZ	77	42	EP		258	50.70	0.200							1.0
MESJ	HN	77	42	ES		258	59.60	-.050							1.0
MESJ	HN	77	42	IAML		259	0.72			20	0.2				
GRNL	CZ	89	14	EP		258	52.13	-.060							1.0
GRNL	CN	89	14	ES		259	2.74	0.160							1.0
GRNL	CN	89	14	IAML		259	3.38			9	0.1				

September 20 2023 Hour: 3:21 2.7 Lat: 37.32N Lon: 8.81W Depth: 22F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

N ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	99	EP		321	6.65	-.160							1.0
MORF	HE	14	99	ES		321	9.85	0.010							1.0
MORF	HN	14	99	IAML		321	10.10			49	0.2				
MESJ	HZ	77	42	EP		321	15.11	-.050							1.0
MESJ	HE	77	42	ES		321	24.36	0.070							1.0
MESJ	HN	77	42	IAML		321	25.32			20	0.2				
GRNL	CZ	90	13	EP		321	16.96	0.070							1.0
GRNL	CN	90	13	ES		321	27.37	0.080							1.0
GRNL	CN	90	13	IAML		321	28.02			7	0.2				

September 20 2023 Hour: 8:9 7.3 Lat: 31.19N Lon: 8.27W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	679	357	EP		810	37.94	-.080							1.0
MESJ	HZ	738	0	EP		810	45.36	0.050							1.0
GRNL	CZ	768	358	EP		810	49.04	0.040							0.9

September 20 2023 Hour: 15:45 21.2 Lat: 31.26N Lon: 8.27W Depth: 5F 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	672	357	EP		1546	50.53	-.000							1.0

September 21 2023 Hour: 1:14 0.2 Lat: 54.97N Lon: 160.37W Depth: 51F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.1 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9272	22	EP		126	22.01	0.170							1.0
GGNV	BZ	9272	22	IAMs_20		2	1	30.27		2987	36.7				
GRNL	BZ	9351	22	EP		126	25.48	0.000							1.0
GRNL	BZ	9351	22	IAMs_20		2	1	14.51		1379	25.0				
MESJ	BZ	9388	22	EP		126	27.07	-.110							1.0

MESJ BZ 9388 22 IAMS_20 2 1 1.20 982 20.5
MORF BZ 9435 22 EP 126 29.29-.060 1.0
MORF BZ 9435 22 IAMS_20 2 2 13.15 1324 18.2

**September 21 2023 Hour: 4:50 57.7 Lat: 37.14N Lon: 6.97W Depth: 1F 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
MESJ	HZ	135	305	EP		451	19.600	.100							1.0
MORF	HN	151	278	ES		451	39.41-	.000							1.0
MORF	HN	151	278	IAML		451	41.15		6	0.2					
GRNL	CZ	178	308	EP		451	25.03-	.100							1.0

**September 21 2023 Hour: 9:31 49.2 Lat: 36.26N Lon: 8.40W Depth: 4F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	349	EP		932	8.330	.080							1.0
MESJ	HZ	176	5	EP		932	16.11-	.020							1.0
MESJ	HE	176	5	ES		932	35.860	.080							1.0
MESJ	HN	176	5	IAML		932	36.55		2	0.2					
GRNL	CZ	206	356	EP		932	19.66-	.150							1.0

**September 21 2023 Hour: 13:27 29.4 Lat: 31.15N Lon: 8.22W Depth: 23F Agency: IGL Regional
Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	685	357	EP		1328	58.37-	0.13							1.0
MESJ	HZ	743	360	EP		1329	5.63-	0.02							1.0
GRNL	CZ	773	358	EP		1329	9.40	0.17							0.9

**September 21 2023 Hour: 15:20 28.2 Lat: 30.69S Lon: 177.99W Depth: 4F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs**

KERMADEC ISLANDS, NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ18748	47	EPKpdf			1540	35.800	.050							1.0
GRNL	BZ18748	47	IAMS_20			1651	34.48		879	25.2					
MESJ	BZ18790	47	EPKpdf			1540	35.97-	.040							1.0
MESJ	BZ18790	47	IAMS_20			1654	19.81		694	18.7					
MORF	BZ18794	50	EPKpdf			1540	36.07-	.010							1.0
MORF	BZ18794	50	IAMS_20			1658	5.45		969	19.8					

**September 21 2023 Hour: 19:45 22.3 Lat: 36.67N Lon: 9.67W Depth: 21F 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	115	52	EP		1945	40.01-	.090							1.0
MORF	HE	115	52	ES		1945	53.080	.020							1.0
MORF	HE	115	52	IAML		1945	54.12		25	0.2					
MESJ	HZ	183	44	EP		1945	48.40-	.120							1.0
MESJ	HE	183	44	ES		1946	7.780	.150							1.0
MESJ	HN	183	44	IAML		1946	8.54		6	0.1					
GRNL	CZ	187	31	EP		1945	48.88-	.170							1.0
GRNL	CN	187	31	ES		1946	8.750	.210							1.0
GRNL	CN	187	31	IAML		1946	10.02		10	0.1					

**September 21 2023 Hour: 21:11 50.3 Lat: 14.00S Lon: 167.19E Depth:188F Agency: IGL Distant
Rms: 0.1 secs**

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17271	353	EPKpdf			2131	20.300	.190							0.9
GGNV	BZ17271	353	EPKpab			2131	46.39-	.270							0.9
GRNL	BZ17329	352	EPKpdf			2131	20.870	.030							1.0
GRNL	BZ17329	352	EPKpab			2131	48.87-	.080							1.0

MESJ	BZ17353	351	EPKPdf	2131	21.230.100												1.0
MESJ	BZ17353	351	EPKPab	2131	49.890.010												1.0
MORF	BZ17418	352	EPKPdf	2131	21.990.030												1.0
MORF	BZ17418	352	EPKPab	2131	52.42-.060												1.0

September 22 2023 Hour: 1:8 11.4 Lat: 31.18N Lon: 8.20W Depth: 22F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	680	357	EP		1 9	39.94-.190								1.0
MORF	HN	680	357	ES		110	44.960.080								1.0
MORF	HN	680	357	IAML		110	47.29			10	0.3				
MESJ	HZ	738	360	EP		1 9	47.500.200								1.0
GRNL	CZ	769	358	EP		1 9	50.81-.080								0.9

September 22 2023 Hour: 2:11 55.9 Lat: 8.72S Lon: 74.39W Depth:132FAgency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs

CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	8559	48	EP		223	33.72-.010								1.0
GRNL	BZ	8559	48	IAMB		223	34.72			11	0.7				

September 22 2023 Hour: 2:17 38.9 Lat: 36.74N Lon: 8.24W Depth: 22F 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	73	330	EP		217	50.950.170								1.0
MORF	HE	73	330	ES		217	59.43-.010								1.0
MORF	HN	73	330	IAML		217	59.83			20	0.3				
MESJ	HE	122	1	ES		218	10.76-.160								1.0
MESJ	HN	122	1	IAML		218	11.62			3	0.2				

September 22 2023 Hour: 3:31 46.4 Lat: 31.16N Lon: 8.29W Depth: 15F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	683	357	EP		333	16.210.170								1.0
MORF	HN	683	357	ES		334	21.540.070								1.0
MORF	HN	683	357	IAML		334	26.02			9	0.3				
MESJ	HN	741	0	ES		334	34.03-.030								1.0
MESJ	HN	741	0	IAML		334	44.17			5	0.5				
GRNL	CZ	771	358	EP		333	26.63-.230								0.9

September 22 2023 Hour: 9:4 42.3 Lat: 54.98N Lon: 160.48W Depth: 44F Agency: IGL Distant
Magnitudes: 5.1Mb 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
GRNL	BZ	9352	22	EP		917	8.43-.000								1.0
GRNL	BZ	9352	22	IAMB		917	10.37			20	1.0				

September 22 2023 Hour: 11:10 42.3 Lat: 36.78N Lon: 9.65W Depth: 18F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	107	56	EP		1110	59.240.020								1.0
MORF	HE	107	56	ES		1111	11.640.080								1.0
MORF	HE	107	56	IAML		1111	12.33			8	0.2				
GRNL	CZ	176	33	EP		1111	7.75-.190								1.0
GRNL	CE	176	33	ES		1111	26.710.080								1.0
GRNL	CE	176	33	IAML		1111	27.60			3	0.1				

September 22 2023 Hour: 12:13 14.8 Lat: 36.96N Lon: 10.41W Depth: 13F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	161	76	EP		1213	39.000	.110							1.0
MORF	HE	161	76	ES		1213	56.44	-.050							1.0
MORF	HE	161	76	IAML		1213	57.04			5	0.1				
GRNL	CZ	207	51	EP		1213	44.54	-.020							1.0
MESJ	HN	217	63	ES		1214	8.51	-.040							1.0
MESJ	HN	217	63	IAML		1214	10.76			0.90	0.1				

September 22 2023 Hour: 12:34 21.7 Lat: 36.68N Lon: 12.78W Depth: 10F Agency: IGL Regional
Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	374	78	EP		1235	8.34	-.120							1.0
GRNL	CZ	406	66	EP		1235	12.350	.120							1.0

September 22 2023 Hour: 18:27 47.2 Lat: 38.05N Lon: 8.74W Depth: 14F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NW SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	16	65	EP		1827	50.51	-.120							1.0
GRNL	CN	16	65	ES		1827	53.330	.170							1.0
GRNL	CN	16	65	IAML		1827	54.21			26	0.1				
MESJ	HZ	51	117	EP		1827	55.44	-.160							1.0
MESJ	HE	51	117	ES		1828	1.73	-.030							1.0
MESJ	HN	51	117	IAML		1828	2.34			5	0.1				
MORF	HZ	83	175	EP		1828	0.540	.130							1.0
MORF	HN	83	175	ES		1828	10.07	-.000							1.0
MORF	HN	83	175	IAML		1828	10.73			14	0.2				

September 22 2023 Hour: 22:22 49.8 Lat: 31.27N Lon: 8.25W Depth: 1 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	671	357	EP		2224	19.370	.010							1.0
MESJ	HZ	729	0	EP		2224	26.630	.010							1.0
GRNL	CZ	760	358	EP		2224	30.35	-.020							0.9

September 23 2023 Hour: 2:56 33.3 Lat: 31.16N Lon: 8.22W Depth: 16F 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	683	357	EP		258	2.85	-.030							1.0
GRNL	CZ	772	358	EP		258	13.720	.040							0.9

September 23 2023 Hour: 4:22 0.4 Lat: 36.74N Lon: 4.65W Depth: 67F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	340	292	EP		422	46.00	-.060							1.0
MESJ	HN	340	292	ES		423	19.530	.130							1.0
MESJ	HN	340	292	IAML		423	21.67			6	0.2				
MORF	HZ	362	281	EP		422	48.71	-.150							1.0
GRNL	CZ	379	295	EP		422	50.92	-.030							1.0
GRNL	CN	379	295	ES		423	27.980	.120							1.0
GRNL	CN	379	295	IAML		423	29.93			9	0.2				

September 23 2023 Hour: 10:54 51.1 Lat: 31.12N Lon: 8.15W Depth: 8F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	687	356	EP		1056	22.030	.030							1.0
MORF	HN	687	356	ES		1057	24.04	-4.32							0.0
MESJ	HZ	745	360	EP		1056	29.230	.030							1.0
MESJ	HN	745	360	ES		1057	40.13	-.690							0.0
GRNL	CZ	776	357	EP		1056	32.860	.030							0.9
GRNL	CN	776	357	ES		1057	47.00	-.100							0.9
GRNL	CN	776	357	IAML		1057	49.63			7	0.1				

September 23 2023 Hour: 13:37 47.4 Lat: 31.23N Lon: 8.18W Depth: 15F 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	675	356	EP		1339	15.99	-.050							1.0
MESJ	HZ	733	360	EP		1339	23.260	.000							1.0
GRNL	CZ	764	357	EP		1339	26.960	.060							0.9

September 23 2023 Hour: 14:57 2.4 Lat: 37.30N Lon: 8.57W Depth: 14F 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	7	271	EP		1457	4.980	.000							1.0
MORF	HE	7	271	ES		1457	6.88	-.000							1.0
MORF	HE	7	271	IAML		1457	7.33			16	0.1				

September 23 2023 Hour: 20:27 9.5 Lat: 38.34N Lon: 9.31W Depth: 6F Agency: IGL Regional
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
GRNL	CZ	70	111	EP		2027	21.070	.160							1.0
MESJ	HZ	111	120	EP		2027	27.20	-.170							1.0

September 23 2023 Hour: 22:38 23.2 Lat: 31.27N Lon: 8.28W Depth: 4F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	671	357	EP		2239	52.38	-.070							1.0
MORF	HN	671	357	ES		2240	57.710	.110							1.0
MORF	HE	671	357	IAML		2241	1.46			5	0.2				
MESJ	HZ	729	0	EP		2239	59.70	-.040							1.0
MESJ	HN	729	0	ES		2241	10.290	.080							1.0
MESJ	HN	729	0	IAML		2241	12.26			0.90	0.1				
GRNL	CZ	759	358	EP		2240	3.37	-.090							0.9

September 24 2023 Hour: 6:15 19.5 Lat: 36.76N Lon: 8.32W Depth: 23F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	67	334	EP		615	30.32	-.130							1.0
MORF	HN	67	334	ES		615	38.520	.040							1.0
MORF	HN	67	334	IAML		615	39.73			29	0.1				
MESJ	HZ	120	4	EP		615	37.960	.090							1.0
MESJ	HN	120	4	ES		615	51.320	.010							1.0
MESJ	HN	120	4	IAML		615	52.53			5	0.2				

September 24 2023 Hour: 10: 5 37.5 Lat: 37.02N Lon: 13.71W Depth: 23F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	450	84	EP		10 6	33.700	.130							1.0
MORF	HE	450	84	ES		10 7	14.28	-.210							1.0
MORF	HN	450	84	IAML		10 7	16.30		15	0.2					
GRNL	CZ	470	74	EP		10 6	36.030	.110							1.0
GRNL	CE	470	74	ES		10 7	18.53	-.020							1.0
GRNL	CN	470	74	IAML		10 7	20.92		11	0.2					

September 24 2023 Hour: 21:29 14.4 Lat: 37.06N Lon: 8.63W Depth: 19F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	27	355	EP		2129	19.730	.070							1.0
MORF	HN	27	355	ES		2129	23.45	-.020							1.0
MORF	HN	27	355	IAML		2129	24.21		330	0.2					
MESJ	HZ	93	23	EP		2129	29.29	-.010							1.0
MESJ	HN	93	23	ES		2129	40.250	.100							1.0
MESJ	HN	93	23	IAML		2129	41.69		149	0.3					
GRNL	CZ	116	2	EP		2129	32.10	-.350							1.0
GRNL	CN	116	2	ES		2129	45.820	.200							1.0
GRNL	CN	116	2	IAML		2129	46.73		163	0.2					

September 24 2023 Hour: 22:57 56.0 Lat: 37.97N Lon: 8.27W Depth: 1F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs

NW ALJUSTREL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	15	161	EP		2257	58.520	.100							1.0
MESJ	HN	15	161	ES		2258	0.270	.100							1.0
MESJ	HN	15	161	IAML		2258	0.59		10	0.1					
MESJ	HN	15	161	IAML		2258	0.76		12	0.1					
GRNL	CZ	30	301	EP		2258	0.83	-.090							1.0
GRNL	CN	30	301	ES		2258	4.37	-.120							1.0
GRNL	CE	30	301	IAML		2258	4.79		4	0.2					

September 25 2023 Hour: 1:26 10.8 Lat: 36.32N Lon: 8.08W Depth: 22F Agency: IGL Regional
Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	335	EP		126	29.340	.150							1.0
GRNL	CZ	203	348	EP		126	39.26	-.160							1.0

September 25 2023 Hour: 18:24 14.0 Lat: 38.48N Lon: 7.69W Depth: 11F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

NW REGUEMGOS DE MONSARAZ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	85	213	EP		1824	27.770	.090							1.0
MESJ	HE	85	213	ES		1824	37.700	.050							1.0
MESJ	HN	85	213	IAML		1824	38.57		8	0.2					
GRNL	CZ	88	242	EPg		1824	28.23	-.040							1.0
GRNL	CN	88	242	ES		1824	38.15	-.090							1.0
GRNL	CE	88	242	IAML		1824	38.95		45	0.3					

September 25 2023 Hour: 19:58 54.1 Lat: 36.67N Lon: 9.62W Depth: 18F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	50	EP		1959	11.64	-.060							1.0
MORF	HE	112	50	ES		1959	24.730	.190							1.0
MORF	HN	112	50	IAML		1959	25.44		15	0.1					
MESJ	HZ	180	43	EP		1959	20.09	-.090							1.0

MESJ HN	180	43	ES	1959	39.240.040										1.0
MESJ HE	180	43	IAML	1959	40.15				2	0.1					
GRNL CZ	185	30	EP	1959	20.63-.170										1.0
GRNL CN	185	30	ES	1959	40.370.090										1.0
GRNL CN	185	30	IAML	1959	41.49				5	0.1					

**September 25 2023 Hour: 20:38 16.3 Lat: 31.17N Lon: 8.18W Depth: 24F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		682	356	EP		2039	45.53-.110								1.0
MESJ HZ		740	360	EP		2039	52.900.080								1.0
MESJ HN		740	360	ES		2041	3.420.140								1.0
MESJ HN		740	360	IAML		2041	8.64			2	0.3				
GRNL CZ		771	357	EP		2039	56.31-.110								0.9

**September 26 2023 Hour: 0:19 19.5 Lat: 36.96N Lon: 13.57W Depth: 29F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		438	83	EP		020	14.280.080								1.0
MORF HN		438	83	ES		020	53.96-.150								1.0
MORF HN		438	83	IAML		020	56.57			5	0.2				
GRNL CZ		460	72	EP		020	16.78-.000								1.0
MESJ HZ		484	77	EP		020	19.690.010								1.0
MESJ HN		484	77	ES		021	3.670.070								1.0
MESJ HN		484	77	IAML		021	7.00			1	0.3				

**September 26 2023 Hour: 1:39 45.6 Lat: 4.72N Lon: 127.51E Depth:101FAgency: IGL Distant
Rms: 0.1 secs**

KEPULAUAN TALAUD, INDONESIA Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ13469		320	EPKP			158	26.100.080								1.0
GGNV BZ13477		321	EPKP			158	26.220.100								1.0
GRNL BZ13477		320	EPKP			158	26.08-.050								1.0
MORF BZ13535		320	EPKP			158	27.07-.130								1.0

**September 26 2023 Hour: 4:48 57.2 Lat: 36.98N Lon: 13.55W Depth: 21F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		436	84	EP		449	51.750.150								1.0
MORF HN		436	84	ES		450	31.18-.130								1.0
MORF HN		436	84	IAML		450	33.11			15	0.2				
GRNL CZ		458	73	EP		449	54.190.050								1.0
GRNL CN		458	73	ES		450	35.720.030								1.0
GRNL CN		458	73	IAML		450	37.60			6	0.1				
MESJ HZ		481	77	EP		449	56.95-.110								1.0

**September 26 2023 Hour: 13:15 21.4 Lat: 41.72N Lon: 1.78W Depth: 1F Agency: IGL Regional
Magnitudes: 3.6ML IGL Rms: 0.1 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		699	234	EP		1316	52.67-.120								1.0
MESJ HN		699	234	ES		1317	59.620.100								1.0
MESJ HN		699	234	IAML		1318	3.97			32	0.4				
GRNL CZ		705	238	EP		1316	53.470.020								1.0
GRNL CE		705	238	ES		1318	0.750.090								1.0
GRNL CE		705	238	IAML		1318	4.94			56	0.3				
MORF HZ		767	233	EP		1317	0.66-.160								1.0
MORF HN		767	233	ES		1318	13.470.060								1.0
MORF HN		767	233	IAML		1318	18.20			84	0.3				

September 26 2023 Hour: 14:36 56.1 Lat: 31.20N Lon: 8.22W Depth: 7F 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	678	357	EP		1438	25.990	.000							1.0

September 26 2023 Hour: 19:44 17.6 Lat: 35.57N Lon: 3.63W Depth: 0 Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	482	303	EP		1945	22.57	-.170							1.0
GRNL	CZ	523	304	EP		1945	27.800	.030							1.0
GRNL	CN	523	304	ES		1946	19.140	.150							1.0
GRNL	CN	523	304	IAML		1946	20.72			4	0.2				

September 27 2023 Hour: 2:14 28.1 Lat: 55.00N Lon: 160.46W Depth: 50F Agency: IGL Distant
Magnitudes: 5.2Mb 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
GRNL	BZ	9350	22	EP		226	53.470	.010							1.0
GRNL	BZ	9350	22	IAMB		226	55.04			20	1.0				
MORF	BZ	9434	22	EP		226	57.33	-.010							1.0
MORF	BZ	9434	22	IAMB		226	58.45			24	1.0				

September 27 2023 Hour: 3:40 8.7 Lat: 36.64N Lon: 11.21W Depth: 30F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	239	71	EP		340	41.12	-.150							1.0
MORF	HN	239	71	ES		341	5.01	-.030							1.0
MORF	HE	239	71	IAML		341	5.24			2	0.1				
GRNL	CN	285	54	ES		341	14.970	.180							1.0
GRNL	CE	285	54	IAML		341	16.26			1	0.2				

September 27 2023 Hour: 4:13 17.5 Lat: 35.91N Lon: 9.84W Depth: 10F 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	187	34	EP		413	45.330	.100							1.0
MORF	HN	187	34	ES		414	5.540	.050							1.0
MORF	HE	187	34	IAML		414	6.12			23	0.1				
MESJ	HZ	258	34	EP		413	53.95	-.020							1.0
GRNL	CZ	269	25	EP		413	55.05	-.230							1.0
GRNL	CE	269	25	ES		414	22.960	.090							1.0
GRNL	CN	269	25	IAML		414	24.67			9	0.1				

September 27 2023 Hour: 9:13 25.0 Lat: 31.24N Lon: 8.16W Depth: 12F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	674	356	EP		914	53.77	-.130							1.0
MESJ	HZ	732	360	EP		915	1.310	.200							1.0
GRNL	CZ	763	357	EP		915	4.73	-.060							0.9

September 27 2023 Hour: 16:36 55.5 Lat: 36.73N Lon: 9.68W Depth: 19F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	55	EP		1637	13.00	-.050							1.0
MORF	HN	112	55	ES		1637	25.980	.140							1.0
MORF	HE	112	55	IAML		1637	26.48			13	0.1				
MESJ	HZ	179	46	EP		1637	21.30	-.070							1.0
GRNL	CZ	182	32	EP		1637	21.64	-.110							1.0

GRNL CE 182 32 ES 1637 40.990.090 1.0
 GRNL CE 182 32 IAML 1637 42.05 2 0.1

**September 27 2023 Hour: 22:32 33.0 Lat: 31.19N Lon: 8.19W Depth: 16F 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	680	356	EP		2234	2.280	.040							1.0
MESJ	HZ	738	360	EP		2234	9.480	.020							1.0
GRNL	CZ	769	357	EP		2234	13.00-	.060							0.9

**September 28 2023 Hour: 0:57 10.0 Lat: 34.48N Lon: 5.53W Depth: 10F Agency: IGL Regional
 Magnitudes: 2.3ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	422	319	EP		058	6.72-	.080							1.0
MORF	HN	422	319	ES		058	48.25-	.040							1.0
MORF	HN	422	319	IAML		058	50.06			8	0.3				
MESJ	HZ	445	328	EP		058	9.38-	.170							1.0
MESJ	HN	445	328	ES		058	53.170	.120							1.0
MESJ	HN	445	328	IAML		058	56.19			10	0.3				
GRNL	CZ	486	327	EP		058	14.61-	.020							1.0
GRNL	CN	486	327	ES		059	2.030	.200							1.0
GRNL	CE	486	327	IAML		059	4.22			5	0.2				

**September 28 2023 Hour: 1:5 45.6 Lat: 38.11N Lon: 7.53W Depth: 2F Agency: IGL Regional
 Magnitudes: 0.6ML IGL Rms: 0.1 secs**

SW MORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	68	244	EP		1 5	56.57-	.010							1.0
GRNL	CZ	92	270	EP		1 6	0.550	.160							1.0
GRNL	CE	92	270	ES		1 6	11.02-	.150							1.0
GRNL	CN	92	270	IAML		1 6	12.12			2	0.1				

**September 28 2023 Hour: 2:29 44.4 Lat: 38.04N Lon: 8.72W Depth: 13F Agency: IGL Regional
 Magnitudes: 0.1ML IGL Rms: 0.1 secs**

SW SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	15	60	EP		229	47.46-	.110							1.0
GRNL	CN	15	60	ES		229	50.160	.260							1.0
GRNL	CN	15	60	IAML		229	50.76			7	0.1				
MESJ	HZ	49	117	EP		229	52.39-	.110							1.0
MESJ	HE	49	117	ES		229	58.39-	.040							1.0
MESJ	HE	49	117	IAML		229	58.92			1	0.1				

**September 28 2023 Hour: 9:39 2.6 Lat: 36.39N Lon: 12.55W Depth: 30F Agency: IGL Regional
 Magnitudes: 1.8ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	362	73	EP		939	47.77-	.110							1.0
MORF	HN	362	73	ES		940	20.71-	.210							1.0
MORF	HN	362	73	IAML		940	23.00			5	0.2				
GRNL	CZ	401	60	EP		939	52.840	.210							1.0
GRNL	CN	401	60	ES		940	29.250	.120							1.0
GRNL	CN	401	60	IAML		940	31.19			2	0.1				

**September 28 2023 Hour: 14:40 26.3 Lat: 15.58S Lon: 167.72E Depth:128F Agency: IGL Distant
 Rms: 0.1 secs**

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17450	354	EPK	pdf		15 0	5.650	.030							1.0
GGNV	BZ17450	354	EPP			15 4	15.11-	.100							1.0
GRNL	BZ17509	352	EPK	pdf		15 0	6.16-	.160							1.0
GRNL	BZ17509	352	EPK	Pab		15 0	39.100	.240							0.9

MESJ	BZ17534	352	EPKPdf	15	0	6.650.050												1.0
MESJ	BZ17534	352	EPKPab	15	0	40.100.280												0.9
MESJ	BZ17534	352	EPP	15	4	19.380.010												1.0
MORF	BZ17599	352	EPKPdf	15	0	7.28-.110												1.0
MORF	BZ17599	352	EPKPab	15	0	42.39-.030												1.0
MORF	BZ17599	352	EPP	15	4	22.50-.120												1.0

September 28 2023 Hour: 17:40 4.4 Lat: 44.25N Lon: 148.63E Depth: 15F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.1 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ10610	342	EP			1753	27.84-.180								1.0
GRNL	BE10610	342	IAMs_20			1835	31.27			2861	16.6				
MESJ	BZ10630	342	EP			1753	28.910.060								1.0
MESJ	BZ10630	342	IAMs_20			1842	28.86			2818	19.7				
MORF	BZ10698	342	EP			1753	31.780.110								1.0
MORF	BZ10698	342	IAMs_20			1842	59.33			3224	13.5				

September 28 2023 Hour: 18:29 41.3 Lat: 38.24N Lon: 8.27W Depth: 7F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	30	241	EP		1829	46.290.040								1.0
GRNL	CN	30	241	ES		1829	49.970.140								1.0
GRNL	CE	30	241	IAML		1829	50.44			3	0.1				
MESJ	HZ	44	174	EP		1829	48.58-.020								1.0
MESJ	HE	44	174	ES		1829	53.72-.170								1.0
MESJ	HN	44	174	IAML		1829	54.33			2	0.1				

September 28 2023 Hour: 19:21 16.1 Lat: 5.26S Lon: 152.76E Depth: 49F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.1 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ15935	335	EPKPdf			1940	43.94-.130								1.0
GRNL	BZ15935	335	IAMs_20			2045	53.75			1586	17.4				
MESJ	BZ15944	334	EPKPdf			1940	44.240.020								1.0
MESJ	BZ15944	334	IAMs_20			2046	23.72			1459	15.9				
MORF	BZ16014	334	EPKPdf			1940	45.470.100								1.0

September 28 2023 Hour: 20:40 4.4 Lat: 31.13N Lon: 8.21W Depth: 21F Agency: IGL Regional
Magnitudes: 5.8Ms IGL 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	687	357	EP		2041	33.94-.010								1.0
MESJ	HZ	745	360	EP		2041	41.08-.010								1.0
GRNL	CZ	775	358	EP		2041	44.700.020								0.9

September 28 2023 Hour: 22:37 57.4 Lat: 39.20N Lon: 9.32W Depth: 1 Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

S LOURINHA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	138	152	EP		2238	19.520.030								1.0
GRNL	CN	138	152	ES		2238	35.60-.030								1.0
GRNL	CE	138	152	IAML		2238	38.77			5	0.1				
MESJ	HZ	179	147	EPg		2238	26.22-.010								1.0
MESJ	HN	179	147	ESg		2238	47.300.010								1.0
MESJ	HE	179	147	IAML		2238	48.14			1.00	0.1				

September 28 2023 Hour: 23:25 20.7 Lat: 36.81N Lon: 7.10W Depth: 6F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	149	292	EP		2325	44.060	.050							1.0
MORF	HN	149	292	ES		2326	0.91-	.140							1.0
MORF	HN	149	292	IAML		2326	4.09		61	0.3					
MESJ	HZ	152	320	EP		2325	44.370	.010							1.0
MESJ	HN	152	320	ES		2326	1.710	.080							1.0
MESJ	HN	152	320	IAML		2326	4.28		21	0.2					

September 29 2023 Hour: 1:19 36.6 Lat: 4.57S Lon: 153.22E Depth: 57F Agency: IGL Distant
Rms: 0.1 secs

NEW IRELAND REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ15887	336	EP	KPdf		139	2.850	.020							1.0
MESJ	BZ15896	335	EP	KPdf		139	2.82-	.180							1.0
MORF	BZ15967	335	EP	KPdf		139	4.310	.150							1.0

September 29 2023 Hour: 2:35 15.7 Lat: 39.38N Lon: 10.22W Depth: 14F Agency: IGL Regional
Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	201	134	EP		235	44.750	.070							1.0
MESJ	HZ	244	134	EP		235	49.93-	.070							1.0

September 29 2023 Hour: 2:55 1.7 Lat: 35.51N Lon: 9.61W Depth: 32F 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	217	23	EP		255	31.21-	.160							1.0
MORF	HE	217	23	ES		255	52.93-	.120							1.0
MORF	HE	217	23	IAML		255	54.73		6	0.1					
MESJ	HZ	287	25	EP		255	39.95-	.080							1.0
MESJ	HN	287	25	ES		256	8.210	.170							1.0
MESJ	HE	287	25	IAML		256	10.50		3	0.2					
GRNL	CZ	303	18	EP		255	42.030	.010							1.0
GRNL	CN	303	18	ES		256	11.690	.200							1.0
GRNL	CN	303	18	IAML		256	13.96		3	0.1					

September 29 2023 Hour: 5:20 41.4 Lat: 36.55N Lon: 9.82W Depth: 13F 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	134	51	EP		521	2.330	.170							1.0
MORF	HN	134	51	ES		521	17.31-	.010							1.0
MORF	HN	134	51	IAML		521	19.02		2	0.1					
MESJ	HZ	202	44	EP		521	10.42-	.170							1.0

September 29 2023 Hour: 15:59 59.3 Lat: 38.59N Lon: 9.47W Depth: 6F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

SW CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	95	124	EP		16 0	14.56-	.090							1.0
GRNL	CN	95	124	ES		16 0	26.000	.190							1.0
GRNL	CN	95	124	IAML		16 0	28.06		16	0.1					
MESJ	HZ	137	127	EP		16 0	21.01-	.110							1.0

September 29 2023 Hour: 19: 5 46.0 Lat: 38.40N Lon: 30.22W Depth: 9F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.1 secs

AZORES ISLANDS, PORTUGAL Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	1891	84	EP		19	9	44.060	.030						1.0
GRNL	BZ	1891	84	I Amb		19	9	49.07		111	1.9				
MORF	BZ	1898	87	EP		19	9	44.940	.110						1.0
MORF	BZ	1898	87	I Amb		19	9	54.26		123	1.8				
MESJ	BZ	1925	85	EP		19	9	47.80	-.140						1.0
MESJ	BZ	1925	85	I Amb		19	9	52.98		162	2.1				

September 30 2023 Hour: 6: 5 59.6 Lat: 37.29N Lon: 8.97W Depth: 29F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	28	87	EP		6	6	5.85	-.070						1.0
MORF	HN	28	87	ES		6	6	10.720	.230						1.0
MORF	HE	28	87	I AML		6	6	11.55		250	0.2				
MESJ	HZ	90	47	EP		6	6	13.68	-.020						1.0
GRNL	CZ	97	21	EP		6	6	14.36	-.240						1.0
GRNL	CE	97	21	ES		6	6	25.610	.090						1.0
GRNL	CN	97	21	I AML		6	6	26.48		13	0.1				

September 30 2023 Hour: 6:41 14.5 Lat: 37.18N Lon: 8.57W Depth: 1F Agency: IGL Regional
Magnitudes: 1.1ML 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	15	333	EP		641	17.070	.090							1.0
MESJ	HZ	80	23	EP		641	27.350	.020							1.0
MESJ	HN	80	23	ES		641	36.720	.020							1.0
MESJ	HN	80	23	I AML		641	38.76			3	0.1				
GRNL	CZ	103	0	EP		641	31.110	.010							1.0
GRNL	CE	103	0	ES		641	43.07	-.150							1.0
GRNL	CN	103	0	I AML		641	44.72			11	0.2				

September 30 2023 Hour: 8: 4 25.9 Lat: 31.13N Lon: 8.27W Depth: 23F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	685	357	EP		8	5	55.01	-.150						1.0
MORF	HE	685	357	ES		8	7	0.18	-.130						1.0
MORF	HN	685	357	I AML		8	7	6.48		21	0.1				
MESJ	HZ	744	0	EP		8	6	2.550	.220						1.0
MESJ	HN	744	0	ES		8	7	12.65	-.070						1.0
MESJ	HN	744	0	I AML		8	7	16.60		7	0.2				
GRNL	CZ	774	358	EP		8	6	5.990	.100						0.9
GRNL	CN	774	358	ES		8	7	18.930	.060						0.9
GRNL	CN	774	358	I AML		8	7	22.49		6	0.2				

September 30 2023 Hour: 12:16 19.5 Lat: 36.58N Lon: 7.39W Depth: 9F 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	138	306	EP		1216	41.06	-.170							1.0
MESJ	HZ	158	332	EP		1216	43.780	.140							1.0
GRNL	CZ	199	329	EP		1216	48.780	.030							1.0

September 30 2023 Hour: 12:46 42.5 Lat: 42.61N Lon: 6.01W Depth: 5F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	545	204	EP		1247	54.930	.140							1.0
MESJ	HZ	562	200	EP		1247	56.79-	.070							1.0
MORF	HZ	630	202	EP		1248	5.14-	.080							1.0

September 30 2023 Hour: 19:53 35.7 Lat: 34.95N Lon: 4.16W Depth: 1F 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	485	312	EP		1954	41.210	.110							1.0
GRNL	CZ	528	313	EP		1954	46.15-	.120							1.0

September 30 2023 Hour: 23:30 17.3 Lat: 31.25N Lon: 8.29W Depth: 12F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	673	357	EP		2331	46.15	0.08							1.0
MESJ	HZ	732	0	EP		2331	53.39	0.03							1.0
GRNL	CZ	762	358	EP		2331	56.87-	0.12							0.9

October 1 2023 Hour: 5:37 6.5 Lat: 38.73N Lon: 8.44W Depth: 1 Agency: IGL Regional
Magnitudes: 0.6ML IGL
Rms: 0.1 secs

NE VENDAS NOVAS, PORTUGAL Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CE	70	189	ES		537	26.120	.120							1.0
GRNL	CE	70	189	IAML		537	27.08			3	0.2				
MESJ	HZ	101	169	EP		537	22.72-	.040							1.0
MESJ	HN	101	169	ES		537	34.52-	.090							1.0
MESJ	HN	101	169	IAML		537	36.35			1	0.1				

October 1 2023 Hour: 7: 6 17.2 Lat: 37.81N Lon: 8.27W Depth: 1 Agency: IGL Regional
Magnitudes: 1.3ML IGL
Rms: 0.1 secs

SW ALJUSTREL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	5	55	EP		7	6	18.090	.040						1.0
MESJ	HN	5	55	ES		7	6	18.760	.070						1.0
MESJ	HN	5	55	IAML		7	6	18.93		349	0.1				
GRNL	CZ	42	321	EP		7	6	23.77-	.220						1.0
GRNL	CN	42	321	ES		7	6	29.060	.100						1.0
GRNL	CN	42	321	IAML		7	6	30.53		36	0.2				

October 1 2023 Hour: 12:13 6.0 Lat: 36.30N Lon: 9.86W Depth: 25F 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	155	44	EP		1213	28.550	.170							1.0
MORF	HE	155	44	ES		1213	44.69-	.060							1.0
MORF	HN	155	44	IAML		1213	46.65			12	0.2				
MESJ	HZ	225	40	EP		1213	36.86-	.130							1.0
MESJ	HE	225	40	ES		1213	59.65-	.000							1.0
MESJ	HN	225	40	IAML		1214	1.21			2	0.2				
GRNL	CZ	231	29	EP		1213	37.64-	.150							1.0
GRNL	CN	231	29	ES		1214	1.210	.170							1.0
GRNL	CN	231	29	IAML		1214	2.03			5	0.2				

October 1 2023 Hour: 15:33 48.2 Lat: 35.99N Lon: 17.85W Depth: 24F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs

AZORES-CAPE S.VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	835	77	EP		1535	31.37	-.090							1.0
GRNL	CZ	858	71	EP		1535	34.16	-.080							1.0
GRNL	CE	858	71	ES		1536	51.84	0.190							1.0
GRNL	CE	858	71	IAML		1536	57.00		16	0.3					1.0
MESJ	HZ	882	74	EP		1535	37.16	-.020							1.0

October 2 2023 Hour: 2:14 34.5 Lat: 36.60N Lon: 9.74W Depth: 17F 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	HN	124	51	ES		215	7.97	0.180							1.0
MORF	HN	124	51	IAML		215	9.06		3	0.1					1.0
MESJ	HZ	192	44	EP		215	2.15	-.040							1.0
MESJ	HE	192	44	ES		215	22.39	0.000							1.0
MESJ	HE	192	44	IAML		215	24.59		0.50	0.2					1.0
GRNL	CZ	196	32	EP		215	2.55	-.150							1.0

October 2 2023 Hour: 3:29 46.1 Lat: 35.41N Lon: 3.65W Depth: 21F 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	490	305	EP		330	50.16	-.020							1.0
GRNL	CZ	532	306	EP		330	55.27	0.020							1.0

October 2 2023 Hour: 3:41 38.4 Lat: 38.93N Lon: 10.21W Depth: 26F Agency: IGL Regional
Magnitudes: 2.1ML 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
GRNL	CZ	169	122	EP		342	2.50	-.040							1.0
GRNL	CN	169	122	ES		342	20.00	-.130							1.0
GRNL	CN	169	122	IAML		342	24.73		20	0.3					1.0
MESJ	HZ	211	124	EP		342	7.96	0.180							1.0

October 2 2023 Hour: 12:23 5.7 Lat: 37.31N Lon: 9.11W Depth: 28F Agency: IGL Regional
Magnitudes: 0.7ML 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	41	91	EP		1223	13.44	0.090							1.0
MORF	HN	41	91	ES		1223	18.85	-.090							1.0
MORF	HN	41	91	IAML		1223	20.04		5	0.1					1.0

October 2 2023 Hour: 12:42 3.3 Lat: 36.13N Lon: 7.51W Depth: 20F 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	166	322	EP		1242	27.46	0.010							1.0
MORF	HN	166	322	ES		1242	44.88	-.220							1.0
MORF	HE	166	322	IAML		1242	50.32		10	0.2					1.0
MESJ	HN	200	342	ES		1242	52.54	0.080							1.0
MESJ	HE	200	342	IAML		1242	52.94		0.90	0.1					1.0
GRNL	CZ	239	337	EP		1242	36.67	0.150							1.0
GRNL	CN	239	337	ES		1243	0.80	-.000							1.0
GRNL	CN	239	337	IAML		1243	1.51		3	0.3					1.0

October 2 2023 Hour: 12:45 16.0 Lat: 25.96N Lon: 90.61E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

MEGHALAYA, INDIA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9011	308	EP		1257	31.290	.060							1.0
MESJ	BZ	9011	308	I Amb		1257	32.88			57	1.8				
GRNL	BZ	9026	308	EP		1257	31.81	-.100							1.0
GRNL	BZ	9026	308	I Amb		1257	32.88			15	0.9				
MORF	BZ	9071	307	EP		1257	34.200	.030							1.0
MORF	BZ	9071	307	I Amb		1257	35.75			16	1.0				

October 2 2023 Hour: 16: 4 57.0 Lat: 36.68N Lon: 7.49W Depth: 22F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	304	EP		16 5	16.000	.090							1.0
MORF	HE	125	304	ES		16 5	29.47	-.220							1.0
MORF	HN	125	304	I AML		16 5	30.38			59	0.1				
MESJ	HZ	144	333	EP		16 5	18.350	.070							1.0
MESJ	HN	144	333	ES		16 5	33.78	-.010							1.0
MESJ	HN	144	333	I AML		16 5	37.08			24	0.1				
GRNL	CZ	185	329	EP		16 5	23.430	.060							1.0

October 2 2023 Hour: 20:30 26.6 Lat: 36.62N Lon: 9.62W Depth: 10F 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	115	48	EP		2030	44.830	.030							1.0
MESJ	HN	184	42	ES		2031	13.74	-.020							1.0
MESJ	HN	184	42	I AML		2031	15.24			1	0.1				
GRNL	CN	190	29	ES		2031	14.99	-.020							1.0
GRNL	CN	190	29	I AML		2031	15.85			2	0.1				

October 2 2023 Hour: 20:32 30.1 Lat: 37.34N Lon: 8.50W Depth: 5F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	253	EP		2032	32.36	-.200							1.0
MORF	HN	14	253	ES		2032	34.520	.190							1.0
MORF	HE	14	253	I AML		2032	35.08			362	0.2				
MESJ	HZ	61	24	EP		2032	40.040	.080							1.0
GRNL	CZ	85	356	EP		2032	43.990	.070							1.0
GRNL	CN	85	356	ES		2032	53.84	-.140							1.0
GRNL	CN	85	356	I AML		2032	55.92			28	0.1				

October 2 2023 Hour: 21: 7 2.9 Lat: 36.76N Lon: 7.12W Depth: 11F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	150	294	EP		21 7	25.71	-.140							1.0
MORF	HN	150	294	ES		21 7	42.750	.140							1.0
MORF	HE	150	294	I AML		21 7	44.30			3	0.1				

October 2 2023 Hour: 22: 5 5.6 Lat: 36.57N Lon: 8.34W Depth: 21F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	86	341	EP		22 5	19.40	-.020							1.0
MORF	HE	86	341	ES		22 5	29.560	.070							1.0
MORF	HN	86	341	I AML		22 5	30.53			16	0.2				
MESJ	HZ	141	4	EP		22 5	26.580	.010							1.0
GRNL	CZ	172	353	EP		22 5	30.30	-.070							1.0

October 3 2023 Hour: 1:56 16.0 Lat: 4.52S Lon: 153.69E Depth: 86F Agency: IGL Distant
Rms: 0.1 secs

NEW IRELAND REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ15903	337		EPKpdf		215	38.70	-.170							0.9
GRNL	BZ15903	337		EPP		218	49.19	-.010							1.0
MESJ	BZ15913	336		EPKpdf		215	39.150	.110							1.0
MORF	BZ15984	336		EPKpdf		215	40.270	.070							1.0

October 3 2023 Hour: 2:16 18.4 Lat: 36.87N Lon: 11.14W Depth: 32F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	226	77	EP		216	49.26	-.030							1.0
MORF	HN	226	77	ES		217	11.64	-.160							1.0
MORF	HN	226	77	IAML		217	14.51			28	0.1				
GRNL	CZ	265	58	EP		216	54.330	.180							1.0
GRNL	CE	265	58	ES		217	20.220	.010							1.0
GRNL	CE	265	58	IAML		217	22.94			18	0.1				
MESJ	HZ	280	66	EP		216	55.950	.000							1.0

October 3 2023 Hour: 5:50 25.5 Lat: 36.27N Lon: 4.57W Depth: 105F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	368	299	EP		551	13.57	-.180							1.0
MORF	HN	382	289	ES		551	51.940	.200							1.0
MORF	HE	382	289	IAML		551	54.34			5	0.1				
GRNL	CZ	410	301	EP		551	18.41	-.120							1.0
GRNL	CE	410	301	ES		551	57.340	.110							1.0
GRNL	CE	410	301	IAML		551	59.06			2	0.1				

October 3 2023 Hour: 7:59 1.4 Lat: 38.19N Lon: 7.88W Depth: 4F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

NE CUBA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	50	218	EP		759	9.560	.110							1.0
MESJ	HE	50	218	ES		759	15.11	-.220							1.0
MESJ	HN	50	218	IAML		759	16.14			19	0.1				
GRNL	CZ	62	261	EP		759	11.470	.120							1.0
GRNL	CN	62	261	ES		759	18.53	-.090							1.0
GRNL	CE	62	261	IAML		759	19.30			60	0.1				
MORF	HZ	120	215	EP		759	20.940	.180							1.0
MORF	HN	120	215	ES		759	34.78	-.110							1.0
MORF	HN	120	215	IAML		759	37.20			15	0.1				

October 3 2023 Hour: 9:21 4.2 Lat: 29.50N Lon: 81.25E Depth: 20F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.1 secs

NEPAL Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8031	304	EP		932	28.030	.050							1.0
MESJ	BN	8031	304	ES		941	50.420	.090							1.0
MESJ	BZ	8031	304	IAMs_20		10 9	25.34			1409	14.5				
GRNL	BZ	8048	304	EP		932	28.950	.130							1.0
GRNL	BE	8048	304	ES		941	51.77	-.180							1.0
GRNL	BN	8048	304	IAMs_20		1010	28.59			1675	15.0				
MORF	BZ	8091	303	EP		932	31.11	-.100							1.0
MORF	BE	8091	303	IAMs_20		1010	40.13			2390	18.7				

October 3 2023 Hour: 15:45 41.8 Lat: 36.66N Lon: 7.24W Depth: 19F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	145	300	EP		1546	3.36	-.100							1.0
MORF	HN	145	300	ES		1546	19.13	-.130							1.0
MORF	HN	145	300	IAML		1546	19.92			4	0.1				
MESJ	HZ	157	327	EP		1546	5.010	.050							1.0
MESJ	HE	157	327	ES		1546	21.890	.040							1.0
MESJ	HE	157	327	IAML		1546	23.56			2	0.1				
GRNL	CZ	199	324	EP		1546	10.320	.140							1.0

October 3 2023 Hour: 16:21 33.0 Lat: 38.71N Lon: 8.02W Depth: 16F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

SW ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	83	216	EP		1621	46.370	.180							1.0
GRNL	CE	83	216	ES		1621	55.75	-.090							1.0
GRNL	CE	83	216	IAML		1621	56.93			2	0.1				
MESJ	HE	99	190	ES		1621	59.93	-.090							1.0
MESJ	HE	99	190	IAML		1622	0.81			1	0.2				

October 3 2023 Hour: 21:21 0.8 Lat: 23.54S Lon: 179.96W Depth: 532F 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
GRNL	BZ18216	25	EPKpdf			2140	2.06	-.120							1.0
MESJ	BZ18257	25	EPKpdf			2140	2.640	.120							1.0

October 4 2023 Hour: 0:26 47.8 Lat: 35.59N Lon: 6.95W Depth: 31F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	244	322	EP		027	19.90	-.270							1.0
MORF	HE	244	322	ES		027	43.950	.180							1.0
MORF	HE	244	322	IAML		027	47.54			94	0.2				
MESJ	HZ	274	336	EP		027	24.000	.100							1.0
GRNL	CZ	314	333	EP		027	28.85	-.050							1.0
GRNL	CE	314	333	ES		027	58.920	.040							1.0
GRNL	CN	314	333	IAML		028	1.97			30	0.2				

October 4 2023 Hour: 1:36 25.9 Lat: 35.25N Lon: 11.56W 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	347	48	EP		137	13.190	.180							1.0
MORF	HE	347	48	ES		137	47.370	.010							1.0
MORF	HN	347	48	IAML		137	48.28			2	0.1				
GRNL	CZ	415	39	EP		137	21.19	-.240							1.0
GRNL	CE	415	39	ES		138	1.970	.040							1.0
GRNL	CN	415	39	IAML		138	3.16			2	0.2				

October 4 2023 Hour: 4:58 29.9 Lat: 36.76N Lon: 8.19W Depth: 24F 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	73	326	EP		458	41.80	-.000							1.0
MORF	HE	73	326	ES		458	50.510	.020							1.0
MORF	HE	73	326	IAML		458	51.63			13	0.2				
MESJ	HE	120	359	ES		459	1.26	-.010							1.0
MESJ	HE	120	359	IAML		459	3.91			2	0.1				

October 4 2023 Hour: 10:37 51.7 Lat: 35.60N Lon: 6.95W Depth: 20F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	243	322	EP		1038	25.30	-.170							1.0
MESJ	HZ	273	336	EP		1038	29.24	0.060							1.0
MESJ	HN	273	336	ES		1038	56.66	0.100							1.0
MESJ	HN	273	336	IAML		1038	57.89			1	0.2				
GRNL	CZ	314	333	EP		1038	34.21	0.020							1.0

October 4 2023 Hour: 11:21 48.9 Lat: 5.34N Lon: 126.06E Depth:122F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.1 secs

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13313	319	EPdif			1136	46.89	-.020							1.0
MESJ	BZ13313	319	EPKPdf			1140	24.19	0.110							1.0
MESJ	BZ13313	319	EPP			1141	48.15	0.050							1.0
MESJ	BZ13313	319	IAMs_20			1221	33.90			4639	52.6				
GRNL	BZ13321	320	EPdif			1136	47.09	-.120							1.0
GRNL	BZ13321	320	EPKPdf			1140	24.26	0.050							1.0
GRNL	BZ13321	320	EPP			1141	48.68	0.100							1.0
GRNL	BZ13321	320	IAMs_20			1221	37.36			6081	56.4				
GGNV	BZ13323	321	EPP			1141	48.59	-.070							1.0
GGNV	BE13323	321	IAMs_20			1234	7.70			3796	31.0				
MORF	BZ13379	319	EPdif			1136	49.37	-.200							1.0
MORF	BZ13379	319	EPKPdf			1140	25.52	0.260							0.9
MORF	BZ13379	319	EPP			1141	52.04	-.150							1.0
MORF	BZ13379	319	IAMs_20			1235	28.28			3130	26.1				

October 4 2023 Hour: 21:1 46.8 Lat: 20.64S Lon: 169.38E Depth: 43F 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
GRNL	BZ18082	355	EPKPdf			2121	43.18	-.000							1.0
MESJ	BZ18108	354	EPKPdf			2121	43.46	0.030							1.0
MORF	BZ18171	355	EPKPdf			2121	44.01	-.030							1.0

October 4 2023 Hour: 22:22 2.2 Lat: 18.20S Lon: 178.27W Depth:535F Agency: IGL Distant
Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ17607	22	EPKPab			2241	35.51	0.040							1.0
MESJ	BZ17648	22	EPKPab			2241	36.99	-.080							1.0
MORF	BZ17683	24	EPKPab			2241	38.55	0.040							1.0

October 5 2023 Hour: 1:46 35.3 Lat: 38.54N Lon: 8.33W Depth: 15F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs

SW MONTEMOR-O-NOVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CN	52	204	ES		146	50.16	-.070							1.0
GRNL	CE	52	204	IAML		146	50.83			2	0.1				
MESJ	HZ	78	173	EP		146	48.04	0.160							1.0
MESJ	HN	78	173	ES		146	56.97	-.080							1.0
MESJ	HE	78	173	IAML		146	57.65			0.70	0.2				

October 5 2023 Hour: 1:59 58.4 Lat: 29.94N Lon: 139.95E Depth: 10F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.1 secs

IZU ISLANDS, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11775	335	EPP			218	32.46	-.080							1.0
GGNV	BN11775	335	IAMs_20			3	5	9.69		8199	13.8				
GRNL	BZ11811	335	EPP			218	35.02	0.070							1.0
GRNL	BN11811	335	IAMs_20			3	5	57.64		6966	19.1				

MESJ BZ11823 334 EPP 218 35.72-.020 1.0
 MESJ BZ11823 334 IAMs_20 3 6 15.56 7135 15.8
 MORF BZ11893 334 EPP 218 40.480.030 1.0
 MORF BZ11893 334 IAMs_20 3 6 26.63 7270 19.6

**October 5 2023 Hour: 4:23 32.0 Lat: 37.07N Lon: 9.84W Depth: 18F Agency: IGL Regional
 Magnitudes: 0.7ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	109	76	EP		423	49.09-	.060							1.0
MORF	HN	109	76	ES		424	1.770.	.060							1.0
MORF	HN	109	76	IAML		424	3.76			2	0.1				

**October 5 2023 Hour: 9: 0 46.4 Lat: 35.36N Lon: 3.59W Depth: 29F Agency: IGL Regional
 Magnitudes: 2.8ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	497	305	EP		9 1	50.60-	.070							1.0
MESJ	HE	497	305	ES		9 2	37.750.	.170							1.0
MESJ	HN	497	305	IAML		9 2	40.75			16	0.3				
MORF	HZ	503	297	EP		9 1	51.30-	.120							1.0
GRNL	CZ	539	306	EP		9 1	55.770.	.020							1.0

**October 5 2023 Hour: 11: 8 41.7 Lat: 37.62N Lon: 9.08W Depth: 0 Agency: IGL Regional
 Magnitudes: 1.7ML IGL Rms: 0.1 secs**

W ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	52	133	EP		11 8	49.72-	.300							1.0
MORF	HN	52	133	ES		11 8	56.08-	.010							1.0
MORF	HN	52	133	IAML		11 8	58.47			59	0.2				
GRNL	CZ	70	40	EP		11 8	53.230.	.160							1.0
GRNL	CE	70	40	ES		11 9	1.470.	.110							1.0
GRNL	CN	70	40	IAML		11 9	2.39			44	0.2				
MESJ	HZ	80	72	EP		11 8	54.600.	.050							1.0
MESJ	HN	80	72	ES		11 9	3.92-	.010							1.0
MESJ	HN	80	72	IAML		11 9	6.06			15	0.1				

**October 5 2023 Hour: 13:55 49.6 Lat: 35.46N Lon: 3.61W Depth: 10F 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
GRNL	CZ	531	305	EP		1356	59.680.	.000							1.0

**October 5 2023 Hour: 14:31 52.4 Lat: 36.78N Lon: 9.59W Depth: 23F 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	102	55	EP		1432	8.600.	.050							1.0
MORF	HE	102	55	ES		1432	20.370.	.050							1.0
MORF	HN	102	55	IAML		1432	21.30			4	0.1				
MESJ	HE	169	45	ES		1432	34.90-	.030							1.0
MESJ	HE	169	45	IAML		1432	35.72			0.80	0.1				
GRNL	CN	173	31	ES		1432	35.69-	.080							1.0
GRNL	CN	173	31	IAML		1432	36.62			3	0.1				

**October 5 2023 Hour: 17:28 0.6 Lat: 38.16N Lon: 8.23W Depth: 8F Agency: IGL Regional
 Magnitudes: 0.6ML IGL Rms: 0.2 secs**

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	30	259	EP		1728	5.970.	.330							1.0
GRNL	CN	30	259	ES		1728	9.350.	.070							1.0
GRNL	CN	30	259	IAML		1728	10.33			12	0.1				
MESJ	HZ	36	178	EP		1728	6.52-	.030							1.0
MESJ	HN	36	178	ES		1728	10.50-	.370							1.0

MESJ HN 36 178 IAML 1728 11.18 4 0.1

October 5 2023 Hour: 21:40 4.8 Lat: 37.02N Lon: 4.40W Depth: 32F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	350	286	EP		2140	50.89	-.130							1.0
MESJ	HE	350	286	ES		2141	24.70	-.070							1.0
MESJ	HN	350	286	IAML		2141	27.07		8	0.2					
MORF	HN	379	276	ES		2141	31.200	.170							1.0
MORF	HN	379	276	IAML		2141	34.56		26	0.2					
GRNL	CZ	388	289	EP		2140	55.56	-.080							1.0
GRNL	CN	388	289	ES		2141	32.890	.130							1.0
GRNL	CE	388	289	IAML		2141	35.54		13	0.2					

October 6 2023 Hour: 1:31 18.3 Lat: 30.04N Lon: 140.01E Depth: 10F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.1 secs

IZU ISLANDS, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ11803	335	EPP			149	54.350	.040							1.0
GRNL	BZ11803	335	IAMs_20			239	45.79		7020	25.8					
MESJ	BZ11815	334	EPdif			145	31.00	-.030							1.0
MESJ	BZ11815	334	EPP			149	55.220	.120							1.0
MESJ	BZ11815	334	IAMs_20			239	54.40		4191	17.2					
MORF	BZ11885	334	EPP			149	59.68	-.140							1.0
MORF	BZ11885	334	IAMs_20			240	14.49		5600	20.1					

October 6 2023 Hour: 4:15 5.7 Lat: 37.37N Lon: 2.07W Depth: 4F Agency: IGL Regional
Magnitudes: 5.7ML IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	545	277	EP		416	18.11	-.000							1.0

October 6 2023 Hour: 18:29 35.3 Lat: 38.09N Lon: 8.33W Depth: 2F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

W FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	21	275	EP		1829	38.57	-.110							1.0
GRNL	CN	21	275	ES		1829	41.03	-.140							1.0
GRNL	CE	21	275	IAML		1829	41.41		45	0.1					
MESJ	HZ	30	161	EP		1829	40.070	.030							1.0
MESJ	HN	30	161	ES		1829	43.48	-.050							1.0
MESJ	HE	30	161	IAML		1829	43.60		7	0.1					
MORF	HZ	92	198	EP		1829	50.260	.180							1.0
MORF	HE	92	198	ES		1830	1.020	.120							1.0
MORF	HE	92	198	IAML		1830	1.76		6	0.1					

October 6 2023 Hour: 23:27 58.2 Lat: 36.56N Lon: 9.73W Depth: 15F Agency: IGL Regional
Magnitudes: 58.2ML 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
MESJ	HZ	196	43	EP		2328	26.54	-.000							1.0

October 7 2023 Hour: 2:38 9.4 Lat: 38.63N Lon: 7.89W Depth: 11F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NE EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	82	226	EP		238	22.660	.060							1.0
GRNL	CN	82	226	ES		238	32.350	.120							1.0
GRNL	CE	82	226	IAML		238	33.74		2	0.1					
MESJ	HZ	92	198	EP		238	24.110	.070							1.0
MESJ	HE	92	198	ES		238	34.48	-.240							1.0
MESJ	HN	92	198	IAML		238	35.64		4	0.1					

October 7 2023 Hour: 5: 6 54.8 Lat: 17.12N Lon: 94.94W Depth: 99F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8489	53	EP		518	33.010	.080							1.0
GGNV	BZ	8489	53	I Amb		518	36.73			311	1.5				
GGNV	BN	8489	53	ES		528	10.200	.050							1.0
GRNL	BZ	8552	54	EP		518	36.400	.260							1.0
GRNL	BZ	8552	54	I Amb		518	39.08			57	1.0				
GRNL	BE	8552	54	ES		528	16.35	-.010							1.0
MORF	BZ	8563	55	EP		518	36.61	-.130							1.0
MORF	BZ	8563	55	I Amb		518	40.08			134	1.3				
MORF	BN	8563	55	ES		528	17.44	-.070							1.0
MESJ	BZ	8588	54	EP		518	38.040	.070							1.0
MESJ	BZ	8588	54	I Amb		518	40.94			52	1.0				
MESJ	BN	8588	54	ES		528	19.64	-.260							1.0

October 7 2023 Hour: 6: 0 5.1 Lat: 29.51N Lon: 81.21E Depth: 32F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

NEPAL Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8027	304	EP		611	26.870	.010							1.0
MESJ	BZ	8027	304	I Amb		611	28.93			23	1.1				
GRNL	BZ	8043	304	EP		611	27.69	-.010							1.0
GRNL	BZ	8043	304	I Amb		611	29.96			19	1.2				

October 7 2023 Hour: 6:40 56.2 Lat: 37.35N Lon: 8.47W Depth: 6F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	17	253	EP		640	58.88	-.280							1.0
MORF	HE	17	253	ES		641	1.410	.060							1.0
MORF	HE	17	253	I AML		641	1.79			174	0.2				
MESJ	HZ	58	22	EP		641	5.800	.180							1.0
MESJ	HN	58	22	ES		641	12.550	.010							1.0
MESJ	HN	58	22	I AML		641	14.43			6	0.1				
GRNL	CZ	85	354	EP		641	9.870	.040							1.0
GRNL	CN	85	354	ES		641	19.81	-.000							1.0
GRNL	CN	85	354	I AML		641	20.29			15	0.2				

October 7 2023 Hour: 6:41 3.2 Lat: 34.60N Lon: 61.93E Depth: 14F Agency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.1 secs

WESTERN AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6167	295	EP		650	37.28	-.100							1.0
MESJ	BZ	6167	295	I Amb		650	42.91			62	0.7				
MESJ	BN	6167	295	ES		658	22.68	-.060							1.0
GRNL	BZ	6186	296	EP		650	38.640	.050							1.0
GRNL	BZ	6186	296	I Amb		650	41.23			178	1.1				
GRNL	BN	6186	296	ES		658	24.86	-.120							1.0
GGNV	BZ	6211	297	EP		650	40.270	.080							1.0
GGNV	BZ	6211	297	I Amb		650	43.65			168	0.8				
GGNV	BN	6211	297	ES		658	27.980	.030							1.0
MORF	BZ	6223	295	EP		650	41.05	-.020							1.0
MORF	BZ	6223	295	I Amb		650	48.68			247	1.4				
MORF	BN	6223	295	ES		658	29.700	.120							1.0

October 7 2023 Hour: 6:49 40.9 Lat: 34.52N Lon: 61.95E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.1 secs

WESTERN AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6172	295	EP		659	16.00	-.050							1.0
MESJ	BZ	6172	295	IAmb		659	18.59			23	0.9				
GRNL	BZ	6191	296	EP		659	17.350	.090							1.0
GRNL	BZ	6191	296	IAmb		659	19.15			57	1.0				
MORF	BZ	6228	295	EP		659	19.69	-.040							1.0
MORF	BZ	6228	295	IAmb		659	20.74			49	1.3				

October 7 2023 Hour: 7:12 50.0 Lat: 34.57N Lon: 61.88E Depth: 10F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.1 secs

WESTERN AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6164	295	EP		722	24.760	.060							1.0
MESJ	BZ	6164	295	IAmb		722	32.71			161	1.1				
MESJ	BE	6164	295	ES		730	10.30	-.050							1.0
GRNL	BZ	6183	296	EP		722	25.910	.000							1.0
GRNL	BZ	6183	296	IAmb		722	26.95			254	1.3				
GRNL	BN	6183	296	ES		730	12.54	-.060							1.0
GGNV	BZ	6208	297	EP		722	27.620	.110							1.0
GGNV	BZ	6208	297	IAmb		722	29.53			407	1.2				
MORF	BZ	6220	295	EP		722	28.33	-.060							1.0
MORF	BZ	6220	295	IAmb		722	29.72			176	1.4				

October 7 2023 Hour: 7:40 29.5 Lat: 34.63N Lon: 62.00E Depth: 12F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.0 secs

WESTERN AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6171	295	EP		750	4.390	.050							1.0
MESJ	BZ	6171	295	IAmb		750	9.72			164	1.4				
GRNL	BZ	6190	296	EP		750	5.52	-.020							1.0
GRNL	BZ	6190	296	IAmb		750	11.52			159	1.1				
MORF	BZ	6227	295	EP		750	7.99	-.040							1.0
MORF	BZ	6227	295	IAmb		750	12.81			166	1.5				

October 7 2023 Hour: 8:34 20.2 Lat: 5.60S Lon: 146.14E Depth: 55F Agency: IGL Distant
Magnitudes: 7.0Ms IGL Rms: 0.2 secs

EASTERN NEW GUINEA REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15601	329	EP	KPdf		853	42.190	.070							1.0
GGNV	BZ15601	329	EPP			856	40.33	-.060							1.0
GGNV	BZ15601	329	IAMs	_20		958	12.94			40437	24.4				
GRNL	BZ15619	328	EP	KPdf		853	42.470	.050							1.0
GRNL	BZ15619	328	EPP			856	41.450	.070							1.0
GRNL	BZ15619	328	IAMs	_20		957	50.99			37892	29.3				
MESJ	BZ15620	328	EP	KPdf		853	42.33	-.130							1.0
MESJ	BZ15620	328	EPP			856	41.15	-.330							0.9
MESJ	BZ15620	328	IAMs	_20		959	18.80			55503	39.0				
MORF	BZ15690	327	EP	KPdf		853	43.740	.110							1.0
MORF	BZ15690	327	EPP			856	45.560	.200							1.0
MORF	BZ15690	327	IAMs	_20		959	21.24			38085	24.4				

October 7 2023 Hour: 9:40 30.5 Lat: 34.67N Lon: 61.99E Depth: 9F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

WESTERN AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	6187	296	EP		950	6.780	.010							1.0
GRNL	BZ	6187	296	IAmb		950	8.11			16	1.1				

October 7 2023 Hour: 14:47 57.8 Lat: 38.17N Lon: 9.35W Depth: 24F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.2 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	69	95	EP		1448	9.150	.120							1.0
GRNL	CE	69	95	ES		1448	17.250	.010							1.0
GRNL	CE	69	95	IAML		1448	19.08			11	0.1				
MESJ	HZ	106	110	EP		1448	13.75	-.370							1.0
MESJ	HN	106	110	ES		1448	26.270	.230							1.0
MESJ	HN	106	110	IAML		1448	26.88			1	0.1				

October 8 2023 Hour: 3:0 20.9 Lat: 38.73N Lon: 8.45W Depth: 0 Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

NE VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CN	70	188	ES		3 0	40.46	-.060							1.0
GRNL	CN	70	188	IAML		3 0	41.18			3	0.2				
MESJ	HZ	101	168	EP		3 0	37.340	.050							1.0
MESJ	HE	101	168	ES		3 0	49.230	.010							1.0
MESJ	HN	101	168	IAML		3 0	49.78			0.50	0.1				

October 8 2023 Hour: 7:28 53.9 Lat: 21.21S Lon: 69.58W Depth: 72F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9146	44	EP		741	7.240	.110							1.0
GRNL	BZ	9146	44	IAMB		741	7.77			47	2.0				
MESJ	BZ	9154	45	EP		741	7.44	-.110							1.0

October 8 2023 Hour: 10:12 6.0 Lat: 36.99N Lon: 8.36W Depth: 14F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	324	EP		1012	13.11	-.210							1.0
MORF	HN	43	324	ES		1012	18.61	-.040							1.0
MORF	HE	43	324	IAML		1012	20.24			132	0.2				
MESJ	HZ	95	8	EP		1012	21.420	.290							1.0
MESJ	HE	95	8	ES		1012	32.12	-.040							1.0
MESJ	HN	95	8	IAML		1012	34.06			53	0.2				
GRNL	CZ	126	352	EP		1012	25.720	.060							1.0
GRNL	CN	126	352	ES		1012	39.96	-.040							1.0
GRNL	CN	126	352	IAML		1012	41.31			62	0.1				

October 8 2023 Hour: 12:53 22.6 Lat: 38.20N Lon: 8.89W Depth: 18F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs

NW MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	30	110	EP		1253	27.98	-.160							1.0
GRNL	CN	30	110	ES		1253	32.350	.160							1.0
GRNL	CN	30	110	IAML		1253	33.39			3	0.0				

October 9 2023 Hour: 0:49 6.6 Lat: 36.65N Lon: 8.00W Depth: 26F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HN	134	352	ES		049	40.770	.040							1.0
MESJ	HE	134	352	IAML		049	41.61			0.80	0.1				
GRNL	CZ	170	343	EP		049	30.860	.050							1.0
GRNL	CN	170	343	ES		049	48.38	-.090							1.0
GRNL	CN	170	343	IAML		049	50.36			1.00	0.1				

October 9 2023 Hour: 3:50 48.6 Lat: 0.39N Lon: 122.20E Depth:134F Agency: IGL Distant
Rms: 0.0 secs

MINAHASA, SULAWESI, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13426	316	EP	KPdf		4 9	24.290	.040							1.0
GRNL	BZ13439	316	EP	KPdf		4 9	24.43-	.040							1.0

October 9 2023 Hour: 5:9 40.7 Lat: 44.68N Lon: 146.29E Depth:174F Agency: IGL Distant
Rms: 0.0 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ10504	340	EP			522	40.890	.050							1.0
MESJ	BZ10523	340	EP			522	41.58-	.050							1.0

October 9 2023 Hour: 12:19 13.0 Lat: 37.12N Lon: 8.85W Depth: 20F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.2 secs

NE VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	27	40	EP		1219	18.34-	.060							1.0
MORF	HE	27	40	ES		1219	22.390	.060							1.0
MORF	HE	27	40	IAML		1219	22.91			110	0.1				
MESJ	HZ	98	35	EP		1219	28.34-	.200							1.0
MESJ	HE	98	35	ES		1219	40.210	.340							1.0
MESJ	HE	98	35	IAML		1219	40.98			20	0.2				
GRNL	CZ	113	13	EP		1219	30.47-	.110							1.0
GRNL	CE	113	13	ES		1219	43.39-	.020							1.0
GRNL	CN	113	13	IAML		1219	44.97			48	0.1				

October 9 2023 Hour: 13:30 46.3 Lat: 34.56N Lon: 62.08E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

WESTERN AFGHANISTAN Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6181	295	EP		1340	21.92-	.170							1.0
MESJ	BZ	6181	295	IAMB		1340	23.54			21	1.2				
GRNL	BZ	6200	296	EP		1340	23.460	.170							1.0
GRNL	BZ	6200	296	IAMB		1340	25.09			26	1.1				

October 9 2023 Hour: 18:23 9.1 Lat: 49.09N Lon: 21.78E Depth: 8F Agency: IGL Distant
Magnitudes: 4.8Ms IGL Rms: 0.0 secs

SLOVAKIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2705	254	EP		1828	27.32-	.010							1.0
MESJ	BN	2705	254	ES		1832	48.030	.060							1.0
MESJ	BZ	2705	254	IAMS_20		1839	23.28			2256	13.1				
GRNL	BE	2712	255	ES		1832	48.85-	.070							1.0
GRNL	BN	2712	255	IAMS_20		1837	13.58			1904	22.5				
GGNV	BN	2713	257	ES		1832	49.120	.010							1.0
GGNV	BZ	2713	257	IAMS_20		1839	26.17			2288	11.3				

October 9 2023 Hour: 19:10 41.9 Lat: 36.20N Lon: 8.65W Depth: 31F Agency: IGL Regional
Magnitudes: 3.1ML 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	123	0	EP		1910	59.23-	.030							1.0
MORF	HN	123	0	ES		1911	11.970	.070							1.0
MORF	HN	123	0	IAML		1911	13.96			271	0.2				
MESJ	HZ	186	12	EP		1911	7.290	.180							1.0
GRNL	CZ	212	2	EP		1911	10.23-	.090							1.0
GRNL	CN	212	2	ES		1911	30.89-	.140							1.0
GRNL	CN	212	2	IAML		1911	33.94			174	0.1				

October 9 2023 Hour: 21:34 4.8 Lat: 36.35N Lon: 7.75W Depth: 31F 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	171	346	EP		2134	28.120	.050							1.0
GRNL	CZ	209	340	EP		2134	32.70	-.050							1.0

October 10 2023 Hour: 0:13 15.4 Lat: 23.61S Lon: 63.66W Depth:538F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

SALTA, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8865	42	EP		024	27.25	-.060							1.0
MORF	BZ	8865	42	IAmb		024	30.22			83	1.3				
GRNL	BZ	8928	41	EP		024	30.290	.080							1.0
GRNL	BZ	8928	41	IAmb		024	32.42			63	1.2				
MESJ	BZ	8932	41	EP		024	30.41	-.010							1.0
MESJ	BZ	8932	41	IAmb		024	32.81			47	0.8				

October 10 2023 Hour: 0:17 37.5 Lat: 38.63N Lon: 3.25W Depth: 24F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	444	260	EP		018	35.740	.060							1.0
MESJ	HN	444	260	ES		019	18.13	-.060							1.0
MESJ	HN	444	260	IAML		019	20.83			3	0.1				

October 10 2023 Hour: 2:22 59.7 Lat: 36.07N Lon: 8.57W Depth: 33F 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	138	357	EP		223	19.50	-.060							1.0
MORF	HN	138	357	ES		223	34.130	.060							1.0
MORF	HN	138	357	IAML		223	35.02			9	0.1				
MESJ	HZ	199	9	EP		223	27.320	.140							1.0
MESJ	HN	199	9	ES		223	47.320	.060							1.0
MESJ	HN	199	9	IAML		223	48.17			4	0.1				
GRNL	CZ	227	360	EP		223	30.610	.030							1.0
GRNL	CN	227	360	ES		223	52.90	-.230							1.0
GRNL	CN	227	360	IAML		223	54.45			5	0.2				

October 10 2023 Hour: 2:39 48.6 Lat: 36.61N Lon: 9.73W Depth: 35F 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	123	51	EP		240	6.55	-.110							1.0
MESJ	HE	191	44	ES		240	34.640	.190							1.0
MESJ	HE	191	44	IAML		240	35.48			0.50	0.1				
GRNL	CN	196	31	ES		240	35.28	-.070							1.0
GRNL	CN	196	31	IAML		240	36.08			2	0.2				

October 10 2023 Hour: 10:13 32.1 Lat: 22.97S Lon: 66.36W Depth:255F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.2 secs

JUJUY, ARGENTINA Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8999	43	EP		1013	18.070	.100							1.0
MORF	BZ	8999	43	IAmb		1013	19.82			244	1.3				
MORF	BN	8999	43	ES		1023	4.97	-.230							1.0
GRNL	BZ	9060	42	EP		1013	20.940	.190							1.0
GRNL	BZ	9060	42	IAmb		1013	22.09			67	0.8				
GRNL	BN	9060	42	ES		1023	10.46	-.190							1.0
GGNV	BZ	9062	42	EP		1013	21.100	.290							1.0
GGNV	BZ	9062	42	IAmb		1013	22.75			277	1.3				
GGNV	BN	9062	42	ES		1023	10.860	.080							1.0

MESJ BZ 9066 43 EP 1013 21.070.020 1.0
MESJ BZ 9066 43 IAmb 1013 23.36 146 1.0
MESJ BN 9066 43 ES 1023 10.95-.270 1.0

**October 10 2023 Hour: 11: 6 2.5 Lat: 38.13N Lon: 8.12W Depth: 9F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs**

N FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	34	195	EP		11 6	8.290	.100							1.0
MESJ	HN	34	195	ES		11 6	12.23-	.100							1.0
MESJ	HE	34	195	IAML		11 6	12.53			17	0.2				
GRNL	CZ	40	266	EP		11 6	9.120	.040							1.0
GRNL	CN	40	266	ES		11 6	13.83-	.030							1.0
GRNL	CE	40	266	IAML		11 6	14.49			23	0.2				

**October 10 2023 Hour: 11:21 43.6 Lat: 36.90N Lon: 6.92W Depth: 18F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	155	313	EP		1122	6.640	.050							1.0
MORF	HE	160	287	ES		1122	24.43-	.050							1.0
MORF	HN	160	287	IAML		1122	24.84			3	0.1				

**October 10 2023 Hour: 19:14 6.9 Lat: 36.73N Lon: 7.58W Depth: 26F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	114	304	ES		1914	36.69-	.160							1.0
MORF	HE	114	304	IAML		1914	37.74			3	0.2				
MESJ	HZ	135	335	EP		1914	26.65-	.100							1.0
MESJ	HN	135	335	ES		1914	41.490	.240							1.0
MESJ	HN	135	335	IAML		1914	44.27			2	0.1				
GRNL	CZ	176	331	EP		1914	31.68-	.110							1.0
GRNL	CN	176	331	ES		1914	50.120	.140							1.0
GRNL	CN	176	331	IAML		1914	50.99			1.00	0.1				

**October 10 2023 Hour: 22:25 55.4 Lat: 36.89N Lon: 9.19W Depth: 28F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	66	46	EP		2226	6.41-	.030							1.0
MORF	HN	66	46	ES		2226	14.550	.050							1.0
MORF	HN	66	46	IAML		2226	15.30			13	0.1				
MESJ	HZ	136	39	EP		2226	15.23-	.020							1.0

**October 10 2023 Hour: 23: 5 57.0 Lat: 31.24N Lon: 8.28W Depth: 7F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	673	357	EP		23 7	26.17-	.140							1.0
MESJ	HZ	732	0	EP		23 7	33.620	.020							1.0
GRNL	CZ	762	358	EP		23 7	37.320	.040							0.9
GRNL	CE	762	358	ES		23 8	50.560	.100							0.9
GRNL	CN	762	358	IAML		23 8	54.85			2	0.2				

**October 10 2023 Hour: 23:10 23.1 Lat: 32.89N Lon: 5.18W Depth: 11F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs**

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	584	328	EP		2311	39.500	.070							1.0
MORF	HE	584	328	ES		2312	34.95-	.240							1.0
MORF	HN	584	328	IAML		2312	39.00			7	0.3				
MESJ	HZ	615	334	EP		2311	43.300	.080							1.0
MESJ	HE	615	334	ES		2312	41.68-	.070							1.0

MESJ HN	615	334	IAML	2312	45.52				2	0.2							
GRNL CZ	656	333	EP	2311	48.14	-	.020										1.0
GRNL CE	656	333	ES	2312	50.500	.210											1.0
GRNL CN	656	333	IAML	2312	53.56				2	0.2							

**October 11 2023 Hour: 0:41 56.1 Lat: 34.56N Lon: 62.04E Depth: 9F Agency: IGL Distant
Magnitudes: 6.3Mb IGL Rms: 0.1 secs**

WESTERN AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6178	295	EP		051	31.860	.040							1.0
MESJ	BZ	6178	295	IAmb		051	34.88			282	1.3				
MESJ	BN	6178	295	ES		059	18.530	.150							1.0
GRNL	BZ	6197	296	EP		051	32.90	-	.130						1.0
GRNL	BZ	6197	296	IAmb		051	36.34			277	0.9				
GRNL	BE	6197	296	ES		059	20.840	.230							1.0
GGNV	BZ	6222	297	EP		051	34.51	-	.110						1.0
GGNV	BZ	6222	297	IAmb		051	37.73			616	1.1				
GGNV	BN	6222	297	ES		059	23.630	.040							1.0
MORF	BZ	6234	295	EP		051	35.24	-	.270						1.0
MORF	BZ	6234	295	IAmb		051	37.99			302	1.3				
MORF	BN	6234	295	ES		059	25.250	.040							1.0

**October 11 2023 Hour: 0:52 45.3 Lat: 34.60N Lon: 62.13E Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs**

WESTERN AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	6202	296	EP		1	2	22.420	.000						1.0
GRNL	BZ	6202	296	IAmb		1	2	22.87			26	1.4			

**October 11 2023 Hour: 4:10 35.7 Lat: 15.86S Lon: 69.50W Depth: 214F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs**

SOUTHERN PERU Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8668	45	EP		422	9.930	.010							1.0
MORF	BZ	8668	45	IAmb		422	10.74			15	0.8				
GRNL	BZ	8720	45	EP		422	12.440	.030							1.0
GRNL	BZ	8720	45	IAmb		422	13.52			9	0.6				
MESJ	BZ	8731	45	EP		422	12.94	-	.040						1.0
MESJ	BZ	8731	45	IAmb		422	14.03			8	0.8				

**October 11 2023 Hour: 5: 0 28.0 Lat: 36.62N Lon: 7.63W Depth: 21F 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	119	310	EP		5	0	46.23	-	.010					1.0

**October 11 2023 Hour: 6:34 56.5 Lat: 36.22N Lon: 8.55W Depth: 17F 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	120	356	EP		635	15.11	-	.160						1.0
MORF	HN	120	356	ES		635	29.000	.040							1.0
MORF	HE	120	356	IAML		635	29.83			22	0.1				
MESJ	HZ	182	9	EP		635	23.000	.130							1.0
MESJ	HN	182	9	ES		635	42.140	.030							1.0
MESJ	HE	182	9	IAML		635	43.27			6	0.2				
GRNL	CZ	209	360	EP		635	26.18	-	.100						1.0
GRNL	CN	209	360	ES		635	48.060	.060							1.0
GRNL	CN	209	360	IAML		635	50.63			10	0.2				

October 11 2023 Hour: 18:37 22.0 Lat: 29.59N Lon: 81.15E Depth: 10F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs

NET: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8018	304	EP		1848	46.71	0.030							1.0
MESJ	BZ	8018	304	IAMB		1848	47.84			7	0.7				
GRNL	BZ	8034	304	EP		1848	47.50	-0.030							1.0
GRNL	BZ	8034	304	IAMB		1848	49.79			19	1.4				

October 11 2023 Hour: 20: 5 0.3 Lat: 52.14S Lon: 139.60E Depth: 10F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.1 secs

WEST OF MACQUARIE ISLAND Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	17026	249	EP	KP	2024	50.45	0.080							1.0
MORF	BZ	17026	249	IAMS	20	2154	35.52			7331	24.0				
MESJ	BZ	17039	250	EP	KP	2024	50.45	-0.030							1.0
MESJ	BZ	17039	250	IAMS	20	2157	43.09			6681	16.9				
GRNL	BZ	17082	250	EP	KP	2024	50.98	-0.040							1.0
GRNL	BZ	17082	250	IAMS	20	2123	23.77			8783	35.7				

October 11 2023 Hour: 22:42 43.9 Lat: 36.54N Lon: 7.93W 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	106	323	EP		2242	59.86	-0.020							1.0
GRNL	CZ	183	342	EP		2243	9.51	0.150							1.0
GRNL	CN	183	342	ES		2243	27.84	-0.120							1.0
GRNL	CE	183	342	IAML		2243	28.91			6	0.1				

October 12 2023 Hour: 2:41 11.9 Lat: 52.79N Lon: 171.26W Depth: 118F Agency: IGL Distant
Magnitudes: 5.2Mb 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
GRNL	BZ	9801	14	EP		253	49.04	-0.040							1.0
GRNL	BZ	9801	14	IAMB		253	50.31			40	1.3				
MESJ	BZ	9836	13	EP		253	50.49	-0.080							1.0
MESJ	BZ	9836	13	IAMB		253	51.35			4	0.8				
MORF	BZ	9887	14	EP		253	52.92	0.110							1.0
MORF	BZ	9887	14	IAMB		253	54.70			120	1.9				

October 12 2023 Hour: 5: 0 1.3 Lat: 35.53N Lon: 6.76W Depth: 32F 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	260	320	EP		5	0	36.14	-0.240						1.0
MORF	HE	260	320	ES		5	1	2.02	0.040						1.0
MORF	HE	260	320	IAML		5	1	2.94			2	0.1			
MESJ	HZ	288	333	EP		5	0	39.89	0.120						1.0
MESJ	HN	288	333	ES		5	1	7.92	0.070						1.0
MESJ	HN	288	333	IAML		5	1	9.17		0.90	0.2				
GRNL	CZ	328	331	EP		5	0	44.85	0.010						1.0
GRNL	CN	328	331	ES		5	1	16.63	0.000						1.0
GRNL	CN	328	331	IAML		5	1	17.24		0.80	0.1				

October 12 2023 Hour: 5: 0 21.3 Lat: 17.80S Lon: 178.65W Depth: 562F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	17581	21	EP	KP	519	51.04	-0.010							1.0
MESJ	BZ	17622	21	EP	KP	519	52.66	0.010							1.0

October 12 2023 Hour: 5:43 16.8 Lat: 37.28N Lon: 7.74W Depth: 2F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NW TAVIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	75	325	EP		543	29.010	.140							1.0
MESJ	HE	75	325	ES		543	37.54	-.150							1.0
MESJ	HN	75	325	IAML		543	40.80			3	0.1				
MORF	HZ	81	272	EP		543	29.900	.010							1.0
GRNL	CZ	117	321	EP		543	35.800	.110							1.0
GRNL	CE	117	321	ES		543	49.38	-.110							1.0
GRNL	CN	117	321	IAML		543	52.00			3	0.1				

October 12 2023 Hour: 6:10 22.8 Lat: 37.31N Lon: 8.52W Depth: 13F Agency: IGL Regional
Magnitudes: 1.5ML 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	12	266	EP		610	25.59	-.130							1.0
MORF	HN	12	266	ES		610	27.85	-.000							1.0
MORF	HE	12	266	IAML		610	28.27			163	0.2				
MESJ	HZ	64	24	EP		610	33.17	-.020							1.0
GRNL	CZ	89	357	EP		610	37.110	.230							1.0
GRNL	CN	89	357	ES		610	47.10	-.060							1.0
GRNL	CN	89	357	IAML		610	48.92			10	0.1				

October 12 2023 Hour: 6:11 25.6 Lat: 37.33N Lon: 8.51W Depth: 12F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	255	EP		611	28.48	-.070							1.0
MORF	HN	13	255	ES		611	30.780	.070							1.0
MORF	HN	13	255	IAML		611	31.49			27	0.1				

October 12 2023 Hour: 17:9 32.6 Lat: 37.61N Lon: 9.06W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

W ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	50	134	EP		17	9	40.58	-.170						1.0
MORF	HE	50	134	ES		17	9	46.72	-.020						1.0
MORF	HE	50	134	IAML		17	9	47.21			8	0.2			
GRNL	CZ	70	38	EP		17	9	43.780	.010						1.0
GRNL	CN	70	38	ES		17	9	52.150	.190						1.0
GRNL	CN	70	38	IAML		17	9	52.58			2	0.1			

October 12 2023 Hour: 18:3 1.4 Lat: 37.63N Lon: 9.08W Depth: 14F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

W ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	52	133	EP		18	3	9.970	.040						1.0
MORF	HE	52	133	ES		18	3	16.13	-.040						1.0
MORF	HE	52	133	IAML		18	3	17.20			21	0.1			
GRNL	CN	70	40	ES		18	3	20.930	.070						1.0
GRNL	CN	70	40	IAML		18	3	21.61			4	0.1			
MESJ	HZ	79	72	EP		18	3	14.01	-.050						1.0
MESJ	HE	79	72	ES		18	3	23.30	-.020						1.0
MESJ	HN	79	72	IAML		18	3	24.57			2	0.1			

October 12 2023 Hour: 18:16 57.5 Lat: 37.62N Lon: 9.05W Depth: 11F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

W ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	50	135	EP		1817	5.660	.000							1.0
MORF	HE	50	135	ES		1817	11.810	.170							1.0
MORF	HE	50	135	IAML		1817	12.31				13	0.2			

GRNL	CZ	69	38	EP		1817	8.62	-.020									1.0
GRNL	CE	69	38	ES		1817	16.830	.040									1.0
GRNL	CN	69	38	IAML		1817	18.49			4	0.1						
MESJ	HZ	77	71	EP		1817	9.67	-.220									1.0
MESJ	HE	77	71	ES		1817	18.980	.020									1.0
MESJ	HE	77	71	IAML		1817	19.50			1	0.1						

October 12 2023 Hour: 18:59 15.1 Lat: 36.75N Lon: 10.91W Depth: 8F 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	210	72	EP		1859	45.880	.010							1.0		
GRNL	CZ	257	53	EP		1859	51.42	-.160							1.0		
GRNL	CN	257	53	ES		19 0	18.310	.070							1.0		
GRNL	CN	257	53	IAML		19 0	20.54			2	0.2						
MESJ	HZ	268	62	EP		1859	53.050	.080									1.0

October 13 2023 Hour: 0:16 35.0 Lat: 30.99N Lon: 7.03W Depth: 2F Agency: IGL Regional
Magnitudes: 1.8ML IGL 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	716	348	EP		018	10.13	-.030							1.0	
MESJ	HZ	768	352	EP		018	16.480	.020							1.0	
MESJ	HN	768	352	ES		019	30.560	.020							1.0	
MESJ	HE	768	352	IAML		019	34.55			0.90	0.2					

October 13 2023 Hour: 1:42 26.5 Lat: 37.37N Lon: 9.19W Depth: 28F Agency: IGL Regional
Magnitudes: 0.6ML 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	48	98	EP		142	35.130	.050							1.0	
MORF	HE	48	98	ES		142	41.33	-.040							1.0	
MORF	HE	48	98	IAML		142	41.72			4	0.1					
GRNL	CZ	99	34	EP		142	41.880	.200							1.0	
GRNL	CN	99	34	ES		142	52.74	-.050							1.0	
GRNL	CN	99	34	IAML		142	53.58			0.80	0.1					
MESJ	HN	101	58	ES		142	53.01	-.160							1.0	
MESJ	HN	101	58	IAML		142	53.53			2	0.1					

October 13 2023 Hour: 2:29 36.3 Lat: 36.76N Lon: 9.64W Depth: 24F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT	
MORF	HZ	107	55	EP		229	52.780	.030							1.0	
MORF	HE	107	55	ES		230	4.890	.110							1.0	
MORF	HN	107	55	IAML		230	6.33			10	0.1					
MESJ	HZ	174	46	EP		230	0.98	-.090							1.0	
GRNL	CZ	177	32	EP		230	1.510	.010							1.0	
GRNL	CN	177	32	ES		230	19.85	-.070							1.0	
GRNL	CN	177	32	IAML		230	20.91			4	0.2					

October 13 2023 Hour: 3:57 11.4 Lat: 37.18N Lon: 8.18W Depth: 0 Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NE ALBUFEIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT	
MORF	HZ	44	289	EP		357	18.38	-.120							1.0	
MORF	HE	44	289	ES		357	23.700	.010							1.0	
MORF	HN	44	289	IAML		357	24.70			14	0.1					
MESJ	HZ	74	357	EP		357	23.430	.200							1.0	
MESJ	HN	74	357	ES		357	31.82	-.070							1.0	
MESJ	HN	74	357	IAML		357	32.67			3	0.1					
GRNL	CZ	109	342	EP		357	29.000	.080							1.0	
GRNL	CN	109	342	ES		357	41.64	-.090							1.0	
GRNL	CN	109	342	IAML		357	42.72			8	0.1					

October 13 2023 Hour: 4:15 26.0 Lat: 37.32N Lon: 8.63W Depth: 15F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	2	233	EP		415	28.35	-.140							1.0
MORF	HE	2	233	ES		415	30.46	0.140							1.0
MORF	HE	2	233	IAML		415	30.86			9	0.2				

October 13 2023 Hour: 8:54 33.6 Lat: 23.51S Lon: 179.99W Depth: 537F 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
GRNL	BZ18214	25	EPKP			913	34.28	-.100							1.0
MORF	BZ18288	26	EPKP			913	35.15	0.100							1.0

October 13 2023 Hour: 20: 9 12.0 Lat: 35.33N Lon: 3.61W Depth: 30F 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
GRNL	CZ	539	306	EP		2010	21.33	0.000							1.0

October 13 2023 Hour: 21:56 19.4 Lat: 38.92N Lon: 8.36W Depth: 17F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

SE CORUCHE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CE	92	191	ES		2156	44.78	0.020							1.0
GRNL	CE	92	191	IAML		2156	45.43			6	0.1				
MESJ	HZ	121	174	EP		2156	38.13	-.050							1.0
MESJ	HN	121	174	ES		2156	51.94	0.020							1.0
MESJ	HN	121	174	IAML		2156	52.45			1	0.2				

October 13 2023 Hour: 23:13 4.4 Lat: 35.78N Lon: 10.28W Depth: 25F 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	223	40	EP		2313	35.30	0.020							1.0
MORF	HN	223	40	ES		2313	57.72	-.130							1.0
MORF	HE	223	40	IAML		2313	59.38			2	0.2				
GRNL	CN	300	30	ES		2314	14.38	0.120							1.0
GRNL	CN	300	30	IAML		2314	15.25			1	0.1				

October 14 2023 Hour: 6:34 9.4 Lat: 31.39S Lon: 179.65E Depth: 391F Agency: IGL Distant
Rms: 0.0 secs

KERMADEC ISLANDS REGION Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ18961	43	EPKpdf			653	30.53	-.010							1.0
MESJ	BZ19004	43	EPKpdf			653	30.80	0.040							1.0
MORF	BZ19013	47	EPKpdf			653	30.84	-.020							1.0

October 14 2023 Hour: 8:29 35.4 Lat: 7.47N Lon: 36.70W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Ms 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
GRNL	BZ	4421	36	EP		837	8.17	0.140							1.0
GRNL	BN	4421	36	ES		843	12.75	-.020							1.0
GRNL	BZ	4421	36	IAMs_20		848	48.77			1301	19.5				
MESJ	BE	4424	36	ES		843	12.99	-.120							1.0
MESJ	BZ	4424	36	IAMs_20		848	47.92			1187	18.8				

**October 14 2023 Hour: 10:16 55.1 Lat: 36.52N Lon: 7.37W Depth: 30F 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	144	308	EP		1017	15.51	-.250							1.0
MESJ	HZ	165	333	EP		1017	18.480	.100							1.0
MESJ	HN	165	333	ES		1017	35.36	-.030							1.0
MESJ	HN	165	333	IAML		1017	37.15		3	0.1					
GRNL	CZ	206	329	EP		1017	23.630	.160							1.0
GRNL	CN	206	329	ES		1017	44.230	.030							1.0
GRNL	CN	206	329	IAML		1017	45.67		2	0.2					

**October 14 2023 Hour: 13:34 28.8 Lat: 36.54N Lon: 7.40W Depth: 21F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	140	308	EP		1334	49.73	-.030							1.0
MESJ	HN	162	333	ES		1335	9.560	.030							1.0
MESJ	HN	162	333	IAML		1335	11.25		2	0.1					

**October 14 2023 Hour: 19:12 12.4 Lat: 37.34N Lon: 8.51W Depth: 9F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs**

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	255	EP		1912	14.93	-.100							1.0
MORF	HE	14	255	ES		1912	17.130	.140							1.0
MORF	HN	14	255	IAML		1912	17.71		28	0.2					
MESJ	HE	61	24	ES		1912	29.56	-.090							1.0
MESJ	HE	61	24	IAML		1912	31.24		1	0.1					
GRNL	CN	86	356	ES		1912	36.380	.050							1.0
GRNL	CE	86	356	IAML		1912	37.76		2	0.2					

**October 14 2023 Hour: 20:27 41.0 Lat: 36.43N Lon: 9.87W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.2 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	145	48	EP		2028	1.150	.000							1.0
MORF	HE	145	48	ES		2028	15.890	.070							1.0
MORF	HN	145	48	IAML		2028	17.27		18	0.1					
MESJ	HZ	214	43	EP		2028	9.59	-.070							1.0
MESJ	HN	214	43	ES		2028	30.780	.230							1.0
MESJ	HN	214	43	IAML		2028	33.53		4	0.1					
GRNL	CZ	219	31	EP		2028	10.01	-.240							1.0

**October 14 2023 Hour: 21:36 30.6 Lat: 37.14N Lon: 8.06W Depth: 19F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs**

W LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	56	289	EP		2136	39.86	-.080							1.0
MORF	HN	56	289	ES		2136	46.71	-.010							1.0
MORF	HN	56	289	IAML		2136	48.11		68	0.1					
MESJ	HZ	79	350	EP		2136	43.530	.140							1.0
MESJ	HE	79	350	ES		2136	52.69	-.000							1.0
MESJ	HN	79	350	IAML		2136	54.69		30	0.1					
GRNL	CZ	117	337	EP		2136	48.69	-.060							1.0
GRNL	CN	117	337	ES		2137	1.990	.010							1.0
GRNL	CN	117	337	IAML		2137	4.21		12	0.1					

October 15 2023 Hour: 1:17 53.9 Lat: 36.85N Lon: 8.62W 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	50	357	EP		118	2.820	.130							1.0
MORF	HE	50	357	ES		118	9.07	-.060							1.0
MORF	HE	50	357	IAML		118	9.55			10	0.1				
MESJ	HZ	115	18	EP		118	11.18	-.020							1.0
MESJ	HE	115	18	ES		118	23.890	.040							1.0
MESJ	HN	115	18	IAML		118	26.37			2	0.2				
GRNL	CZ	140	2	EP		118	14.06	-.150							1.0
GRNL	CN	140	2	ES		118	29.110	.060							1.0
GRNL	CN	140	2	IAML		118	29.45			2	0.2				

October 15 2023 Hour: 3:35 59.9 Lat: 34.61N Lon: 62.11E Depth: 6F Agency: IGL Distant
Magnitudes: 6.5Mb IGL Rms: 0.1 secs

WESTERN AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6181	295	EP		345	36.25	-.080							1.0
MESJ	BZ	6181	295	IAMB		345	42.45			531	1.7				
MESJ	BN	6181	295	ES		353	23.440	.050							1.0
GRNL	BZ	6200	296	EP		345	37.47	-.070							1.0
GRNL	BZ	6200	296	IAMB		345	43.99			1202	1.8				
GRNL	BZ	6200	296	EPP		347	41.870	.020							1.0
GRNL	BN	6200	296	ES		353	25.770	.150							1.0
GGNV	BZ	6225	297	EP		345	39.150	.030							1.0
GGNV	BZ	6225	297	IAMB		345	46.67			1436	1.7				
GGNV	BN	6225	297	ES		353	28.50	-.080							1.0
MORF	BZ	6237	295	EP		345	39.92	-.100							1.0
MORF	BZ	6237	295	IAMB		345	46.90			430	1.5				
MORF	BN	6237	295	ES		353	30.330	.100							1.0

October 15 2023 Hour: 3:56 28.8 Lat: 34.59N Lon: 62.15E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

WESTERN AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6185	295	EP		4 6	4.870	.040							1.0
MESJ	BZ	6185	295	IAMB		4 6	8.60			35	1.3				
GRNL	BZ	6204	296	EP		4 6	6.00	-.040							1.0
GRNL	BZ	6204	296	IAMB		4 6	10.25			71	1.3				

October 15 2023 Hour: 8:27 19.0 Lat: 37.07N Lon: 2.34W 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	527	281	EP		828	29.57	-.040							1.0
GRNL	CZ	562	284	EP		828	33.870	.040							1.0

October 15 2023 Hour: 11:15 37.4 Lat: 31.05N Lon: 49.44E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

WESTERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5271	295	EP		1124	11.58	-.120							1.0
MESJ	BZ	5271	295	IAMB		1124	13.74			24	1.4				
GRNL	BZ	5296	295	EP		1124	13.570	.120							1.0
GRNL	BZ	5296	295	IAMB		1124	14.36			16	0.8				

October 15 2023 Hour: 19: 3 16.2 Lat: 37.33N Lon: 8.52W Depth: 13F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.2 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	254	EP		19	3	18.69	-						1.0
MORF	HN	12	254	ES		19	3	21.43	0.190						1.0
MORF	HE	12	254	IAML		19	3	22.05		254	0.1				
MESJ	HZ	62	25	EP		19	3	26.36	0.100						1.0
MESJ	HE	62	25	ES		19	3	33.62	0.010						1.0
MESJ	HE	62	25	IAML		19	3	34.51		19	0.1				
GRNL	CZ	86	357	EP		19	3	29.99	0.110						1.0
GRNL	CE	86	357	ES		19	3	39.90	0.020						1.0
GRNL	CN	86	357	IAML		19	3	41.34		49	0.2				

October 15 2023 Hour: 23:16 3.6 Lat: 37.31N Lon: 8.64W Depth: 11F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	1	221	EP		2316		5.39	-						1.0
MORF	HN	1	221	ES		2316		7.01	0.120						1.0
MORF	HE	1	221	IAML		2316		7.39		30	0.1				

October 16 2023 Hour: 5:16 36.4 Lat: 37.30N Lon: 8.57W Depth: 12F Agency: IGL Regional
Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	273	EP		516		38.60	-						1.0
MORF	HE	7	273	ES		516		40.45	0.080						1.0

October 16 2023 Hour: 8:55 48.1 Lat: 38.13N Lon: 8.31W Depth: 15F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	23	263	EP		855		52.55	0.060						1.0
GRNL	CN	23	263	ES		855		55.56	-						1.0
GRNL	CN	23	263	IAML		855		55.78		4	0.1				
MESJ	HZ	34	166	EP		855		54.17	0.160						1.0
MESJ	HN	34	166	ES		855		58.17	-						1.0
MESJ	HN	34	166	IAML		855		58.31		5	0.1				

October 16 2023 Hour: 11:35 31.3 Lat: 52.51N Lon: 176.90W Depth: 185F Agency: IGL Distant
Rms: 0.1 secs

ANDREANOF ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9907	9	EpP		1148		52.04	0.220						1.0
MESJ	BZ	9940	9	EpP		1148		53.46	0.220						1.0
MORF	BZ	9995	9	EpP		1148		55.61	0.030						1.0

October 16 2023 Hour: 14:42 36.2 Lat: 37.31N Lon: 8.58W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.2 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	263	EP		1442		38.21	-						1.0
MORF	HN	7	263	ES		1442		40.35	0.140						1.0
MORF	HE	7	263	IAML		1442		40.93		30	0.1				
MESJ	HN	67	28	ES		1442		54.87	0.040						1.0
MESJ	HN	67	28	IAML		1442		55.68		5	0.1				
GRNL	CZ	88	0	EP		1442		50.42	0.130						1.0
GRNL	CN	88	0	ES		1443		0.58	0.020						1.0
GRNL	CN	88	0	IAML		1443		0.84		5	0.1				

October 16 2023 Hour: 18:22 40.1 Lat: 31.11N Lon: 8.38W Depth: 10F Agency: IGL Regional
Magnitudes: 2.1ML 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	747	1	EP		1824	18.05	-.130							1.0
GRNL	CZ	777	359	EP		1824	21.63	-.060							1.0
GRNL	CN	777	359	ES		1825	36.080	.200							1.0
GRNL	CE	777	359	IAML		1825	39.09			2	0.2				

October 16 2023 Hour: 18:33 20.3 Lat: 24.51S Lon: 67.04W Depth:169FAgency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.1 secs

SALTA, ARGENTINA Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9232	43	EP		1845	26.610	.130							1.0
GRNL	BZ	9232	43	IAMB		1845	27.85			26	1.1				
MESJ	BZ	9237	43	EP		1845	26.63	-.130							1.0
MESJ	BZ	9237	43	IAMB		1845	27.98			19	0.7				

October 16 2023 Hour: 18:52 41.0 Lat: 36.74N Lon: 6.92W Depth: 34F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	167	293	EP		1853	4.33	-.210							1.0
MORF	HE	167	293	ES		1853	21.56	-.150							1.0
MORF	HN	167	293	IAML		1853	23.78			62	0.1				
MESJ	HZ	168	317	EP		1853	4.860	.170							1.0
MESJ	HN	168	317	ES		1853	21.980	.010							1.0
MESJ	HN	168	317	IAML		1853	23.27			30	0.1				
GRNL	CZ	211	317	EP		1853	10.140	.140							1.0
GRNL	CN	211	317	ES		1853	31.200	.050							1.0
GRNL	CN	211	317	IAML		1853	32.11			44	0.2				

October 16 2023 Hour: 19:12 22.8 Lat: 36.74N Lon: 6.89W Depth: 46F 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	170	316	EP		1912	46.780	.030							1.0
MESJ	HN	170	316	ES		1913	4.00	-.230							1.0
MESJ	HN	170	316	IAML		1913	5.30			2	0.1				
GRNL	CZ	213	316	EP		1912	52.110	.090							1.0
GRNL	CE	213	316	ES		1913	13.480	.120							1.0
GRNL	CE	213	316	IAML		1913	14.24			2	0.1				

October 17 2023 Hour: 5:10 3.2 Lat: 27.70N Lon: 56.14E Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.0 secs

SOUTHERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6019	298	EP		519	28.24	-.040							1.0
MESJ	BZ	6019	298	IAMB		519	30.33			141	1.7				
GRNL	BZ	6045	299	EP		519	29.980	.040							1.0
GRNL	BZ	6045	299	IAMB		519	31.00			125	1.2				

October 17 2023 Hour: 16:26 49.8 Lat: 27.73N Lon: 56.12E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.1 secs

SOUTHERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	6041	299	EP		1636	16.19	-.110							1.0
GRNL	BZ	6041	299	IAMB		1636	17.28			35	0.8				
MORF	BZ	6063	298	EP		1636	17.940	.110							1.0
MORF	BZ	6063	298	IAMB		1636	18.95			38	1.1				

October 17 2023 Hour: 18:29 30.4 Lat: 36.04N Lon: 10.78W Depth: 33F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	236	53	EP		1830	2.64	0.090							1.0
MORF	HN	236	53	ES		1830	25.94	-.050							1.0
MORF	HN	236	53	IAML		1830	27.68			16	0.1				
GRNL	CZ	302	40	EP		1830	10.51	-.190							1.0
GRNL	CE	302	40	ES		1830	40.04	-.060							0.0
GRNL	CN	302	40	ES		1830	40.18	0.080							1.0
GRNL	CN	302	40	IAML		1830	40.85			13	0.2				
MESJ	HZ	303	48	EP		1830	10.76	-.050							1.0
MESJ	HE	303	48	ES		1830	40.40	0.110							1.0
MESJ	HN	303	48	IAML		1830	41.56			7	0.3				

October 18 2023 Hour: 8:48 13.6 Lat: 37.36N Lon: 8.49W Depth: 11F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	245	EP		848	16.71	-.020							1.0
MORF	HE	16	245	ES		848	19.03	0.020							1.0
MORF	HE	16	245	IAML		848	19.23			13	0.2				

October 18 2023 Hour: 14:22 56.3 Lat: 36.36N Lon: 7.86W Depth: 31F Agency: IGL Regional
Magnitudes: 0.1ML 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	127	326	EP		1423	13.98	-.120							1.0
GRNL	CZ	204	342	EP		1423	23.81	0.130							1.0

October 18 2023 Hour: 16:57 46.2 Lat: 36.76N Lon: 9.71W Depth: 18F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	57	EP		1658	3.82	0.020							1.0
MORF	HN	112	57	ES		1658	16.82	0.160							1.0
MORF	HN	112	57	IAML		1658	17.65			23	0.2				
MESJ	HZ	178	47	EP		1658	12.01	-.020							1.0
MESJ	HN	178	47	ES		1658	30.85	-.070							1.0
MESJ	HN	178	47	IAML		1658	32.03			2	0.1				
GRNL	CZ	181	34	EP		1658	12.20	-.100							1.0
GRNL	CE	181	34	ES		1658	31.38	-.000							1.0
GRNL	CN	181	34	IAML		1658	32.87			5	0.1				

October 18 2023 Hour: 18:37 22.0 Lat: 31.19N Lon: 8.20W Depth: 4F Agency: IGL Regional
Magnitudes: 3.4ML 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	680	357	EP		1838	52.34	-.130							1.0
MORF	HE	680	357	ES		1839	58.32	-.170							1.0
MORF	HN	680	357	IAML		1840	4.95			56	0.2				
MESJ	HZ	738	360	EP		1838	59.83	0.120							1.0
GRNL	CZ	769	358	EP		1839	3.36	-.030							0.9
GRNL	CN	769	358	ES		1840	17.63	0.240							0.9
GRNL	CN	769	358	IAML		1840	20.90			22	0.4				

October 19 2023 Hour: 2: 6 45.7 Lat: 37.83N Lon: 8.56W Depth: 4F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

SE SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	31	358	EP		2 6	50.87	0.030							1.0
GRNL	CN	31	358	ES		2 6	54.53	-.030							1.0
GRNL	CN	31	358	IAML		2 6	54.64			10	0.1				

October 20 2023 Hour: 3:9 12.2 Lat: 36.35N Lon: 7.72W Depth: 35F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	171	345	EP		3 9	36.350	.160							1.0
GRNL	CZ	209	339	EP		3 9	40.84	-.070							1.0
GRNL	CN	209	339	ES		310	1.80	-.090							1.0
GRNL	CN	209	339	IAML		310	2.12			2	0.1				

October 20 2023 Hour: 14:20 36.7 Lat: 37.11N Lon: 8.82W Depth: 18F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

NE VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	27	34	EP		1420	41.81	-.070							1.0
MORF	HN	27	34	ES		1420	45.59	-.040							1.0
MORF	HE	27	34	IAML		1420	46.17			350	0.1				
MESJ	HZ	97	33	EP		1420	52.04	-.170							1.0
MESJ	HN	97	33	ES		1421	3.530	.040							1.0
MESJ	HN	97	33	IAML		1421	5.21			34	0.2				
GRNL	CZ	113	11	EP		1420	54.660	.110							1.0
GRNL	CN	113	11	ES		1421	7.680	.140							1.0
GRNL	CN	113	11	IAML		1421	8.87			49	0.2				

October 21 2023 Hour: 4:26 4.0 Lat: 31.30N Lon: 8.22W Depth: 4F 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	668	357	EP		427	32.930	.000							1.0

October 21 2023 Hour: 5:37 49.0 Lat: 36.22N Lon: 7.89W Depth: 30F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	138	331	EP		538	8.99	-.040							1.0
GRNL	CZ	218	344	EP		538	19.010	.100							1.0
GRNL	CN	218	344	ES		538	40.66	-.060							1.0
GRNL	CN	218	344	IAML		538	41.42			5	0.1				

October 21 2023 Hour: 11:13 52.7 Lat: 30.92N Lon: 8.34W Depth: 15F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	709	358	EP		1115	25.59	-.090							1.0
MESJ	HZ	768	1	EP		1115	32.860	.070							1.0
GRNL	CZ	798	359	EP		1115	36.340	.020							0.9

October 21 2023 Hour: 11:21 57.3 Lat: 37.32N Lon: 8.56W Depth: 11F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	260	EP		1121	59.45	-.170							1.0
MORF	HE	8	260	ES		1122	1.410	.120							1.0
MORF	HE	8	260	IAML		1122	1.66			37	0.2				
GRNL	CN	88	360	ES		1122	21.680	.060							1.0
GRNL	CN	88	360	IAML		1122	22.91			4	0.1				

October 21 2023 Hour: 15:22 17.8 Lat: 36.77N Lon: 8.28W Depth: 10F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	68	331	EP		1522	28.930	.040							1.0
MORF	HN	68	331	ES		1522	36.97	-.040							1.0
MORF	HN	68	331	IAML		1522	38.62			3	0.1				

October 21 2023 Hour: 23: 8 8.8 Lat: 38.33N Lon: 8.07W Depth: 0 Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.2 secs

W VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	50	241	EP		23	8	17.100	.170						1.0
GRNL	CN	50	241	ES		23	8	22.920	.080						1.0
GRNL	CN	50	241	IAML		23	8	23.23		7	0.1				
MESJ	HZ	56	194	EP		23	8	17.890	.030						1.0
MESJ	HE	56	194	ES		23	8	24.17	-.280						1.0
MESJ	HN	56	194	IAML		23	8	24.74		7	0.2				

October 22 2023 Hour: 1:54 20.6 Lat: 27.87N Lon: 84.72E Depth: 25F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

NEPAL-INDIA BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8414	305	EP		2	6	3.840	.090						1.0
MESJ	BZ	8414	305	IAMB		2	6	5.04		28	1.0				
GRNL	BZ	8429	306	EP		2	6	4.46	-.090						1.0
GRNL	BZ	8429	306	IAMB		2	6	5.88		16	1.0				

October 22 2023 Hour: 2:11 49.4 Lat: 37.28N Lon: 8.58W Depth: 8F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	293	EP		211	50.86	-.260							1.0
MORF	HN	7	293	ES		211	52.440	.030							1.0
MORF	HN	7	293	IAML		211	52.83			58	0.1				
MESJ	HZ	70	27	EP		212	0.780	.080							1.0
MESJ	HN	70	27	ES		212	9.070	.090							1.0
GRNL	CZ	92	1	EP		212	4.360	.180							1.0
GRNL	CN	92	1	ES		212	14.88	-.120							1.0
GRNL	CE	92	1	IAML		212	16.68			3	0.1				

October 22 2023 Hour: 7:58 53.9 Lat: 36.61N Lon: 9.79W Depth: 9F 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
MESJ	HZ	195	45	EP		759	22.62	-.100							1.0
MESJ	HN	195	45	ES		759	43.940	.200							1.0
MESJ	HN	195	45	IAML		759	45.42			3	0.1				
GRNL	CN	199	33	ES		759	44.34	-.100							1.0
GRNL	CE	199	33	IAML		759	47.31			3	0.2				

October 22 2023 Hour: 17:22 21.5 Lat: 35.43N Lon: 9.68W Depth: 32F 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	228	23	EP		1722	52.42	-.100							1.0
MORF	HN	228	23	ES		1723	15.11	-.080							1.0
MORF	HN	228	23	IAML		1723	16.02			5	0.1				
GRNL	CZ	313	18	EP		1723	3.190	.040							1.0
GRNL	CN	313	18	ES		1723	33.730	.160							1.0
GRNL	CN	313	18	IAML		1723	35.35			5	0.1				

October 22 2023 Hour: 19:31 42.8 Lat: 23.69S Lon: 179.36E Depth:532FAgency: IGL Distant
Magnitudes: 0.0 IGL 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
GRNL	BZ	18259	23	EPKP		1950	44.46	-.010							1.0

October 23 2023 Hour: 0:26 35.8 Lat: 36.84N Lon: 9.86W Depth: 6F Agency: IGL Regional
Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	119	64	EP		026	54.980	.150							1.0
GRNL	CZ	181	39	EP		027	2.95	-.160							1.0

October 23 2023 Hour: 10:10 15.3 Lat: 29.95S Lon: 177.52W Depth: 23F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

KERMADEC ISLANDS, NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18577	45	EP	KP \bar{d} f		1030	18.24	-.290							0.8
GGNV	BZ18577	45	IAMs	\bar{d}	20	1142	28.61			5022	27.0				
GRNL	BZ18658	45	EP	KP \bar{d} f		1030	19.140	.050							1.0
GRNL	BZ18658	45	EPP			1035	14.74	-.010							1.0
GRNL	BN18658	45	ESS			1056	2.860	.200							0.9
GRNL	BZ18658	45	IAMs	\bar{d}	20	1154	34.94			3074	14.0				
MESJ	BZ18701	46	EP	KP \bar{d} f		1030	19.37	-.010							1.0
MESJ	BZ18701	46	EPP			1035	16.720	.010							1.0
MESJ	BE18701	46	ESS			1056	6.50	-.020							1.0
MESJ	BZ18701	46	IAMs	\bar{d}	20	1142	20.81			3569	24.7				
MORF	BZ18706	49	EP	KP \bar{d} f		1030	19.45	-.010							1.0
MORF	BZ18706	49	EPP			1035	17.010	.020							1.0
MORF	BZ18706	49	IAMs	\bar{d}	20	1148	39.91			4643	26.0				

October 23 2023 Hour: 18:40 47.3 Lat: 37.32N Lon: 8.63W Depth: 10F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	223	EP		1840	48.94	-.140							1.0
MORF	HN	3	223	ES		1840	50.510	.140							1.0
MORF	HN	3	223	IAML		1840	50.88			89	0.1				

October 23 2023 Hour: 23: 5 25.9 Lat: 24.06N Lon: 122.65E Depth: 35F Agency: IGL Distant
Magnitudes: 6.4Ms 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	BZ11466	322	EP	dif		2319	20.56	-.100							1.0
MESJ	BZ11466	322	EPP			2323	35.630	.120							1.0
MESJ	BZ11466	322	IAMs	\bar{d}	20	2413	9.36			7944	19.0				
GRNL	BZ11467	322	EPP			2323	35.590	.050							1.0
GRNL	BZ11467	322	IAMs	\bar{d}	20	2413	3.61			8369	13.6				
MORF	BZ11535	322	EPP			2323	40.12	-.070							1.0
MORF	BZ11535	322	IAMs	\bar{d}	20	2413	37.72			10146	18.1				

October 26 2023 Hour: 13:38 52.0 Lat: 37.36N Lon: 8.41W Depth: 3F Agency: IGL Regional
Magnitudes: 1.2ML 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	22	253	EP		1338	55.52	-.070							1.0
MORF	HE	22	253	ES		1338	58.370	.150							1.0
MORF	HN	22	253	IAML		1338	59.31			51	0.2				
GRNL	CN	84	351	ES		1339	15.39	-.080							1.0
GRNL	CE	84	351	IAML		1339	16.38			8	0.2				

October 26 2023 Hour: 16: 5 15.2 Lat: 56.08N Lon: 164.80E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

KOMANDORSKIYE OSTROVA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9552	355	EP		1617	55.290	.100							1.0
GRNL	BN	9552	355	IAMs	\bar{d}	17	2	34.26		3603	19.4				
MESJ	BZ	9580	354	EP		1617	56.34	-.100							1.0
MESJ	BZ	9580	354	IAMs	\bar{d}	1658	19.83			2969	19.3				

October 26 2023 Hour: 19:026.1 Lat: 7.30S Lon: 27.93E Depth: 15F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.1 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	6235	325	EP		1910	4.620	.190							1.0
MORF	BZ	6235	325	IAMs_20		1937	10.56			1092	20.1				
MESJ	BZ	6250	326	EP		1910	5.27	-.060							1.0
MESJ	BN	6250	326	IAMs_20		1938	37.78			1023	16.2				
GRNL	BZ	6293	326	EP		1910	8.260	.190							1.0
GRNL	BZ	6293	326	IAMs_20		1936	45.54			1489	13.0				

October 26 2023 Hour: 19:22 54.0 Lat: 31.14N Lon: 8.29W Depth: 15F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	774	358	EP		1924	34.59	-.130							1.0
GRNL	CN	774	358	ES		1925	48.370	.130							1.0
GRNL	CE	774	358	IAML		1925	51.31			6	0.5				

October 26 2023 Hour: 20:15 6.2 Lat: 31.07N Lon: 8.18W Depth: 18F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	693	357	EP		2016	36.54	-.240							1.0
MESJ	HZ	751	360	EP		2016	43.87	-.020							1.0
MESJ	HN	751	360	ES		2017	55.310	.080							1.0
MESJ	HE	751	360	IAML		2017	58.97			13	0.6				
GRNL	CZ	781	358	EP		2016	47.650	.170							0.9
GRNL	CE	781	358	ES		2018	1.480	.030							0.9
GRNL	CE	781	358	IAML		2018	5.08			25	0.3				

October 26 2023 Hour: 20:22 22.6 Lat: 31.16N Lon: 8.14W Depth: 15F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	684	356	EP		2023	52.21	-.140							1.0
MESJ	HZ	742	359	EP		2023	59.560	.040							1.0
GRNL	CZ	772	357	EP		2024	3.250	.110							0.9

October 26 2023 Hour: 21:43 10.7 Lat: 31.21N Lon: 8.14W Depth: 5F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	678	356	EP		2144	40.57	-.130							1.0
MESJ	HZ	735	359	EP		2144	47.930	.030							1.0
GRNL	CZ	766	357	EP		2144	51.740	.120							0.9

October 27 2023 Hour: 3:23 16.9 Lat: 31.10N Lon: 8.31W Depth: 5F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	689	358	EP		324	48.21	-.090							1.0
MESJ	HZ	747	1	EP		324	55.650	.040							1.0
GRNL	CE	778	358	ES		326	13.890	.050							0.9
GRNL	CN	778	358	IAML		326	18.04			5	0.6				

October 27 2023 Hour: 19:21 36.7 Lat: 38.57N Lon: 9.22W Depth: 3F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

SW SEIXAL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	77	132	EP		1921	49.09	-.030							1.0
GRNL	CE	77	132	ES		1921	58.180	.030							1.0
GRNL	CN	77	132	IAML		1921	59.44			5	0.1				

October 28 2023 Hour: 9:55 28.2 Lat: 13.11S Lon: 167.05E Depth:201F Agency: IGL Distant
Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ17230	352	EPKP			1015	5.99	-.100							1.0
MESJ	BZ17254	351	EPKP			1015	6.660	.100							1.0

October 29 2023 Hour: 1:33 9.5 Lat: 31.14N Lon: 8.27W Depth: 10F Agency: IGL Regional
Magnitudes: 3.3ML IGL
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	685	357	EP		134	39.76	-.110							1.0
MESJ	HZ	743	0	EP		134	47.250	.100							1.0
MESJ	HN	743	0	ES		135	58.42	-.010							1.0
MESJ	HN	743	0	IAML		136	1.33			22	0.2				
GRNL	CZ	773	358	EP		134	50.770	.050							0.9
GRNL	CN	773	358	ES		136	4.59	-.020							0.9
GRNL	CN	773	358	IAML		136	8.46			30	0.1				

October 29 2023 Hour: 20:30 35.8 Lat: 36.92N Lon: 3.48W 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	432	285	EP		2031	34.92	-.020							1.0
GRNL	CZ	469	288	EP		2031	39.420	.020							1.0

October 30 2023 Hour: 1:15 34.8 Lat: 38.01N Lon: 8.31W Depth: 2F Agency: IGL Regional
Magnitudes: 1.0ML IGL
Rms: 0.0 secs

SW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	21	158	EP		115	38.190	.030							1.0
MESJ	HE	21	158	ES		115	40.660	.020							1.0
MESJ	HE	21	158	IAML		115	40.84			36	0.1				
GRNL	CZ	25	295	EP		115	38.79	-.010							1.0
GRNL	CN	25	295	ES		115	41.70	-.050							1.0
GRNL	CN	25	295	IAML		115	42.27			29	0.1				

October 30 2023 Hour: 4:20 24.9 Lat: 31.03N Lon: 8.45W Depth: 30F Agency: IGL Regional
Magnitudes: 3.9ML IGL
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	696	358	EP		421	54.65	-.270							1.0
MORF	HN	696	358	ES		423	0.61	-.030							1.0
MORF	HN	696	358	IAML		423	6.10			192	0.3				
MESJ	HZ	755	2	EP		422	2.190	.140							1.0
MESJ	HE	755	2	ES		423	13.120	.150							1.0
MESJ	HN	755	2	IAML		423	18.22			65	0.3				
GRNL	CZ	785	359	EP		422	5.630	.100							0.9
GRNL	CN	785	359	ES		423	18.92	-.070							0.9
GRNL	CN	785	359	IAML		423	24.32			76	0.3				

October 30 2023 Hour: 11:11 5.0 Lat: 37.45N Lon: 9.68W Depth: 14F Agency: IGL Regional
Magnitudes: 2.5ML IGL
Rms: 0.1 secs

NW CABO S.VICENTE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	92	100	EP		1111	19.750	.080							1.0
MORF	HN	92	100	ES		1111	30.19	-.160							1.0
MORF	HN	92	100	IAML		1111	31.65			124	0.3				
GRNL	CZ	122	53	EP		1111	24.240	.070							1.0
MESJ	HZ	136	71	EP		1111	25.930	.010							1.0

October 30 2023 Hour: 15:57 20.1 Lat: 18.21N Lon: 76.61W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.1 secs

JAMAICA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	6834	55	EP		16 7	36.580	.030							1.0
GGNV	BZ	6834	55	IAMs_20		1630	17.59		3959	19.6					
MORF	BZ	6882	57	EP		16 7	39.660	.110							1.0
MORF	BZ	6882	57	IAMs_20		1632	2.06		2563	21.1					
GRNL	BZ	6886	56	EP		16 7	39.70	-.050							1.0
GRNL	BZ	6886	56	IAMs_20		1630	39.53		1696	15.6					
MESJ	BZ	6918	56	EP		16 7	41.59	-.090							1.0
MESJ	BZ	6918	56	IAMs_20		1629	13.40		1567	20.2					

October 31 2023 Hour: 7:32 18.8 Lat: 35.72N Lon: 8.80W Depth: 32F 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	176	4	EP		732	43.19	-.260							1.0
MORF	HE	176	4	ES		733	1.520	.090							1.0
MORF	HE	176	4	IAML		733	2.74		12	0.2					
MESJ	HZ	241	12	EP		732	51.510	.080							1.0
GRNL	CZ	266	4	EP		732	54.50	-.030							1.0
GRNL	CN	266	4	ES		733	20.750	.140							1.0
GRNL	CN	266	4	IAML		733	22.09		2	0.1					

October 31 2023 Hour: 11:10 56.3 Lat: 17.52S Lon: 179.01W Depth: 550F Agency: IGL Distant
Rms: 0.1 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	17483	21	EPKPdf		1129	48.650	.110							1.0
GGNV	BZ	17483	21	EPKPab		1130	23.23	-.070							1.0
GRNL	BZ	17566	20	EPKPdf		1129	49.620	.150							1.0
GRNL	BZ	17566	20	EPKPab		1130	26.34	-.220							1.0
MESJ	BZ	17606	20	EPKPdf		1129	50.060	.140							1.0
MESJ	BZ	17606	20	EPKPab		1130	27.99	-.150							1.0
MORF	BZ	17643	21	EPKPdf		1129	50.530	.150							1.0
MORF	BZ	17643	21	EPKPab		1130	29.57	-.110							1.0

October 31 2023 Hour: 12:33 44.1 Lat: 28.75S Lon: 71.57W Depth: 35F Agency: IGL Distant
Magnitudes: 6.9Ms IGL Rms: 0.1 secs

OFFSHORE ATACAMA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9819	45	EP		1246	31.80	-.070							1.0
MORF	BN	9819	45	ESKSac		1256	57.05	-.140							1.0
MORF	BZ	9819	45	IAMs_20		1323	19.99		50579	18.1					
GRNL	BZ	9881	45	EP		1246	34.510	.130							1.0
GRNL	BE	9881	45	ESKSac		1257	0.35	-.050							1.0
GRNL	BZ	9881	45	IAMs_20		1322	41.52		74501	27.7					
GGNV	BZ	9883	44	EP		1246	34.580	.120							1.0
GGNV	BN	9883	44	ESKSac		1257	0.590	.080							1.0
GGNV	BZ	9883	44	IAMs_20		1323	14.74		60343	20.7					
MESJ	BZ	9886	45	EP		1246	34.660	.030							1.0
MESJ	BN	9886	45	ESKSac		1257	0.61	-.110							1.0
MESJ	BZ	9886	45	IAMs_20		1323	25.51		50027	24.4					

October 31 2023 Hour: 14:41 49.9 Lat: 35.90N Lon: 9.89W Depth: 0 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	191	35	EP		1442	19.04	-.060							1.0
MORF	HE	191	35	ES		1442	40.470	.060							1.0
MORF	HE	191	35	IAML		1442	42.80		8	0.2					

October 31 2023 Hour: 18:59 47.3 Lat: 36.65N Lon: 11.06W Depth: 11F Agency: IGL Regional
Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	227	70	EP		19 0	19.86	0.050							1.0
GRNL	CZ	274	53	EP		19 0	25.62	-.050							1.0

October 31 2023 Hour: 23:29 24.3 Lat: 36.44N Lon: 5.53W Depth: 48F Agency: IGL Regional
Magnitudes: 1.5ML IGL
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HE	285	304	ES		2330	30.01	-.050							1.0
MESJ	HE	285	304	IAML		2330	32.38			2	0.2				
GRNL	CZ	327	305	EP		2330	7.55	0.150							1.0
GRNL	CN	327	305	ES		2330	38.76	-.090							1.0
GRNL	CN	327	305	IAML		2330	40.24			2	0.2				