

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

September to October

2022

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 2022 Hour: 6:2 16.9 Lat: 37.76N Lon: 8.33W Depth: 8F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	13	47	EP		6	2	19.560	.150						1.0
MESJ	HE	13	47	ES		6	2	21.23	-.010						1.0
MESJ	HN	13	47	IAML		6	2	21.33		36	0.1				
GRNL	CZ	44	332	EP		6	2	24.180	.040						1.0
GRNL	CN	44	332	ES		6	2	29.24	-.190						1.0
GRNL	CN	44	332	IAML		6	2	30.48		10	0.1				

September 1 2022 Hour: 7:2 13.3 Lat: 13.16N Lon: 57.69E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.1 secs

OWEN FRACTURE ZONE REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7019	306	EP		712	41.060	.090							1.0
MESJ	BZ	7019	306	IAMB		712	42.66			61	1.4				
GRNL	BZ	7052	306	EP		712	43.050	.140							1.0
GRNL	BZ	7052	306	IAMB		712	44.96			119	1.8				
MORF	BZ	7053	305	EP		712	42.96	-.100							1.0
MORF	BZ	7053	305	IAMB		712	45.58			41	1.1				
GGNV	BZ	7107	307	EP		712	46.04	-.130							1.0
GGNV	BZ	7107	307	IAMB		712	48.10			49	0.7				

September 1 2022 Hour: 16:23 44.8 Lat: 7.26S Lon: 128.94E Depth: 158F Agency: IGL Distant
Rms: 0.0 secs

KEPULAUAN BARAT DAYA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14553	315	EP	KP		1642	36.75	-.000							1.0

September 1 2022 Hour: 17:0 25.6 Lat: 36.75N Lon: 11.35W Depth: 31F 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	248	75	EP		17	0	58.18	-.200						1.0
MORF	HN	248	75	ES		17	1	22.460	.130						1.0
MORF	HN	248	75	IAML		17	1	23.49		51	0.3				
GRNL	CZ	289	58	EP		17	1	3.500	.070						1.0
GRNL	CN	289	58	ES		17	1	31.05	-.020						1.0
GRNL	CN	289	58	IAML		17	1	34.35		47	0.2				
MESJ	HZ	303	65	EP		17	1	5.02	-.160						1.0
MESJ	HN	303	65	ES		17	1	34.290	.190						1.0
MESJ	HN	303	65	IAML		17	1	39.39		13	0.1				

September 2 2022 Hour: 7:13 5.4 Lat: 13.94N Lon: 93.63E Depth: 49F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

ANDAMAN ISLANDS, INDIA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10091	309	EP			726	3.020	.030							1.0
MESJ	BZ10091	309	IAMB			726	4.35			11	0.8				
GRNL	BZ10111	310	EP			726	3.820	.010							1.0
GRNL	BZ10111	310	IAMB			726	5.10			8	0.7				
MORF	BZ10146	309	EP			726	5.30	-.040							1.0
MORF	BZ10146	309	IAMB			726	6.34			14	1.1				

September 2 2022 Hour: 12:28 30.4 Lat: 35.44N Lon: 3.62W 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	490	304	EP		1229	36.610	.030							1.0
GRNL	CZ	532	305	EP		1229	41.62	-.030							1.0

September 2 2022 Hour: 17: 0 12.7 Lat: 36.15N Lon: 68.85E Depth: 16F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

HINDU KUSH REGION, AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6656	297	EP		1710	17.640	.050							1.0
MESJ	BZ	6656	297	IAmb		1710	23.67			19	1.1				
GRNL	BZ	6671	297	EP		1710	18.50	-.050							1.0
GRNL	BZ	6671	297	IAmb		1710	22.46			70	1.5				

September 2 2022 Hour: 22:39 50.4 Lat: 5.67S Lon: 148.69E Depth:126F 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
GGNV	BZ15747	332	EPP			23 2	10.700	.080							1.0
GRNL	BZ15769	331	EPP			23 2	11.71	-.150							1.0
GRNL	BZ15769	331	IAMs_20			2349	35.23			6588	72.1				
MESJ	BZ15773	330	EPP			23 2	12.140	.040							1.0
MESJ	BZ15773	330	IAMs_20			2349	36.58			4379	60.3				
MORF	BZ15844	330	EPP			23 2	15.990	.020							1.0
MORF	BZ15844	330	IAMs_20			2357	2.18			1702	30.8				

September 3 2022 Hour: 0:49 35.2 Lat: 36.54N Lon: 7.62W Depth: 18F 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	125	313	EP		049	54.41	-.050							1.0
MORF	HN	125	313	ES		050	8.35	-.190							1.0
MORF	HN	125	313	IAML		050	9.81			13	0.1				
MESJ	HZ	154	340	EP		049	58.120	.130							1.0
GRNL	CZ	193	335	EP		050	3.030	.130							1.0

September 3 2022 Hour: 4:13 10.2 Lat: 34.81N Lon: 26.34E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

CRETE, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3104	286	EP		419	0.48	-.020							1.0
MESJ	BZ	3104	286	IAmb		419	8.50			39	1.1				
GRNL	BZ	3133	287	EP		419	2.790	.020							1.0
GRNL	BZ	3133	287	IAmb		419	5.19			177	2.1				
GRNL	BN	3133	287	ES		423	49.400	.150							1.0
MORF	BZ	3147	285	EP		419	3.95	-.080							1.0
MORF	BZ	3147	285	IAmb		419	8.01			59	1.9				
GGNV	BZ	3179	288	EP		419	6.39	-.060							1.0
GGNV	BZ	3179	288	IAmb		419	9.69			59	1.1				

September 3 2022 Hour: 6:53 35.2 Lat: 8.99N Lon: 83.83W Depth: 15F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

COSTA RICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8107	54	EP		7 5	3.770	.170							1.0
MORF	BZ	8107	54	IAmb		7 5	4.80			17	1.0				
GRNL	BZ	8117	53	EP		7 5	4.03	-.050							1.0
GRNL	BZ	8117	53	IAmb		7 5	5.61			34	1.9				
MESJ	BZ	8147	53	EP		7 5	5.56	-.120							1.0
MESJ	BZ	8147	53	IAmb		7 5	5.90			20	1.6				

September 3 2022 Hour: 7:59 1.3 Lat: 36.43N Lon: 9.70W Depth: 24F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	134	44	EP		759	21.300	.070							1.0
MORF	HN	134	44	ES		759	35.850	.050							1.0
MORF	HN	134	44	IAML		759	36.93			45	0.2				

MESJ HZ	204	40	EP	759	29.82	-.040											1.0
MESJ HE	204	40	ES	759	50.85	0.140											1.0
MESJ HN	204	40	IAML	759	52.20				10	0.2							
GRNL CZ	211	28	EP	759	30.52	-.220											1.0
GRNL CN	211	28	ES	759	52.22	-.020											1.0
GRNL CN	211	28	IAML	759	53.18				15	0.0							

September 3 2022 Hour: 11:35 45.3 Lat: 15.36S Lon: 167.48E Depth:118F 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	BZ17481	352	EP	KPdf		1155	26.07	-.100							1.0
GRNL	BZ17481	352	EP	KPab		1155	58.03	0.150							1.0
MESJ	BZ17505	351	EP	KPdf		1155	26.25	-.200							1.0
MESJ	BZ17505	351	EP	KPab		1155	58.97	0.140							1.0
MORF	BZ17571	352	EP	KPdf		1155	27.25	0.010							1.0

September 3 2022 Hour: 15:38 26.6 Lat: 36.53N Lon: 11.20W Depth: 18F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	242	69	ES		1539	25.10	-.020							1.0
MORF	HN	242	69	IAML		1539	25.84			9	0.2				
GRNL	CZ	291	52	EP		1539	6.30	-.150							1.0
GRNL	CN	291	52	ES		1539	35.69	0.120							1.0
GRNL	CE	291	52	IAML		1539	38.50			9	0.2				
MESJ	HZ	302	60	EP		1539	7.54	-.190							1.0
MESJ	HE	302	60	ES		1539	38.01	0.230							1.0
MESJ	HN	302	60	IAML		1539	40.15			5	0.2				

September 3 2022 Hour: 15:48 8.5 Lat: 35.52N Lon: 3.63W Depth: 8F 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	484	303	EP		1549	12.99	-.110							1.0
GRNL	CZ	526	305	EP		1549	18.25	0.110							1.0

September 3 2022 Hour: 16:42 17.8 Lat: 39.08N Lon: 10.17W Depth: 26F Agency: IGL Regional
Magnitudes: 1.1ML 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	176	127	EP		1642	42.70	-.070							1.0
GRNL	CN	176	127	ES		1643	1.07	0.070							1.0
GRNL	CN	176	127	IAML		1643	1.92			2	0.1				

September 3 2022 Hour: 17:24 33.5 Lat: 36.96N Lon: 13.61W Depth: 27F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	442	84	EP		1725	28.57	0.010							1.0
GRNL	CZ	463	73	EP		1725	30.99	-.120							1.0
GRNL	CN	463	73	ES		1726	13.23	0.060							1.0
GRNL	CN	463	73	IAML		1726	15.15			4	0.1				
MESJ	HZ	487	77	EP		1725	34.06	0.040							1.0

September 4 2022 Hour: 9:42 17.2 Lat: 0.95S Lon: 21.72W Depth: 10F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.2 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	4446	16	EP		949	51.71	-.210							1.0
MORF	BZ	4446	16	IAMs_20		10 9	32.96			48232	18.3				
MESJ	BZ	4515	17	EP		949	56.89	-.130							1.0
MESJ	BN	4515	17	ES		956	7.45	-.000							1.0
MESJ	BZ	4515	17	IAMs_20		1010	32.39			39200	14.0				

GRNL	BZ	4532	16	EP		949	58.420	.140									1.0
GRNL	BN	4532	16	ES		956	9.66-	.060									1.0
GRNL	BN	4532	16	IAMs_20	1010	33.42			28607	15.4							
GGNV	BZ	4579	15	EP		950	1.970	.280									1.0
GGNV	BZ	4579	15	IAMs_20	1010	54.84			45022	19.2							

September 4 2022 Hour: 19:46 33.1 Lat: 36.16N Lon: 10.03W Depth: 31F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	177	44	EP		1946	57.16-	.000							1.0
MORF	HE	177	44	ES		1947	14.760	.060							1.0
MORF	HE	177	44	IAML		1947	17.89		118	0.1					
MESJ	HZ	246	40	EP		1947	5.64-	.130							1.0
MESJ	HE	246	40	ES		1947	29.680	.090							1.0
MESJ	HN	246	40	IAML		1947	30.99		18	0.1					
GRNL	CZ	252	31	EP		1947	6.29-	.190							1.0
GRNL	CN	252	31	ES		1947	31.010	.180							1.0
GRNL	CN	252	31	IAML		1947	33.76		97	0.2					

September 4 2022 Hour: 20:15 6.6 Lat: 21.22S Lon: 168.56E Depth: 10F Agency: IGL Distant
Rms: 0.2 secs

LOYALTY ISLANDS Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ18136	352	EP	KPdf		2035	8.45-	.050							1.0
MESJ	BZ18160	351	EP	KPdf		2035	8.850	.130							1.0
MESJ	BZ18160	351	EP	KPab		2035	59.38-	.030							1.0
MORF	BZ18225	352	EP	KPdf		2035	9.540	.200							0.9
MORF	BZ18225	352	EP	KPab		2036	1.78-	.270							0.9

September 4 2022 Hour: 21:20 33.5 Lat: 35.47N Lon: 3.61W Depth: 21F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	489	304	EP		2121	37.440	.060							1.0
MORF	HZ	496	296	EP		2121	38.23-	.050							1.0
GRNL	CZ	530	305	EP		2121	42.42-	.010							1.0

September 4 2022 Hour: 21:57 36.1 Lat: 34.66N Lon: 70.70E Depth: 10F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.1 secs

HINDU KUSH REGION, AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6882	298	EP		22 7	55.920	.130							1.0
MESJ	BZ	6882	298	IAMB		22 7	58.86		85	1.2					
GRNL	BZ	6898	299	EP		22 7	56.790	.030							1.0
GRNL	BZ	6898	299	IAMB		22 8	0.43		398	1.9					
GGNV	BZ	6917	299	EP		22 7	57.86-	.050							1.0
GGNV	BZ	6917	299	IAMB		22 8	0.74		395	1.6					
MORF	BZ	6941	298	EP		22 7	59.31-	.100							1.0
MORF	BZ	6941	298	IAMB		22 8	2.82		143	1.6					

September 4 2022 Hour: 23:57 32.4 Lat: 56.02S Lon: 124.52W Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 secs

SOUTHERN EAST PACIFIC RISE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ14951	85	EPP			2419	24.06-	.020							1.0
GRNL	BN14951	85	ESS			2437	17.280	.020							1.0
GRNL	BE14951	85	IAMs_20			2454	43.89		3790	42.1					

September 5 2022 Hour: 4:52 19.7 Lat: 29.73N Lon: 102.28E Depth: 10F Agency: IGL Distant
Magnitudes: 7.0Ms IGL Rms: 0.1 secs

WESTERN SICHUAN, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9627	312	EP		5 5	3.06	-.190							1.0
MESJ	BZ	9627	312	EPP		5 8	24.660	.190							1.0
MESJ	BN	9627	312	ESKSac		515	29.070	.130							1.0
MESJ	BE	9627	312	ESS		521	21.770	.110							1.0
MESJ	BN	9627	312	IAMs_20		539	49.18		46793	24.9					
GRNL	BZ	9634	312	EP		5 5	3.40	-.180							1.0
GRNL	BZ	9634	312	EPP		5 8	25.140	.120							1.0
GRNL	BE	9634	312	ESKSac		515	29.410	.050							1.0
GRNL	BE	9634	312	ESS		521	22.59	-.070							1.0
GRNL	BN	9634	312	IAMs_20		539	48.39		97454	28.6					
GGNV	BZ	9636	313	EP		5 5	3.49	-.140							1.0
GGNV	BN	9636	313	IAMs_20		539	39.12		136000	28.9					
MORF	BZ	9692	312	EP		5 5	6.02	-.170							1.0
MORF	BZ	9692	312	EPP		5 8	29.360	.080							1.0
MORF	BE	9692	312	ESKSac		515	32.750	.050							1.0
MORF	BZ	9692	312	IAMs_20		544	36.87		46118	17.6					

September 5 2022 Hour: 6:22 43.0 Lat: 36.27N Lon: 11.59W Depth: 26F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	286	66	EP		623	21.62	-.040							1.0
MORF	HN	286	66	ES		623	49.910	.020							1.0
MORF	HN	286	66	IAML		623	50.97		8	0.2					
GRNL	CZ	337	52	EP		623	27.86	-.050							1.0
MESJ	HZ	347	59	EP		623	29.200	.070							1.0

September 5 2022 Hour: 9:14 51.3 Lat: 27.63N Lon: 56.06E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb 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	6042	299	EP		924	17.93	0.12							1.0
GRNL	BZ	6042	299	IAMB		924	29.87		23	0.9					
MORF	BZ	6064	298	EP		924	19.20	-0.12							1.0
MORF	BZ	6064	298	IAMB		924	32.65		29	1.4					

September 5 2022 Hour: 9:22 20.1 Lat: 23.52S Lon: 179.75W Depth: 508F Agency: IGL Distant
Rms: 0.0 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	18245	25	EPKP		941	24.11	-.000							1.0

September 5 2022 Hour: 11:19 36.7 Lat: 31.83S Lon: 179.18W Depth: 113F Agency: IGL Distant
Rms: 0.0 secs

KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	18915	48	EPKPdf		1139	30.52	0.04							1.0
MESJ	BZ	18958	49	EPKPdf		1139	30.68	-0.04							1.0

September 5 2022 Hour: 11:58 57.2 Lat: 36.79N Lon: 7.41W Depth: 24F 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	137	329	EP		1159	17.440	.000							1.0

September 5 2022 Hour: 13:3 39.1 Lat: 37.14N Lon: 8.85W Depth: 9F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	25	44	EP		13 3	43.35	-.060							1.0
MORF	HN	25	44	ES		13 3	46.600	.070							1.0
MORF	HN	25	44	IAML		13 3	47.50		8	0.2					
GRNL	CN	110	13	ES		13 4	9.35	-.010							1.0
GRNL	CN	110	13	IAML		13 4	10.00		1	0.1					

September 5 2022 Hour: 13:49 27.6 Lat: 52.06N Lon: 30.13W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	2282	124	EP		1354	6.02	-.010							1.0
GRNL	BZ	2282	124	IAMB		1354	11.06		42	0.9					
GRNL	BN	2282	124	ES		1357	56.55	-.140							1.0
MESJ	BZ	2324	124	EP		1354	10.02	-.170							1.0
MESJ	BZ	2324	124	IAMB		1354	15.72		92	1.1					
MESJ	BE	2324	124	ES		1358	4.500	.180							1.0
MORF	BZ	2346	126	EP		1354	12.460	.140							1.0
MORF	BZ	2346	126	IAMB		1354	15.35		157	1.3					

September 5 2022 Hour: 18:56 44.6 Lat: 38.69N Lon: 9.41W Depth: 14F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

E CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	98	131	EP		1857	0.00	-.120							1.0
GRNL	CE	98	131	ES		1857	11.560	.120							1.0
GRNL	CE	98	131	IAML		1857	13.22		2	0.1					

September 5 2022 Hour: 20:6 21.3 Lat: 38.59N Lon: 7.73W Depth: 12F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

E EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	91	234	EP		20 6	35.810	.020							1.0
GRNL	CE	91	234	ES		20 6	46.350	.020							1.0
GRNL	CE	91	234	IAML		20 6	47.02		2	0.2					
MESJ	HZ	94	208	EP		20 6	36.250	.030							1.0
MESJ	HN	94	208	ES		20 6	47.01	-.070							1.0
MESJ	HN	94	208	IAML		20 6	47.64		0.50	0.1					

September 6 2022 Hour: 5:15 2.5 Lat: 36.57N Lon: 9.85W Depth: 31F Agency: IGL Regional
Magnitudes: 3.4ML 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	135	52	EP		515	21.26	-.010							1.0
MORF	HN	135	52	ES		515	35.160	.180							1.0
MORF	HE	135	52	IAML		515	36.51		653	0.1					
MESJ	HZ	202	45	EP		515	29.52	-.130							1.0
MESJ	HN	202	45	ES		515	49.550	.070							1.0
MESJ	HN	202	45	IAML		515	52.84		141	0.3					
GRNL	CZ	205	33	EP		515	29.79	-.230							1.0
GRNL	CN	205	33	ES		515	50.220	.110							1.0
GRNL	CN	205	33	IAML		515	53.64		493	0.1					

September 6 2022 Hour: 21:16 17.5 Lat: 36.96N Lon: 13.08W Depth: 26F 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	395	83	EP		2117	6.840	.010							1.0
MORF	HN	395	83	ES		2117	43.040	.180							1.0
MORF	HN	395	83	IAML		2117	45.19		8	0.1					

GRNL CZ	419	71	EP	2117	9.59	-.050											1.0
MESJ HZ	441	76	EP	2117	12.28	-.150											1.0

September 6 2022 Hour: 21:47 51.0 Lat: 37.14N Lon: 8.55W Depth: 5F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NE PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		20	332	EP		2147	54.530	.130							1.0
MORF HN		20	332	ES		2147	56.75	-.130							1.0
MORF HN		20	332	IAML		2147	57.18			7	0.1				

September 6 2022 Hour: 23:20 15.9 Lat: 37.24N Lon: 8.58W Depth: 20F Agency: IGL Regional
Magnitudes: 0.9ML 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		9	318	EP		2320	19.30	-.180							1.0
MORF HE		9	318	ES		2320	22.100	.030							1.0
MORF HN		9	318	IAML		2320	22.77			46	0.1				
MESJ HN		74	26	ES		2320	36.620	.020							1.0
MESJ HN		74	26	IAML		2320	38.12			2	0.2				
GRNL CN		96	1	ES		2320	42.490	.140							1.0
GRNL CN		96	1	IAML		2320	43.75			4	0.1				

September 7 2022 Hour: 20:49 53.5 Lat: 37.97N Lon: 9.05W Depth: 17F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

W SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL CZ		45	70	EP		2050	1.130	.080							1.0
GRNL CN		45	70	ES		2050	6.700	.120							1.0
GRNL CN		45	70	IAML		2050	8.38			37	0.1				
MESJ HZ		74	101	EP		2050	5.37	-.100							1.0
MESJ HN		74	101	ES		2050	14.320	.100							1.0
MESJ HN		74	101	IAML		2050	15.54			42	0.2				
MORF HZ		82	155	EP		2050	6.44	-.190							1.0
MORF HE		82	155	ES		2050	16.21	-.020							1.0
MORF HN		82	155	IAML		2050	17.12			40	0.2				

September 7 2022 Hour: 21:26 35.5 Lat: 36.69N Lon: 5.50W Depth: 4F 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		273	299	EP		2127	14.51	-.020							1.0
GRNL CZ		314	301	EP		2127	19.650	.020							1.0

September 7 2022 Hour: 22:21 32.1 Lat: 36.78N Lon: 10.54W Depth: 33F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		177	70	EP		2221	56.82	-.060							1.0
MORF HN		177	70	ES		2222	14.990	.000							1.0
MORF HN		177	70	IAML		2222	16.12			3	0.1				
MESJ HN		237	60	ES		2222	27.710	.060							1.0
MESJ HE		237	60	IAML		2222	29.66			0.60	0.1				

September 8 2022 Hour: 1:43 8.8 Lat: 41.78N Lon: 5.84W Depth: 22F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL CZ		469	211	EP		144	10.12	-.140							1.0
MESJ HZ		482	206	EP		144	11.940	.100							1.0
MORF HZ		552	207	EP		144	20.390	.040							1.0

September 8 2022 Hour: 7:10 55.3 Lat: 36.54N Lon: 4.46W Depth: 98F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	363	294	EP		711	42.67	-.130							1.0
MESJ	HN	363	294	ES		712	17.670	.170							1.0
MESJ	HN	363	294	IAML		712	20.24			6	0.2				
MORF	HZ	383	284	EP		711	45.03	-.070							1.0
GRNL	CZ	403	297	EP		711	47.490	.020							1.0

September 8 2022 Hour: 7:36 23.2 Lat: 37.97N Lon: 20.06E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

IONIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2478	278	EP		741	20.45	-.130							1.0
MESJ	BZ	2478	278	IAMB		741	26.48			115	1.3				
GRNL	BZ	2503	279	EP		741	23.220	.190							1.0
GRNL	BZ	2503	279	IAMB		741	30.47			165	1.4				
MORF	BZ	2525	277	EP		741	25.14	-.060							1.0
MORF	BZ	2525	277	IAMB		741	34.09			279	2.4				

September 8 2022 Hour: 18:0 24.4 Lat: 37.15N Lon: 8.38W Depth: 19F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

SE SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	29	305	EP		18 0	29.66	-.290							1.0
MORF	HN	29	305	ES		18 0	34.080	.070							1.0
MORF	HN	29	305	IAML		18 0	35.31			292	0.2				
MESJ	HZ	77	11	EP		18 0	36.950	.070							1.0
MESJ	HE	77	11	ES		18 0	46.120	.120							1.0
MESJ	HN	77	11	IAML		18 0	47.77			152	0.1				
GRNL	CZ	107	351	EPg		18 0	41.34	-.020							1.0
GRNL	CE	107	351	ES		18 0	53.680	.060							1.0
GRNL	CN	107	351	IAML		18 0	54.66			134	0.1				

September 8 2022 Hour: 21:59 42.4 Lat: 16.14S Lon: 73.41W Depth: 49F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

NEAR COAST OF SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8991	47	EP		2211	51.210	.150							1.0
MORF	BZ	8991	47	IAMB		2211	52.87			16	0.7				
GRNL	BZ	9040	46	EP		2211	53.340	.020							1.0
GRNL	BZ	9040	46	IAMB		2211	55.24			24	0.8				
GRNL	BE	9040	46	ES		2222	0.420	.000							1.0
MESJ	BZ	9053	47	EP		2211	53.77	-.180							1.0
MESJ	BZ	9053	47	IAMB		2211	55.08			16	0.8				

September 9 2022 Hour: 9:1 53.6 Lat: 54.84N Lon: 142.44E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

SAKHALIN, RUSSIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9365	337	EP		914	25.24	-.040							1.0
MESJ	BZ	9365	337	IAMB		914	26.76			12	1.1				
MORF	BZ	9433	337	EP		914	28.460	.040							1.0
MORF	BZ	9433	337	IAMB		914	29.50			12	0.8				

September 9 2022 Hour: 23:31 47.8 Lat: 2.25S Lon: 138.20E Depth: 18F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

PAPUA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ14810	325	EPP			2353	28.100	.060							1.0
MESJ	BZ14814	323	EPKpdf			2351	1.81	-.020							1.0
MESJ	BZ14814	323	EPP			2353	28.330	.030							1.0

September 10 2022 Hour: 23:46 54.5 Lat: 6.26S Lon: 146.47E Depth: 90F Agency: IGL Distant
Magnitudes: 7.5Ms IGL Rms: 0.1 secs

EASTERN NEW GUINEA REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ15682	329		EPKPdf		24 6	13.19	-.210							1.0
GGNV	BZ15682	329		IAMs_20		25 2	28.58			86290	23.5				
GRNL	BZ15700	328		EPKPdf		24 6	13.790	.100							1.0
GRNL	BZ15700	328		EPP		24 9	16.370	.140							1.0
GRNL	BZ15700	328		IAMs_20		2459	11.75			84165	17.4				
MESJ	BZ15701	327		EPKPdf		24 6	13.70	-.030							1.0
MESJ	BZ15701	327		EPP		24 9	16.410	.090							1.0
MESJ	BZ15701	327		IAMs_20		2459	18.27			110000	34.8				
MORF	BZ15771	327		EPKPdf		24 6	14.81	-.090							1.0
MORF	BZ15771	327		EPP		24 9	20.17	-.010							1.0
MORF	BZ15771	327		IAMs_20		2457	46.97			153000	39.1				

September 11 2022 Hour: 3:25 51.7 Lat: 37.03N Lon: 8.50W Depth: 24F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	34	337	EP		325	58.300	.110							1.0
MORF	HN	34	337	ES		326	2.970	.050							1.0
MORF	HN	34	337	IAML		326	3.50			106	0.2				
MESJ	HZ	94	15	EP		326	6.43	-.050							1.0
GRNL	CZ	120	357	EP		326	9.64	-.200							1.0
GRNL	CN	120	357	ES		326	23.170	.080							1.0
GRNL	CN	120	357	IAML		326	25.62			13	0.1				

September 11 2022 Hour: 3:48 58.4 Lat: 36.49N Lon: 7.64W Depth: 22F 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	128	315	EP		349	17.56	-.220							1.0
MORF	HN	128	315	ES		349	31.80	-.110							1.0
MORF	HN	128	315	IAML		349	33.03			9	0.2				
MESJ	HZ	159	341	EP		349	21.730	.170							1.0
GRNL	CZ	198	336	EP		349	26.530	.110							1.0
GRNL	CN	198	336	ES		349	46.920	.070							1.0
GRNL	CN	198	336	IAML		349	47.75			7	0.1				

September 11 2022 Hour: 9: 6 51.2 Lat: 20.98S Lon: 178.94W Depth: 630F Agency: IGL Distant
Rms: 0.3 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17832	24		EPKPab		926	24.42	-.240							1.0
GRNL	BZ17916	24		EPKPdf		925	40.320	.300							1.0
GRNL	BZ17916	24		EPKPab		926	27.87	-.120							1.0
MESJ	BZ17957	24		EPKPdf		925	40.710	.290							1.0
MESJ	BZ17957	24		EPKPab		926	29.36	-.260							1.0
MORF	BZ17990	25		EPKPdf		925	41.150	.370							1.0
MORF	BZ17990	25		EPKPab		926	30.69	-.320							1.0

September 11 2022 Hour: 18:46 24.3 Lat: 37.09N Lon: 7.96W Depth: 10F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

SE LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	66	292	EP		1846	35.12	-.060							1.0
MORF	HN	66	292	ES		1846	43.06	-.030							1.0
MORF	HN	66	292	IAML		1846	43.54			8	0.2				
MESJ	HZ	87	345	EP		1846	38.390	.110							1.0
MESJ	HE	87	345	ES		1846	48.34	-.120							1.0
MESJ	HN	87	345	IAML		1846	50.40			4	0.1				
GRNL	CZ	126	335	EP		1846	44.270	.100							1.0

September 11 2022 Hour: 19: 9 29.4 Lat: 37.47N Lon: 14.72W Depth: 15F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	537	90	EP		1910	36.15	-.030							1.0
GRNL	CZ	546	81	EP		1910	37.240	.030							1.0
GRNL	CN	546	81	ES		1911	26.60	-.080							1.0
GRNL	CN	546	81	IAML		1911	29.54			6	0.2				
MESJ	HZ	575	84	EP		1910	40.810	.080							1.0

September 11 2022 Hour: 21:16 39.6 Lat: 36.49N Lon: 7.59W Depth: 32F Agency: IGL Regional
Magnitudes: 3.2ML 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	131	314	EP		2116	58.48	-.140							1.0
MORF	HE	131	314	ES		2117	12.550	.020							1.0
MORF	HE	131	314	IAML		2117	13.72			451	0.1				
MESJ	HZ	160	340	EP		2117	2.350	.170							1.0
MESJ	HN	160	340	ES		2117	18.57	-.120							1.0
MESJ	HN	160	340	IAML		2117	21.88			271	0.3				
GRNL	CZ	200	334	EP		2117	7.150	.060							1.0
GRNL	CN	200	334	ES		2117	27.210	.020							1.0
GRNL	CN	200	334	IAML		2117	31.48			169	0.2				

September 12 2022 Hour: 13:20 25.7 Lat: 37.35N Lon: 8.55W 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	11	241	EP		1320	27.99	-.120							1.0
MORF	HE	11	241	ES		1320	30.020	.120							1.0
MORF	HE	11	241	IAML		1320	30.47			38	0.1				

September 12 2022 Hour: 17: 4 52.9 Lat: 38.72N Lon: 7.89W Depth: 11F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

E ARRAILOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	90	221	EP		17 5	7.370	.110							1.0
GRNL	CN	90	221	ES		17 5	17.65	-.110							1.0
GRNL	CN	90	221	IAML		17 5	18.73			4	0.1				

September 12 2022 Hour: 22:21 32.1 Lat: 38.27N Lon: 8.27W Depth: 1F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

SE ALCACER DO SAL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	31	236	EP		2221	37.210	.100							1.0
GRNL	CE	31	236	ES		2221	40.800	.020							1.0
GRNL	CE	31	236	IAML		2221	42.52			6	0.2				
MESJ	HZ	48	174	EP		2221	39.790	.030							1.0
MESJ	HN	48	174	ES		2221	45.22	-.150							1.0
MESJ	HN	48	174	IAML		2221	46.11			2	0.1				

September 13 2022 Hour: 0:10 51.6 Lat: 35.47N Lon: 3.66W Depth: 6F 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	304	EP		011	56.42	-.060							1.0
GRNL	CZ	527	305	EP		012	1.600	.060							1.0

September 13 2022 Hour: 1: 9 36.0 Lat: 37.33N Lon: 8.58W Depth: 6F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.2 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	241	EP		1 9	37.12	-.400							1.0
MORF	HE	7	241	ES		1 9	38.780	.130							1.0
MORF	HE	7	241	IAML		1 9	39.02			48	0.1				
MESJ	HZ	65	30	EP		1 9	46.44	-.000							1.0
MESJ	HN	65	30	ES		1 9	54.230	.150							1.0
MESJ	HN	65	30	IAML		1 9	55.75			2	0.2				
GRNL	CZ	86	1	EP		1 9	49.72	-.140							1.0
GRNL	CE	86	1	ES		110	0.270	.280							1.0
GRNL	CN	86	1	IAML		110	1.88			6	0.2				

September 13 2022 Hour: 1:14 13.6 Lat: 35.50N Lon: 3.71W Depth: 0 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	480	304	EP		115	18.33	-.090							1.0
GRNL	CZ	521	305	EP		115	23.570	.090							1.0

September 14 2022 Hour: 5:17 40.4 Lat: 35.54N Lon: 3.62W Depth: 5F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	484	303	EP		518	45.27	-.010							1.0
GRNL	CZ	525	304	EP		518	50.330	.010							1.0

September 14 2022 Hour: 11: 4 7.5 Lat: 21.19S Lon: 170.24E Depth:145FAgency: IGL Distant
Magnitudes: 7.0Ms IGL Rms: 0.0 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18084	358	EPKpdf			1123	51.350	.070							1.0
GGNV	BZ18084	358	IAMs_20			1221	58.70			36019	37.7				
GRNL	BZ18149	357	EPKpdf			1123	51.880	.010							1.0
GRNL	BZ18149	357	IAMs_20			1221	52.42			72656	62.9				
MESJ	BZ18177	356	EPKpdf			1123	52.12	-.010							1.0
MESJ	BZ18177	356	EPKpab			1124	44.07	-.070							1.0
MESJ	BZ18177	356	IAMs_20			1222	1.84			47347	50.3				

September 14 2022 Hour: 17:23 54.2 Lat: 39.25N Lon: 9.21W Depth: 3F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

SW BOMBARRAL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	138	156	EP		1724	16.23	-.070							1.0
GRNL	CE	138	156	ES		1724	32.31	-.140							1.0
GRNL	CN	138	156	IAML		1724	34.38			37	0.2				
MESJ	HZ	179	151	EP		1724	21.730	.210							1.0

September 14 2022 Hour: 23:33 17.3 Lat: 36.80N Lon: 8.43W Depth: 13F Agency: IGL Regional
Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	59	341	EP		2333	26.93	-.000							1.0

September 15 2022 Hour: 10:41 0.9 Lat: 36.85N Lon: 9.41W Depth: 27F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	84	53	EP		1041	14.420	.030							1.0
MORF	HN	84	53	ES		1041	24.22	-.030							1.0
MORF	HE	84	53	IAML		1041	25.19			9	0.1				

September 15 2022 Hour: 11:42 35.5 Lat: 37.42N Lon: 16.32W Depth: 16F 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	680	89	EP		1143	59.740	.040							1.0
GRNL	CZ	687	81	EP		1144	0.57	-.040							1.0

September 15 2022 Hour: 16:44 41.5 Lat: 37.34N Lon: 8.57W Depth: 13F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	240	EP		1644	43.94	-.140							1.0
MORF	HN	8	240	ES		1644	46.090	.140							1.0
MORF	HN	8	240	IAML		1644	46.48			19	0.2				

September 15 2022 Hour: 21:5 52.0 Lat: 35.50N Lon: 3.64W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	485	304	EP		21 6	57.49	-.050							1.0
MESJ	HE	485	304	ES		21 7	45.580	.210							1.0
MESJ	HN	485	304	IAML		21 7	49.15			25	0.4				
MORF	HZ	492	295	EP		21 6	58.32	-.150							1.0
GRNL	CZ	527	305	EP		21 7	2.58	-.010							1.0

September 15 2022 Hour: 23:44 16.3 Lat: 36.84N Lon: 10.94W Depth: 30F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	210	75	EP		2344	45.300	.030							1.0
GRNL	CN	253	56	ES		2345	15.43	-.030							1.0
GRNL	CN	253	56	IAML		2345	16.26			2	0.1				

September 16 2022 Hour: 0:28 45.8 Lat: 38.17N Lon: 8.26W Depth: 1F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	28	256	EP		028	50.320	.040							1.0
GRNL	CN	28	256	ES		028	53.47	-.070							1.0
GRNL	CE	28	256	IAML		028	53.78			223	0.1				
MESJ	HZ	37	174	EP		028	51.770	.040							1.0
MESJ	HN	37	174	ES		028	56.02	-.010							1.0
MESJ	HN	37	174	IAML		028	56.52			67	0.1				
MORF	HN	102	200	ES		029	14.21	-.000							1.0
MORF	HN	102	200	IAML		029	16.83			52	0.1				

September 16 2022 Hour: 2:5 5.6 Lat: 35.36N Lon: 6.37W Depth: 26F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	297	317	ES		2 6	15.000	.140							1.0
MORF	HN	297	317	IAML		2 6	16.46			1	0.1				
MESJ	HZ	321	329	EP		2 5	48.43	-.080							1.0
MESJ	HN	321	329	ES		2 6	19.79	-.060							1.0
MESJ	HN	321	329	IAML		2 6	22.74			2	0.2				

September 16 2022 Hour: 5:46 43.1 Lat: 36.82N Lon: 7.31W Depth: 32F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	131	295	EP		547	1.94	-.180							1.0
MORF	HN	131	295	ES		547	15.93	-.060							1.0
MORF	HN	131	295	IAML		547	17.16			53	0.2				

MESJ HZ	139	325	EP		547	3.140.070										1.0
MESJ HN	139	325	ES		547	17.700.060										1.0
MESJ HN	139	325	IAML		547	18.89			6	0.1						
GRNL CZ	181	322	EP		547	8.420.110										1.0

September 16 2022 Hour: 12:26 12.1 Lat: 37.79N Lon: 2.10W Depth: 0 Agency: IGL Regional Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		539	272	EP		1227	24.180.060								1.0
GRNL CZ		570	276	EP		1227	27.960.120								1.0
MORF HZ		582	267	EP		1227	29.14-.180								1.0

September 16 2022 Hour: 19:56 27.9 Lat: 36.51N Lon: 7.58W Depth: 34F Agency: IGL Regional Rms: 0.1 secs

Magnitudes: 1.5ML IGL STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		130	313	EP		1956	46.63-.130								1.0
MESJ HZ		158	339	EP		1956	50.280.060								1.0
MESJ HN		158	339	ES		1957	6.53-.020								1.0
MESJ HN		158	339	IAML		1957	9.04			6	0.2				
GRNL CZ		198	334	EP		1956	55.340.190								1.0
GRNL CN		198	334	ES		1957	15.00-.080								1.0
GRNL CN		198	334	IAML		1957	16.35			3	0.1				

September 17 2022 Hour: 12:25 16.1 Lat: 37.49N Lon: 9.14W Depth: 10F Agency: IGL Regional Rms: 0.1 secs

Magnitudes: 0.7ML IGL NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		48	116	EP		1225	23.86-.210								1.0
MORF HE		48	116	ES		1225	29.950.090								1.0
MORF HN		48	116	IAML		1225	31.15			8	0.1				
GRNL CZ		85	36	EP		1225	29.780.000								1.0
GRNL CN		85	36	ES		1225	39.860.120								1.0
GRNL CN		85	36	IAML		1225	41.12			3	0.1				
MESJ HZ		90	64	EP		1225	30.45-.100								1.0
MESJ HE		90	64	ES		1225	41.160.100								1.0
MESJ HE		90	64	IAML		1225	41.95			0.70	0.1				

September 17 2022 Hour: 13:41 18.1 Lat: 23.10N Lon: 121.41E Depth: 10F Agency: IGL Distant Rms: 0.1 secs

Magnitudes: 7.0Ms IGL TAIWAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV BZ11463		322	EPdif			1355	16.730.090								1.0
GGNV BZ11463		322	EPP			1359	31.190.050								1.0
GGNV BZ11463		322	IAMs_20			1444	26.24			38611	11.2				
MESJ BZ11472		321	EPdif			1355	17.060.060								1.0
MESJ BZ11472		321	EPP			1359	31.68-.060								1.0
MESJ BZ11472		321	IAMs_20			1449	20.14			33454	11.2				
GRNL BZ11473		322	EPdif			1355	17.06-.000								1.0
GRNL BZ11473		322	EPP			1359	31.68-.170								0.9
GRNL BE11473		322	IAMs_20			1440	52.09			31882	16.5				
MORF BZ11540		321	EPdif			1355	19.850.060								1.0
MORF BZ11540		321	EPP			1359	36.37-.030								1.0
MORF BE11540		321	IAMs_20			1441	1.70			36156	20.4				

September 17 2022 Hour: 17:59 8.7 Lat: 37.80N Lon: 9.59W Depth: 30F Agency: IGL Regional Rms: 0.1 secs

Magnitudes: 2.6ML IGL SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL CZ		96	69	EP		1759	23.30-.020								1.0
GRNL CN		96	69	ES		1759	34.130.100								1.0
GRNL CN		96	69	IAML		1759	35.05			41	0.1				
MORF HZ		99	124	EP		1759	23.73-.090								1.0

MORF	HN	99	124	ES		1759	34.88	-.020									1.0
MORF	HN	99	124	IAML		1759	35.83			289	0.2						
GGNV	HN	108	20	ES		1759	36.800	.030									1.0
GGNV	HN	108	20	IAML		1759	38.33			246	0.1						
MESJ	HZ	120	88	EP		1759	26.39	-.010									1.0

September 18 2022 Hour: 0:31 3.3 Lat: 36.56N Lon: 12.82W Depth: 25F 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	380	76	EP		031	50.53	-.230							1.0
MORF	HN	380	76	ES		032	25.790	.360							1.0
MORF	HN	380	76	IAML		032	27.03			11	0.1				
GRNL	CZ	414	64	EP		031	54.74	-.090							1.0
GRNL	CN	414	64	ES		032	32.490	.030							1.0
GRNL	CN	414	64	IAML		032	33.78			8	0.0				
MESJ	HN	432	70	ES		032	36.30	-.070							1.0
MESJ	HN	432	70	IAML		032	39.45			6	0.2				

September 18 2022 Hour: 4:35 32.4 Lat: 37.78N Lon: 8.91W Depth: 11F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.0 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	47	40	EP		435	40.17	-.050							1.0
GRNL	CN	47	40	ES		435	45.980	.050							1.0
GRNL	CE	47	40	IAML		435	46.94			2	0.1				

September 18 2022 Hour: 6:44 14.9 Lat: 23.16N Lon: 121.32E Depth: 10F Agency: IGL Distant
Magnitudes: 7.6Ms IGL Rms: 0.1 secs

TAIWAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11452	322		EPdif		658	13.260	.220							0.9
GGNV	BZ11452	322		EPP		7 2	27.23	-.020							1.0
GGNV	BE11452	322		IAMs_20		745	25.33			247000	20.5				
MESJ	BZ11461	321		EPdif		658	13.440	.030							1.0
MESJ	BZ11461	321		EPP		7 2	27.82	-.030							1.0
MESJ	BE11461	321		ESS		717	11.02	-.060							1.0
MESJ	BZ11461	321		IAMs_20		752	5.15			175000	21.9				
GRNL	BZ11462	322		EPdif		658	13.530	.060							1.0
GRNL	BZ11462	322		EPP		7 2	27.990	.040							1.0
GRNL	BE11462	322		ESS		717	11.320	.040							1.0
GRNL	BE11462	322		IAMs_20		742	7.75			231000	26.8				
MORF	BZ11529	321		EPdif		658	16.06	-.140							1.0
MORF	BZ11529	321		EPP		7 2	32.38	-.130							1.0
MORF	BE11529	321		IAMs_20		742	34.55			165000	15.3				

September 18 2022 Hour: 8:53 53.2 Lat: 42.10N Lon: 11.38W Depth: 32F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	504	151	EP		854	58.260	.100							1.0
GRNL	CE	504	151	ES		855	45.650	.050							1.0
GRNL	CE	504	151	IAML		855	50.39			39	0.2				
MESJ	HZ	545	149	EP		855	3.10	-.010							1.0
MESJ	HE	545	149	ES		855	53.98	-.180							1.0
MESJ	HN	545	149	IAML		855	59.13			22	0.2				
MORF	HN	582	155	ES		856	1.990	.030							1.0
MORF	HN	582	155	IAML		856	2.51			20	0.2				

September 18 2022 Hour: 11:25 0.4 Lat: 31.47N Lon: 6.13W Depth: 14F 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	688	341	EP		1126	28.97	-.070							1.0
MESJ	HZ	732	345	EP		1126	34.41	0.140							1.0
GRNL	CZ	770	344	EP		1126	38.60	-.060							0.9

September 18 2022 Hour: 13:46 7.4 Lat: 38.56N Lon: 7.96W Depth: 12F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

SW EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	73	227	EPg		1346	19.37	0.010							1.0
GRNL	CE	73	227	ESg		1346	28.15	0.100							1.0
GRNL	CN	73	227	IAML		1346	29.90			20	0.1				
MESJ	HZ	83	196	EP		1346	20.60	-.070							1.0
MESJ	HE	83	196	ES		1346	30.28	-.040							1.0
MESJ	HN	83	196	IAML		1346	32.46			22	0.2				

September 18 2022 Hour: 16:14 6.5 Lat: 35.43N Lon: 3.69W Depth: 7F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	527	306	EP		1615	16.59	0.150							1.0
GRNL	CN	527	306	ES		1616	7.33	-.150							1.0
GRNL	CN	527	306	IAML		1616	10.55			5	0.3				

September 18 2022 Hour: 21:37 47.3 Lat: 37.32N Lon: 8.60W 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	5	249	EP		2137	49.24	-.000							1.0
MORF	HN	5	249	ES		2137	50.64	0.000							1.0
MORF	HE	5	249	IAML		2137	50.99			28	0.1				

September 19 2022 Hour: 6:36 42.2 Lat: 35.21N Lon: 5.31W Depth: 8F 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
MESJ	HZ	391	319	EP		637	35.42	-.070							1.0
GRNL	CZ	434	319	EP		637	40.82	0.070							1.0

September 19 2022 Hour: 7:27 59.4 Lat: 36.00N Lon: 9.95W Depth: 8F 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	186	38	EP		728	27.26	0.130							1.0
GRNL	CZ	264	27	EP		728	36.73	-.150							1.0
GRNL	CN	264	27	ES		729	4.24	0.000							1.0
GRNL	CN	264	27	IAML		729	5.84			10	0.1				

September 19 2022 Hour: 12:38 22.4 Lat: 35.50N Lon: 3.63W Depth: 0 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	304	EP		1239	27.84	-.090							1.0
GRNL	CZ	527	305	EP		1239	33.08	0.100							1.0

September 19 2022 Hour: 13:56 11.1 Lat: 35.52N Lon: 3.67W Depth: 1F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	523	305	EP		1357	21.15	-.000							1.0

September 19 2022 Hour: 16:30 46.2 Lat: 36.61N Lon: 11.42W Depth: 5F Agency: IGL Regional
Magnitudes: 4.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	258	72	EP		1631	23.14	-.090							1.0
GRNL	CZ	302	56	EP		1631	28.69	0.010							1.0
GRNL	CN	302	56	ES		1631	59.85	0.150							1.0
GRNL	CN	302	56	IAML		1632	4.41		1162	0.3					
MESJ	HZ	315	63	EP		1631	30.10	-.160							1.0
MESJ	HE	315	63	ES		1632	2.54	0.110							1.0
MESJ	HN	315	63	IAML		1632	8.28		368	0.3					

September 19 2022 Hour: 17:1 22.3 Lat: 36.68N Lon: 11.22W 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	239	72	EP		17 1	54.84	-.200							1.0
MORF	HN	239	72	ES		17 2	19.05	0.130							1.0
MORF	HN	239	72	IAML		17 2	19.71		6	0.1					
GRNL	CZ	283	55	EP		17 2	0.45	-.060							1.0
MESJ	HN	296	63	ES		17 2	31.19	0.130							1.0
MESJ	HN	296	63	IAML		17 2	31.75		2	0.1					

September 19 2022 Hour: 17:2 7.7 Lat: 36.68N Lon: 11.31W Depth: 31F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	246	73	EP		17 2	40.22	-.120							1.0
MORF	HN	246	73	ES		17 3	4.25	0.070							1.0
MORF	HN	246	73	IAML		17 3	6.23		93	0.2					
GRNL	CZ	290	56	EP		17 2	45.70	0.010							1.0
MESJ	HZ	303	64	EP		17 2	47.28	-.020							1.0
MESJ	HN	303	64	ES		17 3	16.28	0.060							1.0
MESJ	HN	303	64	IAML		17 3	21.56		19	0.3					

September 19 2022 Hour: 18:5 6.8 Lat: 18.37N Lon: 103.25W Depth: 15F Agency: IGL Distant
Magnitudes: 7.5Ms IGL Rms: 0.1 secs

MICHOACAN, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9107	52	EP		1817	25.44	-.090							1.0
GGNV	BZ	9107	52	IAMs_20		1859	32.98		191000	23.4					
GRNL	BZ	9176	52	EP		1817	28.83	0.050							1.0
GRNL	BZ	9176	52	IAMs_20		1859	47.02		195000	18.5					
MORF	BZ	9195	53	EP		1817	29.72	-.040							1.0
MORF	BZ	9195	53	IAMs_20		1858	35.34		196000	14.5					
MESJ	BZ	9214	53	EP		1817	30.66	0.080							1.0
MESJ	BZ	9214	53	IAMs_20		1859	58.22		189000	18.1					

September 19 2022 Hour: 19:30 40.8 Lat: 18.47N Lon: 103.84W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

MICHOACAN, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9218	52	EP		1943	5.54	-.090							1.0
GRNL	BZ	9218	52	IAMB		1943	6.90		35	1.1					
MORF	BZ	9238	53	EP		1943	6.75	0.110							1.0
MORF	BZ	9238	53	IAMB		1943	7.52		25	0.6					
MESJ	BZ	9257	53	EP		1943	7.41	-.020							1.0

MESJ BZ 9257 53 IAmb 1943 8.98 85 1.3

September 20 2022 Hour: 7:45 25.0 Lat: 36.69N Lon: 11.20W Depth: 27F 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	237	73	EP		745	57.35	-.140							1.0
MORF	HN	237	73	ES		746	21.250	.080							1.0
MORF	HN	237	73	IAML		746	23.04		22	0.4					
GRNL	CZ	281	55	EP		746	2.93	-.030							1.0
MESJ	HZ	293	63	EP		746	4.590	.090							1.0

September 20 2022 Hour: 8:17 17.9 Lat: 18.48N Lon: 103.52W Depth: 57F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

MICHOACAN, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9122	52	EP		829	31.990	.150							1.0
GGNV	BZ	9122	52	IAMs_20		9 8	47.52		3497	19.5					
GRNL	BZ	9191	52	EP		829	34.89	-.190							1.0
GRNL	BZ	9191	52	IAMs_20		9 6	16.72		3468	24.8					
MORF	BZ	9211	53	EP		829	36.190	.110							1.0
MORF	BZ	9211	53	IAMs_20		9 8	31.59		3569	20.9					
MESJ	BZ	9229	53	EP		829	36.79	-.080							1.0
MESJ	BZ	9229	53	IAMs_20		9 9	31.33		2706	19.5					

September 20 2022 Hour: 8:37 39.9 Lat: 56.14N Lon: 156.44W Depth: 40F Agency: IGL Distant
Magnitudes: 5.3Mb 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
GRNL	BZ	9132	25	EP		849	56.380	.070							1.0
GRNL	BZ	9132	25	IAMB		849	57.74		45	0.4					
MESJ	BZ	9170	25	EP		849	57.99	-.100							1.0
MESJ	BZ	9170	25	IAMB		849	59.24		7	0.8					
MORF	BZ	9215	25	EP		850	0.280	.020							1.0
MORF	BZ	9215	25	IAMB		850	1.85		18	0.7					

September 20 2022 Hour: 9:7 43.3 Lat: 36.53N Lon: 7.66W Depth: 22F Agency: IGL Regional
Magnitudes: 0.6ML 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
MESJ	HZ	154	341	EP		9 8	5.810	.040							1.0
MESJ	HN	154	341	ES		9 8	22.260	.080							1.0
MESJ	HN	154	341	IAML		9 8	23.32		0.80	0.1					
GRNL	CZ	193	336	EP		9 8	10.51	-.120							1.0

September 20 2022 Hour: 12:53 46.2 Lat: 36.69N Lon: 11.30W Depth: 34F 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	245	73	EP		1254	19.31	-.120							1.0
GRNL	CZ	288	56	EP		1254	24.810	.040							1.0
GRNL	CN	288	56	ES		1254	52.87	-.030							1.0
GRNL	CN	288	56	IAML		1254	54.73		8	0.1					
MESJ	HZ	301	64	EP		1254	26.440	.060							1.0
MESJ	HE	301	64	ES		1254	55.750	.060							1.0
MESJ	HN	301	64	IAML		1254	58.12		3	0.1					

September 20 2022 Hour: 18:23 43.9 Lat: 55.51N Lon: 166.44E Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

KOMANDORSKIYE OSTROVA REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9559	357	EP		1836	23.99	-.100							1.0
GGNV	BZ	9559	357	IAMs_20		1912	41.93		7603	24.9					
GRNL	BZ	9624	356	EP		1836	26.98	-.010							1.0

GRNL CZ	218	52	EP	1041	55.53	-.080											1.0
GRNL CN	218	52	ES	1042	17.570	.220											1.0
GRNL CN	218	52	IAML	1042	19.92				20	0.2							
MESJ HZ	228	62	EP	1041	56.81	-.090											1.0

September 21 2022 Hour: 17:26 36.2 Lat: 38.05N Lon: 8.72W Depth: 17F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 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	14	63	EP			1726	39.800	.010							1.0
GRNL CE	14	63	ES			1726	42.37	-.010							1.0
GRNL CE	14	63	IAML			1726	43.18			15	0.1				

September 22 2022 Hour: 5: 5 42.8 Lat: 38.00N Lon: 13.94W Depth: 28F 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
GRNL CZ	472	87	EP			5 6	41.37	-.060							1.0
GRNL CN	472	87	ES			5 7	24.340	.080							1.0
GRNL CN	472	87	IAML			5 7	26.28			3	0.1				
MORF HZ	473	98	EP			5 6	41.49	-.170							1.0
MESJ HZ	503	90	EP			5 6	45.470	.140							1.0

September 22 2022 Hour: 6:16 10.7 Lat: 18.31N Lon: 102.92W Depth: 24F Agency: IGL Distant
Magnitudes: 7.0Ms IGL Rms: 0.1 secs

MICHOACAN, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV BZ	9084	52	EP			628	27.110	.180							1.0
GGNV BZ	9084	52	IAMs_20			7 4	27.43			74560	17.6				
GRNL BZ	9152	53	EP			628	30.04	-.130							1.0
GRNL BN	9152	53	ES			638	44.67	-.100							1.0
GRNL BZ	9152	53	IAMs_20			711	17.80			49054	17.3				
MORF BZ	9171	53	EP			628	31.11	-.030							1.0
MORF BZ	9171	53	IAMs_20			7 7	23.22			53435	15.5				
MESJ BZ	9190	53	EP			628	32.040	.070							1.0
MESJ BZ	9190	53	IAMs_20			7 9	40.00			43275	17.7				

September 22 2022 Hour: 10:31 14.0 Lat: 38.14N Lon: 9.47W Depth: 10F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL CZ	79	92	EP			1031	26.69	-.060							1.0
GRNL CN	79	92	ES			1031	36.130	.060							1.0
GRNL CN	79	92	IAML			1031	38.54			10	0.2				

September 22 2022 Hour: 11:36 21.5 Lat: 36.30N Lon: 6.55W Depth: 32F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	218	301	EP			1136	51.40	-.020							1.0
MORF HN	218	301	ES			1137	13.250	.010							1.0
MORF HN	218	301	IAML			1137	15.10			11	0.2				
MESJ HZ	226	319	EP			1136	52.450	.050							1.0
MESJ HE	226	319	ES			1137	14.940	.010							1.0
MESJ HN	226	319	IAML			1137	16.44			20	0.3				
GRNL CZ	269	319	EP			1136	57.730	.040							1.0
GRNL CN	269	319	ES			1137	24.01	-.080							1.0
GRNL CE	269	319	IAML			1137	25.39			5	0.1				

September 22 2022 Hour: 14:23 30.5 Lat: 37.08N Lon: 8.38W Depth: 22F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

SE LAGOA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	35	316	EP		1423	36.79	-.140							1.0
MORF	HE	35	316	ES		1423	41.81	0.140							1.0
MORF	HN	35	316	IAML		1423	42.74			5	0.1				

September 23 2022 Hour: 2:15 51.3 Lat: 36.80N Lon: 10.45W Depth: 32F Agency: IGL Regional
Magnitudes: 1.1ML 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	170	70	EP		2 2	15.25	0.050							1.0
MORF	HN	170	70	ES		2 2	32.55	-.080							1.0
MORF	HN	170	70	IAML		2 2	33.67			2	0.2				
GRNL	CZ	221	48	EP		2 2	21.52	-.050							1.0
MESJ	HZ	229	59	EP		2 2	22.64	0.080							1.0

September 23 2022 Hour: 4:15 55.3 Lat: 36.66N Lon: 11.20W Depth: 32F 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	238	72	EP		4 2	27.52	-.080							1.0
MORF	HN	238	72	ES		4 2	51.29	0.080							1.0
MORF	HN	238	72	IAML		4 2	52.21			3	0.0				

September 23 2022 Hour: 12:34 26.2 Lat: 6.00S Lon: 148.69E Depth: 69F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.0 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ15801	330	EP	KPdf		1253	49.48	-.050							1.0
GRNL	BZ15801	330	EPP			1256	55.80	0.070							1.0
GRNL	BZ15801	330	IAMs	_20		1349	45.03			513	28.8				
MESJ	BZ15805	330	EP	KPdf		1253	49.60	-.010							1.0
MESJ	BZ15805	330	IAMs	_20		1350	17.19			455	26.6				

September 23 2022 Hour: 18:26 1.7 Lat: 18.55N Lon: 103.59W Depth: 54F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

MICHOACAN, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9192	52	EP		1838	19.16	-.140							1.0
GRNL	BZ	9192	52	IAMB		1838	20.23			40	0.8				
MORF	BZ	9212	53	EP		1838	20.43	0.120							1.0
MORF	BZ	9212	53	IAMB		1838	21.90			45	1.2				
MESJ	BZ	9230	53	EP		1838	21.12	0.020							1.0
MESJ	BZ	9230	53	IAMB		1838	22.27			79	0.9				

September 23 2022 Hour: 20:52 58.3 Lat: 3.80N Lon: 96.03E Depth: 38F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

NORTHERN SUMATRA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11007	309	EP	dif		21 6	34.19	0.020							1.0
MESJ	BZ11007	309	IAMs	_20		2155	21.40			3467	25.0				
GRNL	BZ11030	309	EP	dif		21 6	34.99	-.120							1.0
GRNL	BZ11030	309	EPP			2110	37.75	0.130							1.0
GRNL	BE11030	309	IAMs	_20		2155	34.26			3408	20.0				
MORF	BZ11056	309	EP	dif		21 6	36.18	-.030							1.0
MORF	BE11056	309	IAMs	_20		2155	8.04			5071	23.1				

September 24 2022 Hour: 5:32 53.5 Lat: 36.85N Lon: 8.96W Depth: 31F 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	57	29	EP		533	2.51	-.100							1.0
GRNL	CN	144	14	ES		533	27.890	.110							1.0
GRNL	CE	144	14	IAML		533	29.17			2	0.1				

September 24 2022 Hour: 9:17 11.1 Lat: 37.40N Lon: 8.91W Depth: 21F Agency: IGL Regional
Magnitudes: 1.1ML 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	25	115	EP		917	16.21	-.090							1.0
MORF	HN	25	115	ES		917	19.99	-.110							1.0
MORF	HN	25	115	IAML		917	20.62			26	0.1				
MESJ	HZ	78	51	EP		917	23.66	-.070							1.0
MESJ	HN	78	51	ES		917	33.010	.060							1.0
MESJ	HN	78	51	IAML		917	33.80			5	0.1				
GRNL	CZ	84	21	EP		917	24.850	.220							1.0

September 25 2022 Hour: 3:11 55.1 Lat: 36.77N Lon: 7.01W Depth: 23F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	160	318	EP		312	18.440	.000							1.0
MESJ	HE	160	318	ES		312	35.540	.040							1.0
MESJ	HE	160	318	IAML		312	37.12			4	0.1				
GRNL	CZ	202	318	EP		312	23.780	.040							1.0
GRNL	CN	202	318	ES		312	44.58	-.090							1.0
GRNL	CN	202	318	IAML		312	45.98			3	0.1				

September 25 2022 Hour: 4:39 24.5 Lat: 36.10N Lon: 8.03W Depth: 21F 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	144	337	EP		439	45.91	-.010							1.0
MESJ	HZ	193	355	EP		439	52.070	.100							1.0
GRNL	CZ	228	348	EP		439	56.12	-.090							1.0

September 25 2022 Hour: 17:16 29.8 Lat: 38.22N Lon: 13.91W Depth: 31F 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
GRNL	CZ	468	90	EP		1717	27.87	-.150							1.0
GRNL	CN	468	90	ES		1718	10.49	-.040							1.0
GRNL	CE	468	90	IAML		1718	12.49			6	0.1				
MORF	HE	474	101	ES		1718	12.100	.190							1.0
MORF	HE	474	101	IAML		1718	14.71			7	0.1				

September 26 2022 Hour: 1:48 27.8 Lat: 36.69N Lon: 4.43W Depth: 69F 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	359	292	EP		149	14.960	.080							1.0
MESJ	HN	359	292	ES		149	49.07	-.160							1.0
MESJ	HN	359	292	IAML		149	51.94			139	0.3				
MORF	HZ	382	281	EP		149	17.48	-.150							1.0
MORF	HN	382	281	ES		149	53.93	-.070							1.0
MORF	HN	382	281	IAML		149	58.47			217	0.3				
GRNL	CZ	399	294	EP		149	19.880	.260							1.0
GRNL	CN	399	294	ES		149	57.480	.050							1.0
GRNL	CN	399	294	IAML		150	0.43			136	0.2				

September 26 2022 Hour: 2:42 53.0 Lat: 35.43N Lon: 3.61W Depth: 20F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	491	304	EP		243	57.28	-.050							1.0
MORF	HZ	498	296	EP		243	58.190	.020							1.0
GRNL	CZ	533	305	EP		244	2.430	.040							1.0

September 26 2022 Hour: 8:4 47.8 Lat: 35.80N Lon: 4.63W Depth: 83F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	392	306	EP		8 5	38.600	.050							1.0
MESJ	HN	392	306	ES		8 6	15.700	.100							1.0
MESJ	HN	392	306	IAML		8 6	17.71			10	0.2				
MORF	HZ	397	296	EP		8 5	39.04	-.100							1.0
GRNL	CZ	434	307	EP		8 5	43.45	-.050							1.0

September 26 2022 Hour: 9:59 56.4 Lat: 54.00N Lon: 35.23W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2602	120	EP		10 5	5.840	.220							1.0
GRNL	BZ	2686	120	EP		10 5	12.69	-.030							1.0
GRNL	BZ	2686	120	I Amb		10 5	17.58			196	1.5				
MESJ	BZ	2729	120	EP		10 5	16.14	-.090							1.0
MESJ	BZ	2729	120	I Amb		10 5	21.27			450	1.9				
MORF	BZ	2750	122	EP		10 5	17.93	-.100							1.0
MORF	BZ	2750	122	I Amb		10 5	21.81			224	1.9				

September 26 2022 Hour: 20:30 16.9 Lat: 53.93N Lon: 35.36W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

REYKJANES RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	2690	120	EP		2035	33.530	.030							1.0
GRNL	BZ	2690	120	I Amb		2035	34.74			48	1.3				
MESJ	BZ	2732	120	EP		2035	37.060	.050							1.0
MESJ	BZ	2732	120	I Amb		2035	40.28			477	2.5				
MORF	BZ	2753	121	EP		2035	38.70	-.080							1.0
MORF	BZ	2753	121	I Amb		2035	41.54			48	1.2				

September 26 2022 Hour: 20:30 24.9 Lat: 36.53N Lon: 4.51W Depth: 71F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	360	295	EP		2031	11.90	-.100							1.0
MESJ	HN	360	295	ES		2031	46.29	-.080							1.0
MESJ	HN	360	295	IAML		2031	48.61			27	0.2				
MORF	HZ	379	284	EP		2031	14.420	.100							1.0
GRNL	CZ	400	297	EP		2031	16.870	.040							1.0
GRNL	CN	400	297	ES		2031	54.780	.050							1.0
GRNL	CE	400	297	IAML		2031	56.72			47	0.3				

September 27 2022 Hour: 0:0 10.8 Lat: 35.79N Lon: 8.81W Depth: 38F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	169	5	EP		0 0	34.36	-.240							1.0
MORF	HN	169	5	ES		0 0	51.990	.010							1.0
MORF	HN	169	5	IAML		0 0	52.65			12	0.1				
MESJ	HZ	234	13	EP		0 0	42.57	-.040							1.0
MESJ	HE	234	13	ES		0 1	6.040	.210							1.0
MESJ	HN	234	13	IAML		0 1	8.55			5	0.2				

GRNL CZ	259	5	EP	0	0	45.690.020											1.0
GRNL CN	259	5	ES	0	1	11.190.060											1.0
GRNL CN	259	5	IAML	0	1	13.40			8	0.1							

September 27 2022 Hour: 15:29 4.2 Lat: 36.72N Lon: 8.01W Depth: 18F 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	86	318	EP		1529	18.170.130								1.0
MESJ	HZ	125	351	EP		1529	23.620.130								1.0
GRNL	CZ	161	342	EP		1529	27.87-.110								1.0
GRNL	CN	161	342	ES		1529	45.17-.160								1.0
GRNL	CN	161	342	IAML		1529	49.35			8	0.2				

September 28 2022 Hour: 5:52 53.2 Lat: 36.59N Lon: 4.73W Depth: 48F Agency: IGL Regional
Magnitudes: 2.0ML 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	340	295	EP		553	37.76-.090								1.0
MESJ	HE	340	295	ES		554	10.39-.040								1.0
MESJ	HN	340	295	IAML		554	11.52			5	0.1				
GRNL	CZ	380	297	EP		553	42.850.130								1.0

September 28 2022 Hour: 16:43 30.1 Lat: 36.68N Lon: 9.71W Depth: 18F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	53	EP		1643	48.370.040								1.0
MORF	HE	116	53	ES		1644	1.58-.040								1.0
MORF	HN	116	53	IAML		1644	2.26			7	0.1				
MESJ	HZ	184	45	EP		1643	56.710.020								1.0
GRNL	CZ	188	32	EP		1643	57.05-.060								1.0
GRNL	CN	188	32	ES		1644	16.860.040								1.0
GRNL	CN	188	32	IAML		1644	18.30			2	0.1				

September 29 2022 Hour: 2:24 1.4 Lat: 53.51N Lon: 35.16W Depth: 10F Agency: IGL Distant
Magnitudes: 4.5Ms IGL Rms: 0.1 secs

REYKJANES RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	2655	119	EP		229	15.09-.030								1.0
GRNL	BZ	2655	119	IAMs_20		236	41.44			1534	21.1				
MESJ	BZ	2698	119	EP		229	18.59-.050								1.0
MESJ	BZ	2698	119	IAMs_20		235	53.79			2013	24.3				
MORF	BZ	2718	121	EP		229	20.420.080								1.0
MORF	BZ	2718	121	IAMs_20		236	9.43			1566	23.1				

September 29 2022 Hour: 3:3 24.2 Lat: 60.85S Lon: 20.03W Depth: 11F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

EAST OF SOUTH SANDWICH ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10908		9	EPdif		317	1.09								
MORF	BZ10908		9	EPP		321	0.78-.160								1.0
MORF	BN10908		9	ESS		335	13.960.090								1.0
MORF	BZ10908		9	IAMs_20		351	29.40			9960	23.2				
MESJ	BZ10971		9	EPdif		317	3.990.090								1.0
MESJ	BE10971		9	ESS		335	21.740.010								1.0
MESJ	BZ10971		9	IAMs_20		352	2.44			10039	25.0				
GRNL	BZ10998		9	EPdif		317	5.050.100								1.0
GRNL	BN10998		9	ESS		335	25.080.010								1.0
GRNL	BZ10998		9	IAMs_20		352	4.93			12769	36.9				
GGNV	BZ11060		9	EPdif		317	7.28-.140								1.0
GGNV	BZ11060		9	IAMs_20		352	2.67			14945	35.9				

September 29 2022 Hour: 6:10 13.4 Lat: 36.60N Lon: 7.33W Depth: 17F 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	159	330	EP		610	36.900	0.010							1.0

September 29 2022 Hour: 9:14 45.2 Lat: 37.15N Lon: 4.05W Depth: 1F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	377	283	EP		915	37.430	0.060							1.0
MORF	HZ	409	274	EP		915	41.37	-0.050							1.0
GRNL	CZ	413	286	EP		915	41.85	-0.010							1.0

September 29 2022 Hour: 13: 8 12.3 Lat: 35.73N Lon: 8.66W Depth: 41F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	175	0	EP		13 8	36.73	-0.170							1.0
GRNL	CZ	264	2	EP		13 8	48.040	0.100							1.0
GRNL	CN	264	2	ES		13 9	14.000	0.080							1.0
GRNL	CN	264	2	IAML		13 9	15.98			17	0.1				

September 29 2022 Hour: 15:32 30.8 Lat: 53.75N Lon: 35.19W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2586	120	EP		1537	38.45	-0.070							1.0
GGNV	BZ	2586	120	IAMs_20		1543	52.83		26051	23.4					
GRNL	BZ	2670	120	EP		1537	45.860	0.040							1.0
GRNL	BZ	2670	120	IAMs_20		1544	3.67		22591	23.6					
MESJ	BZ	2712	120	EP		1537	49.350	0.020							1.0
MESJ	BZ	2712	120	IAMs_20		1544	14.70		21687	23.3					
MORF	BZ	2733	121	EP		1537	51.08	-0.000							1.0
MORF	BZ	2733	121	IAMs_20		1544	31.03		16651	22.3					

September 29 2022 Hour: 21:48 11.1 Lat: 38.90N Lon: 8.32W Depth: 1 Agency: IGL Regional
Magnitudes: 1.1ML 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
GRNL	CZ	90	194	EP		2148	25.55	-0.060							1.0
MESJ	HZ	118	176	EP		2148	30.02	-0.040							1.0
MESJ	HE	118	176	ES		2148	44.040	0.100							1.0
MESJ	HE	118	176	IAML		2148	45.71			3	0.2				

September 29 2022 Hour: 22:22 37.7 Lat: 23.12N Lon: 94.98E Depth:153F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.0 secs

MYANMAR Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9554	309	EP		2235	0.29	-0.050							1.0
MESJ	BZ	9554	309	IAMB		2235	1.49		68	0.8					
GRNL	BZ	9568	310	EP		2235	0.960	0.000							1.0
GRNL	BZ	9568	310	IAMB		2235	2.28		70	0.9					
MORF	BZ	9615	309	EP		2235	3.110	0.050							1.0
MORF	BZ	9615	309	IAMB		2235	4.03		42	0.8					

September 29 2022 Hour: 22:59 1.3 Lat: 22.96S Lon: 172.22E Depth: 10F Agency: IGL Distant
Rms: 0.1 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	18346	2	EPKpdf		2319	5.04	0.07							1.0
MORF	BZ	18435	3	EPKpdf		2319	5.66	-0.07							1.0

September 29 2022 Hour: 23: 8 10.4 Lat: 60.20N Lon: 141.34W Depth: 17F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

SOUTHERN ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	8288	37	EP		2319	48.29	-.060							1.0
GRNL	BZ	8288	37	IAmb		2319	50.30			38	0.9				
MESJ	BZ	8328	37	EP		2319	50.41	0.000							1.0
MESJ	BZ	8328	37	IAmb		2319	57.17			62	1.7				
MORF	BZ	8368	37	EP		2319	52.63	0.060							1.0
MORF	BZ	8368	37	IAmb		2319	53.73			61	1.1				

September 30 2022 Hour: 2:20 17.1 Lat: 37.51N Lon: 7.46W Depth: 9F Agency: IGL Regional
Magnitudes: 0.7ML 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	77	299	EP		220	29.40	-.130							1.0
MESJ	HN	77	299	ES		220	38.74	0.130							1.0
MESJ	HN	77	299	IAML		220	40.55			3	0.1				

September 30 2022 Hour: 16:39 8.9 Lat: 36.59N Lon: 8.01W Depth: 18F 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	98	324	EP		1639	24.42	-.080							1.0
MESJ	HZ	140	352	EP		1639	30.15	0.130							1.0
MESJ	HN	140	352	ES		1639	45.50	0.070							1.0
MESJ	HN	140	352	IAML		1639	46.42			2	0.1				
GRNL	CZ	176	344	EP		1639	34.33	-.120							1.0

September 30 2022 Hour: 17:28 53.1 Lat: 36.81N Lon: 8.34W Depth: 4F 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	62	333	EP		1729	3.01	-.150							1.0
MESJ	HZ	115	5	EP		1729	11.59	-.110							1.0
MESJ	HN	115	5	ES		1729	25.31	0.060							1.0
MESJ	HN	115	5	IAML		1729	26.59			84	0.2				
GRNL	CZ	146	352	EP		1729	16.55	0.240							1.0
GRNL	CN	146	352	ES		1729	33.20	-.030							1.0
GRNL	CN	146	352	IAML		1729	34.83			83	0.2				

October 1 2022 Hour: 1:18 53.0 Lat: 53.71N Lon: 35.54W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs

REYKJANES RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2604	119	EP		124	2.50	0.130							1.0
GGNV	BZ	2604	119	IAMs_20		129	57.70			37591	26.7				
GRNL	BZ	2688	119	EP		124	9.46	0.020							1.0
GRNL	BE	2688	119	ES		128	28.71	-.050							1.0
GRNL	BZ	2688	119	IAMs_20		130	30.32			35692	26.7				
MESJ	BZ	2730	119	EP		124	12.84	-.110							1.0
MESJ	BN	2730	119	IAMs_20		130	48.51			10320	19.3				
MORF	BZ	2751	121	EP		124	14.69	0.020							1.0
MORF	BZ	2751	121	IAMs_20		130	31.93			28716	30.0				

October 1 2022 Hour: 6:23 55.0 Lat: 7.97S Lon: 74.55W Depth: 157F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	8516	48	EP		635	27.81	0.000							1.0
GRNL	BZ	8516	48	IAmb		635	29.16			19	1.1				

October 1 2022 Hour: 12:51 59.3 Lat: 36.48N Lon: 9.80W Depth: 12F 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	137	48	EP		1252	20.50	-.070							1.0
MORF	HN	137	48	ES		1252	36.00	-.060							1.0
MORF	HN	137	48	IAML		1252	36.74			4	0.1				
MESJ	HZ	205	42	EP		1252	29.04	-.050							1.0
MESJ	HE	205	42	ES		1252	50.77	-.030							1.0
MESJ	HE	205	42	IAML		1252	52.61			1.00	0.1				
GRNL	CN	211	31	ES		1252	52.100	.220							1.0
GRNL	CN	211	31	IAML		1252	54.50			3	0.1				

October 1 2022 Hour: 15: 2 32.7 Lat: 31.32N Lon: 131.46E Depth: 28F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.0 secs

KYUSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ11290	329		EPdif		1516	21.640	.010							1.0
GRNL	BZ11290	329		EPP		1520	31.59	-.050							1.0
GRNL	BZ11290	329		IAMs_20		16 6	45.00			12137	29.8				
MESJ	BZ11297	328		EPP		1520	32.190	.040							1.0
MESJ	BZ11297	328		IAMs_20		16 8	4.66			9121	13.9				

October 1 2022 Hour: 21:10 1.6 Lat: 36.66N Lon: 7.31W Depth: 20F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	154	329	EP		2110	24.28	-.050							1.0
MESJ	HE	154	329	ES		2110	40.960	.050							1.0
MESJ	HE	154	329	IAML		2110	43.40			2	0.2				

October 1 2022 Hour: 23: 4 55.3 Lat: 38.34N Lon: 8.05W Depth: 12F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

NW VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	52	240	EP		23 5	3.990	.150							1.0
GRNL	CE	52	240	ES		23 5	10.180	.070							1.0
GRNL	CE	52	240	IAML		23 5	10.61			2	0.2				
MESJ	HZ	58	195	EP		23 5	4.66	-.010							1.0
MESJ	HE	58	195	ES		23 5	11.35	-.200							1.0
MESJ	HN	58	195	IAML		23 5	12.63			2	0.1				

October 2 2022 Hour: 0:44 56.1 Lat: 37.17N Lon: 4.06W Depth: 4F 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	375	283	EP		045	47.770	.000							1.0

October 2 2022 Hour: 1:58 29.0 Lat: 37.71N Lon: 8.39W Depth: 19F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	21	47	EP		158	33.590	.120							1.0
MESJ	HN	21	47	ES		158	36.62	-.080							1.0
MESJ	HE	21	47	IAML		158	37.05			7	0.1				
GRNL	CZ	47	340	EP		158	36.84	-.130							1.0
GRNL	CN	47	340	ES		158	42.770	.010							1.0
GRNL	CN	47	340	IAML		158	42.99			6	0.1				
MORF	HN	51	207	ES		158	43.980	.080							1.0
MORF	HN	51	207	IAML		158	44.91			9	0.1				

October 2 2022 Hour: 2:57 9.5 Lat: 35.95N Lon: 10.66W Depth: 28F Agency: IGL Regional
Magnitudes: 3.1ML 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	234	50	EP		257	41.770	.160							1.0
MORF	HN	234	50	ES		258	5.080	.030							1.0
MORF	HE	234	50	IAML		258	8.10			172	0.2				
MESJ	HZ	302	45	EP		257	49.90	-.120							1.0
MESJ	HN	302	45	ES		258	19.720	.130							1.0
MESJ	HN	302	45	IAML		258	21.83			28	0.1				
GRNL	CZ	304	37	EP		257	49.92	-.230							1.0
GRNL	CN	304	37	ES		258	19.850	.020							1.0
GRNL	CN	304	37	IAML		258	23.12			145	0.2				

October 2 2022 Hour: 4: 4 6.1 Lat: 34.32N Lon: 26.18E Depth: 60F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

CRETE, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3106	287	EP		4 9	50.740	.030							1.0
MESJ	BZ	3106	287	IAMB		4 9	53.02			86	1.4				
GRNL	BZ	3135	288	EP		4 9	52.99	-.030							1.0
GRNL	BZ	3135	288	IAMB		4 9	56.02			94	1.6				

October 2 2022 Hour: 4:59 44.5 Lat: 37.20N Lon: 4.09W 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
MESJ	HZ	372	282	EP		5 0	35.97	-.000							1.0

October 2 2022 Hour: 5:44 2.3 Lat: 37.20N Lon: 4.09W Depth: 2F 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	372	282	EP		544	53.840	.020							1.0
MORF	HZ	405	273	EP		544	57.86	-.100							1.0
GRNL	CZ	408	286	EP		544	58.350	.080							1.0

October 2 2022 Hour: 6:28 15.8 Lat: 36.68N Lon: 9.84W Depth: 17F 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	126	57	EP		628	35.25	-.100							1.0
MORF	HN	126	57	ES		628	49.55	-.040							1.0
MORF	HN	126	57	IAML		628	51.12			9	0.2				
MESJ	HN	193	48	ES		629	3.960	.150							1.0
MESJ	HE	193	48	IAML		629	4.87			1	0.2				

October 2 2022 Hour: 13: 5 43.0 Lat: 57.77S Lon: 25.41W Depth: 35F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.0 secs

SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10698	14		EP		1319	6.750	.000							1.0
MESJ	BZ10698	14		IAMS_20		1355	31.53			1205	19.3				

October 2 2022 Hour: 13: 8 30.4 Lat: 37.14N Lon: 4.06W Depth: 12F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	376	283	EP		13 9	21.28	-.000							1.0

October 2 2022 Hour: 16:51 10.8 Lat: 36.98N Lon: 13.59W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	440	84	EP		1652	5.740	.100							1.0
GRNL	CZ	461	73	EP		1652	7.81-	.330							1.0
GRNL	CE	461	73	ES		1652	50.180	.160							1.0
GRNL	CE	461	73	IAML		1652	50.82			2	0.1				
MESJ	HZ	485	77	EP		1652	11.150	.080							1.0

October 2 2022 Hour: 22:22 12.2 Lat: 36.55N Lon: 9.74W Depth: 16F 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	128	49	EP		2222	32.100	.080							1.0
MESJ	HZ	197	43	EP		2222	40.600	.080							1.0
GRNL	CZ	202	31	EP		2222	40.96-	.160							1.0

October 2 2022 Hour: 22:33 3.4 Lat: 36.02N Lon: 4.92W Depth: 24F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	357	305	EP		2233	51.040	.110							1.0
MESJ	HN	357	305	ES		2234	25.44-	.190							1.0
MESJ	HN	357	305	IAML		2234	27.79			5	0.2				
MORF	HZ	363	294	EP		2233	51.770	.020							1.0
GRNL	CZ	399	307	EP		2233	56.220	.060							1.0

October 3 2022 Hour: 1:53 14.2 Lat: 37.14N Lon: 8.60W Depth: 2F Agency: IGL Regional
Magnitudes: 1.0ML 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	19	344	EP		153	17.04-	.170							1.0
MORF	HN	19	344	ES		153	19.510	.110							1.0
MORF	HN	19	344	IAML		153	20.24			23	0.1				
GRNL	CN	107	1	ES		153	44.140	.060							1.0
GRNL	CN	107	1	IAML		153	46.39			7	0.1				

October 3 2022 Hour: 12:37 22.0 Lat: 35.72N Lon: 10.03W Depth: 32F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	215	35	EP		1237	51.36-	.060							1.0
MORF	HE	215	35	ES		1238	12.86-	.040							1.0
MORF	HE	215	35	IAML		1238	13.16			12	0.2				
GRNL	CN	295	26	ES		1238	30.260	.110							1.0
GRNL	CN	295	26	IAML		1238	31.97			6	0.1				

October 3 2022 Hour: 14:12 1.3 Lat: 35.49N Lon: 3.67W Depth: 27F 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	483	304	EP		1413	3.970	.010							1.0
GRNL	CZ	524	305	EP		1413	9.01-	.010							1.0

October 3 2022 Hour: 14:56 49.6 Lat: 36.75N Lon: 7.23W Depth: 21F 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	140	296	EP		1457	10.46-	.090							1.0
MORF	HN	140	296	ES		1457	25.990	.170							1.0
MORF	HN	140	296	IAML		1457	26.35			38	0.1				
MESJ	HZ	149	324	EP		1457	11.56-	.040							1.0

MESJ HN	149	324	ES		1457	27.54	-.100										1.0
MESJ HN	149	324	IAML		1457	31.23			17	0.1							
GRNL CZ	191	322	EP		1457	16.91	0.060										1.0

October 3 2022 Hour: 18: 8 22.6 Lat: 53.76N Lon: 35.56W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

REYKJANES RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	2692	119	EP		1813	39.29	-.110							1.0
GRNL	BZ	2692	119	IAmb		1813	41.03		230	2.5					
MESJ	BZ	2734	119	EP		1813	43.02	0.110							1.0
MESJ	BZ	2734	119	IAmb		1813	50.75		244	2.3					
MORF	BZ	2755	121	EP		1813	44.64	0.000							1.0
MORF	BZ	2755	121	IAmb		1813	47.96		49	1.4					

October 4 2022 Hour: 2:58 23.6 Lat: 36.72N Lon: 7.50W Depth: 22F 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	121	302	EP		258	41.81	-.240							1.0
MORF	HN	121	302	ES		258	55.59	0.060							1.0
MORF	HE	121	302	IAML		258	56.28		72	0.3					
MESJ	HZ	139	333	EP		258	44.40	0.130							1.0
MESJ	HE	139	333	ES		258	59.35	-.030							1.0
MESJ	HN	139	333	IAML		259	1.58		34	0.1					
GRNL	CZ	181	329	EP		258	49.45	0.070							1.0
GRNL	CN	181	329	ES		259	8.23	0.020							1.0
GRNL	CN	181	329	IAML		259	13.14		19	0.1					

October 4 2022 Hour: 3:34 37.0 Lat: 35.39N Lon: 9.56W Depth: 32F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	227	21	EP		335	8.04	0.030							1.0
MORF	HE	227	21	ES		335	30.61	-.030							1.0
MORF	HN	227	21	IAML		335	31.99		2	0.1					

October 4 2022 Hour: 5: 8 1.1 Lat: 36.85N Lon: 8.58W Depth: 15F Agency: IGL Regional
Magnitudes: 0.4ML 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	51	353	EP		5 8	9.64	0.040							1.0
MORF	HN	51	353	ES		5 8	15.77	-.040							1.0
MORF	HE	51	353	IAML		5 8	17.09		3	0.2					

October 4 2022 Hour: 5:13 54.6 Lat: 1.81N Lon: 77.28W Depth:130FAgency: IGL Distant
Magnitudes: 4.3Mb IGL Rms: 0.0 secs

COLOMBIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8013	51	EP		525	4.33	-.000							1.0
MORF	BZ	8013	51	IAmb		525	6.13		6	0.9					

October 4 2022 Hour: 6:57 29.3 Lat: 37.31N Lon: 8.61W Depth: 11F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

W MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	4	251	EP		657	31.00	-.220							1.0
MORF	HN	4	251	ES		657	32.68	0.030							1.0
MORF	HN	4	251	IAML		657	33.30		153	0.2					
MESJ	HZ	68	31	EP		657	40.48	0.200							1.0
GRNL	CN	88	3	ES		657	53.63	-.000							1.0
GRNL	CN	88	3	IAML		657	55.83		6	0.1					

October 4 2022 Hour: 15:37 20.1 Lat: 35.44N Lon: 3.61W Depth: 5F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	490	304	EP		1538	25.76	-.050							1.0
MESJ	HN	490	304	ES		1539	13.920	.160							1.0
MESJ	HN	490	304	IAML		1539	20.19			49	0.4				
MORF	HZ	497	296	EP		1538	26.42	-.240							1.0
MORF	HN	497	296	ES		1539	15.270	.040							1.0
MORF	HN	497	296	IAML		1539	22.82			88	0.2				
GRNL	CZ	532	305	EP		1538	30.980	.110							1.0

October 4 2022 Hour: 15:39 31.7 Lat: 35.44N Lon: 3.63W Depth: 11F Agency: IGL Regional
Magnitudes: 4.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	489	304	EP		1540	36.43	-.090							1.0
MORF	HZ	496	296	EP		1540	37.29	-.070							1.0
MORF	HN	496	296	ES		1541	25.340	.020							1.0
MORF	HN	496	296	IAML		1541	32.42			368	0.4				
GRNL	CZ	531	305	EP		1540	41.730	.140							1.0

October 4 2022 Hour: 17:38 25.7 Lat: 35.42N Lon: 3.60W Depth: 7F 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	493	304	EP		1739	31.37	-.070							1.0
GRNL	CZ	534	305	EP		1739	36.43	-.070							1.0
GRNL	CE	534	305	ES		1740	28.320	.140							1.0
GRNL	CN	534	305	IAML		1740	31.00			4	0.2				

October 4 2022 Hour: 19:29 58.9 Lat: 36.52N Lon: 11.26W Depth: 44F 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	248	69	EP		1930	32.500	.010							1.0
MORF	HE	248	69	ES		1930	56.96	-.060							1.0
MORF	HN	248	69	IAML		1930	59.21			16	0.3				
GRNL	CZ	296	53	EP		1930	38.480	.140							1.0
GRNL	CN	296	53	ES		1931	7.04	-.100							1.0
GRNL	CN	296	53	IAML		1931	11.85			11	0.1				
MESJ	HZ	307	61	EP		1930	39.620	.000							1.0

October 4 2022 Hour: 20:45 42.8 Lat: 37.35N Lon: 8.31W Depth: 16F Agency: IGL Regional
Magnitudes: 0.6ML 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	30	260	EP		2045	48.13	-.160							1.0
MORF	HE	30	260	ES		2045	52.420	.110							1.0
MORF	HN	30	260	IAML		2045	53.31			7	0.2				
MESJ	HZ	55	9	EP		2045	51.990	.200							1.0
GRNL	CZ	87	345	EP		2045	56.61	-.010							1.0
GRNL	CN	87	345	ES		2046	6.58	-.140							1.0
GRNL	CN	87	345	IAML		2046	7.77			2	0.1				

October 4 2022 Hour: 23:46 49.9 Lat: 37.04N Lon: 8.84W Depth: 19F Agency: IGL Regional
Magnitudes: 0.4ML 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	34	30	EP		2346	55.81	-.200							1.0
MORF	HE	34	30	ES		2347	0.560	.070							1.0
MORF	HE	34	30	IAML		2347	0.75			4	0.2				
MESJ	HZ	104	32	EP		2347	6.500	.140							1.0

October 5 2022 Hour: 0:20 53.2 Lat: 35.41N Lon: 3.60W Depth: 16F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	493	304	EP		021	58.080	.050							1.0
GRNL	CZ	535	305	EP		022	3.05-	.050							1.0

October 5 2022 Hour: 0:21 28.5 Lat: 38.51N Lon: 45.04E Depth: 15F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

NORTHWESTERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4600	286	EP		029	13.85-	.080							1.0
MESJ	BZ	4600	286	IAmb		029	16.66			67	1.8				
GRNL	BZ	4620	287	EP		029	15.570	.180							1.0
GRNL	BZ	4620	287	IAmb		029	16.40			136	2.2				
MORF	BZ	4655	286	EP		029	17.94-	.100							1.0
MORF	BZ	4655	286	IAmb		029	19.40			46	1.5				

October 5 2022 Hour: 1:44 14.6 Lat: 37.37N Lon: 6.90W Depth: 0 Agency: IGL Regional
Magnitudes: 0.8ML 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	128	294	EP		144	35.350	.060							1.0
MESJ	HE	128	294	ES		144	50.26-	.110							1.0
MESJ	HN	128	294	IAML		144	51.99			2	0.2				
GRNL	CZ	169	300	EPg		144	41.910	.050							1.0

October 5 2022 Hour: 2:42 33.4 Lat: 35.40N Lon: 3.61W Depth: 10F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	494	305	EP		243	38.92-	.030							1.0
MESJ	HE	494	305	ES		244	26.800	.020							1.0
MESJ	HN	494	305	IAML		244	29.19			6	0.3				
GRNL	CZ	535	306	EP		243	44.030	.010							1.0

October 5 2022 Hour: 3:28 15.6 Lat: 59.97N Lon: 152.90W Depth: 120F Agency: IGL Distant
Magnitudes: 4.4Mb IGL Rms: 0.0 secs

SOUTHERN ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	8655	28	EP		339	59.87-	.000							1.0
GRNL	BZ	8655	28	IAmb		340	1.17			9	0.8				
MESJ	BZ	8693	28	EP		340	1.750	.000							1.0
MESJ	BZ	8693	28	IAmb		340	2.08			3	0.7				

October 5 2022 Hour: 4:11 10.2 Lat: 36.09N Lon: 7.97W Depth: 25F 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	148	336	EP		411	31.58-	.160							1.0
MORF	HN	148	336	ES		411	47.550	.070							1.0
MORF	HN	148	336	IAML		411	48.89			3	0.2				
MESJ	HZ	195	353	EP		411	37.660	.070							1.0
MESJ	HE	195	353	ES		411	57.620	.020							1.0
MESJ	HE	195	353	IAML		411	58.61			1	0.1				
GRNL	CZ	230	347	EP		411	41.89-	.020							1.0
GRNL	CE	230	347	ES		412	5.110	.030							1.0
GRNL	CN	230	347	IAML		412	6.55			2	0.1				

October 5 2022 Hour: 8:26 20.6 Lat: 4.80S Lon: 80.47W Depth: 35F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

PERU-ECUADOR BORDER REGION Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8748	49	EP		838	18.920	.060							1.0
GGNV	BZ	8748	49	I Amb		838	21.56			48	1.0				
MORF	BZ	8749	51	EP		838	18.92	-.050							1.0
MORF	BZ	8749	51	I Amb		838	22.30			51	1.0				
MORF	BE	8749	51	ES		848	14.040	.120							1.0
GRNL	BZ	8779	50	EP		838	20.36	-.050							1.0
GRNL	BZ	8779	50	I Amb		838	22.55			86	1.7				
GRNL	BZ	8779	50	EpP		838	31.260	.100							1.0
GRNL	BE	8779	50	ES		848	16.64	-.080							1.0
MESJ	BZ	8801	50	EP		838	21.45	-.050							1.0
MESJ	BZ	8801	50	I Amb		838	23.90			136	2.2				
MESJ	BZ	8801	50	EpP		838	32.310	.060							1.0
MESJ	BE	8801	50	ES		848	18.73	-.100							1.0

October 5 2022 Hour: 10:59 24.3 Lat: 37.14N Lon: 4.01W Depth: 5F 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	380	283	EP		11	0	16.45	-.000						1.0

October 5 2022 Hour: 12:45 38.0 Lat: 35.44N Lon: 3.62W Depth: 12F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	490	304	EP		1246	42.85	-.000							1.0
MORF	HZ	497	296	EP		1246	43.68	-.030							1.0
GRNL	CZ	532	305	EP		1246	47.940	.030							1.0

October 5 2022 Hour: 15:0 50.3 Lat: 36.66N Lon: 9.62W Depth: 21F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	50	EP		15	1	7.68	-.010						1.0
MORF	HE	112	50	ES		15	1	20.390	.010						1.0
MORF	HN	112	50	IAML		15	1	21.86			2	0.1			

October 5 2022 Hour: 16:59 44.6 Lat: 37.31N Lon: 8.57W Depth: 15F 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	7	260	EP		1659	47.08	-.190							1.0
MORF	HE	7	260	ES		1659	49.400	.140							1.0
MORF	HN	7	260	IAML		1659	50.08				8	0.2			
GRNL	CN	88	0	ES		17	0	8.870	.050						1.0
GRNL	CN	88	0	IAML		17	0	9.61			3	0.2			

October 5 2022 Hour: 17:14 28.9 Lat: 38.79N Lon: 7.92W Depth: 7F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

NE ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	94	217	EP		1714	44.200	.080							1.0
GRNL	CN	94	217	ES		1714	55.310	.050							1.0
GRNL	CN	94	217	IAML		1714	57.44				51	0.2			
MESJ	HZ	109	194	EP		1714	46.17	-.100							1.0
MESJ	HN	109	194	ES		1714	59.010	.030							1.0
MESJ	HN	109	194	IAML		1714	59.57				5	0.1			
MORF	HZ	177	202	EP		1714	55.56	-.050							1.0

October 5 2022 Hour: 20:30 32.6 Lat: 35.52N Lon: 3.62W Depth: 13F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	485	303	EP		2031	36.860	.020							1.0
GRNL	CZ	527	305	EP		2031	41.87-	.020							1.0

October 6 2022 Hour: 4:23 54.5 Lat: 37.32N Lon: 8.52W Depth: 10F 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	12	264	EP		423	56.67-	.310							1.0
MORF	HN	12	264	ES		423	58.870	.050							1.0
MORF	HN	12	264	IAML		423	59.66			36	0.1				
MESJ	HZ	64	25	EP		424	5.090	.170							1.0
MESJ	HN	64	25	ES		424	12.650	.100							1.0
MESJ	HN	64	25	IAML		424	13.67			2	0.1				
GRNL	CN	88	357	ES		424	18.900	.000							1.0
GRNL	CN	88	357	IAML		424	20.72			3	0.2				

October 6 2022 Hour: 12:20 39.9 Lat: 35.42N Lon: 3.63W Depth: 17F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	491	305	EP		1221	44.450	.020							1.0
GRNL	CZ	532	306	EP		1221	49.47-	.020							1.0

October 6 2022 Hour: 15:42 31.7 Lat: 35.43N Lon: 3.62W Depth: 15F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	491	304	EP		1543	36.29-	.040							1.0
MORF	HZ	497	296	EP		1543	37.170	.010							1.0
GRNL	CZ	532	305	EP		1543	41.430	.030							1.0

October 6 2022 Hour: 15:56 11.8 Lat: 37.18N Lon: 8.80W Depth: 1F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NW LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	19	44	EP		1556	14.85-	.010							1.0
MORF	HN	19	44	ES		1556	16.94-	.150							1.0
MORF	HN	19	44	IAML		1556	17.82			22	0.2				
MESJ	HN	89	35	ES		1556	36.700	.000							1.0
MESJ	HN	89	35	IAML		1556	38.38			2	0.2				
GRNL	CN	105	11	ES		1556	41.210	.180							1.0
GRNL	CN	105	11	IAML		1556	42.50			5	0.1				

October 6 2022 Hour: 16:36 10.1 Lat: 27.62N Lon: 126.91E Depth: 177F Agency: IGL Distant
Rms: 0.1 secs

NORTHWEST OF RYUKYU ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ11397	325	EP			1649	45.620	.060							1.0
MESJ	BZ11401	325	EP			1649	45.65-	.060							1.0

October 6 2022 Hour: 17:29 46.3 Lat: 37.36N Lon: 8.52W Depth: 15F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	244	EP		1729	49.36-	.220							1.0
MORF	HE	14	244	ES		1729	52.070	.090							1.0
MORF	HN	14	244	IAML		1729	52.53			30	0.2				
GRNL	CN	83	357	ES		1730	9.470	.130							1.0
GRNL	CE	83	357	IAML		1730	10.82			2	0.1				

October 6 2022 Hour: 20:43 12.8 Lat: 61.87N Lon: 147.53W Depth: 43F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

SOUTHERN ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	8325	32	EP		2054	49.110	.090							1.0
GRNL	BZ	8325	32	I Amb		2054	50.06			15	1.0				
GRNL	BZ	8325	32	EpP		2055	2.500	.200							1.0
MESJ	BZ	8363	32	EP		2054	51.070	.060							1.0
MESJ	BZ	8363	32	I Amb		2054	51.74			27	1.5				
MESJ	BZ	8363	32	EpP		2055	4.08	-.210							1.0
MORF	BZ	8407	33	EP		2054	53.380	.040							1.0
MORF	BZ	8407	33	I Amb		2054	55.39			22	1.1				
MORF	BZ	8407	33	EpP		2055	6.45	-.170							1.0

October 7 2022 Hour: 3:20 21.4 Lat: 36.58N Lon: 7.27W Depth: 19F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	147	304	EP		320	43.09	-.260							1.0
MORF	HN	147	304	ES		320	59.370	.020							1.0
MORF	HN	147	304	I AML		321	0.64			7	0.2				
MESJ	HZ	163	329	EP		320	45.430	.100							1.0
MESJ	HN	163	329	ES		321	2.950	.180							1.0
MESJ	HE	163	329	I AML		321	4.53			2	0.1				
GRNL	CZ	205	326	EP		320	50.47	-.030							1.0

October 7 2022 Hour: 21:28 48.5 Lat: 36.37N Lon: 9.89W Depth: 34F 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	152	46	EP		2129	10.06	-.020							1.0
MORF	HN	152	46	ES		2129	25.880	.030							1.0
MORF	HN	152	46	I AML		2129	26.88			10	0.1				
MESJ	HZ	221	42	EP		2129	18.56	-.070							1.0
MESJ	HE	221	42	ES		2129	40.810	.170							1.0
MESJ	HE	221	42	I AML		2129	41.27			2	0.3				
GRNL	CZ	226	31	EP		2129	19.06	-.210							1.0
GRNL	CN	226	31	ES		2129	41.860	.110							1.0
GRNL	CN	226	31	I AML		2129	42.55			7	0.2				

October 7 2022 Hour: 21:37 43.9 Lat: 38.39N Lon: 7.88W Depth: 10F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NE VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	68	206	EP		2137	55.080	.110							1.0
GRNL	CZ	68	243	EP		2137	55.110	.150							1.0
GRNL	CN	68	243	ES		2138	2.86	-.200							1.0
GRNL	CN	68	243	I AML		2138	3.51			5	0.1				
MESJ	HN	68	206	ES		2138	3.01	-.060							1.0
MESJ	HN	68	206	I AML		2138	3.59			12	0.1				

October 8 2022 Hour: 0:27 25.1 Lat: 36.77N Lon: 10.54W Depth: 30F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	178	70	EP		027	49.97	-.070							1.0
MORF	HN	178	70	ES		028	8.290	.060							1.0
MORF	HN	178	70	I AML		028	8.81			9	0.2				
GRNL	CZ	229	49	EP		027	56.350	.020							1.0
GRNL	CN	229	49	ES		028	19.10	-.020							1.0
GRNL	CN	229	49	I AML		028	21.37			6	0.1				
MESJ	HZ	237	59	EP		027	57.22	-.160							1.0
MESJ	HE	237	59	ES		028	21.100	.170							1.0

MESJ HE 237 59 IAML 028 22.22 1 0.1

**October 8 2022 Hour: 18:52 24.4 Lat: 36.87N Lon: 10.88W Depth: 30F 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	203	76	EP		1852	52.31	-.170							1.0
MORF	HN	203	76	ES		1853	13.200	.200							1.0
MORF	HN	203	76	IAML		1853	13.72			5	0.1				
GRNL	CZ	246	55	EP		1852	57.70	-.030							1.0

**October 8 2022 Hour: 22: 2 29.1 Lat: 38.34N Lon: 22.54E Depth: 19F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs**

GREECE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2687	278	EP		22 7	44.01	-.100							1.0
MESJ	BZ	2687	278	IAMB		22 7	47.24			26	0.8				
MESJ	BN	2687	278	ES		2212	2.540	.180							1.0
GRNL	BZ	2711	279	EP		22 7	46.160	.040							1.0
GRNL	BZ	2711	279	IAMB		22 7	49.78			163	1.5				
GRNL	BN	2711	279	ES		2212	5.80	-.120							1.0

**October 9 2022 Hour: 16:38 9.1 Lat: 1.35S Lon: 23.81W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs**

CENTRAL MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4558	19	EP		1645	52.02	-.090							1.0
MORF	BZ	4558	19	EPP		1647	26.410	.150							1.0
MORF	BN	4558	19	ES		1652	5.200	.070							1.0
MORF	BE	4558	19	IAMS_20		1655	12.71			23970	29.2				
MESJ	BZ	4628	19	EP		1645	57.14	-.080							1.0
MESJ	BZ	4628	19	EPP		1647	32.84	-.180							1.0
MESJ	BN	4628	19	ES		1652	14.560	.210							1.0
MESJ	BZ	4628	19	IAMS_20		1658	6.99			24049	35.3				
GRNL	BZ	4643	18	EP		1645	58.23	-.090							1.0
GRNL	BZ	4643	18	EPP		1647	34.29	-.190							1.0
GRNL	BE	4643	18	ES		1652	16.510	.170							1.0
GRNL	BE	4643	18	IAMS_20		1655	51.15			25939	31.3				
GGNV	BN	4686	17	ES		1652	22.020	.030							1.0
GGNV	BE	4686	17	IAMS_20		1656	14.86			30821	30.4				

**October 9 2022 Hour: 23:37 34.9 Lat: 37.33N Lon: 8.56W 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	9	249	EP		2337	37.44	-.170							1.0
MORF	HE	9	249	ES		2337	39.810	.180							1.0
MORF	HN	9	249	IAML		2337	40.54			24	0.2				
GRNL	CE	86	359	ES		2337	58.54	-.020							1.0
GRNL	CE	86	359	IAML		2338	0.65			3	0.2				

**October 10 2022 Hour: 1:57 42.5 Lat: 35.44N Lon: 3.63W Depth: 11F 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	489	304	EP		158	47.540	.140							1.0
MORF	HZ	496	296	EP		158	48.09	-.150							1.0
GRNL	CZ	531	305	EP		158	52.460	.000							1.0

October 10 2022 Hour: 5: 9 52.1 Lat: 37.34N Lon: 8.51W Depth: 11F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	253	EP		5 9	54.80	-.130							1.0
MORF	HE	13	253	ES		5 9	57.140	.130							1.0
MORF	HE	13	253	IAML		5 9	57.95			10	0.1				

October 10 2022 Hour: 7: 8 50.5 Lat: 36.07N Lon: 14.46W Depth: 12F Agency: IGL Regional
Magnitudes: 2.9ML 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	536	73	EP		7 9	57.12	-.010							1.0
GRNL	CZ	570	65	EP		710	1.09	-.120							1.0
GRNL	CN	570	65	ES		710	52.840	.010							1.0
GRNL	CN	570	65	IAML		710	54.62			27	0.2				
MESJ	HZ	589	69	EP		710	3.600	.060							1.0
MESJ	HN	589	69	ES		710	56.910	.050							1.0
MESJ	HN	589	69	IAML		710	59.00			10	0.3				

October 10 2022 Hour: 18:23 56.1 Lat: 36.42N Lon: 7.84W Depth: 19F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	162	348	EP		1824	19.72	-.090							1.0
MESJ	HE	162	348	ES		1824	37.190	.090							1.0
MESJ	HN	162	348	IAML		1824	38.71			1	0.1				

October 10 2022 Hour: 19:31 22.3 Lat: 36.03N Lon: 10.76W Depth: 24F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	235	53	EP		1931	54.790	.020							1.0
MORF	HE	235	53	ES		1932	18.680	.200							1.0
MORF	HN	235	53	IAML		1932	19.28			3	0.1				
GRNL	CN	302	40	ES		1932	32.690	.030							1.0
MESJ	HZ	302	48	EP		1932	2.99	-.070							1.0
GRNL	CZ	302	40	EP		1932	2.78	-.190							1.0
GRNL	CN	302	40	IAML		1932	33.54			2	0.1				

October 10 2022 Hour: 20:32 49.4 Lat: 37.33N Lon: 8.48W Depth: 9F Agency: IGL Regional
Magnitudes: 0.6ML 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	16	260	EP		2032	52.25	-.180							1.0
MORF	HE	16	260	ES		2032	54.760	.150							1.0
MORF	HN	16	260	IAML		2032	54.95			24	0.1				
GRNL	CN	87	355	ES		2033	13.700	.030							1.0
GRNL	CE	87	355	IAML		2033	15.54			2	0.1				

October 10 2022 Hour: 23:23 6.7 Lat: 37.03N Lon: 71.63E Depth: 111F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs

TAJKISTAN Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6832	297	EP		2333	11.48	-.020							1.0
MESJ	BZ	6832	297	IAMB		2333	15.62			20	1.5				
GRNL	BZ	6846	298	EP		2333	12.370	.020							1.0
GRNL	BZ	6846	298	IAMB		2333	13.77			24	1.5				

October 11 2022 Hour: 4:39 27.3 Lat: 36.32N Lon: 8.10W Depth: 23F 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	120	336	EP		439	45.780	.080							1.0
MORF	HE	120	336	ES		439	59.220	.060							1.0
MORF	HE	120	336	IAML		440	0.02		138	0.3					
MESJ	HZ	169	356	EP		439	51.820	.070							1.0
MESJ	HE	169	356	ES		440	9.640	.020							1.0
MESJ	HN	169	356	IAML		440	11.18		27	0.2					
GRNL	CZ	203	348	EP		439	55.90	-.050							1.0
GRNL	CE	203	348	ES		440	16.70	-.190							1.0
GRNL	CN	203	348	IAML		440	16.99		32	0.1					

October 11 2022 Hour: 8:19 55.7 Lat: 36.44N Lon: 8.06W Depth: 30F 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	109	331	EP		820	11.91	-.170							1.0
MESJ	HN	156	355	ES		820	34.190	.200							1.0
MESJ	HN	156	355	IAML		820	35.43		4	0.1					
GRNL	CZ	190	346	EP		820	22.150	.040							1.0
GRNL	CE	190	346	ES		820	41.36	-.060							1.0
GRNL	CN	190	346	IAML		820	42.03		4	0.1					

October 11 2022 Hour: 13:51 37.2 Lat: 14.93S Lon: 167.17E Depth:107F 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	BZ17430	352	EP	KPab		1411	49.10	-.010							1.0
MESJ	BZ17453	351	EP	KPab		1411	49.94	-.100							1.0
MORF	BZ17519	351	EP	KPab		1411	52.750	.110							1.0

October 11 2022 Hour: 15: 5 27.4 Lat: 36.91N Lon: 8.88W Depth: 15F 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	48	25	EP		15 5	35.460	.000							1.0
MORF	HN	48	25	ES		15 5	41.31	-.000							1.0
MORF	HE	48	25	IAML		15 5	42.62		6	0.1					

October 11 2022 Hour: 23:58 20.0 Lat: 35.47N Lon: 3.61W Depth: 20F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	531	305	EP		2359	29.09	-.000							1.0

October 12 2022 Hour: 4:42 54.8 Lat: 36.37N Lon: 7.90W Depth: 18F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	124	327	EP		443	13.91	-.000							1.0
GRNL	CZ	202	343	EP		443	23.670	.070							1.0
GRNL	CN	202	343	ES		443	44.56	-.070							1.0
GRNL	CE	202	343	IAML		443	45.03		2	0.2					

October 12 2022 Hour: 9:34 28.4 Lat: 36.97N Lon: 8.95W Depth: 33F Agency: IGL Regional
Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	45	36	EP		934	36.84	-.000							1.0

October 12 2022 Hour: 11: 3 53.0 Lat: 35.51N Lon: 3.61W Depth: 20F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	495	295	EP		11 4	57.73	-.030							1.0
GRNL	CZ	529	305	EP		11 5	1.860	.030							1.0

October 12 2022 Hour: 12:14 19.3 Lat: 36.34N Lon: 8.04W Depth: 16F 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	120	333	EP		1214	37.95	-.120							1.0
MORF	HN	120	333	ES		1214	51.930	.140							1.0
MORF	HE	120	333	IAML		1214	53.89			8	0.3				
GRNL	CZ	201	347	EP		1214	48.15	-.020							1.0

October 12 2022 Hour: 23:42 58.0 Lat: 35.50N Lon: 3.64W Depth: 6F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	485	304	EP		2344	2.930	.030							1.0
GRNL	CZ	527	305	EP		2344	7.91	-.040							1.0

October 12 2022 Hour: 23:48 51.6 Lat: 37.28N Lon: 8.57W Depth: 10F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	286	EP		2348	53.72	-.050							1.0
MORF	HE	8	286	ES		2348	55.380	.050							1.0
MORF	HE	8	286	IAML		2348	56.18			17	0.1				

October 13 2022 Hour: 11:51 3.8 Lat: 39.20N Lon: 9.36W Depth: 1F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

SW LOURINHA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	139	150	EP		1151	26.02	-.120							1.0
GRNL	CE	139	150	ES		1151	42.560	.110							1.0
GRNL	CN	139	150	IAML		1151	44.47			21	0.2				
MESJ	HZ	181	146	EP		1151	31.580	.010							1.0

October 13 2022 Hour: 16:48 20.0 Lat: 36.95N Lon: 8.73W Depth: 27F 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	40	10	EP		1648	27.44	-.030							1.0
MORF	HN	40	10	ES		1648	32.990	.030							1.0
MORF	HE	40	10	IAML		1648	33.40			11	0.1				

October 13 2022 Hour: 17:55 29.2 Lat: 35.40N Lon: 3.60W Depth: 20F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	494	305	EP		1756	33.88	-.020							1.0
GRNL	CZ	536	306	EP		1756	38.990	.020							1.0

October 13 2022 Hour: 18: 6 20.5 Lat: 35.38N Lon: 3.58W Depth: 17F 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	496	305	EP		18 7	25.820	.130							1.0
GRNL	CZ	538	306	EP		18 7	30.62	-.140							1.0

October 13 2022 Hour: 18:17 49.6 Lat: 35.43N Lon: 3.64W 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	306	EP		1818	59.680	.000							1.0

October 13 2022 Hour: 18:24 28.5 Lat: 35.41N Lon: 3.60W Depth: 19F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	493	304	EP		1825	33.160	.010							1.0
GRNL	CZ	535	305	EP		1825	38.21-	.010							1.0

October 13 2022 Hour: 22:20 17.8 Lat: 4.79S Lon: 153.56E Depth: 71F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.0 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
GGNV	BZ15891	337	EPKP			2239	42.31-	.020							1.0
GGNV	BZ15891	337	IAMs_20			2345	43.79			2141	21.7				
GRNL	BZ15924	336	EPKP			2239	42.86-	.010							1.0
GRNL	BZ15924	336	IAMs_20			2338	56.56			2426	22.6				
MESJ	BZ15934	336	EPKP			2239	43.040	.010							1.0
MESJ	BZ15934	336	IAMs_20			2351	9.23			2352	14.1				
MORF	BZ16005	336	EPKP			2239	44.200	.010							1.0
MORF	BZ16005	336	IAMs_20			2340	28.92			2690	26.6				

October 13 2022 Hour: 22:35 33.8 Lat: 36.71N Lon: 11.11W Depth: 16F 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	228	72	EP		2236	5.89-	.170							1.0
MORF	HN	228	72	ES		2236	29.780	.150							1.0
MORF	HN	228	72	IAML		2236	30.60			5	0.1				
GRNL	CZ	273	55	EP		2236	11.53-	.070							1.0
MESJ	HZ	285	63	EP		2236	13.04-	.060							1.0
MESJ	HE	285	63	ES		2236	41.960	.160							1.0
MESJ	HN	285	63	IAML		2236	44.52			2	0.1				

October 14 2022 Hour: 7: 5 54.4 Lat: 35.52N Lon: 3.65W Depth: 1 Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	483	304	EP		7 6	59.650	.110							1.0
MESJ	HN	483	304	ES		7 7	47.220	.170							1.0
MESJ	HN	483	304	IAML		7 7	49.60			11	0.4				
MORF	HZ	490	295	EP		7 7	0.42-	.060							1.0
GRNL	CZ	524	305	EP		7 7	4.600	.020							1.0
GRNL	CN	524	305	ES		7 7	55.54-	.250							1.0
GRNL	CN	524	305	IAML		7 7	57.25			13	0.4				

October 14 2022 Hour: 8:36 1.2 Lat: 35.48N Lon: 3.61W Depth: 18F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	488	304	EP		837	5.27-	.040							1.0
GRNL	CZ	530	305	EP		837	10.400	.040							1.0

October 14 2022 Hour: 20:41 9.8 Lat: 38.84N Lon: 8.76W Depth: 7F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

SE BENAVENTE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	83	168	EP		2041	23.330	.020							1.0
GRNL	CE	83	168	ES		2041	33.180	.010							1.0
GRNL	CE	83	168	IAML		2041	35.08			9	0.2				
MESJ	HZ	121	157	EP		2041	29.09	-.030							1.0

October 14 2022 Hour: 21:15 8.0 Lat: 35.62N Lon: 8.82W Depth: 41F 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	187	5	EP		2115	34.02	-.110							1.0
MESJ	HZ	252	12	EP		2115	42.150	.040							1.0
GRNL	CZ	277	5	EP		2115	45.280	.080							1.0

October 15 2022 Hour: 1:28 53.2 Lat: 37.15N Lon: 13.89W Depth: 31F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	465	86	EP		129	51.04	-.080							1.0
MORF	HN	465	86	ES		130	33.510	.140							1.0
MORF	HN	465	86	IAML		130	36.42			1	0.1				
GRNL	CZ	481	76	EP		129	53.01	-.060							1.0

October 16 2022 Hour: 2:32 23.5 Lat: 37.42N Lon: 9.05W Depth: 30F Agency: IGL Regional
Magnitudes: 1.3ML 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	38	111	EP		232	30.930	.010							1.0
MORF	HN	38	111	ES		232	36.450	.120							1.0
MORF	HN	38	111	IAML		232	37.39			58	0.3				
MESJ	HZ	87	58	EP		232	36.96	-.110							1.0
MESJ	HE	87	58	ES		232	47.110	.140							1.0
MESJ	HE	87	58	IAML		232	47.39			3	0.2				
GRNL	CZ	87	29	EP		232	37.02	-.080							1.0
GRNL	CN	87	29	ES		232	46.95	-.080							1.0
GRNL	CN	87	29	IAML		232	47.69			11	0.1				

October 16 2022 Hour: 4:45 52.6 Lat: 37.67N Lon: 8.23W Depth: 11F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.2 secs

N OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	19	3	EP		445	56.410	.230							1.0
MESJ	HN	19	3	ES		445	58.65	-.110							1.0
MESJ	HN	19	3	IAML		445	58.77			28	0.1				
GRNL	CZ	57	329	EP		446	1.88	-.120							1.0

October 16 2022 Hour: 5:52 5.9 Lat: 37.35N Lon: 8.32W Depth: 23F Agency: IGL Regional
Magnitudes: 0.8ML 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	30	261	EP		552	11.52	-.090							1.0
MORF	HE	30	261	ES		552	15.840	.050							1.0
MORF	HN	30	261	IAML		552	16.68			17	0.2				
MESJ	HZ	55	9	EP		552	15.320	.170							1.0
MESJ	HE	55	9	ES		552	21.930	.020							1.0
MESJ	HE	55	9	IAML		552	22.56			2	0.1				
GRNL	CZ	87	345	EP		552	19.930	.030							1.0
GRNL	CN	87	345	ES		552	29.96	-.170							1.0
GRNL	CN	87	345	IAML		552	31.16			3	0.1				

October 16 2022 Hour: 7:32 17.6 Lat: 35.45N Lon: 3.64W Depth: 5F 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	488	304	EP		733	23.000	.050							1.0
MORF	HZ	495	296	EP		733	23.65-	.150							1.0
GRNL	CZ	530	305	EP		733	28.120	.100							1.0

October 16 2022 Hour: 9:46 32.6 Lat: 35.43N Lon: 3.61W Depth: 7F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	492	304	EP		947	38.280	.080							1.0
MORF	HZ	498	296	EP		947	38.95-	.090							1.0
GRNL	CZ	533	305	EP		947	43.24-	.020							1.0
GRNL	CN	533	305	ES		948	34.870	.020							1.0
GRNL	CN	533	305	IAML		948	39.97			18	0.3				

October 16 2022 Hour: 12:48 21.9 Lat: 4.35N Lon: 87.64W Depth: 10F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

OFF COAST OF CENTRAL AMERICA Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BN	8718	52	ES		1310	18.650	.030							1.0
GGNV	BN	8718	52	IAMs_20		1321	59.59			13868	16.1				
MORF	BZ	8752	53	EP		13 0	24.260	.020							1.0
MORF	BN	8752	53	ES		1310	21.92-	.110							1.0
MORF	BZ	8752	53	IAMs_20		1325	46.60			14302	34.7				
GRNL	BZ	8764	52	EP		13 0	24.800	.000							1.0
GRNL	BN	8764	52	ES		1310	23.200	.090							1.0
GRNL	BN	8764	52	IAMs_20		1321	57.28			12978	26.5				
MESJ	BZ	8793	52	EP		13 0	26.07-	.170							1.0
MESJ	BN	8793	52	ES		1310	26.030	.120							1.0
MESJ	BZ	8793	52	IAMs_20		1325	40.42			10868	25.0				

October 16 2022 Hour: 12:55 45.6 Lat: 37.77N Lon: 8.80W Depth: 1F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

SE SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	43	28	EP		1255	52.48-	.090							1.0
GRNL	CN	43	28	ES		1255	57.750	.090							1.0
GRNL	CN	43	28	IAML		1255	58.09			23	0.1				
MESJ	HZ	52	81	EP		1255	54.090	.100							1.0
MORF	HZ	53	165	EP		1255	54.02-	.110							1.0
MORF	HN	53	165	ES		1256	0.390	.020							1.0
MORF	HN	53	165	IAML		1256	1.40			8	0.1				

October 16 2022 Hour: 17:44 26.2 Lat: 35.42N Lon: 3.62W Depth: 6F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	491	304	EP		1745	31.870	.030							1.0
GRNL	CZ	533	305	EP		1745	36.88-	.030							1.0

October 16 2022 Hour: 19:50 53.2 Lat: 38.60N Lon: 7.57W Depth: 11F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

SW REDONDO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	102	215	EP		1951	9.470	.110							1.0
MESJ	HE	102	215	ES		1951	21.00-	.130							1.0
MESJ	HE	102	215	IAML		1951	22.50			3	0.2				
GRNL	CZ	103	239	EPg		1951	10.060	.110							1.0
GRNL	CN	103	239	ESg		1951	22.06-	.090							1.0
GRNL	CN	103	239	IAML		1951	23.09			3	0.2				

October 16 2022 Hour: 22:14 1.1 Lat: 36.47N Lon: 9.89W Depth: 29F 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	144	50	EP		2214	21.910	.070							1.0
MORF	HN	144	50	ES		2214	37.070	.050							1.0
MORF	HN	144	50	IAML		2214	38.21			42	0.1				
MESJ	HZ	212	44	EP		2214	30.330	.030							1.0
MESJ	HN	212	44	ES		2214	51.700	.050							1.0
MESJ	HN	212	44	IAML		2214	52.89			9	0.1				
GRNL	CZ	216	32	EP		2214	30.66	-.110							1.0
GRNL	CN	216	32	ES		2214	52.37	-.090							1.0
GRNL	CE	216	32	IAML		2214	53.45			18	0.1				

October 17 2022 Hour: 9:16 52.5 Lat: 35.42N Lon: 3.60W Depth: 19F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	493	304	EP		917	56.91	-.120							1.0
GRNL	CZ	534	305	EP		918	2.220	.130							1.0

October 17 2022 Hour: 12:7 43.8 Lat: 37.36N Lon: 7.76W Depth: 13F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NE S.BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	67	323	EP		12 7	54.59	-.030							1.0
MESJ	HN	67	323	ES		12 8	2.43	-.130							1.0
MESJ	HN	67	323	IAML		12 8	5.90			8	0.1				
MORF	HZ	80	266	EP		12 7	56.510	.010							1.0
MORF	HE	80	266	ES		12 8	5.820	.010							1.0
MORF	HN	80	266	IAML		12 8	7.79			35	0.4				
GRNL	CZ	110	320	EP		12 8	1.200	.140							1.0

October 17 2022 Hour: 13:38 23.4 Lat: 18.44S Lon: 69.11W Depth: 118F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

TARAPACA, CHILE Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8839	45	EP		1350	16.880	.050							1.0
MORF	BZ	8839	45	IAMB		1350	17.64			204	1.6				
GRNL	BZ	8893	44	EP		1350	19.41	-.000							1.0
GRNL	BZ	8893	44	IAMB		1350	21.02			74	1.3				
MESJ	BZ	8903	45	EP		1350	19.85	-.040							1.0
MESJ	BZ	8903	45	IAMB		1350	21.08			35	0.9				

October 18 2022 Hour: 4:17 52.4 Lat: 37.01N Lon: 9.86W Depth: 13F Agency: IGL Regional
Magnitudes: 3.3ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	72	EP		418	10.02	-.060							1.0
MORF	HN	112	72	ES		418	22.95	-.030							1.0
MORF	HN	112	72	IAML		418	25.42			1481	0.3				
GRNL	CZ	167	43	EP		418	17.560	.250							1.0
MESJ	HZ	172	57	EP		418	17.65	-.270							1.0
MESJ	HE	172	57	ESg		418	38.760	.110							1.0
MESJ	HN	172	57	IAML		418	42.08			123	0.3				

October 18 2022 Hour: 15:7 16.8 Lat: 36.67N Lon: 7.24W Depth: 19F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	156	326	EP		15 7	39.75	-.070							1.0
MESJ	HN	156	326	ES		15 7	56.690	.090							1.0
MESJ	HN	156	326	IAML		15 7	56.86			2	0.2				

GRNL CZ 198 324 EP 15 7 45.03-.020 1.0

**October 19 2022 Hour: 6:52 32.3 Lat: 36.69N Lon: 9.54W Depth: 36F 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	105	49	EP		652	48.10	-.030							1.0
MORF	HE	105	49	ES		652	59.700	.020							1.0
MORF	HN	105	49	IAML		653	0.37		54	0.1					
MESJ	HZ	174	42	EP		652	56.58	-.060							1.0
MESJ	HN	174	42	ES		653	14.630	.240							1.0
MESJ	HN	174	42	IAML		653	15.17		5	0.1					
GRNL	CZ	180	28	EP		652	57.18	-.220							1.0
GRNL	CE	180	28	ES		653	15.750	.040							1.0
GRNL	CN	180	28	IAML		653	16.69		21	0.2					

**October 19 2022 Hour: 12:22 52.3 Lat: 35.46N Lon: 3.65W Depth: 2F Agency: IGL Regional
Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	486	304	EP		1223	57.76	-.000							1.0
GRNL	CZ	528	305	EP		1224	2.830	.000							1.0

**October 19 2022 Hour: 15: 3 2.5 Lat: 7.69S Lon: 13.62W Depth: 10F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.1 secs**

ASCENSION ISLAND REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5009	6	EP		1511	18.380	.060							1.0
MORF	BZ	5009	6	IAMB		1511	20.87		447	1.6					
MESJ	BZ	5073	6	EP		1511	22.74	-.080							1.0
MESJ	BZ	5073	6	IAMB		1511	26.50		209	1.9					
GRNL	BZ	5098	6	EP		1511	24.680	.040							1.0
GRNL	BZ	5098	6	IAMB		1511	28.26		566	1.9					
GGNV	BZ	5160	5	EP		1511	28.94	-.020							1.0
GGNV	BZ	5160	5	IAMB		1511	32.33		234	1.1					

**October 19 2022 Hour: 20:22 7.7 Lat: 37.79N Lon: 9.14W Depth: 5F Agency: IGL Regional
Magnitudes: 0.6ML 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	55	EP		2022	17.780	.100							1.0
GRNL	CN	61	55	ES		2022	25.150	.210							1.0
GRNL	CN	61	55	IAML		2022	25.46		2	0.1					
MORF	HZ	69	141	EP		2022	18.70	-.230							1.0
MORF	HN	69	141	ES		2022	27.03	-.070							1.0
MORF	HN	69	141	IAML		2022	27.45		7	0.2					
MESJ	HN	81	86	ES		2022	30.46	-.010							1.0
MESJ	HN	81	86	IAML		2022	31.01		1	0.1					

**October 19 2022 Hour: 21:34 38.8 Lat: 35.39N Lon: 3.63W 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	492	305	EP		2135	45.04	-.110							1.0
MORF	HZ	498	297	EP		2135	45.960	.050							1.0
GRNL	CZ	534	306	EP		2135	50.270	.050							1.0

**October 19 2022 Hour: 22:15 54.5 Lat: 35.40N Lon: 3.59W Depth: 8F Agency: IGL Regional
Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	494	305	EP		2217	0.300	.010							1.0
GRNL	CZ	536	306	EP		2217	5.35	-.010							1.0

October 20 2022 Hour: 7:22 42.5 Lat: 38.44N Lon: 7.97W Depth: 19F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

NE VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	64	235	EP		722	53.000	.020							1.0
MESJ	HZ	70	198	EP		722	53.960	.090							1.0
MESJ	HN	70	198	ES		723	2.09-	.110							1.0
MESJ	HN	70	198	IAML		723	2.52			2	0.1				

October 20 2022 Hour: 11:57 11.8 Lat: 7.67N Lon: 82.34W Depth: 10F Agency: IGL Distant
Magnitudes: 6.6Ms IGL Rms: 0.1 secs

SOUTH OF PANAMA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8029	52	EP		12 8	36.68-	.030							1.0
GGNV	BN	8029	52	ES		1217	59.990	.150							1.0
GGNV	BE	8029	52	IAMs_20		1231	28.78		61991	29.9					
MORF	BZ	8062	53	EP		12 8	38.530	.000							1.0
MORF	BN	8062	53	ES		1218	3.350	.050							1.0
MORF	BE	8062	53	IAMs_20		1231	34.03		51986	36.0					
GRNL	BZ	8075	53	EP		12 8	39.08-	.100							1.0
GRNL	BE	8075	53	ES		1218	4.680	.120							1.0
GRNL	BE	8075	53	IAMs_20		1231	58.60		74918	47.7					
MESJ	BZ	8104	53	EP		12 8	40.63-	.090							1.0
MESJ	BE	8104	53	ES		1218	7.41-	.110							1.0
MESJ	BZ	8104	53	IAMs_20		1231	37.67		53723	34.9					

October 20 2022 Hour: 12: 2 35.3 Lat: 36.63N Lon: 9.69W Depth: 16F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	119	51	EP		12 2	53.92-	.140							1.0
MORF	HN	119	51	ES		12 3	7.830	.100							1.0
MORF	HE	119	51	IAML		12 3	8.31		17	0.1					
MESJ	HN	188	44	ES		12 3	22.550	.200							1.0
MESJ	HN	188	44	IAML		12 3	23.02		3	0.1					
GRNL	CZ	192	31	EP		12 3	2.92-	.160							1.0
GRNL	CN	192	31	ES		12 3	23.340	.010							1.0
GRNL	CN	192	31	IAML		12 3	24.11		10	0.1					

October 20 2022 Hour: 22:49 40.8 Lat: 36.09N Lon: 10.73W Depth: 32F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	229	53	EP		2250	12.200	.110							1.0
MORF	HE	229	53	ES		2250	34.80-	.110							1.0
MORF	HN	229	53	IAML		2250	36.36		66	0.2					
GRNL	CZ	295	40	EP		2250	20.07-	.130							1.0
GRNL	CN	295	40	ES		2250	49.100	.150							1.0
GRNL	CN	295	40	IAML		2250	50.68		57	0.2					
MESJ	HZ	296	48	EP		2250	20.21-	.120							1.0
MESJ	HE	296	48	ES		2250	49.280	.100							1.0
MESJ	HN	296	48	IAML		2250	50.01		13	0.2					

October 21 2022 Hour: 1:20 1.3 Lat: 37.32N Lon: 8.60W Depth: 10F Agency: IGL Regional
Magnitudes: 0.8ML 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	5	253	EP		120	2.88-	.250							1.0
MORF	HN	5	253	ES		120	4.760	.270							1.0
MORF	HN	5	253	IAML		120	5.71		38	0.1					
MESJ	HZ	67	30	EP		120	12.230	.020							1.0
MESJ	HN	67	30	ES		120	20.16-	.040							1.0
MESJ	HN	67	30	IAML		120	21.87		5	0.2					

GRNL CZ	88	2	EP	120	15.430	0.070											1.0
GRNL CN	88	2	ES	120	25.57	-.080											1.0
GRNL CN	88	2	IAML	120	26.15				5	0.1							

October 21 2022 Hour: 3:23 57.1 Lat: 36.50N Lon: 11.24W Depth: 28F 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		248	68	EP		324	30.910	.050							1.0
MORF HN		248	68	ES		324	55.30	-.180							1.0
MORF HN		248	68	IAML		324	57.45		58	0.2					
GRNL CZ		297	52	EP		324	37.010	0.090							1.0
GRNL CN		297	52	ES		325	6.040	0.070							1.0
GRNL CE		297	52	IAML		325	7.53		29	0.1					
MESJ HZ		307	60	EP		324	38.17	-.030							1.0
MESJ HN		307	60	ES		325	8.17	-.000							1.0
MESJ HN		307	60	IAML		325	9.64		7	0.1					

October 21 2022 Hour: 3:35 15.4 Lat: 37.47N Lon: 8.75W Depth: 19F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

SW ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		20	155	EP		335	19.63	-.180							1.0
MORF HE		20	155	ES		335	22.99	-.050							1.0
MORF HE		20	155	IAML		335	23.69		152	0.1					
MESJ HZ		62	48	EP		335	25.710	0.100							1.0
MESJ HE		62	48	ES		335	33.180	0.110							1.0
MESJ HN		62	48	IAML		335	33.78		17	0.2					
GRNL CZ		73	12	EP		335	27.290	0.100							1.0
GRNL CE		73	12	ES		335	35.74	-.060							1.0
GRNL CN		73	12	IAML		335	36.27		94	0.1					

October 21 2022 Hour: 12:45 59.5 Lat: 35.24N Lon: 4.07W Depth: 3F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		471	309	EP		1247	3.110	0.100							1.0
MORF HZ		471	300	EP		1247	3.10	-.030							1.0
GRNL CZ		513	310	EP		1247	8.06	-.080							1.0

October 22 2022 Hour: 12:48 41.9 Lat: 37.21N Lon: 8.36W Depth: 19F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		28	293	EP		1248	47.13	-.130							1.0
MORF HN		28	293	ES		1248	51.270	0.080							1.0
MORF HN		28	293	IAML		1248	51.69		17	0.1					
GRNL CN		102	350	ES		1249	9.800	0.050							1.0
GRNL CN		102	350	IAML		1249	10.92		5	0.1					

October 22 2022 Hour: 19:20 30.8 Lat: 35.30N Lon: 4.09W Depth: 1 Agency: IGL Regional
Magnitudes: 1.8ML 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
GRNL CZ		507	309	EP		1921	38.91	-.000							1.0

October 22 2022 Hour: 20:17 35.2 Lat: 37.70N Lon: 8.16W Depth: 14F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

W CASTRO VERDE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		16	342	EP		2017	38.800	0.150							1.0
MESJ HN		16	342	ES		2017	41.10	-.050							1.0
MESJ HN		16	342	IAML		2017	41.24		11	0.1					
GRNL CZ		57	322	EP		2017	44.48	-.140							1.0

GRNL CN 57 322 ES 2017 51.520.040 1.0
 GRNL CN 57 322 IAML 2017 52.29 3 0.1

October 23 2022 Hour: 6: 5 26.4 Lat: 36.92N Lon: 8.85W Depth: 27F 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	46	22	EP		6	5	34.58							1.0
MORF	HN	46	22	ES		6	5	40.970							1.0
MORF	HN	46	22	IAML		6	5	41.73		6	0.1				

October 23 2022 Hour: 9:59 5.0 Lat: 37.33N Lon: 8.55W Depth: 6F 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	9	250	EP		959	6	6.62							1.0
MORF	HE	9	250	ES		959	8	3.60							1.0
MORF	HE	9	250	IAML		959	8	8.91		93	0.2				
MESJ	HZ	63	28	EP		959	15	2.90							1.0
GRNL	CZ	86	359	EP		959	18	9.40							1.0
GRNL	CN	86	359	ES		959	28	9.8							1.0
GRNL	CN	86	359	IAML		959	29	2.3		10	0.2				

October 23 2022 Hour: 14:39 55.2 Lat: 37.36N Lon: 16.47W Depth: 19F Agency: IGL Regional
Magnitudes: 3.1ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	692	88	EP		1441	21	0.2							1.0
GRNL	CZ	701	81	EP		1441	22	0.50							1.0
GRNL	CN	701	81	ES		1442	25	3.8							1.0
GRNL	CN	701	81	IAML		1442	28	9.9		19	0.3				

October 24 2022 Hour: 3:50 36.7 Lat: 38.64N Lon: 7.89W Depth: 8F Agency: IGL Regional
Magnitudes: 1.0ML 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	83	225	EP		350	50	3.00							1.0
GRNL	CN	83	225	ES		351	0	0.50							1.0
GRNL	CN	83	225	IAML		351	1	1.15		3	0.1				
MESJ	HN	93	198	ES		351	2	5.0							1.0
MESJ	HN	93	198	IAML		351	3	9.5		5	0.1				
MORF	HZ	162	204	EP		351	1	4.9							1.0

October 24 2022 Hour: 5: 4 42.6 Lat: 7.48S Lon: 76.27W Depth:126F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs
NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	8621	48	EP		516	24	2.4							1.0
GRNL	BZ	8621	48	IAMB		516	25	7.8		24	1.0				

October 24 2022 Hour: 7:50 57.4 Lat: 15.18S Lon: 173.20W Depth: 10F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs
TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ17076	28	EP	KPab		811	8	2.40							1.0
GRNL	BZ17076	28	IAMS	_20		913	0	8.9		5723	31.7				
MESJ	BZ17118	28	EP	KPab		811	9	6.1							1.0
MESJ	BZ17118	28	IAMS	_20		913	26	9.6		2927	15.9				

October 24 2022 Hour: 10:47 39.0 Lat: 36.97N Lon: 8.78W Depth: 5F 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	39	17	EP		1047	45.30	-.060							1.0
MORF	HN	39	17	ES		1047	49.88	-.150							1.0
MORF	HE	39	17	IAML		1047	50.99		10	0.1					
MESJ	HZ	109	27	EP		1047	56.750	.210							1.0
GRNL	CE	128	8	ES		1048	14.410	.010							1.0
GRNL	CN	128	8	IAML		1048	15.84		9	0.2					

October 24 2022 Hour: 11:35 56.8 Lat: 36.34N Lon: 9.78W Depth: 6F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	147	43	EP		1136	20.020	.040							1.0
MORF	HE	147	43	ES		1136	37.050	.180							1.0
MORF	HN	147	43	IAML		1136	38.73		18	0.1					
MESJ	HZ	217	39	EP		1136	28.610	.000							1.0
MESJ	HN	217	39	ES		1136	51.860	.060							1.0
MESJ	HN	217	39	IAML		1136	53.50		5	0.2					
GRNL	CZ	224	28	EP		1136	29.24	-.240							1.0
GRNL	CN	224	28	ES		1136	53.25	-.060							1.0
GRNL	CE	224	28	IAML		1136	55.14		12	0.2					

October 24 2022 Hour: 22:19 25.2 Lat: 36.59N Lon: 9.80W 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	129	52	EP		2219	45.590	.100							1.0
MESJ	HZ	197	45	EP		2219	53.81	-.090							1.0
GRNL	CZ	201	32	EP		2219	54.16	-.180							1.0
GRNL	CE	201	32	ES		2220	15.750	.160							1.0
GRNL	CN	201	32	IAML		2220	17.26		1	0.1					

October 25 2022 Hour: 0:13 3.5 Lat: 58.72S Lon: 26.19W Depth: 93F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

SOUTH SANDWICH ISLANDS REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10747	14	EP			026	22.510	.050							1.0
MORF	BZ10747	14	EpP			026	48.34	-.020							1.0
MORF	BZ10747	14	IAMs_20		1 0	38.80			3536	25.6					
MESJ	BZ10812	14	EP			026	25.130	.130							1.0
MESJ	BZ10812	14	EpP			026	50.80	-.130							1.0
MESJ	BZ10812	14	IAMs_20		059	53.84			3206	22.7					
GRNL	BZ10836	14	EpP			026	51.87	-.030							1.0
GRNL	BZ10836	14	IAMs_20		1 0	45.85			4655	34.5					

October 25 2022 Hour: 8:13 47.6 Lat: 36.62N Lon: 4.60W Depth: 80F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	349	294	EP		814	33.31	-.020							1.0
MESJ	HE	349	294	ES		815	6.69	-.010							1.0
MESJ	HN	349	294	IAML		815	9.24		14	0.3					
MORF	HZ	369	283	EP		814	35.750	.010							1.0
GRNL	CZ	389	296	EP		814	37.93	-.080							1.0
GRNL	CN	389	296	ES		815	14.900	.100							1.0
GRNL	CE	389	296	IAML		815	17.41		8	0.2					

October 25 2022 Hour: 14:59 1.7 Lat: 17.66N Lon: 120.81E Depth: 14F Agency: IGL Distant
Magnitudes: 6.6Ms IGL Rms: 0.1 secs

LUZON, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11900	320		EPdif		1513	17.080	.170							0.9
MESJ	BZ11900	320		EPP		1517	43.120	.030							1.0
MESJ	BN11900	320		IAMs_20		1558	26.32		14804	27.4					
GGNV	BE11900	321		IAMs_20		1558	19.94		46939	30.7					
MESJ	BN11900	320		ESS		1532	50.49	-.010							1.0
GGNV	BZ11900	321		EPdif		1513	16.88	-.010							1.0
GGNV	BZ11900	321		EPP		1517	43.120	.040							1.0
GRNL	BZ11905	320		EPdif		1513	16.98	-.110							1.0
GRNL	BZ11905	320		EPP		1517	43.37	-.020							1.0
GRNL	BN11905	320		ESS		1532	51.130	.070							1.0
GRNL	BE11905	320		IAMs_20		1557	43.53		18588	22.5					
MORF	BZ11967	320		EPdif		1513	19.58	-.070							1.0
MORF	BZ11967	320		EPP		1517	47.51	-.070							1.0
MORF	BN11967	320		IAMs_20		1558	29.43		28481	32.0					

October 25 2022 Hour: 15:58 45.3 Lat: 38.99N Lon: 9.96W Depth: 8F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

NW SINTRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HE	77	113	ES		1559	6.920	.050							1.0
GGNV	HE	77	113	IAML		1559	7.93		199	0.3					
GRNL	CZ	156	129	EP		1559	9.25	-.090							1.0
GRNL	CE	156	129	ES		1559	26.900	.040							1.0
GRNL	CN	156	129	IAML		1559	28.11		12	0.1					

October 26 2022 Hour: 0:17 44.5 Lat: 35.28N Lon: 4.08W Depth: 3F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	510	309	EP		018	52.72	-.000							1.0

October 26 2022 Hour: 8:3 4.8 Lat: 38.52N Lon: 7.84W Depth: 5F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

SE EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	78	234	EP		8 3	17.620	.110							1.0
GRNL	CE	78	234	ES		8 3	26.940	.180							1.0
GRNL	CN	78	234	IAML		8 3	29.76		19	0.1					
MESJ	HZ	83	204	EP		8 3	18.13	-.090							1.0
MESJ	HE	83	204	ES		8 3	27.79	-.200							1.0
MESJ	HN	83	204	IAML		8 3	29.95		9	0.1					

October 27 2022 Hour: 13:32 24.5 Lat: 37.26N Lon: 8.35W Depth: 18F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.2 secs

NE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	27	280	EP		1332	29.44	-.240							1.0
MORF	HN	27	280	ES		1332	33.550	.050							1.0
MORF	HN	27	280	IAML		1332	34.01		58	0.1					
MESJ	HZ	65	10	EP		1332	35.330	.270							1.0
MESJ	HN	65	10	ES		1332	42.800	.000							1.0
MESJ	HN	65	10	IAML		1332	44.51		23	0.1					
GRNL	CZ	96	348	EP		1332	39.61	-.080							1.0

October 28 2022 Hour: 0:239.2 Lat: 34.91N Lon: 3.79W Depth: 1 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	556	311	EP		0 3	53.150	.000							1.0

October 28 2022 Hour: 8:15 1.9 Lat: 36.83N Lon: 11.06W Depth: 26F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	262	57	EP		815	37.43	-.130							1.0
GRNL	CN	262	57	ES		816	3.700	.130							1.0
GRNL	CE	262	57	IAML		816	4.23			2	0.1				

October 28 2022 Hour: 9:11 54.5 Lat: 14.56S Lon: 76.26W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

NEAR COAST OF CENTRAL PERU Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9099	48	EP		924	13.60	-.090							1.0
MORF	BZ	9099	48	IAMB		924	15.32			26	1.0				
GRNL	BZ	9144	47	EP		924	15.820	.090							1.0
GRNL	BZ	9144	47	IAMB		924	16.32			53	1.5				

October 28 2022 Hour: 20:22 7.8 Lat: 14.51S Lon: 76.11W Depth: 10F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

NEAR COAST OF CENTRAL PERU Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9083	48	EP		2034	26.16	-.070							1.0
MORF	BZ	9083	48	IAMS_20		2114	5.77			5522	23.0				
GGNV	BZ	9112	47	IAMS_20		21 6	38.72			10811	15.8				
GRNL	BZ	9128	47	EP		2034	28.370	.090							1.0
GRNL	BZ	9128	47	IAMS_20		21 5	50.58			6364	21.7				
MESJ	BZ	9143	48	EP		2034	28.98	-.020							1.0
MESJ	BZ	9143	48	IAMS_20		21 5	55.30			5493	27.8				

October 28 2022 Hour: 22:8 44.3 Lat: 37.31N Lon: 8.55W Depth: 17F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 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	269	EP		22 8	47.43	-.010							1.0
MORF	HE	9	269	ES		22 8	49.760	.010							1.0
MORF	HN	9	269	IAML		22 8	50.20			10	0.0				

October 28 2022 Hour: 22:52 18.0 Lat: 14.57S Lon: 76.16W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

NEAR COAST OF CENTRAL PERU Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9137	47	EP		23 4	38.77	-.150							1.0
GRNL	BZ	9137	47	IAMB		23 4	39.33			53	1.8				
MESJ	BZ	9152	48	EP		23 4	39.690	.050							1.0
MESJ	BZ	9152	48	IAMB		23 4	43.15			21	1.0				

October 29 2022 Hour: 0:9 49.3 Lat: 14.41S Lon: 76.15W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

NEAR COAST OF CENTRAL PERU Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9079	48	EP		022	7.700	.100							1.0
MORF	BZ	9079	48	IAMS_20		053	8.52			2783	17.7				
GRNL	BZ	9124	47	EP		022	9.690	.050							1.0
GRNL	BZ	9124	47	IAMS_20		054	13.79			3986	18.4				
MESJ	BZ	9139	48	EP		022	10.21	-.160							1.0
MESJ	BZ	9139	48	IAMS_20		053	35.10			3559	26.0				

October 29 2022 Hour: 17:19 14.7 Lat: 33.97N Lon: 14.30W Depth: 10F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	631	53	EP		1720	32.83	-.060							1.0
GRNL	CZ	691	47	EP		1720	39.99	-.170							1.0
GRNL	CE	691	47	ES		1721	42.81	0.240							1.0
GRNL	CN	691	47	IAML		1721	44.96			4	0.1				

October 29 2022 Hour: 19: 6 1.2 Lat: 7.03S Lon: 150.01E Depth: 40F Agency: IGL Distant
Rms: 0.0 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ15971	331	EP	KPdf		1925	30.89	0.030							1.0
MESJ	BZ15976	330	EP	KPdf		1925	30.91	-.030							1.0

October 29 2022 Hour: 20:45 35.7 Lat: 14.39S Lon: 75.97W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

NEAR COAST OF CENTRAL PERU Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9063	48	EP		2057	53.19	-.030							1.0
GRNL	BZ	9108	47	EP		2057	55.28	-.000							1.0
GRNL	BZ	9108	47	I Amb		2057	57.04			50	1.4				
MESJ	BZ	9123	48	EP		2057	56.04	0.040							1.0
MESJ	BZ	9123	48	I Amb		2057	57.74			34	1.3				

October 30 2022 Hour: 4:52 28.0 Lat: 37.33N Lon: 8.52W 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	12	258	EP		452	30.42	-.090							1.0
MORF	HN	12	258	ES		452	32.56	0.210							1.0
MORF	HE	12	258	IAML		452	33.00			33	0.1				
GRNL	CN	87	357	ES		452	51.99	-.130							1.0
GRNL	CN	87	357	IAML		452	52.34			3	0.2				

October 30 2022 Hour: 7:16 16.9 Lat: 36.27N Lon: 9.86W Depth: 32F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	157	43	ES		716	55.35	-.160							1.0
MORF	HN	157	43	IAML		716	56.38			4	0.1				
MESJ	HZ	227	39	EP		716	48.08	0.210							1.0
GRNL	CZ	234	29	EP		716	48.68	-.040							1.0

October 30 2022 Hour: 10:27 12.0 Lat: 36.11N Lon: 7.98W Depth: 30F 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	145	336	EP		1027	32.89	-.020							1.0
MESJ	HZ	193	354	EP		1027	38.95	0.160							1.0
GRNL	CZ	228	347	EP		1027	42.95	-.150							1.0

October 30 2022 Hour: 19:20 11.9 Lat: 36.37N Lon: 9.72W Depth: 37F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	141	42	EP		1920	32.22	0.020							1.0
MORF	HN	141	42	ES		1920	47.16	0.130							1.0
MORF	HE	141	42	IAML		1920	47.98			29	0.1				
MESJ	HZ	211	39	EP		1920	40.86	0.020							1.0
MESJ	HN	211	39	ES		1921	1.89	-.090							1.0
MESJ	HN	211	39	IAML		1921	3.56			5	0.2				

GRNL CZ	219	28	EP	1920	41.63	-.160													1.0
GRNL CE	219	28	ES	1921	3.690	.070													1.0
GRNL CN	219	28	IAML	1921	4.83					10	0.1								

October 31 2022 Hour: 1:16 20.9 Lat: 35.86N Lon: 10.21W Depth: 32F 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	213	40	EP			116	50.320	.200							1.0
GRNL CZ	290	30	EP			116	59.54	-.070							1.0
GRNL CN	290	30	ES			117	27.72	-.150							1.0
GRNL CN	290	30	IAML			117	28.90			2	0.1				

October 31 2022 Hour: 13:22 43.9 Lat: 2.42S Lon: 76.22W Depth:144F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

PERU-ECUADOR BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ	8217	50	EP			1334	2.960	.040							1.0
MORF BZ	8217	50	IAmb			1334	6.49			98	1.0				
GRNL BZ	8249	49	EP			1334	4.530	.020							1.0
GRNL BZ	8249	49	IAmb			1334	5.91			56	0.9				
MESJ BZ	8270	50	EP			1334	5.58	-.060							1.0
MESJ BZ	8270	50	IAmb			1334	8.22			14	0.6				

October 31 2022 Hour: 16:1 26.7 Lat: 35.50N Lon: 3.66W Depth: 1F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	483	304	EP			16	2	31.80	-.050						1.0
GRNL CZ	525	305	EP			16	2	36.950	.050						1.0

October 31 2022 Hour: 21:42 50.7 Lat: 39.94N Lon: 15.54E Depth:269F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

SOUTHERN ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ BZ	2068	271	EP			2146	48.46	-.120							1.0
MESJ BZ	2068	271	IAmb			2146	51.14			380	1.4				
MESJ BE	2068	271	ES			2150	7.020	.060							1.0
GRNL BZ	2091	272	EP			2146	50.790	.020							1.0
GRNL BZ	2091	272	IAmb			2146	54.98			199	0.9				
GRNL BN	2091	272	ES			2150	11.130	.180							1.0
MORF BZ	2120	270	EP			2146	53.51	-.120							1.0
MORF BZ	2120	270	IAmb			2146	57.56			67	0.9				
MORF BN	2120	270	ES			2150	16.16	-.010							1.0
GGNV BZ	2126	274	EP			2146	54.04	-.080							1.0
GGNV BZ	2126	274	IAmb			2146	57.56			302	1.3				
GGNV BN	2126	274	ES			2150	17.140	.070							1.0