

# Seismological Bulletin

from the

UNIVERSITY OF LISBON  
FACULTY OF SCIENCE

## IDL Seismic Network

March to April

2022

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

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

IDL.UL.PT

## STATIONS USED

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

Lisboa (IGIDL)  
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	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

March 1 2022 Hour: 18: 4 20.9 Lat: 38.75N Lon: 8.53W Depth: 14F Agency: IGL Regional  
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NW VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	71	183	EP		18	4	32.29	-	.090					1.0
GRNL	CE	71	183	ES		18	4	40.850	.090						1.0
GRNL	CE	71	183	IAML		18	4	41.43			1	0.1			

March 1 2022 Hour: 18:19 35.6 Lat: 35.47N Lon: 3.67W 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	484	304	EP		1820		39.440	.020						1.0
GRNL	CZ	526	305	EP		1820		44.46	-	.020					1.0

March 1 2022 Hour: 19:35 47.9 Lat: 16.31N Lon: 96.39W Depth: 49F Agency: IGL Distant  
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8741	54	EP		1947		44.28	-	.140					1.0
MORF	BZ	8741	54	IAMB		1947		47.51			41	1.4			
MESJ	BZ	8766	54	EP		1947		45.750	.140						1.0
MESJ	BZ	8766	54	IAMB		1947		55.37			259	2.6			

March 2 2022 Hour: 3:13 53.2 Lat: 36.43N Lon: 7.97W Depth: 31F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	115	328	EP		314		9.35	-	.100					1.0
MORF	HN	115	328	ES		314		21.440	.110						1.0
MORF	HE	115	328	IAML		314		22.31			15	0.1			
MESJ	HZ	158	352	EP		314		14.79	-	.020					1.0
GRNL	CZ	194	344	EP		314		19.280	.040						1.0
GRNL	CN	194	344	ES		314		38.25	-	.020					1.0
GRNL	CN	194	344	IAML		314		38.95			7	0.2			

March 2 2022 Hour: 4:41 8.3 Lat: 0.46S Lon: 19.79W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

CENTRAL MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4337	14	EP		448		35.040	.210						1.0
MORF	BZ	4337	14	IAMB		448		36.18			32	1.1			
MESJ	BZ	4406	14	EP		448		40.370	.460						1.0
MESJ	BZ	4406	14	IAMB		448		42.15			38	1.0			

March 2 2022 Hour: 10: 2 6.5 Lat: 35.65N Lon: 9.96W Depth: 31F 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	218	32	EP		10	2	35.45	-	.140					1.0
MORF	HE	218	32	ES		10	2	56.970	.140						1.0
MORF	HE	218	32	IAML		10	2	57.36			18	0.2			
MESJ	HZ	288	32	EP		10	2	44.27	-	.060					1.0
GRNL	CN	300	24	ES		10	3	14.420	.060						1.0
GRNL	CN	300	24	IAML		10	3	16.50			6	0.2			

March 2 2022 Hour: 12:44 36.4 Lat: 35.17N Lon: 3.92W Depth: 4F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	486	309	EP		1245		41.59	-	0.03					1.0
MORF	HZ	487	300	EP		1245		41.75	-	0.02					1.0
GRNL	CZ	528	309	EP		1245		46.81	0.06						1.0

**March 2 2022 Hour: 12:52 9.6 Lat: 30.06S Lon: 177.77W Depth: 36F Agency: IGL Distant**  
**Magnitudes: 6.8Ms IGL Rms: 0.1 secs**

**KERMADEC ISLANDS, NEW ZEALAND Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	18602	44	EPK	Pdf	1312	11.100	.060							1.0
GGNV	BZ	18602	44	EPK	Pab	1313	15.70-	.330							0.8
GGNV	BZ	18602	44	EPP		1317	4.56-	.030							1.0
GGNV	BN	18602	44	ESS		1337	48.63-	.040							1.0
GGNV	BZ	18602	44	IAMs	_20	1435	6.97		15149	17.7					
GRNL	BZ	18684	45	EPK	Pdf	1312	11.640	.050							1.0
GRNL	BZ	18684	45	EPK	Pab	1313	19.450	.120							1.0
GRNL	BZ	18684	45	EPP		1317	8.460	.100							1.0
GRNL	BN	18684	45	ESS		1337	56.04-	.050							1.0
GRNL	BZ	18684	45	IAMs	_20	1427	55.31		10943	24.7					
MESJ	BZ	18727	45	EPK	Pdf	1312	11.990	.120							1.0
MESJ	BZ	18727	45	EPK	Pab	1313	21.060	.030							1.0
MESJ	BZ	18727	45	EPP		1317	10.32-	.000							1.0
MESJ	BN	18727	45	ESS		1338	0.010	.070							1.0
MESJ	BZ	18727	45	IAMs	_20	1424	21.06		13716	26.3					
MORF	BZ	18732	49	EPK	Pdf	1312	11.90-	.060							1.0
MORF	BZ	18732	49	EPP		1317	10.55-	.070							1.0
MORF	BN	18732	49	ESS		1338	0.42-	.080							1.0
MORF	BZ	18732	49	IAMs	_20	1431	23.76		13063	11.0					

**March 2 2022 Hour: 15:27 46.7 Lat: 37.94N Lon: 6.60W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.1 secs**

**SPAIN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	143	266	EP		1528	9.48-	.210							1.0
MESJ	HN	143	266	ES		1528	26.570	.100							1.0
MESJ	HN	143	266	IAML		1528	27.25		5	0.1					
GRNL	CZ	174	277	EP		1528	13.860	.120							1.0

**March 2 2022 Hour: 16:45 40.2 Lat: 36.38N Lon: 8.93W Depth: 12F 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	106	13	EP		1645	56.83-	.080							1.0
MORF	HE	106	13	ES		1646	9.230	.140							1.0
MORF	HN	106	13	IAML		1646	11.73		38	0.2					
MESJ	HZ	174	21	EP		1646	6.04-	.010							1.0
MESJ	HE	174	21	ES		1646	24.84-	.060							1.0
MESJ	HE	174	21	IAML		1646	31.77		7	0.0					

**March 2 2022 Hour: 20:7 41.2 Lat: 0.17N Lon: 16.98W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.1Mb IGL Rms: 0.1 secs**

**NORTH ASCENSION ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4201	11	EP		2014	57.30-	.140							1.0
MORF	BZ	4201	11	IAMB		2014	58.25		30	1.0					
MESJ	BZ	4268	11	EP		2015	2.560	.100							1.0
MESJ	BZ	4268	11	IAMB		2015	4.34		83	1.5					
GRNL	BZ	4290	11	EP		2015	4.130	.040							1.0
GRNL	BZ	4290	11	IAMB		2015	5.84		42	1.0					

**March 2 2022 Hour: 23:5 16.9 Lat: 36.71N Lon: 7.23W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.2 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	143	298	EP		23 5	39.61-	.290							1.0
MORF	HN	143	298	ES		23 5	56.890	.210							1.0
MORF	HN	143	298	IAML		23 6	0.00		163	0.2					
MESJ	HZ	153	325	EP		23 5	41.29-	.100							1.0

MESJ HN	153	325	ES	23	5	59.410.160												1.0
MESJ HN	153	325	IAML	23	6	2.18			47	0.1								
GRNL CZ	195	323	EP	23	5	46.650.020												1.0

**March 3 2022 Hour: 6:5 15.1 Lat: 38.32N Lon: 8.12W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 0.2ML IGL Rms: 0.1 secs**

**W VIANA DO ALENTEJO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL CZ		46	239	EP		6	5	22.43-.070							1.0
GRNL CN		46	239	ES		6	5	27.960.070							1.0
GRNL CN		46	239	IAML		6	5	28.14		2	0.2				

**March 3 2022 Hour: 13:58 46.6 Lat: 37.28N Lon: 8.57W Depth: 6F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.2 secs**

**SW MONCHIQUÉ, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		8	290	EP		1358	48.00-.270								1.0
MORF HN		8	290	ES		1358	49.590.120								1.0
MORF HN		8	290	IAML		1358	50.00		383	0.1					
MESJ HZ		69	26	EP		1358	58.020.160								1.0

**March 3 2022 Hour: 14:40 34.0 Lat: 18.26N Lon: 95.36W Depth:123F Agency: IGL Distant**  
**Magnitudes: 5.7Mb IGL Rms: 0.0 secs**

**VERACRUZ, MEXICO Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ		8526	55	EP		1452	11.40-.000								1.0
MORF BZ		8526	55	I Amb		1452	12.97			193	1.1				
MESJ BZ		8550	54	EP		1452	12.560.000								1.0
MESJ BZ		8550	54	I Amb		1452	13.28			145	1.3				

**March 3 2022 Hour: 19:17 48.0 Lat: 17.02S Lon: 70.18W Depth:165F Agency: IGL Distant**  
**Magnitudes: 5.1Mb IGL Rms: 0.0 secs**

**SOUTHERN PERU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ		8809	46	EP		1929	34.640.040								1.0
MORF BZ		8809	46	I Amb		1929	35.80			48	0.9				
GRNL BZ		8861	45	EP		1929	37.090.020								1.0
GRNL BZ		8861	45	I Amb		1929	38.59			22	0.7				
MESJ BZ		8872	45	EP		1929	37.55-.060								1.0
MESJ BZ		8872	45	I Amb		1929	39.23			42	1.1				

**March 4 2022 Hour: 4:20 10.6 Lat: 36.06N Lon: 8.45W Depth: 32F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		139	353	EP		420	30.54-.150								1.0
MORF HE		139	353	ES		420	45.24-.100								1.0
MORF HE		139	353	IAML		420	45.84			24	0.2				
MESJ HZ		199	6	EP		420	38.180.160								1.0
MESJ HN		199	6	ES		420	58.160.130								1.0
MESJ HN		199	6	IAML		420	59.10			4	0.2				
GRNL CZ		228	357	EP		420	41.630.020								1.0
GRNL CN		228	357	ES		421	4.20-.050								1.0
GRNL CN		228	357	IAML		421	5.13			7	0.1				

**March 4 2022 Hour: 5:47 42.7 Lat: 37.35N Lon: 8.55W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL Rms: 0.0 secs**

**NE MONCHIQUÉ, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		10	241	EP		547	45.36-.020								1.0
MORF HE		10	241	ES		547	47.320.020								1.0
MORF HE		10	241	IAML		547	47.81			31	0.1				

**March 4 2022 Hour: 6:38 15.0 Lat: 36.56N Lon: 9.70W Depth: 41F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	48	EP		638	33.31	-.020							1.0
MORF	HE	125	48	ES		638	46.84	0.120							1.0
MORF	HN	125	48	IAML		638	47.21			17	0.1				
MESJ	HZ	193	42	EP		638	41.78	-.040							1.0
MESJ	HN	193	42	ES		639	1.52	0.120							1.0
MESJ	HE	193	42	IAML		639	3.40			5	0.2				
GRNL	CZ	199	30	EP		638	42.33	-.160							1.0
GRNL	CE	199	30	ES		639	2.52	-.040							1.0
GRNL	CE	199	30	IAML		639	3.83			13	0.1				

**March 4 2022 Hour: 7:27 34.7 Lat: 36.14N Lon: 16.05W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 2.8ML IGL Rms: 0.1 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	673	77	EP		729	0.92	-.110							1.0
MORF	HN	673	77	ES		730	3.98	-.090							1.0
MORF	HN	673	77	IAML		730	6.42			11	0.3				
GRNL	CZ	699	70	EP		729	4.17	0.040							1.0
MESJ	HZ	722	73	EP		729	6.93	0.170							1.0

**March 4 2022 Hour: 20:26 36.2 Lat: 38.53N Lon: 8.06W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 1.5ML 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	65	224	EP		2026	46.98	0.220							1.0
GRNL	CN	65	224	ES		2026	54.39	-.050							1.0
GRNL	CN	65	224	IAML		2026	55.09			24	0.1				
MESJ	HZ	78	190	EP		2026	48.93	0.050							1.0
MESJ	HN	78	190	ES		2026	58.03	-.080							1.0
MESJ	HN	78	190	IAML		2026	58.97			15	0.1				
MORF	HZ	146	201	EP		2026	58.75	-.150							1.0

**March 4 2022 Hour: 21:17 52.0 Lat: 38.62N Lon: 15.62E Depth:165F Agency: IGL Distant**  
**Magnitudes: 4.6Mb IGL Rms: 0.1 secs**  
**SICILY, ITALY Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2083	275	EP		2121	58.11	-.100							1.0
GRNL	BZ	2109	276	EP		2122	0.78	0.100							1.0
GRNL	BZ	2109	276	IAMB		2122	1.51			25	0.9				

**March 5 2022 Hour: 1:10 6.6 Lat: 22.47S Lon: 66.07W Depth:247F Agency: IGL Distant**  
**Magnitudes: 5.3Mb IGL Rms: 0.0 secs**  
**JUJUY, ARGENTINA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8938	43	EP		121	50.48	-.010							1.0
MORF	BZ	8938	43	IAMB		121	51.20			90	1.1				
GRNL	BZ	8999	42	EP		121	53.28	-.010							1.0
GRNL	BZ	8999	42	IAMB		121	53.62			34	0.8				
GGNV	BZ	9001	42	EP		121	53.36	0.020							1.0
GGNV	BZ	9001	42	IAMB		121	54.11			63	0.7				
MESJ	BZ	9005	43	EP		121	53.60	0.010							1.0
MESJ	BZ	9005	43	IAMB		121	54.70			63	0.8				

**March 5 2022 Hour: 7:45 28.4 Lat: 10.56S Lon: 74.12W Depth:134F Agency: IGL Distant**  
**Magnitudes: 5.1Mb IGL Rms: 0.1 secs**  
**CENTRAL PERU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	8674	47	EP		757	11.88	0.140							1.0
GRNL	BZ	8674	47	I Amb		757	14.11			95	2.0				
MESJ	BZ	8690	48	EP		757	12.42	-0.140							1.0
MESJ	BZ	8690	48	I Amb		757	13.55			32	1.4				

**March 5 2022 Hour: 17:27 1.2 Lat: 36.94N Lon: 9.01W Depth: 28F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.2 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	51	38	EP		1727	10.54	0.35							1.0
MORF	HN	51	38	ES		1727	16.81	0.04							1.0
MORF	HN	51	38	I AML		1727	18.53			13	0.1				
MESJ	HZ	122	35	EP		1727	19.28	0.02							1.0
GRNL	CZ	135	17	EP		1727	20.52	-0.41							1.0
GRNL	CN	135	17	ES		1727	35.34	-0.02							1.0
GRNL	CE	135	17	I AML		1727	36.35			0.80	0.1				

**March 5 2022 Hour: 19:44 31.2 Lat: 36.42N Lon: 7.81W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 0.2 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	124	323	EP		1944	48.39	-0.20							1.0
MESJ	HZ	162	347	EP		1944	53.48	0.19							1.0
GRNL	CZ	199	340	EP		1944	57.96	0.03							1.0

**March 5 2022 Hour: 19:44 35.4 Lat: 36.39N Lon: 7.80W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	127	323	EP		1944	53.10	-0.080							1.0
MESJ	HZ	165	347	EP		1944	57.87	-0.040							1.0
GRNL	CZ	203	341	EP		1945	2.630	0.090							1.0
GRNL	CE	203	341	ES		1945	22.410	0.030							1.0
GRNL	CE	203	341	I AML		1945	24.24			11	0.1				

**March 6 2022 Hour: 3:29 20.8 Lat: 16.97N Lon: 95.08W Depth: 98F Agency: IGL Distant**  
**Magnitudes: 5.7Mb IGL Rms: 0.1 secs**  
**OAXACA, MEXICO Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8511	53	EP		341	0.350	0.160							1.0
GGNV	BZ	8511	53	I Amb		341	1.34			247	1.0				
GRNL	BZ	8574	54	EP		341	3.38	-0.010							1.0
GRNL	BZ	8574	54	I Amb		341	4.83			120	1.3				
MORF	BZ	8585	55	EP		341	3.97	-0.020							1.0
MORF	BZ	8585	55	I Amb		341	5.22			189	1.5				
MESJ	BZ	8610	54	EP		341	5.08	-0.130							1.0
MESJ	BZ	8610	54	I Amb		341	6.97			162	1.5				

**March 6 2022 Hour: 9:35 7.4 Lat: 28.57S Lon: 68.83W Depth:118F Agency: IGL Distant**  
**Magnitudes: 5.4Mb IGL Rms: 0.0 secs**  
**LA RIOJA, ARGENTINA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9617	44	EP		947	36.79	-0.030							1.0
MORF	BZ	9617	44	I Amb		947	39.59			81	1.2				
GRNL	BZ	9681	43	EP		947	39.520	0.030							1.0
GRNL	BZ	9681	43	I Amb		947	42.82			38	1.0				

March 6 2022 Hour: 16:36 6.0 Lat: 35.41N Lon: 3.65W Depth: 16F 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	305	EP		1637	10.480	.070							1.0
GRNL	CZ	531	306	EP		1637	15.41-	-.070							1.0

March 7 2022 Hour: 5:34 18.8 Lat: 20.38S Lon: 178.43W Depth: 582F Agency: IGL Distant  
Rms: 0.3 secs

**FIGI REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17750	25	EP	KP	df	553	11.150	.450							1.0
GGNV	BZ17750	25	EP	K	Pab	553	53.07-	-.250							1.0
GGNV	BZ17750	25	Ep	K	P	df	555	26.730	.120						1.0
GRNL	BZ17834	24	EP	K	P	df	553	11.910	.350						1.0
GRNL	BZ17834	24	EP	K	Pab	553	56.09-	-.560							0.9
GRNL	BZ17834	24	Ep	K	P	df	555	27.580	.070						1.0
MESJ	BZ17875	24	EP	K	P	df	553	12.310	.330						1.0
MESJ	BZ17875	24	EP	K	Pab	553	57.79-	-.490							1.0
MESJ	BZ17875	24	Ep	K	P	df	555	28.010	.070						1.0
MORF	BZ17908	26	EP	K	P	df	553	12.600	.250						1.0
MORF	BZ17908	26	EP	K	Pab	553	59.20-	-.440							1.0
MORF	BZ17908	26	Ep	K	P	df	555	28.350	.020						1.0

March 7 2022 Hour: 5:49 10.4 Lat: 36.47N Lon: 11.21W Depth: 23F Agency: IGL Regional  
Magnitudes: 1.7ML IGL Rms: 0.0 secs

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	246	67	EP		549	44.540	.010							1.0
MORF	HN	246	67	ES		550	9.44-	-.010							1.0
MORF	HE	246	67	IAML		550	10.04		4	0.1					
GRNL	CZ	296	51	EP		549	50.68-	-.080							1.0
GRNL	CN	296	51	ES		550	20.220	.000							1.0
GRNL	CN	296	51	IAML		550	21.86		4	0.1					
MESJ	HZ	306	59	EP		549	52.030	.080							1.0

March 7 2022 Hour: 18:13 10.8 Lat: 2.75N Lon: 125.75E Depth: 57F Agency: IGL Distant  
Rms: 0.1 secs

**KEPULAUAN SANGIHE, INDONESIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13506	318	EP	K	P	1831	57.430	.160							1.0
GRNL	BZ13516	319	EP	K	P	1831	57.26-	-.160							1.0

March 8 2022 Hour: 0:48 30.3 Lat: 36.84N Lon: 8.41W Depth: 4F 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	56	337	EP		048	39.17-	.220							1.0
MORF	HN	56	337	ES		048	46.040	.050							1.0
MORF	HN	56	337	IAML		048	48.47		41	0.0					
MESJ	HE	112	9	ES		049	1.67-	-.010							1.0
MESJ	HN	112	9	IAML		049	4.11		7	0.2					
GRNL	CZ	141	354	EP		048	53.010	.110							1.0
GRNL	CN	141	354	ES		049	9.440	.080							1.0
GRNL	CN	141	354	IAML		049	10.59		12	0.2					

March 8 2022 Hour: 2:30 29.0 Lat: 36.42N Lon: 8.13W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	109	335	EP		230	46.400	.200							1.0
MESJ	HZ	158	357	EP		230	52.56-	-.040							1.0
MESJ	HN	158	357	ES		231	9.910	.100							1.0



MESJ HE	158	357	IAML	231	10.64				1	0.1									
GRNL CZ	191	348	EP	230	56.61	-.160													1.0
GRNL CN	191	348	ES	231	16.91	-.110													1.0
GRNL CN	191	348	IAML	231	17.38				2	0.1									

**March 8 2022 Hour: 3:34 22.1 Lat: 37.58N Lon: 8.43W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL Rms: 0.1 secs**

**E ODEMIRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	34	33	EP			334	28.130	.240							1.0
MORF HZ	36	213	EP			334	28.19	-.040							1.0
MORF HE	36	213	ES			334	32.57	-.120							1.0
MORF HE	36	213	IAML			334	32.79		6	0.1					
GRNL CZ	60	348	EP			334	31.88	-.040							1.0
GRNL CN	60	348	ES			334	39.04	-.040							1.0
GRNL CN	60	348	IAML			334	39.69		5	0.1					

**March 8 2022 Hour: 4:37 56.5 Lat: 36.92N Lon: 8.61W Depth: 25F Agency: IGL Regional**  
**Magnitudes: 0.6ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	43	355	EP			438	4.420	.140							1.0
MESJ HN	108	19	ES			438	25.200	.060							1.0
MESJ HN	108	19	IAML			438	27.03		1	0.1					
GRNL CZ	132	2	EP			438	15.83	-.240							1.0
GRNL CN	132	2	ES			438	30.350	.020							1.0
GRNL CN	132	2	IAML			438	31.19		1	0.1					

**March 8 2022 Hour: 4:52 18.5 Lat: 38.48N Lon: 9.00W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.1 secs**

**NE SESIMBRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL CZ	56	137	EP			452	27.40	-.090							1.0
GRNL CN	56	137	ES			452	34.090	.020							1.0
GRNL CN	56	137	IAML			452	34.91		9	0.2					
MESJ HZ	99	136	EP			452	34.460	.080							1.0

**March 8 2022 Hour: 7:53 41.4 Lat: 35.49N Lon: 3.67W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 3.2ML 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	483	304	EP			754	45.78	-.080							1.0
GRNL CZ	525	305	EP			754	50.90	-.010							1.0
GRNL CN	525	305	ES			755	41.760	.090							1.0
GRNL CN	525	305	IAML			755	43.71		39	0.3					

**March 8 2022 Hour: 8:22 24.9 Lat: 35.58N Lon: 3.57W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 0.0ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	485	302	EP			823	28.81	-.040							1.0
GRNL CZ	527	304	EP			823	33.910	.040							1.0

**March 8 2022 Hour: 11:13 52.5 Lat: 36.38N Lon: 11.38W Depth: 39F 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	264	66	EP			1114	28.05	-.020							1.0
MORF HE	264	66	ES			1114	53.85	-.200							1.0
MORF HN	264	66	IAML			1114	56.18		70	0.3					
GRNL CZ	315	52	EP			1114	34.330	.030							1.0
GRNL CN	315	52	ES			1115	4.900	.080							1.0
GRNL CN	315	52	IAML			1115	7.44		68	0.2					
MESJ HZ	324	59	EP			1114	35.46	-.010							1.0

MESJ HN 324 59 ES 1115 6.970.120 1.0  
 MESJ HN 324 59 IAML 1115 7.59 11 0.2

**March 9 2022 Hour: 3:48 43.1 Lat: 37.35N Lon: 8.02W Depth: 0 Agency: IGL Regional  
 Magnitudes: 0.5ML IGL Rms: 0.0 secs**

**SE ALMODOVAR, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	57	342	EP		348	52.320	.040							1.0
MESJ	HN	57	342	ES		348	58.96-	.040							1.0
MESJ	HE	57	342	IAML		349	0.18			3	0.4				

**March 9 2022 Hour: 11: 2 45.8 Lat: 37.89N Lon: 9.49W Depth: 27F Agency: IGL Regional  
 Magnitudes: 1.7ML IGL Rms: 0.0 secs**

**W SINES, PORTUGAL**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	84	73	EP		11	2	59.340	.050						1.0
GRNL	CN	84	73	ES		11	3	9.14-	.000						1.0
GRNL	CN	84	73	IAML		11	3	10.78			11	0.1			
MORF	HZ	98	131	EP		11	3	1.04-	.030						1.0
MORF	HE	98	131	ES		11	3	12.21-	.010						1.0
MORF	HN	98	131	IAML		11	3	13.57			27	0.2			

**March 9 2022 Hour: 18:48 12.2 Lat: 37.31N Lon: 8.56W Depth: 9F Agency: IGL Regional  
 Magnitudes: 1.1ML IGL Rms: 0.1 secs**

**SW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	266	EP		1848	14.20-	.070							1.0
MORF	HE	8	266	ES		1848	15.880	.120							1.0
MORF	HN	8	266	IAML		1848	16.36				96	0.1			
GRNL	CN	89	359	ES		1848	36.86-	.050							1.0
GRNL	CN	89	359	IAML		1848	37.46				5	0.1			

**March 9 2022 Hour: 21:31 17.5 Lat: 36.58N Lon: 9.65W Depth: 18F Agency: IGL Regional  
 Magnitudes: 1.1ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	120	48	EP		2131	36.170	.030							1.0
MORF	HN	120	48	ES		2131	49.67-	.070							1.0
MORF	HN	120	48	IAML		2131	50.75				3	0.1			
GRNL	CN	195	29	ES		2132	5.820	.040							1.0
GRNL	CN	195	29	IAML		2132	7.74				2	0.2			

**March 10 2022 Hour: 5:59 12.4 Lat: 37.28N Lon: 8.58W Depth: 11F Agency: IGL Regional  
 Magnitudes: 0.7ML IGL Rms: 0.0 secs**

**SW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	293	EP		559	14.56-	.010							1.0
MORF	HE	7	293	ES		559	16.170	.010							1.0
MORF	HE	7	293	IAML		559	16.29				39	0.1			

**March 10 2022 Hour: 15:11 19.9 Lat: 38.42N Lon: 7.92W Depth: 14F Agency: IGL Regional  
 Magnitudes: 0.9ML IGL Rms: 0.1 secs**

**NE VIANA DO ALENTEJO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	67	239	EP		1511	30.760	.050							1.0
GRNL	CN	67	239	ES		1511	38.36-	.200							1.0
GRNL	CE	67	239	IAML		1511	39.35				8	0.1			
MESJ	HZ	70	202	EP		1511	31.260	.080							1.0
MESJ	HN	70	202	ES		1511	39.450	.070							1.0
MESJ	HE	70	202	IAML		1511	40.00				3	0.2			

**March 11 2022 Hour: 0:37 51.0 Lat: 38.89N Lon: 9.35W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**  
**SW MAFRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	26	138	EP		037	55.18	-.040							1.0
GGNV	HE	26	138	ES		037	58.450	.170							1.0
GGNV	HE	26	138	IAML		037	59.54		307	0.3					
GRNL	CZ	110	142	EP		038	8.75	-.060							1.0
GRNL	CN	110	142	ES		038	21.850	.050							1.0
GRNL	CN	110	142	IAML		038	24.51		26	0.3					
MESJ	HZ	153	139	EP		038	15.25	-.050							0.9
MESJ	HE	153	139	ES		038	32.93	-.090							0.9
MESJ	HE	153	139	IAML		038	35.18		7	0.1					

**March 11 2022 Hour: 9:17 24.9 Lat: 36.95N Lon: 10.81W Depth: 0 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	196	78	EP		917	54.68	-.030							1.0
MORF	HN	196	78	ES		918	16.640	.170							1.0
MORF	HN	196	78	IAML		918	18.66		14	0.1					
GRNL	CZ	236	56	EP		917	59.55	-.150							1.0

**March 11 2022 Hour: 18:39 48.2 Lat: 35.50N Lon: 3.67W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	482	304	EP		1840	53.38	-.010							1.0
MESJ	HE	482	304	ES		1841	41.030	.020							1.0
MESJ	HE	482	304	IAML		1841	43.38		7	0.3					
MORF	HZ	490	296	EP		1840	54.09	-.210							1.0
GRNL	CZ	524	305	EP		1840	58.470	.020							1.0
GRNL	CE	524	305	ES		1841	49.940	.190							1.0
GRNL	CE	524	305	IAML		1841	52.03		18	0.5					

**March 11 2022 Hour: 21:35 13.5 Lat: 35.49N Lon: 3.67W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	483	304	EP		2136	17.540	.000							1.0

**March 12 2022 Hour: 0:59 25.8 Lat: 36.59N Lon: 9.82W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	131	52	EP		059	46.04	-.110							1.0
MORF	HN	131	52	ES		1 0	1.180	.190							1.0
MORF	HN	131	52	IAML		1 0	2.01		8	0.1					
GRNL	CZ	202	33	EP		059	54.83	-.090							1.0

**March 12 2022 Hour: 1:57 57.9 Lat: 34.98N Lon: 3.90W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	543	311	EP		159	9.72	-.000							1.0

**March 12 2022 Hour: 11:28 42.2 Lat: 38.12N Lon: 9.27W Depth: 28F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.1 secs**  
**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CN	62	91	ES		1129	0.230	.180							1.0
GRNL	CN	62	91	IAML		1129	0.58		14	0.1					
MESJ	HZ	97	108	EP		1128	57.00	-.210							1.0

MESJ HE 97 108 ES 1129 8.220.030 1.0  
 MESJ HN 97 108 IAML 1129 9.19 4 0.2

**March 12 2022 Hour: 20:54 56.1 Lat: 36.72N Lon: 7.30W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	137	299	ES		2055	31.63	-.060							1.0
MORF	HE	137	299	IAML		2055	32.12		14	0.2					
MESJ	HZ	149	327	EP		2055	18.140	.010							1.0
MESJ	HN	149	327	ES		2055	34.18	-.010							1.0
MESJ	HN	149	327	IAML		2055	35.46		3	0.2					
GRNL	CN	191	324	ES		2055	43.280	.070							1.0
GRNL	CE	191	324	IAML		2055	46.28		3	0.1					

**March 12 2022 Hour: 21:22 36.2 Lat: 36.55N Lon: 7.54W 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	130	311	EP		2122	54.84	-.210							1.0
MORF	HN	130	311	ES		2123	8.80	-.040							1.0
MORF	HE	130	311	IAML		2123	10.15		45	0.1					
MESJ	HZ	155	337	EP		2122	58.360	.170							1.0
MESJ	HN	155	337	ES		2123	14.340	.060							1.0
MESJ	HE	155	337	IAML		2123	15.60		4	0.1					
GRNL	CZ	196	333	EP		2123	3.240	.060							1.0
GRNL	CN	196	333	ES		2123	22.88	-.030							1.0
GRNL	CN	196	333	IAML		2123	23.48		11	0.1					

**March 13 2022 Hour: 17:11 4.2 Lat: 36.66N Lon: 11.21W Depth: 30F 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	239	72	EP		1711	36.61	-.040							1.0
MORF	HE	239	72	ES		1712	0.34	-.020							1.0
MORF	HN	239	72	IAML		1712	3.90		11	0.2					
GRNL	CZ	284	55	EP		1711	42.280	.060							1.0

**March 13 2022 Hour: 20: 8 2.1 Lat: 36.26N Lon: 5.85W Depth: 60F Agency: IGL Regional**  
**Magnitudes: 3.6ML IGL Rms: 0.2 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	275	310	EP		20 8	38.83	-.020							1.0
MESJ	HN	275	310	ES		20 9	5.680	.030							1.0
MESJ	HN	275	310	IAML		20 9	7.36		194	0.1					
MORF	HZ	276	296	EP		20 8	38.75	-.310							1.0
MORF	HN	276	296	ES		20 9	5.90	-.120							1.0
MORF	HN	276	296	IAML		20 9	9.23		541	0.2					
GRNL	CZ	317	311	EP		20 8	44.100	.100							1.0
GRNL	CN	317	311	ES		20 9	14.900	.340							1.0
GRNL	CN	317	311	IAML		20 9	16.95		189	0.1					

**March 13 2022 Hour: 20:28 17.9 Lat: 36.44N Lon: 7.28W Depth: 31F 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	176	332	EP		2028	41.78	-.040							1.0
MESJ	HN	176	332	ES		2028	59.320	.040							1.0
MESJ	HE	176	332	IAML		2029	1.12		1	0.1					

March 13 2022 Hour: 20:46 17.4 Lat: 36.76N Lon: 9.66W Depth: 21F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	108	56	EP		2046	34.19	-.110							1.0
MORF	HN	108	56	ES		2046	46.760	.110							1.0
MORF	HN	108	56	IAML		2046	47.66			3	0.1				

March 13 2022 Hour: 21: 5 49.6 Lat: 14.09N Lon: 119.37E Depth: 11F Agency: IGL Distant  
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	BZ12100	319	EPdif			2120	13.19	-.020							1.0
MESJ	BZ12100	319	EPP			2124	44.510	.000							1.0
GRNL	BZ12107	319	EPdif			2120	13.47	-.020							1.0
GRNL	BZ12107	319	EPP			2124	44.95	-.030							1.0
GGNV	BZ12108	320	EPdif			2120	13.660	.150							1.0
GGNV	BZ12108	320	EPP			2124	45.00	-.010							1.0
MORF	BZ12166	318	EPdif			2120	15.89	-.000							1.0
MORF	BZ12166	318	EPP			2124	48.80	-.060							1.0

March 13 2022 Hour: 21: 9 22.1 Lat: 0.59S Lon: 98.62E Depth: 20F Agency: IGL Distant  
Rms: 0.0 secs

KEPULAUAN BATU, INDONESIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ11561	309	EPdif			2123	22.710	.030							1.0
GRNL	BZ11561	309	EPP			2127	39.75	-.030							1.0
GGNV	BZ11598	310	EPdif			2123	24.160	.000							1.0

March 14 2022 Hour: 1: 6 38.1 Lat: 36.45N Lon: 9.41W Depth: 30F 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	116	35	EP		1 6	55.480	.040							1.0
MORF	HN	116	35	ES		1 7	8.03	-.040							1.0
MORF	HE	116	35	IAML		1 7	9.48			1	0.2				

March 14 2022 Hour: 2:46 15.3 Lat: 36.62N Lon: 9.73W 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	122	51	EP		246	34.09	-.120							1.0
MORF	HN	122	51	ES		246	48.100	.060							1.0
MORF	HE	122	51	IAML		246	48.93			3	0.1				
GRNL	CN	195	32	ES		247	3.550	.060							1.0
GRNL	CE	195	32	IAML		247	4.75			1.00	0.1				

March 14 2022 Hour: 6:31 59.9 Lat: 36.54N Lon: 6.95W Depth: 31F 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	174	300	ES		632	40.850	.040							1.0
MORF	HE	174	300	IAML		632	41.91			6	0.1				
MESJ	HZ	183	322	EP		632	24.58	-.090							1.0
MESJ	HN	183	322	ES		632	42.870	.120							1.0
MESJ	HN	183	322	IAML		632	44.66			4	0.2				
GRNL	CZ	226	321	EP		632	29.88	-.070							1.0

March 14 2022 Hour: 15:59 44.1 Lat: 36.72N Lon: 7.63W Depth: 24F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	135	337	EP		16 0	4.02	-.040							1.0
MESJ	HN	135	337	ES		16 0	18.670	.040							1.0
MESJ	HE	135	337	IAML		16 0	19.41			1.00	0.1				

March 14 2022 Hour: 17:53 43.7 Lat: 35.83N Lon: 7.39W Depth: 30F Agency: IGL Regional  
Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	235	342	EP		1754	15.760	.010							1.0
GRNL	CZ	274	338	EP		1754	20.55	-.010							1.0

March 14 2022 Hour: 21:20 26.6 Lat: 35.74N Lon: 4.64W Depth: 96F 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	395	307	EP		2121	17.870	.030							1.0
MORF	HZ	399	297	EP		2121	18.17	-.140							1.0
GRNL	CZ	438	308	EP		2121	22.900	.110							1.0

March 15 2022 Hour: 6:57 39.5 Lat: 37.35N Lon: 9.19W Depth: 18F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.0 secs

W ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	48	96	EP		657	47.59	-.020							1.0
MORF	HN	48	96	ES		657	53.540	.020							1.0
MORF	HN	48	96	IAML		657	54.65			5	0.1				

March 16 2022 Hour: 13:35 23.6 Lat: 35.67N Lon: 75.04E Depth: 14F Agency: IGL Distant  
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

NORTHWESTERN KASHMIR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7174	299	EP		1346	0.10	-.000							1.0
MESJ	BZ	7174	299	IAMB		1346	2.44			20	1.1				

March 16 2022 Hour: 14:36 33.4 Lat: 37.70N Lon: 141.59E Depth: 63F Agency: IGL Distant  
Rms: 0.1 secs

NEAR COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11043	337	EPP			1454	12.040	.140							1.0
GRNL	BZ11085	337	EPdif			1450	9.75	-.220							0.9
GRNL	BZ11085	337	EPP			1454	14.940	.150							1.0
GRNL	BN11085	337	ESS			15 8	32.270	.010							1.0
MESJ	BZ11100	336	EPdif			1450	10.52	-.060							1.0
MESJ	BZ11100	336	EPP			1454	15.920	.100							1.0
MESJ	BE11100	336	ESS			15 8	34.180	.020							1.0
MORF	BZ11170	336	EPdif			1450	13.26	-.150							1.0

March 16 2022 Hour: 16:54 52.0 Lat: 37.21N Lon: 9.54W Depth: 21F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	79	82	EP		1655	4.930	.030							1.0
GRNL	CZ	131	40	EP		1655	11.62	-.200							1.0
GRNL	CN	131	40	ES		1655	26.430	.170							1.0
GRNL	CN	131	40	IAML		1655	28.60			3	0.1				

March 16 2022 Hour: 20:38 42.6 Lat: 35.49N Lon: 3.67W 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	483	304	EP		2039	47.63	-.040							1.0
GRNL	CZ	525	305	EP		2039	52.760	.040							1.0

March 16 2022 Hour: 23:15 44.9 Lat: 27.02N Lon: 54.63E Depth: 10F Agency: IGL Distant  
Magnitudes: 5.7Mb 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
MESJ	BZ	5924	298	EP		2325	3.56	-.130							1.0
MESJ	BZ	5924	298	IAmb		2325	5.29			216	1.6				
MESJ	BN	5924	298	ES		2332	35.820	.000							1.0
GRNL	BZ	5950	299	EP		2325	5.570	.160							1.0
GRNL	BZ	5950	299	IAmb		2325	7.21			142	1.2				
GRNL	BN	5950	299	ES		2332	39.130	.120							1.0
MORF	BZ	5970	298	EP		2325	6.65	-.150							1.0
MORF	BZ	5970	298	IAmb		2325	7.56			69	1.1				

March 17 2022 Hour: 3:51 19.7 Lat: 35.43N Lon: 3.65W 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	488	304	EP		352	24.430	.000							1.0

March 17 2022 Hour: 17:38 14.0 Lat: 36.67N Lon: 9.69W Depth: 20F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	52	EP		1738	31.87	-.120							1.0
MORF	HN	116	52	ES		1738	45.350	.230							1.0
MORF	HN	116	52	IAML		1738	46.49			4	0.1				
GRNL	CE	188	32	ES		1739	0.38	-.120							1.0
GRNL	CN	188	32	IAML		1739	1.17			2	0.0				

March 18 2022 Hour: 3: 2 45.8 Lat: 37.08N Lon: 8.14W Depth: 23F Agency: IGL Regional  
Magnitudes: 0.2ML IGL Rms: 0.0 secs

**E ALBUFEIRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	85	355	EP		3 2	59.36	-.000							1.0
MESJ	HN	85	355	ES		3 3	9.280	.000							1.0
MESJ	HE	85	355	IAML		3 3	9.73			0.70	0.1				

March 19 2022 Hour: 3:31 54.3 Lat: 37.34N Lon: 8.53W Depth: 12F Agency: IGL Regional  
Magnitudes: 2.3ML IGL Rms: 0.2 secs

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	250	EP		331	56.78	-.290							1.0
MORF	HE	12	250	ES		331	59.130	.050							1.0
MORF	HN	12	250	IAML		331	59.96			2170	0.1				
MESJ	HZ	62	26	EP		332	4.440	.080							1.0
MESJ	HN	62	26	ES		332	11.790	.100							1.0
MESJ	HN	62	26	IAML		332	14.80			58	0.1				
GRNL	CZ	85	358	EP		332	8.080	.160							1.0
GRNL	CN	85	358	ES		332	17.74	-.110							1.0
GRNL	CE	85	358	IAML		332	19.63			120	0.1				

March 19 2022 Hour: 9:59 28.5 Lat: 36.87N Lon: 5.21E Depth: 2F Agency: IGL Distant  
Rms: 0.1 secs

**NORTHERN ALGERIA Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	1194	279	EP		10 2	3.19	-.060							1.0
GRNL	BZ	1225	281	EP		10 2	7.180	.060							1.0

March 19 2022 Hour: 10:20 52.9 Lat: 35.57N Lon: 4.71W Depth: 32F 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	402	310	EP		1021	45.53	-.020							1.0
GRNL	CZ	445	310	EP		1021	50.710	.020							1.0

March 19 2022 Hour: 12:11 13.1 Lat: 36.52N Lon: 11.48W Depth: 17F 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	267	70	EP		1211	50.080	.050							1.0
MORF	HN	267	70	ES		1212	16.91	-.080							1.0
MORF	HN	267	70	IAML		1212	17.59			11	0.2				
GRNL	CZ	312	55	EP		1211	55.810	.120							1.0
MESJ	HZ	324	62	EP		1211	57.15	-.030							1.0
MESJ	HE	324	62	ES		1212	29.31	-.060							1.0
MESJ	HN	324	62	IAML		1212	31.49			3	0.1				

March 19 2022 Hour: 19:10 21.2 Lat: 36.36N Lon: 9.90W Depth: 32F Agency: IGL Regional  
Magnitudes: 1.7ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	153	46	EP		1910	43.000	.060							1.0
MORF	HE	153	46	ES		1910	58.830	.000							1.0
MORF	HN	153	46	IAML		1910	59.53			15	0.2				
MESJ	HZ	222	42	EP		1910	51.560	.070							1.0
MESJ	HE	222	42	ES		1911	13.670	.050							1.0
MESJ	HE	222	42	IAML		1911	14.41			2	0.1				
GRNL	CZ	227	31	EP		1910	51.87	-.260							1.0
GRNL	CE	227	31	ES		1911	14.800	.070							1.0
GRNL	CN	227	31	IAML		1911	15.40			8	0.1				

March 19 2022 Hour: 21:24 21.4 Lat: 25.33S Lon: 176.21W Depth: 21F Agency: IGL Distant  
Magnitudes: 6.6Ms IGL Rms: 0.1 secs

**SOUTH OF FIJI ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	18106	36	EPKp $\bar{d}$ f		2144	21.160	.010							1.0
GGNV	BZ	18106	36	IAMs_20		2254	9.61			8987	21.7				
GRNL	BZ	18190	36	EPKp $\bar{d}$ f		2144	21.920	.020							1.0
GRNL	BZ	18190	36	EPKpab		2145	13.48	-.130							1.0
GRNL	BN	18190	36	ESS		22 9	26.220	.140							1.0
GRNL	BZ	18190	36	IAMs_20		2254	39.23			9319	19.4				
MESJ	BZ	18233	36	EPKp $\bar{d}$ f		2144	22.320	.040							1.0
MESJ	BZ	18233	36	EPP		2149	1.190	.070							1.0
MESJ	BN	18233	36	ESS		22 9	30.180	.130							1.0
MESJ	BZ	18233	36	IAMs_20		2256	20.74			6254	13.6				
MORF	BZ	18249	39	EPKp $\bar{d}$ f		2144	22.44	-.030							1.0
MORF	BZ	18249	39	EPP		2149	1.61	-.330							0.9
MORF	BZ	18249	39	IAMs_20		2255	35.31			9121	21.8				



March 19 2022 Hour: 22:12 41.7 Lat: 38.11N Lon: 9.09W Depth: 11F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	46	90	EP		2212	49.15	-.120							1.0
GRNL	CN	46	90	ES		2212	54.92	0.110							1.0
GRNL	CN	46	90	IAML		2212	55.74			17	0.1				
MESJ	HZ	82	111	EP		2212	54.79	-.070							1.0
MORF	HZ	97	157	EP		2212	57.17	-.020							1.0
MORF	HE	97	157	ES		2213	8.62	0.110							1.0
MORF	HE	97	157	IAML		2213	10.12			15	0.1				

March 20 2022 Hour: 0:31 46.1 Lat: 37.03N Lon: 3.96W Depth: 9F 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	388	285	EP		032	38.78	-.000							1.0

March 20 2022 Hour: 15:35 2.2 Lat: 36.76N Lon: 7.56W Depth: 10F 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	114	302	EP		1535	20.26	-.100							1.0
MORF	HN	114	302	ES		1535	33.45	-.160							1.0
MORF	HE	114	302	IAML		1535	34.70			8	0.1				
MESJ	HZ	133	334	EP		1535	23.39	0.190							1.0
MESJ	HE	133	334	ES		1535	38.60	0.070							1.0
MESJ	HE	133	334	IAML		1535	40.33			3	0.2				

March 21 2022 Hour: 5:32 53.3 Lat: 61.67N Lon: 2.58E Depth: 2F Agency: IGL Distant  
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

NORWEGIAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2752	201	EP		538	16.13	-.110							1.0
MESJ	BZ	2752	201	IAMB		538	25.03			206	1.7				
MESJ	BE	2752	201	ES		542	40.44	0.050							1.0
MORF	BZ	2818	201	EP		538	21.76	0.060							1.0
MORF	BZ	2818	201	IAMB		538	32.12			205	1.5				

March 21 2022 Hour: 11:44 8.3 Lat: 38.13N Lon: 8.13W Depth: 1F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.0 secs

N FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	33	194	EP		1144	13.67	-0.01							1.0
MESJ	HN	33	194	ES		1144	17.61	0.02							1.0
MESJ	HE	33	194	IAML		1144	17.88			25	0.2				
GRNL	CZ	39	267	EP		1144	14.48	-0.07							1.0
GRNL	CE	39	267	ES		1144	19.15	0.06							1.0
GRNL	CE	39	267	IAML		1144	19.90			11	0.2				

March 21 2022 Hour: 22: 8 22.7 Lat: 36.61N Lon: 9.76W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	52	EP		22 8	42.23	-.030							1.0
MORF	HE	125	52	ES		22 8	56.58	0.050							1.0
MORF	HN	125	52	IAML		22 8	57.14			3	0.2				
MESJ	HZ	193	45	EP		22 8	50.65	-.020							1.0
GRNL	CZ	197	32	EP		22 8	51.12	-.010							1.0

**March 21 2022 Hour: 22:24 3.1 Lat: 35.40N Lon: 3.63W Depth: 0 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
MESJ	HZ	491	305	EP		2225	9.32	-.100							1.0
MESJ	HN	491	305	ES		2225	58.060	.230							1.0
MESJ	HN	491	305	IAML		2226	0.88		6	0.4					
MORF	HZ	498	297	EP		2225	10.11	-.090							1.0
GRNL	CZ	533	306	EP		2225	14.44	-.050							1.0

**March 22 2022 Hour: 5: 4 50.7 Lat: 36.78N Lon: 10.75W Depth: 32F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.1 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	195	72	EP		5 5	17.860	.060							1.0
MORF	HE	195	72	ES		5 5	37.38	-.180							1.0
MORF	HN	195	72	IAML		5 5	38.10		13	0.2					
GRNL	CZ	243	52	EP		5 5	23.690	.040							1.0
GRNL	CN	243	52	ES		5 5	47.790	.110							1.0
GRNL	CE	243	52	IAML		5 5	50.64		10	0.2					
MESJ	HZ	253	62	EP		5 5	24.90	-.050							1.0
MESJ	HN	253	62	ES		5 5	49.940	.020							1.0
MESJ	HN	253	62	IAML		5 5	50.93		4	0.2					

**March 22 2022 Hour: 5:27 13.2 Lat: 37.50N Lon: 8.47W Depth: 4F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.1 secs**  
**SE ODEMIRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	27	217	EP		527	17.55	-.060							1.0
MORF	HE	27	217	ES		527	20.960	.120							1.0
MORF	HN	27	217	IAML		527	21.56		13	0.2					
MESJ	HZ	44	30	EP		527	20.470	.210							1.0
MESJ	HN	44	30	ES		527	25.42	-.000							1.0
MESJ	HE	44	30	IAML		527	26.58		5	0.1					
GRNL	CZ	68	353	EP		527	24.07	-.110							1.0
GRNL	CN	68	353	ES		527	32.05	-.160							1.0
GRNL	CE	68	353	IAML		527	33.92		11	0.1					

**March 22 2022 Hour: 14:49 35.7 Lat: 36.56N Lon: 7.72W 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
MESJ	HZ	149	343	EP		1449	57.990	.060							1.0
MESJ	HN	149	343	ES		1450	14.230	.100							1.0
MESJ	HN	149	343	IAML		1450	15.24		10	0.1					
GRNL	CZ	188	337	EP		1450	2.49	-.260							1.0
GRNL	CN	188	337	ES		1450	22.550	.090							1.0
GRNL	CN	188	337	IAML		1450	24.09		8	0.1					

**March 22 2022 Hour: 16:35 9.8 Lat: 10.77N Lon: 43.43W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 6.6Ms IGL Rms: 0.1 secs**  
**NORTHERN MID-ATLANTIC RIDGE Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4555	44	EP		1642	52.40	-.060							1.0
MORF	BE	4555	44	ES		1649	5.270	.070							1.0
MORF	BZ	4555	44	IAMs_20		1654	13.70		127000	30.3					
GGNV	BZ	4601	42	EP		1642	55.69	-.120							1.0
GGNV	BE	4601	42	ES		1649	11.390	.140							1.0
GGNV	BZ	4601	42	IAMs_20		1654	25.58		123000	29.1					
GRNL	BZ	4608	43	EP		1642	56.18	-.130							1.0
GRNL	BE	4608	43	ES		1649	12.300	.150							1.0
GRNL	BZ	4608	43	IAMs_20		1654	11.53		132000	30.9					
MESJ	BZ	4618	44	EP		1642	56.93	-.170							1.0

MESJ BE 4618 44 ES 1649 13.690.110 1.0  
 MESJ BZ 4618 44 IAMS\_20 1654 13.21 153000 39.2

**March 22 2022 Hour: 23:28 45.3 Lat: 36.21N Lon: 11.60W Depth: 30F 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	290	64	EP		2329	24.03	-.110							1.0
GRNL	CZ	342	51	EP		2329	30.52	-.040							1.0
GRNL	CN	342	51	ES		2330	3.59	-.020							1.0
GRNL	CN	342	51	IAML		2330	6.39		39	0.1					
MESJ	HZ	351	58	EP		2329	31.60	-.100							1.0
MESJ	HE	351	58	ES		2330	5.84	0.270							1.0
MESJ	HN	351	58	IAML		2330	9.70		9	0.2					

**March 23 2022 Hour: 13:51 31.3 Lat: 36.69N Lon: 9.77W Depth: 18F Agency: IGL Regional  
 Magnitudes: 1.3ML IGL Rms: 0.2 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	55	EP		1351	49.94	-.120							1.0
MESJ	HZ	188	47	EP		1351	58.23	-.120							1.0
MESJ	HN	188	47	ES		1352	18.28	0.210							1.0
MESJ	HN	188	47	IAML		1352	19.34		1.00	0.1					
GRNL	CZ	190	34	EP		1351	58.52	-.120							1.0
GRNL	CN	190	34	ES		1352	18.73	0.160							1.0
GRNL	CN	190	34	IAML		1352	19.48		6	0.1					

**March 23 2022 Hour: 21:57 0.5 Lat: 15.15S Lon: 167.39E Depth: 116F 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	BZ17457	352	EP	KPdf		2216	41.36	0.030							1.0
GRNL	BZ17457	352	EP	KPab		2217	12.50	0.120							1.0
MESJ	BZ17481	351	EP	KPdf		2216	41.53	-.080							1.0
MESJ	BZ17481	351	EP	KPab		2217	13.37	0.040							1.0
MORF	BZ17546	352	EP	KPdf		2216	42.28	-.130							1.0
MORF	BZ17546	352	EP	KPab		2217	15.94	0.020							1.0

**March 24 2022 Hour: 1:33 17.2 Lat: 37.01N Lon: 5.51W Depth: 11F Agency: IGL Regional  
 Rms: 0.0 secs**

**SPAIN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	257	292	EP		133	53.43	0.010							1.0
GRNL	CZ	296	295	EP		133	58.32	-.010							1.0

**March 24 2022 Hour: 16: 0 6.6 Lat: 36.78N Lon: 4.75W Depth: 54F 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	329	292	EP		16 0	49.80	-.120							1.0
MORF	HZ	352	281	EP		16 0	52.74	0.040							1.0
GRNL	CZ	369	295	EP		16 0	54.77	0.080							1.0

**March 24 2022 Hour: 20: 8 31.3 Lat: 37.28N Lon: 8.46W Depth: 18F Agency: IGL Regional  
 Magnitudes: 1.3ML IGL Rms: 0.2 secs**

**SE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	17	279	EP		20 8	35.02	-.250							1.0
MORF	HE	17	279	ES		20 8	38.44	0.240							1.0
MORF	HN	17	279	IAML		20 8	38.87		96	0.1					
MESJ	HZ	66	19	EP		20 8	41.88	-.080							1.0
MESJ	HE	66	19	ES		20 8	49.81	0.040							1.0
MESJ	HE	66	19	IAML		20 8	50.94		5	0.1					
GRNL	CE	92	354	ES		20 8	56.79	0.050							1.0

GRNL CN 92 354 IAML 20 8 57.85 8 0.2

March 25 2022 Hour: 0:56 22.4 Lat: 15.59S Lon: 71.63W Depth:124F Agency: IGL Distant  
Magnitudes: 5.0Mb IGL Rms: 0.1 secs

SOUTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8811	46	EP		1 8	13.780	0.030							1.0
MORF	BZ	8811	46	IAMB		1 8	15.06			23	0.9				
GRNL	BZ	8860	46	EP		1 8	16.160	0.050							1.0
GRNL	BZ	8860	46	IAMB		1 8	16.82			16	0.5				
MESJ	BZ	8873	46	EP		1 8	16.64	-.080							1.0
MESJ	BZ	8873	46	IAMB		1 8	18.50			43	1.3				

March 25 2022 Hour: 5:54 2.6 Lat: 37.00N Lon: 8.73W Depth: 16F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	34	12	EP		554	8.59	-.020							1.0
MORF	HE	34	12	ES		554	13.230	0.200							1.0
MORF	HN	34	12	IAML		554	13.89			8	0.1				
MESJ	HZ	103	26	EP		554	18.88	-.050							1.0
MESJ	HN	103	26	ES		554	30.79	-.080							1.0
MESJ	HN	103	26	IAML		554	32.33			2	0.2				
GRNL	CZ	124	7	EP		554	21.74	-.060							1.0

March 25 2022 Hour: 13:40 8.3 Lat: 37.04N Lon: 11.07W Depth: 37F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	250	61	EP		1340	42.210	0.010							1.0
GRNL	CN	250	61	ES		1341	6.88	-.040							1.0
GRNL	CE	250	61	IAML		1341	9.05			3	0.1				
MESJ	HE	267	70	ES		1341	10.530	0.030							1.0
MESJ	HE	267	70	IAML		1341	10.95			0.70	0.1				

March 25 2022 Hour: 16:21 4.4 Lat: 38.55N Lon: 97.29E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

NORTHERN QINGHAI, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8638	309	EP		1633	1.520	0.110							1.0
MESJ	BN	8638	309	ES		1642	54.14	-.080							1.0
MESJ	BZ	8638	309	IAMS_20		1710	23.31			5978	14.4				
GRNL	BZ	8643	309	EP		1633	1.60	-.030							1.0
GRNL	BZ	8643	309	IAMS_20		1710	11.72			6375	19.0				

March 25 2022 Hour: 17:52 27.7 Lat: 36.81N Lon: 9.46W Depth: 26F Agency: IGL Regional  
Magnitudes: 1.6ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	90	52	EP		1752	41.98	-.050							1.0
MORF	HN	90	52	ES		1752	52.490	0.000							1.0
MORF	HN	90	52	IAML		1752	53.42			15	0.1				
MESJ	HZ	158	43	EP		1752	50.520	0.050							1.0

March 25 2022 Hour: 19:25 27.0 Lat: 35.11N Lon: 5.95W Depth: 24F Agency: IGL Regional  
Magnitudes: 1.6ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	365	327	EP		1926	15.41	-.080							1.0
GRNL	CZ	407	326	EP		1926	20.760	0.080							1.0

**March 26 2022 Hour: 1:41 42.0 Lat: 35.84N Lon: 10.01W Depth: 33F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.2 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	203	36	EP		142	10.220	.270							1.0
MORF	HN	203	36	ES		142	30.28	-.080							1.0
MORF	HE	203	36	IAML		142	31.18			1	0.1				
GRNL	CZ	282	27	EP		142	19.59	-.210							1.0

**March 26 2022 Hour: 10:42 35.8 Lat: 38.41N Lon: 7.83W Depth: 1F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL Rms: 0.1 secs**

**NW PORTEL, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	72	209	EP		1042	47.26	-.150							1.0
MESJ	HN	72	209	ES		1042	55.83	-.070							1.0
MESJ	HN	72	209	IAML		1042	57.27			3	0.2				
GRNL	CZ	73	243	EP		1042	47.700	.130							1.0
GRNL	CE	73	243	ES		1042	56.260	.090							1.0
GRNL	CN	73	243	IAML		1042	56.74			3	0.1				

**March 26 2022 Hour: 21:41 52.8 Lat: 37.34N Lon: 8.49W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 0.8ML IGL Rms: 0.0 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	253	EP		2141	55.89	-.020							1.0
MORF	HE	15	253	ES		2141	58.220	.020							1.0
MORF	HN	15	253	IAML		2141	58.43			26	0.2				

**March 27 2022 Hour: 0:39 3.8 Lat: 37.33N Lon: 8.63W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 0.2ML IGL Rms: 0.1 secs**

**W MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	217	EP		039	5.40	-.150							1.0
MORF	HN	3	217	ES		039	7.000	.150							1.0
MORF	HE	3	217	IAML		039	7.03			18	0.1				

**March 27 2022 Hour: 0:50 44.8 Lat: 13.81S Lon: 66.17E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.4Ms IGL Rms: 0.0 secs**

**MID-INDIAN RIDGE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9660	310	EP		1	3	29.440	.000						1.0
GRNL	BZ	9660	310	IAMs_20		143	51.57			1634	20.5				

**March 27 2022 Hour: 3: 9 12.5 Lat: 39.11N Lon: 8.44W Depth: 26F Agency: IGL Regional**  
**Rms: 0.1 secs**

**NE CORUCHE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	75	234	EP		3	9	24.870	.150						1.0
GRNL	CZ	112	186	EP		3	9	29.52	-.000						1.0
MESJ	HZ	143	172	EP		3	9	33.19	-.150						1.0

**March 27 2022 Hour: 4:28 13.4 Lat: 0.91N Lon: 79.59W Depth: 27F Agency: IGL Distant**  
**Magnitudes: 6.0Mb IGL Rms: 0.1 secs**

**NEAR COAST OF ECUADOR Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8264	50	EP		439	48.08	-.070							1.0
GGNV	BZ	8264	50	IAmb		439	49.17			318	1.3				
MORF	BZ	8276	52	EP		439	49.080	.230							1.0
MORF	BZ	8276	52	IAmb		439	50.52			157	0.6				
GRNL	BZ	8300	51	EP		439	49.94	-.120							1.0
GRNL	BZ	8300	51	IAmb		439	51.80			178	1.0				
GRNL	BE	8300	51	ES		449	24.540	.020							1.0
MESJ	BZ	8325	51	EP		439	51.30	-.040							1.0

MESJ BZ 8325 51 IAmb 439 52.06 82 1.0  
 MESJ BN 8325 51 ES 449 26.98-.010 1.0

**March 27 2022 Hour: 4:43 14.4 Lat: 43.40N Lon: 6.89W Depth: 23F Agency: IGL Regional  
 Rms: 0.0 secs**

**SPAIN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	604	194	EP		444	32.32	-.040							1.0
MESJ	HZ	627	191	EP		444	35.220	.050							1.0

**March 27 2022 Hour: 5:53 3.5 Lat: 0.84N Lon: 79.64W Depth: 11F Agency: IGL Distant  
 Magnitudes: 5.3Mb IGL Rms: 0.1 secs**

**NEAR COAST OF ECUADOR Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8285	52	EP		6 4	42.110	.140							1.0
MORF	BZ	8285	52	IAmb		6 4	43.10			45	1.0				
GRNL	BZ	8309	51	EP		6 4	43.08	-.100							1.0
GRNL	BZ	8309	51	IAmb		6 4	44.61			35	1.0				
MESJ	BZ	8334	51	EP		6 4	44.43	-.040							1.0
MESJ	BZ	8334	51	IAmb		6 4	45.92			20	1.0				

**March 27 2022 Hour: 6:30 44.9 Lat: 36.62N Lon: 7.21W Depth: 32F 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	163	327	EP		631	7.990	.160							1.0
MESJ	HN	163	327	ES		631	24.52	-.070							1.0
MESJ	HE	163	327	IAML		631	25.78			1.00	0.2				
GRNL	CZ	205	324	EP		631	12.85	-.200							1.0
GRNL	CN	205	324	ES		631	33.720	.100							1.0
GRNL	CN	205	324	IAML		631	36.16			1	0.2				

**March 27 2022 Hour: 15:23 11.3 Lat: 35.58N Lon: 6.82W 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	HE	252	320	ES		1524	10.310	.080							1.0
MORF	HE	252	320	IAML		1524	11.35			7	0.1				
MESJ	HZ	280	334	EP		1523	48.880	.070							1.0
MESJ	HE	280	334	ES		1524	16.230	.050							1.0
MESJ	HN	280	334	IAML		1524	17.79			3	0.1				
GRNL	CZ	321	331	EP		1523	53.68	-.190							1.0
GRNL	CE	321	331	ES		1524	24.93	-.010							1.0
GRNL	CE	321	331	IAML		1524	27.12			6	0.1				

**March 27 2022 Hour: 20:17 9.6 Lat: 0.95N Lon: 79.57W Depth: 46F Agency: IGL Distant  
 Magnitudes: 5.6Mb IGL Rms: 0.1 secs**

**NEAR COAST OF ECUADOR Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8271	52	EP		2028	42.620	.160							1.0
MORF	BZ	8271	52	IAmb		2028	46.00			44	0.8				
GRNL	BZ	8296	51	EP		2028	43.56	-.120							1.0
GRNL	BZ	8296	51	IAmb		2028	46.31			74	0.2				
MESJ	BZ	8320	51	EP		2028	44.92	-.040							1.0
MESJ	BZ	8320	51	IAmb		2028	47.25			27	1.0				

**March 28 2022 Hour: 0:22 46.9 Lat: 37.27N Lon: 8.43W Depth: 19F Agency: IGL Regional  
 Magnitudes: 1.6ML IGL Rms: 0.2 secs**

**N SILVES, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	20	280	EP		022	50.97	-.320							1.0
MORF	HE	20	280	ES		022	54.530	.030							1.0
MORF	HE	20	280	IAML		022	55.22			100	0.1				
MESJ	HZ	66	17	EP		022	57.860	.240							1.0

MESJ HE	66	17	ES	023	5.500.060											1.0
MESJ HE	66	17	IAML	023	6.27					15	0.2					
GRNL CZ	94	353	EP	023	1.76-.030											1.0
GRNL CN	94	353	ES	023	12.700.030											1.0
GRNL CN	94	353	IAML	023	13.85					25	0.1					

**March 28 2022 Hour: 7:13 54.9 Lat: 37.28N Lon: 8.43W 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 HE		20	277	ES		714	2.40-.120								1.0
MORF HE		20	277	IAML		714	2.80			25	0.1				
MESJ HZ		65	16	EP		714	5.540.110								1.0
MESJ HN		65	16	ES		714	13.160.010								1.0
MESJ HE		65	16	IAML		714	13.97			3	0.1				
GRNL CZ		93	352	EP		714	9.680.050								1.0
GRNL CN		93	352	ES		714	20.37-.050								1.0
GRNL CN		93	352	IAML		714	21.43			8	0.2				

**March 28 2022 Hour: 15:37 0.6 Lat: 36.50N Lon: 7.63W Depth: 31F Agency: IGL Regional  
Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		158	341	EP		1537	22.250.080								1.0
GRNL CZ		197	335	EP		1537	26.96-.090								1.0

**March 28 2022 Hour: 16:32 23.1 Lat: 36.72N Lon: 9.71W Depth: 21F 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		115	55	EP		1632	40.820.020								1.0
MESJ HZ		182	46	EP		1632	49.09-.020								1.0
MESJ HN		182	46	ES		1633	8.140.040								1.0
MESJ HN		182	46	IAML		1633	9.09			3	0.1				
GRNL CZ		185	33	EP		1632	49.41-.050								1.0

**March 29 2022 Hour: 8:16 27.9 Lat: 37.62N Lon: 8.38W Depth: 13F Agency: IGL Regional  
Magnitudes: 1.7ML IGL Rms: 0.2 secs**

**SW OURIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		29	30	EP		816	33.180.200								1.0
MESJ HE		29	30	ES		816	36.62-.050								1.0
MESJ HE		29	30	IAML		816	37.26			59	0.1				
MORF HZ		42	214	EP		816	35.060.060								1.0
MORF HN		42	214	ES		816	39.86-.300								1.0
MORF HN		42	214	IAML		816	41.05			41	0.1				
GRNL CZ		57	343	EP		816	37.290.070								1.0
GRNL CN		57	343	ES		816	44.020.010								1.0
GRNL CN		57	343	IAML		816	45.00			102	0.1				

**March 29 2022 Hour: 17:19 22.8 Lat: 36.44N Lon: 8.08W Depth: 31F 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		109	332	EP		1719	38.29-.100								1.0
MORF HN		109	332	ES		1719	49.71-.030								1.0
MORF HN		109	332	IAML		1719	51.54			62	0.2				
MESJ HZ		156	355	EP		1719	44.350.140								1.0

March 30 2022 Hour: 1:30 27.9 Lat: 37.15N Lon: 14.22W Depth: 6F 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	495	86	EP		131	29.690	.090							1.0
GRNL	CZ	510	76	EP		131	31.07	-.400							1.0
GRNL	CN	510	76	ES		132	18.200	.300							1.0
GRNL	CN	510	76	IAML		132	19.84			3	0.1				
MESJ	HZ	536	80	EP		131	34.690	.020							1.0

March 30 2022 Hour: 20:56 58.6 Lat: 22.72S Lon: 170.29E Depth: 10F Agency: IGL Distant  
Magnitudes: 7.1Ms IGL Rms: 0.1 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18253	358	EP	KPdf		2117	1.690	.140							1.0
GGNV	BZ18253	358	IAMs	_20		2234	36.30			24456	16.9				
GRNL	BZ18318	357	EP	KPdf		2117	2.250	.150							1.0
GRNL	BZ18318	357	EPP			2121	44.08	-.000							1.0
GRNL	BN18318	357	ESS			2142	17.92	-.090							1.0
GRNL	BZ18318	357	IAMs	_20		2230	10.94			24962	19.7				
MESJ	BZ18345	355	EP	KPdf		2117	2.14	-.190							1.0
MESJ	BZ18345	355	EPP			2121	45.380	.000							1.0
MESJ	BZ18345	355	IAMs	_20		2232	8.13			29648	19.4				
MORF	BZ18407	357	EP	KPdf		2117	2.910	.040							1.0
MORF	BZ18407	357	EPP			2121	48.28	-.060							1.0
MORF	BZ18407	357	IAMs	_20		2239	10.79			21911	20.5				

March 30 2022 Hour: 22:29 17.0 Lat: 38.26N Lon: 8.59W Depth: 8F Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.2 secs

NW GRANDOLA, PORTUGAL Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	17	175	EP		2229	20.00	-.010							1.0
GRNL	CE	17	175	ES		2229	22.280	.090							1.0
GRNL	CN	17	175	IAML		2229	23.14			42	0.0				
MESJ	HZ	56	145	EP		2229	25.92	-.290							1.0
MORF	HZ	106	183	EP		2229	34.270	.280							1.0
MORF	HN	106	183	ES		2229	46.32	-.060							1.0
MORF	HN	106	183	IAML		2229	48.14			15	0.2				

March 31 2022 Hour: 3: 6 46.6 Lat: 22.39S Lon: 170.16E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18216	358	EP	KPdf		326	49.290	.090							1.0
GGNV	BZ18216	358	EPP			331	27.350	.120							1.0
GGNV	BZ18216	358	IAMs	_20		445	44.05			1955	24.4				
GRNL	BZ18281	356	EP	KPdf		326	49.75	-.010							1.0
GRNL	BZ18281	356	IAMs	_20		436	16.80			2305	25.7				
MESJ	BZ18308	355	EP	KPdf		326	49.98	-.010							1.0
MESJ	BZ18308	355	EPP			331	31.55	-.030							1.0
MESJ	BZ18308	355	IAMs	_20		447	5.58			2071	17.7				
MORF	BZ18370	356	EP	KPdf		326	50.47	-.070							1.0
MORF	BZ18370	356	EPP			331	34.48	-.080							1.0
MORF	BZ18370	356	IAMs	_20		442	14.71			1849	13.0				

March 31 2022 Hour: 5:43 59.9 Lat: 22.58S Lon: 170.35E Depth: 10F Agency: IGL Distant  
Magnitudes: 7.1Ms IGL Rms: 0.1 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18238	359	EP	KPdf		6 4	2.63	-.020							1.0
GGNV	BZ18238	359	IAMs	_20		721	39.41			24243	20.5				
GRNL	BZ18303	357	EP	KPdf		6 4	3.18	-.030							1.0
GRNL	BZ18303	357	EPP			6 8	44.760	.160							1.0



GRNL	BZ18303	357	IAMs_20	715	45.40				26922	22.7							
MESJ	BZ18330	356	EPKPdf	6	4	3.36	-.080										1.0
MESJ	BZ18330	356	EPP	6	8	45.85	-.050										1.0
MESJ	BZ18330	356	IAMs_20	717	11.82				31113	18.0							
MORF	BZ18392	357	EPKPdf	6	4	4.110	.130										1.0
MORF	BZ18392	357	EPP	6	8	48.78	-.090										1.0
MORF	BZ18392	357	IAMs_20	715	56.36				28138	23.2							

**March 31 2022 Hour: 6:48 46.8 Lat: 38.62N Lon: 7.15W Depth: 1F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL 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	136	246	EP		649	8.820	.100							1.0
GRNL	CN	136	246	ES		649	24.60	-.100							1.0
GRNL	CE	136	246	IAML		649	26.08			9	0.2				

**March 31 2022 Hour: 16:42 9.7 Lat: 36.85N Lon: 8.63W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	50	358	EP		1642	18.650	.210							1.0
MORF	HN	50	358	ES		1642	24.64	-.160							1.0
MORF	HN	50	358	IAML		1642	27.14			64	0.2				
MESJ	HZ	116	18	EP		1642	27.24	-.060							1.0

**March 31 2022 Hour: 19:50 40.7 Lat: 22.73S Lon: 170.65E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 6.8Ms 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	BZ18255	359	EPKPdf	2010		43.62	-.010								1.0
GGNV	BZ18255	359	IAMs_20	2131		48.37				14805	16.9				
MESJ	BZ18349	357	EPKPdf	2010		44.450	.020								1.0
MESJ	BZ18349	357	EPP	2015		27.650	.030								1.0
MESJ	BZ18349	357	IAMs_20	2130		19.74				12881	20.5				
MORF	BZ18410	358	EPKPdf	2010		44.91	-.050								1.0
MORF	BZ18410	358	IAMs_20	2123		41.34				14551	29.6				

**April 1 2022 Hour: 11:31 54.9 Lat: 37.33N Lon: 8.58W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 0.8ML 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	248	EP		1131	57.27	-.310							1.0
MORF	HN	7	248	ES		1131	59.660	.100							1.0
MORF	HE	7	248	IAML		1132	0.40			26	0.1				
MESJ	HZ	65	29	EP		1132	5.42	-.010							1.0
MESJ	HE	65	29	ES		1132	13.250	.110							1.0
MESJ	HN	65	29	IAML		1132	15.45			4	0.1				
GRNL	CN	87	1	ES		1132	18.870	.110							1.0
GRNL	CN	87	1	IAML		1132	20.13			3	0.1				

**April 2 2022 Hour: 2: 4 25.9 Lat: 35.45N Lon: 3.65W Depth: 2F Agency: IGL Regional**  
**Magnitudes: 0.8ML 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
MESJ	HZ	487	304	EP		2	5	31.46	-.000						1.0

**April 2 2022 Hour: 3:11 18.8 Lat: 35.37N Lon: 3.69W Depth: 5F Agency: IGL Regional**  
**Magnitudes: 0.8ML 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
MESJ	HZ	489	305	EP		312	24.370	.040							1.0
MORF	HZ	495	297	EP		312	24.96	-.050							1.0
GRNL	CZ	531	306	EP		312	29.420	.010							1.0

April 2 2022 Hour: 12:50 43.4 Lat: 36.77N Lon: 11.37W 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	249	75	EP		1251	16.470	.050							1.0
MORF	HE	249	75	ES		1251	40.47	-.040							1.0
MORF	HN	249	75	IAML		1251	42.65			79	0.3				
GRNL	CZ	289	58	EP		1251	21.470	.130							1.0
MESJ	HZ	304	66	EP		1251	23.04	-.120							1.0
MESJ	HE	304	66	ES		1251	52.13	-.020							1.0
MESJ	HN	304	66	IAML		1251	56.72			9	0.1				

April 2 2022 Hour: 18:37 12.7 Lat: 37.27N Lon: 7.92W Depth: 8F Agency: IGL Regional  
Magnitudes: 2.3ML IGL Rms: 0.1 secs

NW S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	65	274	EP		1837	23.430	.060							1.0
MORF	HN	65	274	ES		1837	31.00	-.130							1.0
MORF	HN	65	274	IAML		1837	34.35			201	0.2				
MESJ	HZ	69	337	EP		1837	24.190	.240							1.0
MESJ	HN	69	337	ES		1837	32.01	-.130							1.0
MESJ	HN	69	337	IAML		1837	35.69			102	0.1				
GRNL	CZ	110	329	EP		1837	30.22	-.040							1.0

April 2 2022 Hour: 22:49 28.2 Lat: 35.41N 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	492	305	EP		2250	32.860	.020							1.0
GRNL	CZ	534	306	EP		2250	37.88	-.020							1.0

April 3 2022 Hour: 10:24 56.5 Lat: 9.23N Lon: 126.67E Depth: 29F Agency: IGL Distant  
Magnitudes: 5.3Ms IGL Rms: 0.0 secs

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13026	321	EPP			1044	48.010	.020							1.0
MESJ	BZ13026	321	IAMs_20			1140	36.91			603	15.4				
GRNL	BZ13031	321	EPP			1044	48.26	-.060							1.0
GRNL	BZ13031	321	IAMs_20			1142	56.49			717	19.4				
MORF	BZ13093	321	EPP			1044	52.260	.030							1.0

April 3 2022 Hour: 15:29 40.4 Lat: 9.19N Lon: 126.61E Depth: 21F Agency: IGL Distant  
Magnitudes: 5.2Ms IGL Rms: 0.0 secs

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13025	321	EPP			1549	32.94	-.030							1.0
MESJ	BZ13025	321	IAMs_20			1645	20.25			414	16.2				
GRNL	BZ13030	321	EPP			1549	33.330	.030							1.0
GRNL	BZ13030	321	IAMs_20			1650	40.72			525	18.3				

April 4 2022 Hour: 16: 6 57.1 Lat: 17.49S Lon: 167.87E Depth: 24F Agency: IGL Distant  
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17660	354	EPKP			1626	52.050	.130							1.0
GGNV	BZ17660	354	IAMs_20			1740	1.76			5481	24.2				
GRNL	BZ17719	352	EPKP			1626	52.730	.150							1.0
GRNL	BZ17719	352	IAMs_20			1737	2.57			3920	21.3				
MESJ	BZ17743	351	EPKP			1626	52.73	-.110							1.0
MESJ	BZ17743	351	IAMs_20			1737	54.26			3676	22.4				
MORF	BZ17809	352	EPKP			1626	53.40	-.170							1.0
MORF	BZ17809	352	IAMs_20			1735	29.55			3245	18.4				

April 4 2022 Hour: 19:48 35.1 Lat: 36.60N Lon: 7.89W Depth: 27F 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	HN	141	348	ES		1949	10.670	.100							1.0
MESJ	HE	141	348	IAML		1949	12.05			1	0.1				
GRNL	CZ	178	340	EP		1949	0.12	-.090							1.0
GRNL	CN	178	340	ES		1949	18.54	-.020							1.0
GRNL	CN	178	340	IAML		1949	19.30			0.80	0.1				

April 4 2022 Hour: 21:11 30.8 Lat: 38.01N Lon: 8.74W Depth: 12F Agency: IGL Regional  
Magnitudes: 0.3ML IGL Rms: 0.0 secs

W SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	19	55	EP		2111	34.34	-.020							1.0
GRNL	CN	19	55	ES		2111	36.98	-.010							1.0
GRNL	CE	19	55	IAML		2111	37.45			8	0.1				
MESJ	HZ	50	112	EP		2111	39.040	.040							1.0
MESJ	HE	50	112	ES		2111	44.99	-.010							1.0
MESJ	HE	50	112	IAML		2111	45.45			2	0.1				

April 4 2022 Hour: 21:19 52.0 Lat: 35.52N Lon: 3.71W Depth: 7F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	520	305	EP		2121	1.080	.000							1.0

April 5 2022 Hour: 0:22 15.4 Lat: 36.91N Lon: 10.89W Depth: 5F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	244	56	EP		022	50.61	-.070							1.0
GRNL	CN	244	56	ES		023	16.510	.070							1.0
GRNL	CE	244	56	IAML		023	19.05			2	0.2				

April 5 2022 Hour: 1:39 18.7 Lat: 36.55N Lon: 11.17W Depth: 21F 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	289	52	EP		139	57.91	-.110							1.0
GRNL	CN	289	52	ES		140	26.810	.110							1.0
GRNL	CN	289	52	IAML		140	29.24			2	0.2				

April 5 2022 Hour: 15:25 22.5 Lat: 36.97N Lon: 13.60W Depth: 10F Agency: IGL Regional  
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	441	84	EP		1526	17.510	.050							1.0
GRNL	CZ	462	73	EP		1526	19.85	-.140							1.0
GRNL	CN	462	73	ES		1527	2.190	.250							1.0
GRNL	CE	462	73	IAML		1527	3.02			2	0.2				
MESJ	HZ	486	77	EP		1526	22.75	-.170							1.0

April 5 2022 Hour: 15:59 5.4 Lat: 38.79N Lon: 7.82W Depth: 12F Agency: IGL Regional  
Magnitudes: 1.2ML 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	100	221	EPg		1559	21.710	.130							1.0
GRNL	CN	100	221	ESg		1559	33.36	-.060							1.0
GRNL	CN	100	221	IAML		1559	33.82			7	0.1				
MESJ	HE	111	199	ESg		1559	36.42	-.070							1.0
MESJ	HE	111	199	IAML		1559	36.62			4	0.2				

April 5 2022 Hour: 18:7 45.4 Lat: 38.37N Lon: 8.05W Depth: 3F Agency: IGL Regional  
 Magnitudes: 0.2ML 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	54	238	EP		18	7	54.340.170							1.0
MESJ	HZ	60	195	EP		18	7	55.250.050							1.0
MESJ	HE	60	195	ES		18	8	2.11-.220							1.0
MESJ	HE	60	195	IAML		18	8	3.33		1	0.1				

April 5 2022 Hour: 21:39 42.7 Lat: 35.57N Lon: 3.59W Depth: 2F 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		2140		47.79-.110							1.0
GRNL	CZ	525	304	EP		2140		53.050.120							1.0

April 5 2022 Hour: 23:8 37.6 Lat: 37.31N Lon: 8.53W Depth: 14F Agency: IGL Regional  
 Magnitudes: 1.0ML 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	11	266	EP		23	8	40.24-.340							1.0
MORF	HE	11	266	ES		23	8	42.870.140							1.0
MORF	HE	11	266	IAML		23	8	43.41		27	0.1				
MESJ	HZ	65	25	EP		23	8	48.270.170							1.0
MESJ	HN	65	25	ES		23	8	55.60-.130							1.0
MESJ	HE	65	25	IAML		23	8	56.27		6	0.1				
GRNL	CZ	89	358	EP		23	8	51.940.220							1.0
GRNL	CN	89	358	ES		23	9	1.95-.050							1.0
GRNL	CN	89	358	IAML		23	9	2.90		8	0.1				

April 5 2022 Hour: 23:12 60.0 Lat: 36.80N Lon: 13.91W Depth: 28F 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	471	82	EP		2313		58.820.160							1.0
MORF	HN	471	82	ES		2314		41.520.010							1.0
MORF	HN	471	82	IAML		2314		43.33		29	0.2				
GRNL	CZ	495	71	EP		2314		1.35-.120							1.0
GRNL	CN	495	71	ES		2314		46.390.020							1.0
GRNL	CN	495	71	IAML		2314		47.37		16	0.2				
MESJ	HZ	518	75	EP		2314		4.22-.080							1.0

April 6 2022 Hour: 2:48 41.5 Lat: 37.28N Lon: 7.82W Depth: 1 Agency: IGL Regional  
 Magnitudes: 1.2ML IGL Rms: 0.1 secs  
 NE S. BRAS DE ALPORTEL, PORTUGAL Net:IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	71	331	EP		248		52.71-.250							1.0
MESJ	HN	71	331	ES		249		1.380.070							1.0
MESJ	HN	71	331	IAML		249		4.29		5	0.1				
MORF	HN	73	272	ES		249		2.130.100							1.0
MORF	HN	73	272	IAML		249		6.43		10	0.2				
GRNL	CZ	113	325	EP		248		59.69-.000							1.0
GRNL	CN	113	325	ES		249		13.040.090							1.0
GRNL	CN	113	325	IAML		249		16.09		6	0.1				

April 6 2022 Hour: 15:7 59.5 Lat: 35.52N Lon: 3.76W Depth: 6F Agency: IGL Regional  
 Magnitudes: 2.8ML IGL Rms: 0.1 secs  
 STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	474	304	EP		15	9	3.160.050							1.0
MESJ	HN	474	304	ES		15	9	49.680.120							1.0
MESJ	HN	474	304	IAML		15	9	52.77		17	0.3				
GRNL	CZ	516	305	EP		15	9	8.00-.170							1.0

April 6 2022 Hour: 16:15 31.2 Lat: 36.70N Lon: 7.26W Depth: 31F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	152	326	EP		1615	52.04	-.110							1.0
MESJ	HN	152	326	ES		1616	7.560	.140							1.0
MESJ	HN	152	326	IAML		1616	9.18			3	0.1				
GRNL	CZ	194	324	EP		1615	57.33	-.040							1.0

April 6 2022 Hour: 16:37 31.7 Lat: 36.69N Lon: 7.27W Depth: 32F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	141	299	EP		1637	51.81	-.180							1.0
MESJ	HZ	153	327	EP		1637	53.580	.140							1.0
MESJ	HN	153	327	ES		1638	9.16	-.110							1.0
MESJ	HE	153	327	IAML		1638	9.70			1	0.1				
GRNL	CZ	195	324	EP		1637	58.810	.150							1.0

April 6 2022 Hour: 21:7 2.6 Lat: 37.45N Lon: 15.60W Depth: 10F Agency: IGL Regional  
Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	616	89	EP		21 8	18.82	-.150							1.0
GRNL	CZ	624	81	EP		21 8	19.91	-.010							1.0
MESJ	HZ	653	84	EP		21 8	23.670	.180							1.0

April 7 2022 Hour: 3:30 42.6 Lat: 13.33S Lon: 75.26W Depth: 82F Agency: IGL Distant  
Magnitudes: 4.8Mb IGL Rms: 0.1 secs

CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8928	48	EP		342	44.31	-.090							1.0
MORF	BZ	8928	48	IAMB		342	45.59			43	1.1				
GRNL	BZ	8973	47	EP		342	46.660	.190							1.0
GRNL	BZ	8973	47	IAMB		342	47.76			8	0.9				
MESJ	BZ	8988	48	EP		342	47.11	-.100							1.0
MESJ	BZ	8988	48	IAMB		342	47.79			5	0.7				

April 7 2022 Hour: 3:56 29.2 Lat: 35.49N Lon: 3.70W 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	481	304	EP		357	34.220	.020							1.0
MORF	HZ	488	296	EP		357	35.02	-.040							1.0
GRNL	CZ	523	305	EP		357	39.290	.030							1.0

April 7 2022 Hour: 7:9 4.2 Lat: 35.50N Lon: 3.66W 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	483	304	EP		710	9.570	.030							1.0
MORF	HZ	490	296	EP		710	10.38	-.080							1.0
GRNL	CZ	525	305	EP		710	14.640	.050							1.0

April 7 2022 Hour: 11:10 32.6 Lat: 37.98N Lon: 9.08W Depth: 8F Agency: IGL Regional  
Magnitudes: 1.4ML 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	47	73	EP		1110	40.380	.030							1.0
GRNL	CN	47	73	ES		1110	46.070	.080							1.0
GRNL	CN	47	73	IAML		1110	46.39			21	0.1				
MESJ	HZ	78	102	EP		1110	45.08	-.110							1.0
MESJ	HE	78	102	ES		1110	54.440	.070							1.0

MESJ HE	78	102	IAML	1110	56.46				8	0.2									
MORF HZ	84	153	EP	1110	46.17	-.100													1.0
MORF HN	84	153	ES	1110	56.260	.020													1.0
MORF HN	84	153	IAML	1110	56.91				29	0.2									

**April 7 2022 Hour: 19:11 27.7 Lat: 36.89N Lon: 7.42W Depth: 28F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	127	326	EP			1911	46.460	.060							1.0
MESJ HE	127	326	ES			1912	0.00	-.080							1.0
MESJ HN	127	326	IAML			1912	0.48		1	0.1					
GRNL CZ	169	323	EP			1911	51.660	.030							1.0

**April 7 2022 Hour: 22:27 55.7 Lat: 39.21N Lon: 9.34W Depth: 1F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.0 secs**

**SW LOURINHA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL CZ	140	151	EP			2228	18.080	.000							1.0
GRNL CE	140	151	ES			2228	34.44	-.000							1.0
GRNL CE	140	151	IAML			2228	34.95		3	0.2					

**April 8 2022 Hour: 2:18 11.0 Lat: 36.84N Lon: 13.76W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 2.2ML IGL Rms: 0.0 secs**

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

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL CZ	481	71	EP			219	12.31	-.020							1.0
GRNL CN	481	71	ES			219	57.140	.020							1.0
GRNL CN	481	71	IAML			220	1.58		5	0.2					

**April 8 2022 Hour: 2:45 5.6 Lat: 36.45N Lon: 9.87W Depth: 30F 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 HN	144	49	ES			245	41.45	-.030							1.0
MORF HE	144	49	IAML			245	42.30		5	0.1					
MESJ HZ	212	43	EP			245	34.970	.120							1.0
GRNL CZ	217	32	EP			245	35.35	-.040							1.0
GRNL CN	217	32	ES			245	57.05	-.050							1.0
GRNL CE	217	32	IAML			246	0.90		10	0.2					

**April 8 2022 Hour: 8:40 17.3 Lat: 35.46N Lon: 3.72W Depth: 1 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	481	305	EP			841	22.250	.030							1.0
MESJ HN	481	305	ES			842	9.52	-.080							1.0
MESJ HN	481	305	IAML			842	15.35		25	0.3					
GRNL CZ	523	306	EP			841	27.25	-.030							1.0
GRNL CN	523	306	ES			842	18.450	.080							1.0
GRNL CN	523	306	IAML			842	19.76		20	0.3					

**April 8 2022 Hour: 10: 4 32.0 Lat: 38.32N Lon: 9.28W Depth: 5F Agency: IGL Regional**  
**Magnitudes: 0.9ML 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	67	110	EP			10 4	42.64	-.120							1.0
GRNL CN	67	110	ES			10 4	50.770	.120							1.0
GRNL CE	67	110	IAML			10 4	51.18		5	0.1					

April 8 2022 Hour: 20: 2 22.1 Lat: 36.27N Lon: 11.34W Depth: 36F Agency: IGL Regional  
 Magnitudes: 1.6ML IGL Rms: 0.1 secs  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	266	64	EP		20	2	57.92							1.0
GRNL	CZ	320	49	EP		20	3	4.48							1.0
GRNL	CE	320	49	ES		20	3	35.75							1.0
GRNL	CN	320	49	IAML		20	3	37.32		2	0.1				
MESJ	HZ	328	57	EP		20	3	5.51							1.0

April 8 2022 Hour: 22:39 31.2 Lat: 37.33N Lon: 8.53W Depth: 7F Agency: IGL Regional  
 Magnitudes: 1.0ML IGL Rms: 0.1 secs  
**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	255	EP		2239		33.18							1.0
MORF	HE	11	255	ES		2239		35.00							1.0
MORF	HE	11	255	IAML		2239		35.34		138	0.1				
MESJ	HZ	63	26	EP		2239		41.50							1.0
MESJ	HE	63	26	ES		2239		48.81							1.0
MESJ	HN	63	26	IAML		2239		51.22		3	0.1				
GRNL	CZ	86	358	EP		2239		45.40							1.0
GRNL	CN	86	358	ES		2239		55.38							1.0
GRNL	CE	86	358	IAML		2239		55.87		5	0.1				

April 8 2022 Hour: 23:30 32.4 Lat: 37.25N Lon: 7.84W Depth: 12F Agency: IGL Regional  
 Magnitudes: 1.2ML IGL Rms: 0.1 secs  
**NE S. BRAS DE ALPORTEL, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	72	275	EP		2330		43.90							1.0
MORF	HN	72	275	ES		2330		52.66							1.0
MORF	HN	72	275	IAML		2330		54.16		10	0.2				
MESJ	HZ	74	333	EP		2330		44.37							1.0
GRNL	CZ	115	326	EP		2330		50.70							1.0

April 9 2022 Hour: 3:55 10.3 Lat: 35.46N Lon: 3.62W Depth: 16F Agency: IGL Regional  
 Magnitudes: 0.0ML IGL Rms: 0.0 secs  
**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	489	304	EP		356		14.77							1.0
MORF	HZ	496	296	EP		356		15.64							1.0
GRNL	CZ	531	305	EP		356		19.80							1.0

April 9 2022 Hour: 3:55 23.1 Lat: 35.41N Lon: 3.63W Depth: 28F Agency: IGL Regional  
 Magnitudes: 3.2ML 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	491	305	EP		356		26.76							1.0
MORF	HZ	497	297	EP		356		27.50							1.0
GRNL	CZ	533	306	EP		356		31.73							1.0
GRNL	CN	533	306	ES		357		22.19							1.0
GRNL	CN	533	306	IAML		357		27.39		36	0.2				

April 9 2022 Hour: 5:21 59.0 Lat: 36.68N Lon: 7.26W Depth: 0 Agency: IGL Regional  
 Magnitudes: 1.5ML IGL Rms: 0.1 secs  
**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	142	300	EP		522		21.70							1.0
MORF	HN	142	300	ES		522		38.71							1.0
MORF	HE	142	300	IAML		522		40.22		8	0.2				
MESJ	HZ	154	327	EP		522		23.55							1.0
MESJ	HN	154	327	ES		522		41.47							1.0
MESJ	HN	154	327	IAML		522		43.45		4	0.2				

April 9 2022 Hour: 11:18 4.9 Lat: 36.65N Lon: 9.61W Depth: 20F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	49	EP		1118	22.28	-.120							1.0
MORF	HN	112	49	ES		1118	35.17	-.010							1.0
MORF	HN	112	49	IAML		1118	36.34			8	0.1				
MESJ	HN	181	43	ES		1118	50.04	0.140							1.0
MESJ	HE	181	43	IAML		1118	50.84			2	0.1				

April 9 2022 Hour: 13:50 29.5 Lat: 35.44N 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	490	304	EP		1351	35.04	0.000							1.0

April 9 2022 Hour: 20:52 37.4 Lat: 16.32S Lon: 166.85E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17519	352	EPK	Pd $\bar{f}$		2112	33.01	0.040							1.0
GGNV	BZ17519	352	EPP			2116	44.28	0.200							0.9
GGNV	BZ17519	352	IAMs	20		2233	8.93			7563	20.8				
GRNL	BZ17576	350	EPK	Pd $\bar{f}$		2112	33.65	0.020							1.0
GRNL	BZ17576	350	EPK	Pab		2113	7.36	0.030							1.0
GRNL	BZ17576	350	IAMs	20		2225	34.33			6324	18.2				
MESJ	BZ17598	349	EPK	Pd $\bar{f}$		2112	33.76	-.140							1.0
MESJ	BZ17598	349	EPK	Pab		2113	8.17	-.060							1.0
MESJ	BZ17598	349	EPP			2116	47.97	-.050							1.0
MESJ	BZ17598	349	IAMs	20		2234	24.10			5262	19.4				
MORF	BZ17664	350	EPK	Pd $\bar{f}$		2112	34.64	-.040							1.0
MORF	BZ17664	350	EPK	Pab		2113	10.93	0.060							1.0
MORF	BZ17664	350	EPP			2116	51.29	-.040							1.0
MORF	BZ17664	350	IAMs	20		2236	40.96			5917	20.3				

April 9 2022 Hour: 22:11 37.3 Lat: 35.49N Lon: 3.67W Depth: 7F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	483	304	EP		2212	41.87	0.000							1.0

April 9 2022 Hour: 23:51 48.1 Lat: 37.31N Lon: 8.60W Depth: 9F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.1 secs

SW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	269	EP		2351	49.64	-.220							1.0
MORF	HN	5	269	ES		2351	51.25	0.130							1.0
MORF	HN	5	269	IAML		2351	51.90			23	0.1				
GRNL	CZ	89	2	EP		2352	2.49	0.010							1.0
GRNL	CN	89	2	ES		2352	13.04	0.080							1.0
GRNL	CN	89	2	IAML		2352	14.31			3	0.1				

April 10 2022 Hour: 1:13 41.5 Lat: 38.48N Lon: 8.25W Depth: 1F Agency: IGL Regional  
Magnitudes: 0.8ML IGL Rms: 0.1 secs

S MONTEMOR-O-NOVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	50	214	EP		113	49.57	0.010							1.0
GRNL	CN	50	214	ES		113	55.37	-.070							1.0
GRNL	CN	50	214	IAML		113	55.73			4	0.1				
MESJ	HZ	71	178	EP		113	53.00	-.020							1.0
MORF	HN	135	195	ES		114	19.33	0.080							1.0
MORF	HN	135	195	IAML		114	20.94			2	0.2				



April 10 2022 Hour: 2:43 55.6 Lat: 35.44N Lon: 3.73W 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	482	305	EP		245	0.740	.000							1.0

April 10 2022 Hour: 14:12 7.1 Lat: 35.49N Lon: 3.70W 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		1413	17.060	.000							1.0

April 10 2022 Hour: 14:19 53.1 Lat: 38.66N Lon: 8.23W Depth: 2F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs

**NW MONTEMOR-O-NOVO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	68	206	EP		1420	4.280	.160							1.0
GRNL	CE	68	206	ES		1420	11.99-	.160							1.0
GRNL	CE	68	206	IAML		1420	12.70			6	0.2				

April 10 2022 Hour: 14:27 24.0 Lat: 38.66N Lon: 8.24W Depth: 0 Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.1 secs

**NW MONTEMOR-O-NOVO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	68	206	EP		1427	35.000	.130							1.0
GRNL	CE	68	206	ES		1427	42.70-	.130							1.0
GRNL	CN	68	206	IAML		1427	43.61			5	0.1				

April 11 2022 Hour: 1:51 43.3 Lat: 36.75N Lon: 7.45W Depth: 21F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	139	331	EP		152	4.050	.040							1.0
MESJ	HN	139	331	ES		152	19.10-	.020							1.0
MESJ	HE	139	331	IAML		152	21.22			5	0.3				
GRNL	CZ	180	327	EP		152	9.14-	.020							1.0

April 11 2022 Hour: 1:52 32.3 Lat: 35.40N Lon: 3.62W Depth: 18F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	493	305	EP		153	37.040	.050							1.0
GRNL	CZ	535	306	EP		153	42.01-	.050							1.0

April 11 2022 Hour: 3:5 21.2 Lat: 36.72N Lon: 7.48W Depth: 26F Agency: IGL Regional  
Magnitudes: 2.6ML IGL Rms: 0.1 secs

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	123	302	EP		3	5	39.44-	.180						1.0
MORF	HN	123	302	ES		3	5	53.050	.020						1.0
MORF	HN	123	302	IAML		3	5	54.47		166	0.2				
MESJ	HZ	140	332	EP		3	5	41.870	.100						1.0
MESJ	HN	140	332	ES		3	5	56.750	.000						1.0
MESJ	HE	140	332	IAML		3	5	58.34		60	0.2				
GRNL	CZ	182	328	EP		3	5	46.940	.060						1.0

April 11 2022 Hour: 20:33 9.8 Lat: 36.27N Lon: 9.66W Depth: 5F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	146	38	EP		2033	32.940	.070							1.0
MORF	HE	146	38	ES		2033	49.750	.040							1.0
MORF	HE	146	38	IAML		2033	51.31			14	0.1				

GRNL CZ	226	25	EP		2033	42.61-	.170										1.0
GRNL CN	226	25	ES		2034	6.890.	.040										1.0
GRNL CE	226	25	IAML		2034	8.21			5	0.2							

**April 12 2022 Hour: 2:51 59.5 Lat: 35.51N Lon: 3.65W Depth: 1F Agency: IGL Regional Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	483	304	EP		253	4.73-	.000							1.0

**April 12 2022 Hour: 6:15 21.9 Lat: 37.94N Lon: 8.47W Depth: 6F Agency: IGL Regional Rms: 0.0 secs**

**SE SANTIAGO DO CACEM, PORTUGAL Net: IMP**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL CZ	20	336	EP		615	25.300.	.000							1.0
GRNL CN	20	336	ES		615	27.810.	.020							1.0
GRNL CN	20	336	IAML		615	28.11			8	0.2				
MESJ HZ	25	117	EP		615	26.03-	.020							1.0

**April 12 2022 Hour: 18: 3 13.4 Lat: 35.50N Lon: 3.66W 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	484	304	EP		18 4	18.67-	.080							1.0
MESJ HE	484	304	ES		18 5	6.490.	.010							1.0
MESJ HN	484	304	IAML		18 5	12.24			33	0.5				
GRNL CZ	525	305	EP		18 4	23.72-	.080							1.0
GRNL CN	525	305	ES		18 5	15.370.	.150							1.0
GRNL CE	525	305	IAML		18 5	23.89			25	0.2				

**April 12 2022 Hour: 21:22 49.4 Lat: 37.33N Lon: 8.55W Depth: 11F Agency: IGL Regional Rms: 0.0 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	10	252	EP		2122	51.81-	.040							1.0
MORF HE	10	252	ES		2122	53.660.	.040							1.0
MORF HE	10	252	IAML		2122	53.93			17	0.2				

**April 12 2022 Hour: 21:23 10.0 Lat: 37.35N Lon: 8.53W Depth: 9F Agency: IGL Regional Rms: 0.0 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	12	244	EP		2123	12.48-	.010							1.0
MORF HE	12	244	ES		2123	14.310.	.010							1.0
MORF HE	12	244	IAML		2123	15.06			132	0.1				

**April 13 2022 Hour: 3: 0 55.7 Lat: 4.41S Lon: 152.03E Depth:149FAgency: 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 BZ15816	335	EPK	pdf		320	9.490.	.050							1.0
GRNL BZ15816	335	EPP			323	17.11-	.060							1.0
MESJ BZ15824	334	EPK	pdf		320	9.610.	.030							1.0
MESJ BZ15824	334	EPP			323	17.62-	.020							1.0

**April 13 2022 Hour: 8:32 50.4 Lat: 35.51N Lon: 3.72W Depth: 1F Agency: IGL Regional Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	478	304	EP		833	55.050.	.040							1.0
GRNL CZ	520	305	EP		834	0.03-	.040							1.0

April 13 2022 Hour: 13:28 32.6 Lat: 37.06N Lon: 5.61W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	246	291	EP		1329	8.63	-.010							1.0
GRNL	CZ	286	295	EP		1329	13.540	.010							1.0

April 13 2022 Hour: 18:45 29.1 Lat: 37.05N Lon: 5.53W 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
GRNL	CZ	293	295	EP		1846	9.680	.000							1.0

April 14 2022 Hour: 2:58 22.2 Lat: 38.55N Lon: 7.93W Depth: 3F Agency: IGL Regional  
Magnitudes: 1.4ML 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	75	229	EP		258	34.420	.180							1.0
GRNL	CE	75	229	ES		258	43.03	-.010							1.0
GRNL	CE	75	229	IAML		258	43.60			15	0.1				
MESJ	HZ	83	198	EP		258	35.590	.000							1.0
MORF	HZ	152	205	EP		258	46.11	-.190							1.0

April 14 2022 Hour: 6:55 2.3 Lat: 36.37N Lon: 9.89W Depth: 30F Agency: IGL Regional  
Magnitudes: 2.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	151	46	EP		655	24.040	.070							1.0
MORF	HE	151	46	ES		655	39.77	-.010							1.0
MORF	HN	151	46	IAML		655	40.54			31	0.1				
MESJ	HZ	221	42	EP		655	32.560	.030							1.0
GRNL	CZ	226	31	EP		655	33.06	-.120							1.0
GRNL	CN	226	31	ES		655	55.740	.030							1.0
GRNL	CN	226	31	IAML		655	58.01			37	0.2				

April 15 2022 Hour: 1:26 17.4 Lat: 38.54N Lon: 97.23E Depth: 13F Agency: IGL Distant  
Magnitudes: 5.1Ms IGL Rms: 0.0 secs

NORTHERN QINGHAI, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8635	309	EP		138	13.820	.030							1.0
MESJ	BZ	8635	309	IAMs_20		215	21.29			905	17.8				
GRNL	BZ	8639	309	EP		138	13.98	-.030							1.0
GRNL	BZ	8639	309	IAMs_20		215	4.23			853	19.9				

April 15 2022 Hour: 3:15 8.7 Lat: 35.42N Lon: 3.66W 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	488	305	EP		316	12.77	-.030							1.0
GRNL	CZ	530	306	EP		316	17.900	.030							1.0

April 15 2022 Hour: 19:16 21.9 Lat: 36.20N Lon: 10.64W Depth: 0 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	215	55	EP		1916	54.270	.130							1.0
MORF	HE	215	55	ES		1917	17.730	.080							1.0
MORF	HN	215	55	IAML		1917	18.55			34	0.2				
GRNL	CZ	280	40	EP		1917	2.11	-.040							1.0
MESJ	HZ	282	49	EP		1917	2.25	-.090							1.0
MESJ	HE	282	49	ES		1917	31.73	-.100							1.0
MESJ	HE	282	49	IAML		1917	36.19			6	0.1				

April 16 2022 Hour: 3:43 55.8 Lat: 36.80N Lon: 9.68W Depth: 24F Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	107	58	EP		344	12.410	.060							1.0
MESJ	HZ	174	48	EP		344	20.38	-.170							1.0
GRNL	CZ	176	34	EP		344	20.75	-.050							1.0
GRNL	CN	176	34	ES		344	39.220	.150							1.0
GRNL	CN	176	34	IAML		344	40.44			3	0.1				

April 16 2022 Hour: 4:13 54.3 Lat: 35.49N Lon: 3.75W Depth: 0F 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	477	304	EP		414	58.64	-.190							1.0
MESJ	HN	477	304	ES		415	46.120	.160							1.0
MESJ	HN	477	304	IAML		415	51.35			8	0.3				
GRNL	CZ	519	305	EP		415	3.920	.030							1.0

April 16 2022 Hour: 6:13 49.4 Lat: 37.31N Lon: 9.51W Depth: 9F Agency: IGL Regional  
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	76	91	EP		614	1.70	-.100							1.0
MORF	HN	76	91	ES		614	11.000	.140							1.0
MORF	HN	76	91	IAML		614	12.56			17	0.1				
GRNL	CZ	121	43	EP		614	8.56	-.040							1.0

April 16 2022 Hour: 11:25 19.1 Lat: 38.35N Lon: 7.55W Depth: 2F Agency: IGL Regional  
Magnitudes: 0.6ML IGL Rms: 0.1 secs

S REGUENGOS DE MONSARAZ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	82	226	EP		1125	32.340	.040							1.0
MESJ	HE	82	226	ES		1125	41.970	.030							1.0
MESJ	HN	82	226	IAML		1125	43.85			0.80	0.1				
GRNL	CZ	93	254	EP		1125	34.340	.180							1.0
GRNL	CN	93	254	ES		1125	44.89	-.250							1.0
GRNL	CE	93	254	IAML		1125	47.92			3	0.1				

April 16 2022 Hour: 14:36 9.0 Lat: 35.46N Lon: 3.63W Depth: 10F Agency: IGL Regional  
Magnitudes: 3.0ML 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	488	304	EP		1437	13.77	-.030							1.0
MORF	HZ	495	296	EP		1437	14.51	-.160							1.0
GRNL	CZ	530	305	EP		1437	18.900	.040							1.0
GRNL	CN	530	305	ES		1438	10.060	.160							1.0
GRNL	CN	530	305	IAML		1438	12.72			26	0.3				

April 16 2022 Hour: 14:43 39.2 Lat: 35.43N Lon: 3.67W Depth: 16F 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	487	305	EP		1444	43.35	-.060							1.0
GRNL	CZ	529	306	EP		1444	48.550	.070							1.0

April 16 2022 Hour: 15: 2 56.6 Lat: 35.46N 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	490	304	EP		15 4	0.85	-.030							1.0
GRNL	CZ	532	305	EP		15 4	5.970	.030							1.0

April 16 2022 Hour: 18:44 59.6 Lat: 36.65N Lon: 9.67W Depth: 20F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	51	EP		1845	17.600	.030							1.0
MESJ	HZ	184	44	EP		1845	26.00-	.000							1.0
MESJ	HE	184	44	ES		1845	45.290	.010							1.0
MESJ	HN	184	44	IAML		1845	46.20			1	0.1				
GRNL	CZ	189	31	EP		1845	26.43-	.120							1.0
GRNL	CN	189	31	ES		1845	46.320	.080							1.0
GRNL	CN	189	31	IAML		1845	47.40			4	0.1				

April 16 2022 Hour: 20:57 22.8 Lat: 35.56N Lon: 3.64W Depth: 0 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	481	303	EP		2058	27.77-	.090							1.0
MORF	HZ	490	295	EP		2058	28.79-	.100							1.0
GRNL	CZ	523	304	EP		2058	32.930	.030							1.0
GRNL	CN	523	304	ES		2059	24.270	.170							1.0
GRNL	CE	523	304	IAML		2059	26.66			13	0.5				

April 16 2022 Hour: 20:58 49.8 Lat: 35.48N Lon: 3.66W 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	484	304	EP		2059	55.260	.070							1.0
MORF	HZ	491	296	EP		2059	55.92-	.160							1.0
GRNL	CZ	526	305	EP		21	0	0.350	.100						1.0

April 17 2022 Hour: 0:2 30.5 Lat: 37.35N Lon: 8.33W Depth: 22F 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	29	260	EP		0	2	36.07-	.280						1.0
MORF	HE	29	260	ES		0	2	40.58-	.010						1.0
MORF	HN	29	260	IAML		0	2	41.23			10	0.2			
MESJ	HZ	55	10	EP		0	2	39.980	.140						1.0
MESJ	HE	55	10	ES		0	2	46.710	.080						1.0
MESJ	HN	55	10	IAML		0	2	47.56			2	0.2			
GRNL	CZ	87	346	EP		0	2	44.480	.080						1.0

April 17 2022 Hour: 7:46 36.5 Lat: 15.68S Lon: 167.77E Depth: 199F Agency: IGL Distant  
Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ17521	352	EPK	pdf		8	6	7.990	.040						1.0
GRNL	BZ17521	352	EPK	Pab		8	6	41.310	.030						1.0
GRNL	BZ17521	352	EPP			810	20.990	.030							1.0
MESJ	BZ17545	352	EPK	Pab		8	6	42.19-	.060						1.0
MESJ	BZ17545	352	EPP			810	22.310	.150							1.0
MORF	BZ17610	352	EPK	pdf		8	6	8.97-	.040						1.0
MORF	BZ17610	352	EPK	Pab		8	6	44.870	.020						1.0
MORF	BZ17610	352	EPP			810	25.20-	.200							0.9

April 17 2022 Hour: 8:57 22.2 Lat: 36.94N Lon: 8.72W Depth: 18F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	41	8	EP		857	29.19-	.100							1.0
MORF	HE	41	8	ES		857	34.510	.020							1.0
MORF	HE	41	8	IAML		857	35.52				17	0.2			
MESJ	HN	109	24	ES		857	52.090	.050							1.0

MESJ HN	109	24	IAML	857	53.55				2	0.2					
GRNL CE	131	6	ES	857	56.670	.020									1.0
GRNL CN	131	6	IAML	857	57.84						5	0.1			

**April 17 2022 Hour: 12: 0 6.3 Lat: 35.44N Lon: 3.71W Depth: 0 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	483	305	EP			12	1	11.710	.060						1.0
GRNL CZ	525	306	EP			12	1	16.64-	.080						1.0
GRNL CN	525	306	ES			12	2	8.120	.010						1.0
GRNL CE	525	306	IAML			12	2	9.92			6	0.2			

**April 17 2022 Hour: 12:49 54.0 Lat: 35.47N Lon: 3.63W Depth: 5F Agency: IGL Regional**  
**Magnitudes: 2.5ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	487	304	EP			1250		59.300	.010						1.0
MESJ HN	487	304	ES			1251		47.010	.040						1.0
MESJ HN	487	304	IAML			1251		48.61			8	0.3			
GRNL CZ	529	305	EP			1251		4.29-	.050						1.0

**April 17 2022 Hour: 17:39 3.0 Lat: 38.51N Lon: 8.23W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 0.3ML IGL Rms: 0.0 secs**

**S MONTEMOR-O-NOVO, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL CZ	54	213	EP			1739		11.820	.030						1.0
GRNL CN	54	213	ES			1739		18.14-	.040						1.0
GRNL CN	54	213	IAML			1739		19.14			2	0.1			
MESJ HE	75	179	ES			1739		24.050	.020						1.0
MESJ HE	75	179	IAML			1739		24.75		0.80	0.1				

**April 17 2022 Hour: 18:35 53.3 Lat: 36.55N Lon: 9.56W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	116	43	EP			1836		11.53-	.060						1.0
MESJ HZ	186	39	EP			1836		20.270	.010						1.0
GRNL CZ	194	26	EP			1836		21.09-	.150						1.0
GRNL CN	194	26	ES			1836		41.860	.200						1.0
GRNL CN	194	26	IAML			1836		42.99			9	0.1			

**April 17 2022 Hour: 21: 8 55.2 Lat: 37.38N Lon: 8.52W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 0.6ML IGL Rms: 0.0 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	14	237	EP			21	8	58.09-	.020						1.0
MORF HE	14	237	ES			21	9	0.230	.020						1.0
MORF HN	14	237	IAML			21	9	0.74			20	0.2			

**April 18 2022 Hour: 11: 1 56.9 Lat: 37.25N Lon: 8.74W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.1 secs**

**SE ALJEZUR, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	10	50	EP			11	1	59.910	.070						1.0
MORF HN	10	50	ES			11	2	1.91-	.070						1.0
MORF HE	10	50	IAML			11	2	2.68			34	0.3			

April 18 2022 Hour: 15: 8 4.9 Lat: 36.54N Lon: 6.96W Depth: 23F Agency: IGL Regional  
Magnitudes: 2.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	173	300	ES		15 8	48.04	-.170							1.0
MORF	HE	173	300	IAML		15 8	49.41			27	0.1				
MESJ	HZ	182	323	EP		15 8	31.05	-.010							1.0
MESJ	HN	182	323	ES		15 8	50.210	.030							1.0
MESJ	HN	182	323	IAML		15 8	51.39			9	0.1				
GRNL	CZ	225	321	EP		15 8	36.30	-.030							1.0
GRNL	CE	225	321	ES		15 8	59.470	.180							1.0
GRNL	CN	225	321	IAML		15 9	0.39			11	0.2				

April 18 2022 Hour: 16:21 46.8 Lat: 36.70N Lon: 8.22W Depth: 25F Agency: IGL Regional  
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	78	330	EP		1621	59.420	.060							1.0
MORF	HN	78	330	ES		1622	8.520	.000							1.0
MORF	HE	78	330	IAML		1622	9.82			27	0.2				
MESJ	HZ	127	360	EP		1622	5.800	.100							1.0
MESJ	HN	127	360	ES		1622	19.44	-.050							1.0
MESJ	HE	127	360	IAML		1622	20.10			2	0.1				
GRNL	CZ	160	349	EP		1622	9.66	-.120							1.0

April 19 2022 Hour: 1:23 7.1 Lat: 7.29N Lon: 126.95E Depth: 19F Agency: IGL Distant  
Magnitudes: 6.1Ms IGL Rms: 0.0 secs

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13212	320	EPKpdf			141	53.70	-.020							1.0
MESJ	BZ13212	320	EPP			143	11.60	-.040							1.0
MESJ	BZ13212	320	IAMs_20			242	7.63			3283	14.5				
GGNV	BZ13216	322	EPP			143	11.89	-.010							1.0
GGNV	BZ13216	322	IAMs_20			241	29.47			5882	29.7				
GRNL	BZ13218	321	EPKpdf			141	53.81	-.010							1.0
GRNL	BZ13218	321	EPP			143	12.110	.090							1.0
GRNL	BZ13218	321	IAMs_20			237	41.76			5466	18.6				

April 19 2022 Hour: 4:33 42.2 Lat: 21.51S Lon: 173.80W Depth: 10F Agency: IGL Distant  
Magnitudes: 6.1Ms IGL Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17621	34	EPKpdf			453	39.100	.110							1.0
GGNV	BZ17621	34	EPP			457	54.08	-.050							1.0
GGNV	BZ17621	34	IAMs_20			554	45.62			3732	31.5				
GRNL	BZ17706	34	EPKpdf			453	40.000	.080							1.0
GRNL	BZ17706	34	EPP			457	58.16	-.110							1.0
GRNL	BZ17706	34	IAMs_20			559	10.32			4108	31.9				
MESJ	BZ17748	34	EPKpdf			453	40.430	.050							1.0
MESJ	BZ17748	34	EPP			458	0.27	-.090							1.0
MESJ	BZ17748	34	IAMs_20			555	59.90			3261	24.1				
MORF	BZ17766	36	EPKpdf			453	40.630	.010							1.0
MORF	BZ17766	36	IAMs_20			6 0	31.08			3462	20.2				

April 19 2022 Hour: 17:58 20.2 Lat: 37.27N Lon: 8.66W Depth: 20F Agency: IGL Regional  
Magnitudes: 1.2ML 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	4	10	EP		1758	23.600	.070							1.0
MORF	HE	4	10	ES		1758	25.93	-.000							1.0
MORF	HE	4	10	IAML		1758	26.95			107	0.1				
MESJ	HZ	74	31	EP		1758	32.360	.090							1.0
MESJ	HN	74	31	ES		1758	41.04	-.010							1.0

MESJ HE	74	31	IAML	1758	42.30				9	0.2							
GRNL CZ	93	5	EP	1758	35.08	-.050											1.0
GRNL CE	93	5	ES	1758	45.89	-.110											1.0
GRNL CE	93	5	IAML	1758	46.97				4	0.1							

**April 20 2022 Hour: 5:13 7.8 Lat: 22.91S Lon: 170.83E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.3Ms IGL Rms: 0.1 secs**

**SOUTHEAST OF LOYALTY ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18274	360	EPKPdf			533	10.90	-.030							1.0
GGNV	BZ18274	360	EPP			537	51.51	0.270							0.9
GGNV	BZ18274	360	IAMs_20			646	35.09		5707	21.1					
GRNL	BZ18341	358	EPKPdf			533	11.45	-.030							1.0
GRNL	BZ18341	358	EPP			537	54.27	-.110							1.0
GRNL	BZ18341	358	IAMs_20			647	22.92		4390	19.4					
MESJ	BZ18369	357	EPKPdf			533	11.78	0.060							1.0
MESJ	BZ18369	357	EPP			537	55.61	-.110							1.0
MESJ	BZ18369	357	IAMs_20			649	22.56		3426	17.4					
MORF	BZ18431	358	EPKPdf			533	12.24	-.000							1.0
MORF	BZ18431	358	IAMs_20			647	14.46		3330	17.1					

**April 20 2022 Hour: 13:19 12.4 Lat: 27.24S Lon: 66.38W Depth: 171F Agency: IGL Distant  
Magnitudes: 5.2Mb IGL Rms: 0.0 secs**

**CATAMARCA, ARGENTINA Net: GFZ**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9409	42	EP		1331	26.34	-.030							1.0
GRNL	BZ	9409	42	IAMB		1331	28.11		59	1.3					
MESJ	BZ	9413	42	EP		1331	26.59	0.030							1.0
MESJ	BZ	9413	42	IAMB		1331	28.11		43	1.2					

**April 20 2022 Hour: 13:35 30.7 Lat: 38.08N Lon: 8.42W Depth: 8F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

**SE GRANDOLA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	13	282	EP		1335	33.33	0.120							1.0
GRNL	CN	13	282	ES		1335	34.99	-.040							1.0
GRNL	CE	13	282	IAML		1335	35.30		108	0.1					
MESJ	HZ	33	147	EP		1335	36.20	0.070							1.0
MESJ	HE	33	147	ES		1335	39.93	-.150							1.0
MESJ	HN	33	147	IAML		1335	41.48		9	0.1					

**April 20 2022 Hour: 20: 9 56.9 Lat: 35.50N Lon: 3.52W Depth: 23F 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	494	303	EP		2011	1.63	0.070							1.0
GRNL	CZ	536	304	EP		2011	6.52	-.080							1.0

**April 20 2022 Hour: 20:59 27.9 Lat: 35.42N Lon: 3.66W Depth: 7F Agency: IGL Regional  
Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	488	305	EP		21	0	33.06	0.020						1.0
GRNL	CZ	530	306	EP		21	0	38.09	-.020						1.0

**April 20 2022 Hour: 21:57 44.5 Lat: 6.99N Lon: 126.93E Depth: 27F Agency: IGL Distant  
Magnitudes: 6.0Ms IGL Rms: 0.1 secs**

**MINDANAO, PHILIPPINES Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13236	320	EPKPdf			2216	30.11	-.170							1.0
MESJ	BZ13236	320	EPP			2217	49.48	0.100							1.0
MESJ	BZ13236	320	IAMs_20			2317	6.11		2109	18.0					
GGNV	BZ13241	322	EPP			2217	49.69	0.020							1.0
GGNV	BZ13241	322	IAMs_20			2316	9.38		3471	19.0					



GRNL	BZ13242	321	EPKPdf	2216	30.27-.110												1.0
GRNL	BZ13242	321	EPP	2217	49.840.080												1.0
GRNL	BZ13242	321	IAMs_20	2312	20.89				3567	19.7							
MORF	BZ13302	320	EPP	2217	53.610.070												1.0
MORF	BZ13302	320	IAMs_20	2318	13.63				2879	17.0							

**April 20 2022 Hour: 22:35 50.7 Lat: 36.67N Lon: 7.20W Depth: 17F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	158	325	EP		2236	13.97-.110								1.0
MESJ	HE	158	325	ES		2236	31.280.110								1.0
MESJ	HE	158	325	IAML		2236	31.98			2	0.1				

**April 21 2022 Hour: 7:42 44.0 Lat: 11.66N Lon: 86.92W Depth: 24F Agency: IGL Distant**  
**Magnitudes: 7.0Ms IGL Rms: 0.1 secs**

**NEAR COAST OF NICARAGUA Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8158	53	EP		754	13.680.030								1.0
GGNV	BZ	8158	53	IAMs_20		821	32.99			86920	20.8				
MORF	BZ	8208	54	EP		754	16.430.090								1.0
MORF	BE	8208	54	ES		8 3	46.900.200								1.0
MORF	BZ	8208	54	IAMs_20		820	0.63			91257	29.3				
GRNL	BZ	8211	54	EP		754	16.31-.170								1.0
GRNL	BE	8211	54	ES		8 3	46.97-.010								1.0
GRNL	BZ	8211	54	IAMs_20		820	10.25			87161	23.6				
MESJ	BZ	8243	54	EP		754	17.99-.180								1.0
MESJ	BE	8243	54	ES		8 3	50.260.040								1.0
MESJ	BZ	8243	54	IAMs_20		820	22.43			95148	28.7				

**April 21 2022 Hour: 12:21 43.0 Lat: 36.66N Lon: 7.09W 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
MESJ	HZ	165	323	EP		1222	7.13-.090								1.0
GRNL	CZ	207	321	EP		1222	12.44-.050								1.0
GRNL	CN	207	321	ES		1222	34.140.140								1.0
GRNL	CN	207	321	IAML		1222	35.02				1	0.1			

**April 21 2022 Hour: 20:21 2.0 Lat: 37.32N Lon: 8.56W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.1 secs**

**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	260	EP		2021	3.91-.110								1.0
MORF	HE	8	260	ES		2021	5.600.080								1.0
MORF	HE	8	260	IAML		2021	6.00				21	0.1			
GRNL	CN	88	359	ES		2021	26.480.030								1.0
GRNL	CN	88	359	IAML		2021	27.21				2	0.1			

**April 22 2022 Hour: 21: 7 49.3 Lat: 43.07N Lon: 18.16E Depth: 5F Agency: IGL Distant**  
**Magnitudes: 5.5Ms IGL Rms: 0.1 secs**

**BOSNIA HERZEGOVINA Net: CSEM**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2301	264	EP		2112	30.460.110								1.0
MESJ	BE	2301	264	ES		2116	22.90-.140								1.0
MESJ	BZ	2301	264	IAMs_20		2121	55.95			13745	14.5				
GRNL	BZ	2318	265	EP		2112	31.97-.010								1.0
GRNL	BE	2318	265	ES		2116	26.060.030								1.0
GRNL	BN	2318	265	IAMs_20		2120	44.24			13160	14.0				
GGNV	BE	2340	267	ES		2116	30.100.090								1.0
GGNV	BN	2340	267	IAMs_20		2121	0.84			17928	10.9				
MORF	BE	2360	263	ES		2116	33.51-.080								1.0
MORF	BE	2360	263	IAMs_20		2122	26.68			13238	14.9				

April 23 2022 Hour: 2:34 1.2 Lat: 35.44N Lon: 3.69W Depth: 0 Agency: IGL Regional  
Magnitudes: 2.8ML 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
MESJ	HZ	485	305	EP		235	6.75	-.010							1.0
MESJ	HN	485	305	ES		235	54.620	.030							1.0
MESJ	HN	485	305	IAML		235	57.24			17	0.3				
GRNL	CZ	527	306	EP		235	11.81	-.020							1.0

April 23 2022 Hour: 10:53 48.6 Lat: 37.28N Lon: 8.04W Depth: 11F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.2 secs

N LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	55	272	EP		1053	57.27	-.320							1.0
MORF	HE	55	272	ES		1054	4.200	.030							1.0
MORF	HN	55	272	IAML		1054	6.08			21	0.1				
MESJ	HZ	64	345	EP		1053	59.010	.070							1.0
MESJ	HN	64	345	ES		1054	6.750	.230							1.0
MESJ	HN	64	345	IAML		1054	10.02			8	0.1				

April 23 2022 Hour: 11:47 56.6 Lat: 35.83N Lon: 6.34W Depth: 24F Agency: IGL Regional  
Magnitudes: 1.1ML 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	279	324	EP		1148	34.50	-.030							1.0
MESJ	HE	279	324	ES		1149	2.230	.030							1.0
MESJ	HE	279	324	IAML		1149	4.44			1.00	0.1				

April 24 2022 Hour: 1:7 36.7 Lat: 37.18N Lon: 8.56W Depth: 14F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.2 secs

NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	328	EP		17	39.85	-.290							1.0
MORF	HE	16	328	ES		17	42.820	.160							1.0
MORF	HE	16	328	IAML		17	43.00			32	0.2				
MESJ	HZ	79	22	EP		17	49.430	.120							1.0
GRNL	CN	103	359	ES		18	4.810	.020							1.0
GRNL	CN	103	359	IAML		18	5.82			1.00	0.2				

April 24 2022 Hour: 1:35 0.4 Lat: 46.03N Lon: 152.79E Depth: 20F Agency: IGL Distant  
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ10511	345	EP			148	19.07	-.080							1.0
GRNL	BZ10511	345	IAMs_20			236	17.72			4031	18.2				
MESJ	BZ10533	345	EP			148	20.080	.000							1.0
MESJ	BN10533	345	ESKSac			158	54.600	.070							1.0
MESJ	BZ10533	345	IAMs_20			238	42.71			3317	20.0				

April 24 2022 Hour: 4:27 54.3 Lat: 43.05N Lon: 18.15E Depth: 19F Agency: IGL Distant  
Magnitudes: 4.7Mb IGL Rms: 0.0 secs

BOSNIA HERZEGOVINA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2300	264	EP		432	33.26	-.000							1.0
MESJ	BZ	2300	264	IAMB		432	37.49			47	1.4				

April 24 2022 Hour: 23:31 53.6 Lat: 37.83N Lon: 7.34W Depth: 5F Agency: IGL Regional  
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NE MINAS DE S. DOMINGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	78	271	EPg		2332	6.240	.040							1.0
MESJ	HE	78	271	ES		2332	15.450	.050							1.0
MESJ	HE	78	271	IAML		2332	16.85			8	0.1				

GRNL	CZ	113	286	EP	2332	11.55	-.180										1.0
GRNL	CN	113	286	ES	2332	24.970	.020										1.0
GRNL	CN	113	286	IAML	2332	26.33			12	0.1							
MORF	HZ	130	244	EPg	2332	14.65	-.020										1.0
MORF	HN	130	244	ES	2332	29.760	.090										1.0
MORF	HE	130	244	IAML	2332	31.21			8	0.2							

**April 24 2022 Hour: 23:34 3.5 Lat: 39.42N Lon: 10.30W Depth: 18F Agency: IGL Regional Rms: 0.1 secs**

**NORTH ATLANTIC OCEAN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	209	133	EP		2334	33.380	.120							1.0
MESJ	HZ	252	133	EP		2334	38.640	.060							1.0
MORF	HZ	275	148	EP		2334	41.31	-.190							1.0

**April 25 2022 Hour: 2:50 20.3 Lat: 36.83N Lon: 7.48W 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
MORF	HZ	117	297	EP		250	37.77	-.000							1.0
MORF	HE	117	297	ES		250	50.570	.000							1.0
MORF	HE	117	297	IAML		250	51.48		2	0.2					

**April 25 2022 Hour: 4:37 42.5 Lat: 37.25N Lon: 8.64W Depth: 15F Agency: IGL Regional Rms: 0.1 secs**

**SW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	349	EP		437	45.06	-.150							1.0
MORF	HN	6	349	ES		437	47.16	-.020							1.0
MORF	HE	6	349	IAML		437	47.85		16	0.1					
MESJ	HZ	76	29	EP		437	54.910	.250							1.0
GRNL	CN	96	4	ES		438	8.75	-.070							1.0
GRNL	CN	96	4	IAML		438	9.12		5	0.2					

**April 25 2022 Hour: 5:35 50.6 Lat: 46.01N Lon: 152.81E Depth: 10F Agency: IGL Distant Rms: 0.1 secs**

**KURIL ISLANDS Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ10513	345	EP			549	11.02	-.120							1.0
GRNL	BZ10513	345	IAMs_20			637	48.79		587	21.4					
MESJ	BZ10536	345	EP			549	12.06	-.010							1.0
MESJ	BZ10536	345	IAMs_20			640	27.78		679	16.1					
MORF	BZ10602	345	EP			549	14.970	.120							1.0
MORF	BZ10602	345	IAMs_20			639	36.02		619	17.6					

**April 25 2022 Hour: 9:34 35.8 Lat: 31.67N Lon: 5.87W Depth: 0 Agency: IGL Regional Rms: 0.1 secs**

**MOROCCO Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	675	339	EP		936	4.36	-.060							1.0
MESJ	HZ	717	343	EP		936	9.530	.060							1.0

**April 25 2022 Hour: 16:31 30.6 Lat: 54.58N Lon: 156.26W Depth: 10F Agency: IGL Distant Rms: 0.1 secs**

**SOUTH OF ALASKA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9285	25	EP		1643	58.46	-.170							1.0
GRNL	BE	9285	25	ESKSac		1654	21.040	.120							1.0
GRNL	BZ	9285	25	IAMs_20		1726	1.99		946	15.7					
MESJ	BZ	9323	25	EP		1644	0.530	.140							1.0
MESJ	BN	9323	25	ESKSac		1654	23.15	-.030							1.0
MESJ	BZ	9323	25	IAMs_20		1726	12.61		1043	20.6					
MORF	BZ	9368	25	EP		1644	2.44	-.050							1.0
MORF	BZ	9368	25	IAMs_20		1728	32.09		1027	15.4					

April 25 2022 Hour: 17:11 17.2 Lat: 36.88N Lon: 10.27W Depth: 30F Agency: IGL Regional  
Magnitudes: 1.2ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	152	71	EP		1711	38.92	-.000							1.0
GRNL	CZ	203	47	EP		1711	45.24	-.060							1.0
GRNL	CE	203	47	ES		1712	5.84	0.060							1.0
GRNL	CE	203	47	IAML		1712	8.05			2	0.1				

April 25 2022 Hour: 18:51 9.0 Lat: 36.87N Lon: 8.72W Depth: 24F 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	49	7	EP		1851	17.48	-.050							1.0
MORF	HE	49	7	ES		1851	23.80	0.070							1.0
MORF	HN	49	7	IAML		1851	24.58			8	0.1				
MESJ	HE	117	22	ES		1851	39.59	-.030							1.0
MESJ	HE	117	22	IAML		1851	40.32			1.00	0.1				

April 26 2022 Hour: 15:23 1.7 Lat: 35.90N Lon: 8.80W Depth: 31F Agency: IGL Regional  
Magnitudes: 1.8ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	156	5	EP		1523	22.99	-.110							1.0
MORF	HN	156	5	ES		1523	38.83	0.100							1.0
MORF	HE	156	5	IAML		1523	40.10			10	0.1				
MESJ	HZ	221	13	EP		1523	31.18	0.040							1.0
GRNL	CZ	245	5	EP		1523	34.01	-.180							1.0
GRNL	CN	245	5	ES		1523	58.06	0.150							1.0
GRNL	CN	245	5	IAML		1524	0.07			5	0.1				

April 26 2022 Hour: 15:34 46.1 Lat: 35.48N Lon: 3.68W Depth: 8F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	483	304	EP		1535	50.55	0.020							1.0
GRNL	CZ	525	305	EP		1535	55.56	-.020							1.0

April 26 2022 Hour: 19:17 9.9 Lat: 36.05N Lon: 7.61W Depth: 37F 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	168	327	EP		1917	33.39	-.160							1.0
MESJ	HN	206	345	ES		1917	59.10	0.090							1.0
MESJ	HN	206	345	IAML		1918	0.85			2	0.1				
GRNL	CZ	244	340	EP		1917	42.99	0.010							1.0
GRNL	CN	244	340	ES		1918	7.22	0.070							1.0
GRNL	CN	244	340	IAML		1918	8.34			3	0.2				

April 26 2022 Hour: 22:43 57.6 Lat: 36.05N Lon: 7.89W Depth: 20F 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	155	334	EP		2244	20.50	0.070							1.0
MESJ	HZ	201	352	EP		2244	26.17	0.090							1.0
GRNL	CZ	236	345	EP		2244	30.47	-.020							1.0
GRNL	CE	236	345	ES		2244	54.33	-.150							1.0
GRNL	CN	236	345	IAML		2245	3.59			11	0.1				

April 27 2022 Hour: 0:25 45.3 Lat: 36.44N Lon: 11.38W 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	262	68	EP		026	21.760	.040							1.0
GRNL	CZ	311	53	EP		026	27.61	-.170							1.0
GRNL	CN	311	53	ES		026	59.020	.220							1.0
GRNL	CN	311	53	IAML		027	0.65			2	0.2				
MESJ	HZ	321	60	EP		026	29.00	-.070							1.0
MESJ	HN	321	60	ES		027	1.02	-.010							1.0
MESJ	HN	321	60	IAML		027	3.33			2	0.2				

April 27 2022 Hour: 1:51 54.1 Lat: 35.95N Lon: 22.56E Depth: 66F Agency: IGL Distant  
Magnitudes: 4.6Mb IGL Rms: 0.0 secs

CENTRAL MEDITERRANEAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2739	284	EP		157	8.450	.000							1.0
MESJ	BZ	2739	284	IAMB		157	9.91			19	0.9				

April 27 2022 Hour: 7:24 45.8 Lat: 36.54N Lon: 9.76W Depth: 14F Agency: IGL Regional  
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	130	49	EP		725	5.94	-.150							1.0
MORF	HN	130	49	ES		725	21.030	.150							1.0
MORF	HN	130	49	IAML		725	21.51			3	0.2				

April 27 2022 Hour: 8:25 3.8 Lat: 37.31N Lon: 8.56W Depth: 13F 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	8	262	EP		825	6.24	-.120							1.0
MORF	HE	8	262	ES		825	8.290	.060							1.0
MORF	HN	8	262	IAML		825	8.99			23	0.1				
GRNL	CN	88	359	ES		825	28.120	.060							1.0
GRNL	CN	88	359	IAML		825	28.76			3	0.2				

April 27 2022 Hour: 14: 8 23.3 Lat: 37.44N Lon: 3.92W Depth: 20F Agency: IGL Regional  
Magnitudes: 2.3ML 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	382	278	EP		14	9	14.310	.010						1.0
MESJ	HE	382	278	ES		14	9	51.34	-.190						1.0
MESJ	HN	382	278	IAML		14	9	53.77		5	0.2				
GRNL	CZ	416	282	EP		14	9	18.610	.110						1.0
GRNL	CN	416	282	ES		14	9	58.900	.110						1.0
GRNL	CE	416	282	IAML		1410	1.42			18	0.3				
MORF	HZ	419	269	EP		14	9	18.88	-.040						1.0

April 28 2022 Hour: 3:33 41.2 Lat: 56.36N Lon: 156.52W Depth: 50F Agency: IGL Distant  
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9032	25	EP		345	51.760	.020							1.0
GGNV	BZ	9032	25	IAMB		345	53.47			96	0.9				
GRNL	BZ	9112	25	EP		345	55.640	.110							1.0
GRNL	BZ	9112	25	IAMB		345	56.77			71	0.7				
GRNL	BE	9112	25	ES		356	5.91	-.090							1.0
MESJ	BZ	9149	25	EP		345	57.410	.100							1.0
MESJ	BZ	9149	25	IAMB		345	58.38			31	1.1				
MESJ	BE	9149	25	ES		356	9.35	-.130							1.0
MORF	BZ	9195	25	EP		345	59.48	-.020							1.0
MORF	BZ	9195	25	IAMB		346	1.21			58	0.9				

April 28 2022 Hour: 9:20 13.5 Lat: 35.44N Lon: 3.71W 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	483	305	EP		921	18.56	-.010							1.0
GRNL	CZ	525	306	EP		921	23.660	.010							1.0

April 28 2022 Hour: 13:21 13.1 Lat: 3.90S Lon: 146.66E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.3Ms IGL Rms: 0.1 secs

**BISMARCK SEA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ15488	330	EPKp	df		1340	39.62	-.010							1.0
GRNL	BZ15488	330	EPP			1343	32.88	-.100							1.0
GRNL	BN15488	330	IAMs	_20		1442	8.91		7344	26.7					
MESJ	BZ15491	329	EPP			1343	33.270	.110							1.0
MESJ	BZ15491	329	IAMs	_20		1441	41.89		5066	20.3					
MORF	BZ15561	329	EPKp	df		1340	40.890	.000							1.0
MORF	BZ15561	329	IAMs	_20		1442	11.19		6022	24.0					

April 29 2022 Hour: 0:25 16.9 Lat: 38.27N Lon: 6.33W Depth: 2F Agency: IGL Regional  
Magnitudes: 2.3ML IGL Rms: 0.0 secs

**SPAIN Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	172	254	EPg		025	44.780	.070							1.0
MESJ	HE	172	254	ESg		026	5.01	-.000							1.0
MESJ	HE	172	254	IAML		026	7.11		17	0.2					
GRNL	CZ	197	265	EPg		025	48.630	.000							1.0
GRNL	CE	197	265	ESg		026	11.71	-.070							1.0
GRNL	CE	197	265	IAML		026	13.11		38	0.2					

April 29 2022 Hour: 15:33 15.6 Lat: 36.72N Lon: 7.32W Depth: 24F 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	HE	135	299	ES		1533	50.21	-.110							1.0
MORF	HE	135	299	IAML		1533	51.04		12	0.1					
MESJ	HZ	148	328	EP		1533	37.21	-.030							1.0
MESJ	HN	148	328	ES		1533	53.030	.020							1.0
MESJ	HN	148	328	IAML		1533	54.14		2	0.1					
GRNL	CN	190	325	ES		1534	2.140	.130							1.0
GRNL	CE	190	325	IAML		1534	3.43		1	0.1					

April 30 2022 Hour: 1:41 39.7 Lat: 37.32N Lon: 8.63W Depth: 15F Agency: IGL Regional  
Magnitudes: 1.0ML IGL Rms: 0.0 secs

**W MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	233	EP		141	42.20	-.030							1.0
MORF	HN	3	233	ES		141	44.090	.030							1.0
MORF	HE	3	233	IAML		141	44.39		54	0.1					

April 30 2022 Hour: 16:45 40.5 Lat: 36.92N Lon: 8.71W Depth: 26F Agency: IGL Regional  
Magnitudes: 0.3ML IGL Rms: 0.1 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	7	EP		1645	48.350	.150							1.0
MORF	HE	43	7	ES		1645	53.70	-.150							1.0
MORF	HE	43	7	IAML		1645	54.84		2	0.1					