

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

May to June

2023

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

May 1 2023 Hour: 1:57 54.0 Lat: 38.18N Lon: 8.72W Depth: 18F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs
NE MELIDES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	16	119	EP		157	57.81	0.060							1.0
GRNL	CN	16	119	ES		158	0.62	0.110							1.0
GRNL	CE	16	119	IAML		158	1.11			5	0.1				
MESJ	HZ	58	130	EP		158	3.36	-.170							1.0

May 1 2023 Hour: 2:41 23.1 Lat: 39.36N Lon: 15.76E Depth: 266F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 1.4 secs
SOUTHERN ITALY Net: INGV

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2090	273	EP		245	24.70	1.50							1.0
MESJ	BZ	2090	273	IAMB		245	25.84			122	1.1				
MESJ	BE	2090	273	ES		248	42.03	-1.40							1.0
GRNL	BZ	2114	274	EP		245	27.07	1.58							1.0
GRNL	BZ	2114	274	IAMB		245	28.59			161	0.9				
GRNL	BE	2114	274	ES		248	46.62	-.990							1.0
MORF	BZ	2140	272	EP		245	29.02	0.920							1.0
MORF	BZ	2140	272	IAMB		245	32.59			27	0.4				
MORF	BE	2140	272	ES		248	50.76	-1.60							1.0

May 1 2023 Hour: 3:22 9.9 Lat: 26.01N Lon: 128.58E Depth: 11F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.0 secs
RYUKYU ISLANDS, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11618	327	EPP			340	33.33	0.010							1.0
GGNV	BZ11618	327	IAMS_20			430	27.92			15268	17.5				
GRNL	BZ11639	326	EPP			340	34.74	0.020							1.0
GRNL	BN11639	326	IAMS_20			430	37.43			10644	14.1				
MESJ	BZ11643	326	EPP			340	34.98	0.010							1.0
MESJ	BZ11643	326	IAMS_20			430	6.15			10149	19.7				
MORF	BZ11713	326	EPP			340	39.67	-.040							1.0
MORF	BZ11713	326	IAMS_20			432	1.20			10039	17.2				

May 1 2023 Hour: 6:18 23.0 Lat: 36.68N Lon: 11.26W Depth: 30F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	242	73	EP		618	55.87	-.030							1.0
MORF	HN	242	73	ES		619	19.92	-.030							1.0
MORF	HN	242	73	IAML		619	20.96			8	0.1				
GRNL	CZ	286	56	EP		619	1.28	-.030							1.0
GRNL	CE	286	56	ES		619	29.38	0.080							1.0
GRNL	CN	286	56	IAML		619	32.79			6	0.1				

May 1 2023 Hour: 7:59 37.6 Lat: 25.94N Lon: 128.55E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs
RYUKYU ISLANDS, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ11644	326	EPP			818	2.90	0.010							1.0
GRNL	BZ11644	326	IAMS_20			910	4.93			924	13.3				
MESJ	BZ11647	326	EPP			818	3.12	-.010							1.0
MESJ	BZ11647	326	IAMS_20			9 7	34.06			1276	13.7				

May 1 2023 Hour: 9:31 9.8 Lat: 7.38S Lon: 74.61W Depth: 13F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs
NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8438	49	EP		942	55.99	0.100							1.0
MORF	BZ	8438	49	IAMB		942	57.46			27	0.9				
GRNL	BZ	8477	48	EP		942	57.78	-.030							1.0

GRNL BZ 8477	48	IAmb	942	59.48		27	1.1								
MESJ BZ 8495	48	EP	942	58.68-.070											1.0
MESJ BZ 8495	48	IAmb	943	0.23		14	1.0								

May 1 2023 Hour: 10:55 55.8 Lat: 22.14S Lon: 179.42W Depth:570F Agency: IGL Distant Rms: 0.1 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ18052	24	EP	KP	df	1114	51.88-.030								1.0
GRNL	BZ18052	24	EP	K	Pab	1115	43.41-.040								1.0
GRNL	BZ18052	24	EPP			1119	29.970.240								0.9
MESJ	BZ18093	24	EP	K	P	df	1114	52.390.100							1.0
MESJ	BZ18093	24	EP	K	Pab	1115	44.93-.150								1.0
MESJ	BZ18093	24	EPP			1119	31.44-.220								0.9
MORF	BZ18126	26	EP	K	P	df	1114	52.740.110							1.0

May 1 2023 Hour: 12: 8 23.8 Lat: 36.80N Lon: 8.25W Depth: 0 Agency: IGL Regional Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	67	327	EP		12 8	34.50-.150								1.0
GRNL	CN	148	349	ES		12 9	5.210.160								1.0
GRNL	CE	148	349	IAML		12 9	7.12		0.80	0.2					

May 1 2023 Hour: 15: 6 5.5 Lat: 39.62N Lon: 20.60E Depth: 18F Agency: IGL Distant Rms: 0.0 secs

GREECE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ 2503	275	EP			1511	4.18-.000								1.0
MESJ	BZ 2503	275	IAMB			1511	8.66		24	1.3					

May 1 2023 Hour: 18:29 36.4 Lat: 36.06N Lon: 10.01W Depth: 29F Agency: IGL Regional Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	184	41	EP		1830	2.220.030								1.0
MORF	HN	184	41	ES		1830	20.92-.060								1.0
MORF	HN	184	41	IAML		1830	22.62		5	0.1					
GRNL	CZ	261	29	EP		1830	11.53-.210								1.0
GRNL	CN	261	29	ES		1830	37.750.240								1.0
GRNL	CN	261	29	IAML		1830	39.54		8	0.2					

May 2 2023 Hour: 2:45 14.5 Lat: 37.32N Lon: 8.61W Depth: 16F Agency: IGL Regional 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	4	247	EP		245	17.14-.030								1.0
MORF	HN	4	247	ES		245	19.160.030								1.0
MORF	HN	4	247	IAML		245	19.54		15	0.2					

May 2 2023 Hour: 5: 9 52.9 Lat: 35.33N Lon: 3.59W Depth: 29F 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	499	305	EP		510	57.520.060								1.0
GRNL	CZ	541	306	EP		511	2.48-.060								1.0

May 2 2023 Hour: 9: 3 43.1 Lat: 37.78N Lon: 12.61W Depth: 40F 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	354	97	EP		9 4	27.32-.200								1.0
MORF	HE	354	97	ES		9 4	59.930.020								1.0
MORF	HE	354	97	IAML		9 5	0.67		3	0.2					

GRNL CZ	357	83	EP	9	4	27.980.090											1.0
GRNL CN	357	83	ES	9	5	0.570.020											1.0
GRNL CE	357	83	IAML	9	5	1.99			1.00	0.1							
MESJ HZ	387	88	EP	9	4	31.570.060											1.0

May 2 2023 Hour: 10: 7 8.4 Lat: 36.68N Lon: 8.37W Depth: 24F 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	74	340	EP		10	7	20.34-.150							1.0
MORF	HN	74	340	ES		10	7	29.430.150							1.0
MORF	HE	74	340	IAML		10	7	30.26		8	0.2				

May 2 2023 Hour: 18: 3 46.9 Lat: 36.75N Lon: 9.70W Depth: 32F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	112	56	EP		18	4	3.590.000							1.0
MORF	HN	112	56	ES		18	4	15.790.050							1.0
MORF	HN	112	56	IAML		18	4	17.37		15	0.2				
MESJ	HZ	178	47	EP		18	4	11.80-.060							1.0
MESJ	HN	178	47	ES		18	4	30.05-.000							1.0
MESJ	HE	178	47	IAML		18	4	30.98		2	0.1				
GRNL	CZ	181	33	EP		18	4	12.04-.140							1.0
GRNL	CE	181	33	ES		18	4	30.760.150							1.0
GRNL	CE	181	33	IAML		18	4	32.49		4	0.1				

May 2 2023 Hour: 20:10 0.5 Lat: 4.09S Lon: 142.71E Depth:121FAgency: IGL Distant
Rms: 0.1 secs

NEW GUINEA, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15271	326	EPKPdf			2029		8.91-.010							1.0
MESJ	BZ15271	326	EPP			2031		55.090.060							1.0
GRNL	BZ15272	326	EPKPdf			2029		8.83-.090							1.0
GRNL	BZ15272	326	EPP			2031		55.090.030							1.0

May 3 2023 Hour: 3:38 53.7 Lat: 37.31N Lon: 8.55W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.2 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	264	EP		338		55.94-.270							1.0
MORF	HN	9	264	ES		338		58.070.050							1.0
MORF	HN	9	264	IAML		338		58.32		28	0.2				
MESJ	HZ	65	27	EP		339		4.570.270							1.0
MESJ	HN	65	27	ES		339		11.99-.040							1.0
MESJ	HN	65	27	IAML		339		14.94		4	0.2				
GRNL	CN	88	359	ES		339		18.02-.000							1.0
GRNL	CN	88	359	IAML		339		18.73		7	0.2				

May 3 2023 Hour: 9:51 19.3 Lat: 36.51N Lon: 70.75E Depth:194FAgency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

HINDU KUSH REGION, AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6789	297	EP		10	1	12.69-.000							1.0
MESJ	BZ	6789	297	IAMB		10	1	14.34		48	0.8				
GRNL	BZ	6804	298	EP		10	1	13.580.000							1.0
GRNL	BZ	6804	298	IAMB		10	1	15.44		36	0.9				

May 3 2023 Hour: 20: 9 12.1 Lat: 36.17N Lon: 7.90W Depth: 13F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 143 332 EP 20 9 33.94-.190 1.0
 MORF HN 143 332 ES 20 9 50.340.170 1.0
 MORF HN 143 332 IAML 20 9 52.89 31 0.2
 GRNL CZ 224 345 EP 20 9 44.110.030 1.0

May 3 2023 Hour: 23:16 6.1 Lat: 36.57N Lon: 9.77W Depth: 35F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 129 50 EP 2316 24.920.000 1.0
 MORF HN 129 50 ES 2316 38.740.070 1.0
 MORF HN 129 50 IAML 2316 40.12 6 0.0
 MESJ HZ 197 44 EP 2316 33.33-.030 1.0
 MESJ HN 197 44 ES 2316 53.390.110 1.0
 MESJ HE 197 44 IAML 2316 55.97 2 0.2
 GRNL CZ 202 32 EP 2316 33.70-.180 1.0
 GRNL CE 202 32 ES 2316 54.200.030 1.0
 GRNL CN 202 32 IAML 2316 56.50 5 0.1

May 4 2023 Hour: 14:24 25.8 Lat: 37.88N Lon: 9.51W Depth: 30F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs
W SINES, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GRNL CN 87 72 ES 1424 49.310.010 1.0
 GRNL CE 87 72 IAML 1424 50.14 5 0.2
 MORF HZ 99 130 EP 1424 40.87-.050 1.0
 MORF HN 99 130 ES 1424 51.980.000 1.0
 MORF HN 99 130 IAML 1424 52.27 6 0.2
 MESJ HE 114 92 ES 1424 55.150.030 1.0
 MESJ HN 114 92 IAML 1424 56.85 6 0.1

May 4 2023 Hour: 16: 0 0.5 Lat: 36.69N Lon: 8.77W Depth: 24F 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 69 9 EP 16 0 11.870.080 1.0
 MESJ HZ 136 21 EP 16 0 20.58-.070 1.0
 GRNL CN 158 6 ES 16 0 40.04-.010 1.0
 GRNL CN 158 6 IAML 16 0 40.53 2 0.1

May 5 2023 Hour: 5:42 4.2 Lat: 37.54N Lon: 137.31E Depth: 9F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs
NEAR WEST COAST OF HONSHU, JAPAN Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ10904 334 EP 555 40.81-.030 1.0
 GGNV BZ10904 334 EPP 559 39.920.080 1.0
 GGNV BE10904 334 IAMs_20 639 9.77 17574 19.2
 GRNL BZ10942 333 EP 555 42.28-.150 1.0
 GRNL BZ10942 333 EPP 559 42.580.120 1.0
 GRNL BN10942 333 ESS 613 56.49-.140 1.0
 GRNL BZ10942 333 IAMs_20 646 26.55 18508 19.7
 MESJ BZ10954 333 EP 555 42.91-.040 1.0
 MESJ BZ10954 333 EPP 559 43.500.160 1.0
 MESJ BZ10954 333 IAMs_20 644 54.51 12739 18.5
 MORF BZ11025 333 EP 555 45.80-.010 1.0
 MORF BZ11025 333 EPP 559 48.240.020 1.0
 MORF BE11025 333 IAMs_20 638 55.86 17621 20.3

May 5 2023 Hour: 11:37 10.1 Lat: 37.29S Lon: 177.27E Depth:195F Agency: IGL Distant
Rms: 0.0 secs

OFF EAST COAST OF NORTH ISLAND, NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ19488	88	EP	KPdf		1156	56.180	.020							1.0
GRNL	BZ19490	78	EP	KPdf		1156	56.09	-.010							1.0
MESJ	BZ19524	81	EP	KPdf		1156	56.18	-.010							1.0

May 5 2023 Hour: 12:54 21.5 Lat: 37.69N Lon: 8.36W Depth: 12F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	21	38	EP		1254	25.41	-.030							1.0
MESJ	HN	21	38	ES		1254	28.16	-.130							1.0
MESJ	HE	21	38	IAML		1254	28.40			27	0.1				
GRNL	CZ	50	339	EP		1254	29.69	-.050							1.0
GRNL	CN	50	339	ES		1254	35.730	.000							1.0
GRNL	CN	50	339	IAML		1254	37.09			17	0.2				
MORF	HZ	50	211	EP		1254	30.020	.220							1.0

May 5 2023 Hour: 12:58 3.8 Lat: 37.49N Lon: 137.28E Depth: 8F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

NEAR WEST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ10945	333	EP			1311	42.340	.030							1.0
GRNL	BZ10945	333	EPP			1315	42.43	-.000							1.0
GRNL	BZ10945	333	IAMs_20			14	2	56.08		4846	15.5				
MESJ	BZ10958	333	EP			1311	43.050	.220							1.0
MESJ	BZ10958	333	EPP			1315	43.27	-.050							1.0
MESJ	BZ10958	333	IAMs_20			14	4	31.74		3679	15.0				
MORF	BZ11028	333	EPP			1315	47.99	-.210							1.0
MORF	BZ11028	333	IAMs_20			14	1	54.09		2699	16.9				

May 5 2023 Hour: 17:47 16.7 Lat: 41.50N Lon: 142.00E Depth: 62F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.1 secs

HOKKAIDO, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ10709	337	EP			18	0	38.19	-.050						1.0
GRNL	BZ10709	337	EPP			18	4	32.640	.150						1.0
GRNL	BZ10709	337	IAMs_20			1840	24.18			2203	24.6				
MESJ	BZ10725	337	EP			18	0	39.010	.090						1.0
MESJ	BZ10725	337	EPP			18	4	33.53	-.100						1.0
MESJ	BZ10725	337	IAMs_20			1840	29.00			2699	33.0				
MORF	BZ10794	337	EPP			18	4	38.39	-.090						1.0
MORF	BZ10794	337	IAMs_20			1848	15.57			2551	26.9				

May 5 2023 Hour: 23:53 48.3 Lat: 37.31N Lon: 8.59W Depth: 8F Agency: IGL Regional
Magnitudes: 0.6ML 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	5	268	EP		2353	49.76	-.200							1.0
MORF	HE	5	268	ES		2353	51.180	.040							1.0
MORF	HE	5	268	IAML		2353	51.42			30	0.1				
GRNL	CZ	89	1	EP		2354	2.850	.120							1.0
GRNL	CN	89	1	ES		2354	13.280	.040							1.0
GRNL	CN	89	1	IAML		2354	15.04			2	0.2				

May 6 2023 Hour: 1:20 54.2 Lat: 37.31N Lon: 8.58W Depth: 12F Agency: IGL Regional
Magnitudes: 0.4ML 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	HE	7	267	ES		120	58.240	.020							1.0
MORF	HE	7	267	IAML		120	58.57			11	0.1				
GRNL	CZ	89	0	EP		121	8.450	.060							1.0
GRNL	CN	89	0	ES		121	18.64	-.080							1.0
GRNL	CN	89	0	IAML		121	19.16			1	0.1				

May 6 2023 Hour: 11:42 39.9 Lat: 35.50N Lon: 3.67W Depth: 3F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	524	305	EP		1143	49.800	.000							1.0

May 6 2023 Hour: 12:48 25.6 Lat: 36.77N Lon: 8.93W Depth: 26F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	65	23	EP		1248	36.28	-.050							1.0
MORF	HE	65	23	ES		1248	44.210	.050							1.0
MORF	HN	65	23	IAML		1248	44.61			5	0.1				

May 6 2023 Hour: 13:55 24.1 Lat: 36.03N Lon: 6.44W Depth: 4F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	243	306	EP		1355	59.38	-.010							1.0
MESJ	HZ	255	322	EP		1356	0.92	-.010							1.0
GRNL	CZ	298	321	EP		1356	6.220	.020							1.0

May 6 2023 Hour: 14:19 45.0 Lat: 35.97N Lon: 6.52W Depth: 3F 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	256	324	EP		1420	22.03	-.000							1.0
GRNL	CZ	299	323	EP		1420	27.290	.000							1.0

May 6 2023 Hour: 15:10 20.7 Lat: 37.34N Lon: 8.54W Depth: 8F Agency: IGL Regional
Magnitudes: 0.8ML 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	11	249	EP		1510	22.72	-.230							1.0
MORF	HE	11	249	ES		1510	24.810	.210							1.0
MORF	HN	11	249	IAML		1510	25.29			33	0.2				
MESJ	HZ	62	27	EP		1510	30.920	.130							1.0
GRNL	CZ	85	358	EP		1510	34.570	.050							1.0
GRNL	CE	85	358	ES		1510	44.44	-.170							1.0
GRNL	CN	85	358	IAML		1510	45.13			4	0.2				

May 6 2023 Hour: 23:51 30.2 Lat: 37.24N Lon: 8.66W Depth: 21F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.2 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	4	EP		2351	33.50	-.280							1.0
MORF	HE	7	4	ES		2351	36.490	.100							1.0
MORF	HN	7	4	IAML		2351	37.20			8	0.1				
MESJ	HN	77	30	ES		2351	51.840	.040							1.0
MESJ	HE	77	30	IAML		2351	52.95			1	0.2				
GRNL	CZ	97	5	EP		2351	45.700	.190							1.0
GRNL	CN	97	5	ES		2351	56.65	-.030							1.0
GRNL	CN	97	5	IAML		2351	57.72			0.80	0.2				

May 7 2023 Hour: 0:58 58.7 Lat: 35.28N Lon: 3.68W Depth: 19F Agency: IGL Regional
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	496	306	EP		1 0	3.680	.120							1.0
GRNL	CZ	538	307	EP		1 0	8.54-	-.120							1.0

May 7 2023 Hour: 6:29 0.7 Lat: 25.36S Lon: 70.51W Depth: 40F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

OFFSHORE ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9541	44	EP		641	35.62-	-.070							1.0
GRNL	BZ	9541	44	IAMB		641	39.27			17	1.0				
MESJ	BZ	9548	45	EP		641	36.080	.070							1.0
MESJ	BZ	9548	45	IAMB		641	39.86			14	0.8				

May 7 2023 Hour: 17:15 16.0 Lat: 35.44N Lon: 3.59W Depth: 22F Agency: IGL Regional
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	492	304	EP		1716	20.440	.120							1.0
GRNL	CZ	534	305	EP		1716	25.25-	-.130							1.0

May 8 2023 Hour: 0:51 57.7 Lat: 2.65S Lon: 78.84W Depth: 93F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs

ECUADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	8487	50	EP		1 3	36.300	.000							1.0
GRNL	BZ	8487	50	IAMB		1 3	38.73			20	1.1				

May 8 2023 Hour: 9:35 5.7 Lat: 36.31N Lon: 7.85W Depth: 28F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	173	349	EP		935	30.200	.150							1.0
MESJ	HN	173	349	ES		935	47.84-	-.000							1.0
MESJ	HE	173	349	IAML		935	49.25			3	0.1				
GRNL	CZ	209	342	EP		935	34.40-	-.190							1.0
GRNL	CE	209	342	ES		935	55.740	.040							1.0
GRNL	CN	209	342	IAML		935	56.25			6	0.1				

May 8 2023 Hour: 12:34 31.2 Lat: 35.39N Lon: 3.63W Depth: 28F 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	493	305	EP		1235	35.170	.150							1.0
GRNL	CZ	535	306	EP		1235	39.94-	-.150							1.0

May 8 2023 Hour: 23:20 35.3 Lat: 35.41N Lon: 3.68W Depth: 6F Agency: IGL Regional
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	488	305	EP		2321	40.650	.130							1.0
GRNL	CZ	530	306	EP		2321	45.45-	-.140							1.0

May 9 2023 Hour: 3:52 16.8 Lat: 34.96N Lon: 37.66E Depth: 10F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.1 secs

SYRIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4088	288	EP		359	24.31-	-.080							1.0
MESJ	BZ	4088	288	IAMB		359	26.59			51	1.7				
GRNL	BZ	4113	289	EP		359	26.390	.080							1.0
GRNL	BZ	4113	289	IAMB		359	27.48			25	1.5				

May 9 2023 Hour: 15:35 39.1 Lat: 36.27N Lon: 9.78W Depth: 32F 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	152	41	EP		1536	0.990	.160							1.0
MORF	HN	152	41	ES		1536	16.63	-.050							1.0
MORF	HN	152	41	IAML		1536	17.42			35	0.1				
MESJ	HZ	222	38	EP		1536	9.620	.120							1.0
GRNL	CZ	230	27	EP		1536	10.39	-.100							1.0
GRNL	CN	230	27	ES		1536	33.25	-.130							1.0
GRNL	CN	230	27	IAML		1536	34.90			23	0.2				

May 10 2023 Hour: 0:4 14.6 Lat: 37.40N Lon: 7.71W Depth: 18F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

SW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	66	317	EP		0 4	25.33	-.010							1.0
MESJ	HN	66	317	ES		0 4	33.290	.100							1.0
MESJ	HN	66	317	IAML		0 4	34.32			2	0.1				
GRNL	CN	109	316	ES		0 4	44.19	-.090							1.0
GRNL	CE	109	316	IAML		0 4	45.99			2	0.2				

May 10 2023 Hour: 3:27 25.2 Lat: 36.40N Lon: 9.82W Depth: 32F Agency: IGL Regional
Magnitudes: 2.8ML 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	144	46	EP		327	45.870	.010							1.0
MORF	HN	144	46	ES		328	0.96	-.010							1.0
MORF	HN	144	46	IAML		328	2.62			157	0.2				
MESJ	HZ	214	41	EP		327	54.33	-.100							1.0
MESJ	HN	214	41	ES		328	16.040	.240							1.0
MESJ	HN	214	41	IAML		328	17.76			41	0.2				
GRNL	CZ	219	30	EP		327	54.92	-.220							1.0
GRNL	CN	219	30	ES		328	17.120	.080							1.0
GRNL	CN	219	30	IAML		328	18.57			102	0.1				

May 10 2023 Hour: 16:2 3.6 Lat: 15.60S Lon: 174.61W Depth: 210F Agency: IGL Distant
Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17101	26	EPKP			1621	28.790	.120							1.0
GRNL	BZ17186	26	EPKP			1621	29.65	-.100							1.0
GRNL	BZ17186	26	EPP			1625	30.21	-.020							1.0
MESJ	BZ17227	26	EPKP			1621	30.300	.020							1.0
MESJ	BZ17227	26	EPP			1625	32.360	.030							1.0
MORF	BZ17256	27	EPKP			1621	30.56	-.140							1.0
MORF	BZ17256	27	EPP			1625	33.930	.090							1.0

May 10 2023 Hour: 19:23 32.0 Lat: 37.33N Lon: 8.53W Depth: 17F Agency: IGL Regional
Magnitudes: 0.8ML 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	11	257	EP		1923	34.90	-.400							1.0
MORF	HE	11	257	ES		1923	37.830	.130							1.0
MORF	HN	11	257	IAML		1923	38.37			19	0.2				
MESJ	HZ	63	26	EP		1923	42.28	-.050							1.0
MESJ	HE	63	26	ES		1923	49.960	.100							1.0
MESJ	HN	63	26	IAML		1923	50.94			3	0.1				
GRNL	CZ	87	358	EP		1923	46.090	.210							1.0
GRNL	CN	87	358	ES		1923	56.030	.040							1.0
GRNL	CE	87	358	IAML		1923	56.52			4	0.1				

May 11 2023 Hour: 0:39 9.9 Lat: 37.27N Lon: 9.17W Depth: 32F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs
NW VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	46	86	ES		039	24.610	.040							1.0
MORF	HN	46	86	IAML		039	26.05			43	0.1				
MESJ	HZ	105	53	EP		039	25.680	.030							1.0
GRNL	CZ	107	29	EP		039	25.81-	.080							1.0

May 11 2023 Hour: 10:0 8.5 Lat: 37.89N Lon: 11.64W Depth: 27F Agency: IGL Regional
Magnitudes: 3.0ML 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
GRNL	CZ	270	84	EP		10 0	42.20-	.310							1.0
GRNL	CN	270	84	ES		10 1	7.25-	.090							1.0
GRNL	CN	270	84	IAML		10 1	7.53			97	0.2				
MORF	HZ	271	103	EP		10 0	42.59-	.100							1.0
MORF	HE	271	103	ES		10 1	7.740	.090							1.0
MORF	HE	271	103	IAML		10 1	9.48			75	0.1				
MESJ	HE	301	90	ES		10 1	14.160	.410							1.0
MESJ	HN	301	90	IAML		10 1	16.57			47	0.3				

May 11 2023 Hour: 17:29 18.4 Lat: 36.69N Lon: 11.30W Depth: 31F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	245	73	EP		1729	50.78-	.160							1.0
MORF	HE	245	73	ES		1730	14.810	.130							1.0
MORF	HN	245	73	IAML		1730	17.56			22	0.3				
GRNL	CZ	288	56	EP		1729	56.25-	.010							1.0
MESJ	HZ	301	64	EP		1729	57.910	.030							1.0

May 11 2023 Hour: 21:8 37.2 Lat: 36.62N Lon: 9.79W Depth: 13F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	127	53	EP		21 8	57.130	.030							1.0
MORF	HE	127	53	ES		21 9	11.700	.060							1.0
MORF	HN	127	53	IAML		21 9	13.06			6	0.1				
GRNL	CZ	198	33	EP		21 9	5.85-	.040							1.0
GRNL	CN	198	33	ES		21 9	26.79-	.050							1.0
GRNL	CN	198	33	IAML		21 9	27.59			4	0.1				

May 12 2023 Hour: 0:4 42.8 Lat: 36.26N Lon: 7.58W Depth: 11F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	184	342	EP		0 5	10.130	.080							1.0
GRNL	CZ	223	337	EP		0 5	14.79-	.080							1.0

May 12 2023 Hour: 1:20 59.4 Lat: 37.52N Lon: 2.26W Depth: 1F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	527	276	EP		122	10.03	0.07							1.0
GRNL	CZ	559	279	EP		122	13.80-	0.08							1.0

May 12 2023 Hour: 7:37 48.4 Lat: 38.06N Lon: 8.28W Depth: 9F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs

W FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	25	168	EP		737	52.660	.020							1.0
MESJ	HE	25	168	ES		737	55.73	-.030							1.0
GRNL	CZ	26	282	EP		737	52.880	.080							1.0
GRNL	CN	26	282	ES		737	55.98	-.070							1.0
GRNL	CN	26	282	IAML		737	56.13			4	0.1				

May 13 2023 Hour: 0:6 56.5 Lat: 38.01N Lon: 8.90W Depth: 3F Agency: IGL Regional
Magnitudes: 0.6ML 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	31	70	EP		0 7	1.720	.080							1.0
GRNL	CN	31	70	ES		0 7	5.500	.140							1.0
GRNL	CN	31	70	IAML		0 7	5.61			12	0.1				
MESJ	HZ	63	107	EP		0 7	6.59	-.150							1.0
MESJ	HN	63	107	ES		0 7	14.11	-.070							1.0
MESJ	HN	63	107	IAML		0 7	14.93			2	0.1				

May 13 2023 Hour: 1:52 18.7 Lat: 37.31N Lon: 5.60W Depth: 22F 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	238	285	EP		152	51.70	-.010							1.0
GRNL	CZ	276	290	EP		152	56.390	.010							1.0

May 13 2023 Hour: 5:35 25.7 Lat: 36.57N Lon: 9.81W 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
MESJ	HZ	199	45	EP		535	54.480	.010							1.0
MESJ	HN	199	45	ES		536	15.38	-.100							1.0
MESJ	HN	199	45	IAML		536	17.28			2	0.1				
GRNL	CZ	203	32	EP		535	54.80	-.120							1.0
GRNL	CN	203	32	ES		536	16.480	.220							1.0
GRNL	CN	203	32	IAML		536	18.17			7	0.2				

May 13 2023 Hour: 12:17 30.0 Lat: 36.62N Lon: 7.52W Depth: 16F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	149	336	EP		1217	52.420	.020							1.0
MESJ	HN	149	336	ES		1218	8.74	-.020							1.0
MESJ	HE	149	336	IAML		1218	9.48			1	0.1				

May 14 2023 Hour: 0:28 38.3 Lat: 38.24N Lon: 8.25W Depth: 3F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

W ALVITO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	32	243	EP		028	43.380	.010							1.0
GRNL	CN	32	243	ES		028	47.130	.030							1.0
GRNL	CN	32	243	IAML		028	47.51			26	0.2				
MESJ	HZ	44	177	EP		028	45.440	.020							1.0
MESJ	HE	44	177	ES		028	50.57	-.080							1.0
MESJ	HN	44	177	IAML		028	50.98			16	0.2				
MORF	HN	110	199	ES		029	8.870	.030							1.0
MORF	HN	110	199	IAML		029	9.48			8	0.2				

May 14 2023 Hour: 1:50 25.4 Lat: 32.02N Lon: 6.53W Depth: 21F 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	618	342	EP		151	45.230	.160							1.0
MESJ	HZ	664	347	EP		151	50.52	-.110							1.0
GRNL	CZ	701	345	EP		151	54.96	-.060							1.0

May 14 2023 Hour: 2: 6 20.9 Lat: 38.15N Lon: 8.31W Depth: 16F Agency: IGL Regional
Rms: 0.1 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	23	260	EP		2 6	25.26	-.090							1.0
GRNL	CN	23	260	ES		2 6	28.680	.060							1.0
MESJ	HN	35	167	ES		2 6	31.450	.030							1.0

May 14 2023 Hour: 2:36 47.9 Lat: 36.93N Lon: 8.60W Depth: 16F Agency: IGL Regional
Magnitudes: 0.9ML IGL
Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	42	354	EP		236	54.82	-.130							1.0
MORF	HE	42	354	ES		237	0.03	-.090							1.0
MORF	HE	42	354	IAML		237	0.84			11	0.1				1.0
MESJ	HE	106	18	ES		237	16.86	-.020							1.0
MESJ	HN	106	18	IAML		237	17.37			2	0.2				1.0
GRNL	CZ	130	1	EP		237	8.160	.200							1.0
GRNL	CE	130	1	ES		237	22.690	.070							1.0
GRNL	CE	130	1	IAML		237	24.04			3	0.2				1.0

May 14 2023 Hour: 22:21 42.5 Lat: 35.44N Lon: 3.68W Depth: 14F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	485	305	EP		2222	46.680	.050							1.0
GRNL	CZ	527	306	EP		2222	51.65	-.050							1.0

May 15 2023 Hour: 7:39 40.9 Lat: 22.77S Lon: 66.62W Depth: 256F 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	9001	43	EP		751	26.810	.000							1.0
MORF	BZ	9001	43	IAMB		751	27.82			63	1.0				1.0
GRNL	BZ	9062	43	EP		751	29.51	-.060							1.0
GRNL	BZ	9062	43	IAMB		751	30.06			33	0.9				1.0
MESJ	BZ	9068	43	EP		751	29.930	.050							1.0
MESJ	BZ	9068	43	IAMB		751	31.28			69	0.9				1.0

May 15 2023 Hour: 9:20 11.6 Lat: 36.17N Lon: 8.49W Depth: 11F Agency: IGL Regional
Magnitudes: 2.0ML IGL
Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	353	EP		920	31.32	-.140							1.0
MORF	HN	126	353	ES		920	46.030	.070							1.0
MORF	HN	126	353	IAML		920	49.01			28	0.2				1.0
MESJ	HZ	186	7	EP		920	39.190	.120							1.0
GRNL	CZ	215	358	EP		920	42.55	-.040							1.0

May 15 2023 Hour: 11:59 50.9 Lat: 36.62N Lon: 7.30W Depth: 35F 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	142	303	EP		12	0	11.29	-	.060					1.0
MORF	HN	142	303	ES		12	0	26.25	-	.000					1.0
MORF	HE	142	303	IAML		12	0	27.74			29	0.2			
MESJ	HZ	158	329	EP		12	0	13.43	0.160						1.0
MESJ	HN	158	329	ES		12	0	29.45	-	.130					1.0
MESJ	HE	158	329	IAML		12	0	30.50			15	0.1			
GRNL	CZ	199	326	EP		12	0	18.50	0.060						1.0
GRNL	CN	199	326	ES		12	0	38.50	-	.030					1.0
GRNL	CN	199	326	IAML		12	0	39.82			7	0.2			

May 15 2023 Hour: 16:18 56.0 Lat: 36.25N Lon: 5.31W 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	313	305	EP		1619		40.29	0.010						1.0
GRNL	CZ	355	306	EP		1619		45.50	-	.010					1.0

May 16 2023 Hour: 0:10 6.1 Lat: 36.48N Lon: 9.66W Depth: 29F Agency: IGL Regional
Magnitudes: 2.0ML 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	128	44	EP		010		25.04	0.100						1.0
MORF	HE	128	44	ES		010		38.58	-	.130					1.0
MORF	HN	128	44	IAML		010		39.53			38	0.1			
MESJ	HZ	198	40	EP		010		33.63	0.070						1.0
MESJ	HE	198	40	ES		010		53.74	0.130						1.0
MESJ	HN	198	40	IAML		010		54.67			8	0.2			
GRNL	CZ	205	28	EP		010		34.16	-	.280					1.0
GRNL	CN	205	28	ES		010		55.25	0.110						1.0
GRNL	CN	205	28	IAML		010		56.07			12	0.1			

May 16 2023 Hour: 7:32 6.2 Lat: 38.68N Lon: 8.50W Depth: 1F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

W VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	64	185	EP		732		16.62	0.160						1.0
GRNL	CN	64	185	ES		732		23.79	-	.160					1.0
GRNL	CN	64	185	IAML		732		24.80			3	0.2			

May 16 2023 Hour: 10:33 56.3 Lat: 37.31N Lon: 8.62W Depth: 15F Agency: IGL Regional
Magnitudes: 0.7ML 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	259	EP		1033		58.67	-	.170					1.0
MORF	HN	3	259	ES		1034		0.78	0.090						1.0
MORF	HE	3	259	IAML		1034		1.09			22	0.1			
GRNL	CN	89	3	ES		1034		20.82	0.080						1.0
GRNL	CE	89	3	IAML		1034		21.67			2	0.1			

May 16 2023 Hour: 14:10 52.6 Lat: 38.10N Lon: 9.00W Depth: 2F Agency: IGL Regional
Magnitudes: 0.3ML 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	38	89	EP		1410		58.67	-	.140					1.0
GRNL	CN	38	89	ES		1411		3.45	0.140						1.0
GRNL	CN	38	89	IAML		1411		4.67			3	0.1			

May 17 2023 Hour: 7:12 49.1 Lat: 37.71N Lon: 8.47W Depth: 12F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs
NE ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	27	56	EP		712	53.890	.080							1.0
MESJ	HN	27	56	ES		712	57.300	.040							1.0
MESJ	HN	27	56	IAML		712	57.50			9	0.1				
GRNL	CZ	46	349	EP		712	56.58	-.110							1.0
GRNL	CN	46	349	ES		713	2.03	-.190							1.0
GRNL	CN	46	349	IAML		713	2.39			6	0.1				
MORF	HZ	47	200	EP		712	57.100	.130							1.0
MORF	HN	47	200	ES		713	2.760	.050							1.0
MORF	HN	47	200	IAML		713	3.45			6	0.1				

May 17 2023 Hour: 10:10 28.8 Lat: 36.61N Lon: 7.31W Depth: 34F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	142	303	EP		1010	49.27	-.060							1.0
MORF	HN	142	303	ES		1011	4.20	-.080							1.0
MORF	HN	142	303	IAML		1011	5.96			12	0.2				
MESJ	HZ	159	330	EP		1010	51.540	.220							1.0
MESJ	HN	159	330	ES		1011	7.56	-.160							1.0
MESJ	HE	159	330	IAML		1011	8.32			4	0.1				
GRNL	CZ	200	327	EP		1010	56.570	.080							1.0

May 17 2023 Hour: 21:22 4.6 Lat: 77.11N Lon: 18.48E Depth: 10F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs
SVALBARD REGION Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4556	213	EP		2129	47.63	-.000							1.0
MESJ	BZ	4556	213	IAMB		2129	47.90			35	1.4				

May 17 2023 Hour: 23:1 59.9 Lat: 15.15N Lon: 90.84W Depth: 252F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.1 secs
GUATEMALA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8267	54	EP		2313	9.860	.160							1.0
GGNV	BZ	8267	54	IAMB		2313	13.24			658	1.6				
GGNV	BE	8267	54	ES		2322	23.150	.140							1.0
GRNL	BZ	8326	54	EP		2313	12.63	-.120							1.0
GRNL	BZ	8326	54	IAMB		2313	15.52			176	1.5				
GRNL	BZ	8326	54	EP		2314	11.36	-.040							1.0
GRNL	BN	8326	54	ES		2322	28.900	.010							1.0
MORF	BZ	8330	55	EP		2313	13.170	.120							1.0
MORF	BZ	8330	55	IAMB		2313	14.81			145	0.9				
MORF	BZ	8330	55	EP		2314	11.730	.030							1.0
MORF	BE	8330	55	ES		2322	29.24	-.200							1.0
MESJ	BZ	8360	54	EP		2313	14.40	-.130							1.0
MESJ	BZ	8360	54	IAMB		2313	15.03			66	0.9				
MESJ	BN	8360	54	ES		2322	32.330	.020							1.0

May 17 2023 Hour: 23:55 49.5 Lat: 35.41N Lon: 3.61W Depth: 9F Agency: IGL Regional
Magnitudes: 0.7ML 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	492	305	EP		2356	54.93	-.070							1.0
GRNL	CZ	534	306	EP		2357	0.140	.070							1.0

May 18 2023 Hour: 2:15 26.5 Lat: 34.99N Lon: 6.55W 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	349	335	EP		216	15.460	.100							1.0
GRNL	CZ	390	333	EP		216	20.29	-.100							1.0

May 18 2023 Hour: 11:16 25.3 Lat: 37.32N Lon: 8.59W Depth: 11F Agency: IGL Regional
Magnitudes: 1.4ML 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	6	250	EP		1116	27.05	-.400							1.0
MORF	HE	6	250	ES		1116	29.330	.320							1.0
MORF	HN	6	250	IAML		1116	29.99			124	0.1				
MESJ	HZ	66	29	EP		1116	36.020	.010							1.0
MESJ	HN	66	29	ES		1116	43.860	.060							1.0
MESJ	HN	66	29	IAML		1116	44.95			9	0.2				
GRNL	CZ	87	1	EP		1116	39.310	.070							1.0
GRNL	CE	87	1	ES		1116	49.35	-.050							1.0
GRNL	CN	87	1	IAML		1116	50.76			26	0.1				

May 18 2023 Hour: 18:58 51.7 Lat: 35.02N Lon: 24.87E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

CRETE, GREECE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2969	286	EP		19 4	31.100	.050							1.0
MESJ	BZ	2969	286	IAMB		19 4	44.49			61	0.4				
MESJ	BE	2969	286	ES		19 9	7.42	-.110							1.0
GRNL	BZ	2997	286	EP		19 4	33.370	.020							1.0
GRNL	BZ	2997	286	IAMB		19 4	43.31			46	1.1				
GRNL	BN	2997	286	ES		19 9	11.580	.030							1.0

May 19 2023 Hour: 2:57 6.5 Lat: 23.19S Lon: 170.76E Depth: 30F Agency: IGL Distant
Rms: 0.2 secs

SOUTHEAST OF LOYALTY ISLANDS Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18305	360	EPKpdf			317	6.29	-.270							1.0
GRNL	BZ18372	358	EPKpdf			317	7.05	-.050							1.0
GRNL	BZ18372	358	EPP			321	51.670	.330							1.0
MESJ	BZ18400	357	EPKpdf			317	7.19	-.140							1.0
MESJ	BZ18400	357	EPP			321	52.930	.260							1.0
MORF	BZ18461	358	EPKpdf			317	7.73	-.120							1.0

May 19 2023 Hour: 5:13 53.2 Lat: 37.70N Lon: 9.26W Depth: 23F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	70	129	EP		514	4.47	-.100							1.0
MORF	HE	70	129	ES		514	12.79	-.070							1.0
MORF	HE	70	129	IAML		514	13.92			8	0.2				
GRNL	CZ	76	53	EP		514	5.41	-.010							1.0
GRNL	CE	76	53	ES		514	14.440	.100							1.0
GRNL	CE	76	53	IAML		514	14.84			3	0.1				
MESJ	HN	93	80	ES		514	18.910	.080							1.0

May 19 2023 Hour: 15:15 3.3 Lat: 12.76N Lon: 49.22E Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.0 secs

GULF OF ADEN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6305	307	EP		1524	46.68	-.030							1.0
MESJ	BZ	6305	307	IAMB		1524	58.24			315	2.1				
GRNL	BZ	6341	307	EP		1524	49.000	.030							1.0
GRNL	BZ	6341	307	IAMB		1525	0.44			105	1.6				

May 19 2023 Hour: 15:28 32.0 Lat: 36.71N Lon: 7.46W Depth: 29F 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	125	302	EP		1528	50.31	-.140							1.0
MORF	HN	125	302	ES		1529	3.75	-.150							1.0
MORF	HN	125	302	IAML		1529	4.70			79	0.1				
MESJ	HZ	143	332	EP		1528	52.680	.070							1.0
MESJ	HN	143	332	ES		1529	7.820	.180							1.0
MESJ	HN	143	332	IAML		1529	10.09			19	0.2				
GRNL	CZ	184	328	EP		1528	57.780	.050							1.0
GRNL	CN	184	328	ES		1529	16.49	-.010							1.0
GRNL	CN	184	328	IAML		1529	17.08			5	0.1				

May 19 2023 Hour: 18:15 37.8 Lat: 35.47N Lon: 3.62W Depth: 10F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	530	305	EP		1816	47.71	-.000							1.0

May 20 2023 Hour: 1:51 1.2 Lat: 23.06S Lon: 170.46E Depth: 36F Agency: IGL Distant
Magnitudes: 7.8Ms 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	BZ18291	359	EPK	Pd \bar{f}		211	0.18	-.100							1.0
GGNV	BZ18291	359	IAMs	20	331	12.13			185000	23.3					
GRNL	BZ18356	357	EPK	Pd \bar{f}		211	0.900	.070							1.0
GRNL	BZ18356	357	EPK	Pab		211	57.710	.000							1.0
GRNL	BZ18356	357	EPP		215	44.44	-.050								1.0
GRNL	BZ18356	357	IAMs	20	324	12.35			171000	23.5					
MESJ	BZ18384	356	EPK	Pd \bar{f}		211	1.290	.240							0.9
MESJ	BZ18384	356	EPK	Pab		211	58.69	-.130							1.0
MESJ	BZ18384	356	EPP		215	45.810	.020								1.0
MESJ	BZ18384	356	IAMs	20	326	14.43			144000	19.9					
MORF	BZ18446	357	EPK	Pd \bar{f}		211	1.740	.160							1.0
MORF	BZ18446	357	EPK	Pab		212	1.23	-.100							1.0
MORF	BZ18446	357	EPP		215	48.67	-.070								1.0
MORF	BZ18446	357	IAMs	20	320	2.63			175000	29.7					

May 20 2023 Hour: 2:39 57.9 Lat: 36.75N Lon: 7.22W Depth: 19F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	142	296	EP		240	19.08	-.090							1.0
MORF	HN	142	296	ES		240	34.56	-.110							1.0
MORF	HN	142	296	IAML		240	36.76			8	0.1				
MESJ	HZ	150	324	EP		240	20.220	.070							1.0
GRNL	CZ	192	322	EP		240	25.540	.130							1.0

May 20 2023 Hour: 7:15 49.5 Lat: 38.74N Lon: 9.94W Depth: 39F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

W CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	139	120	EP		716	9.48	-.080							1.0
GRNL	CE	139	120	ES		716	24.220	.050							1.0
GRNL	CN	139	120	IAML		716	25.01			3	0.2				
MORF	HZ	195	144	EP		716	16.640	.030							1.0

May 20 2023 Hour: 14:43 52.7 Lat: 36.61N Lon: 9.79W Depth: 16F 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	127	52	EP		1444	12.40	-.020							1.0
MORF	HN	127	52	ES		1444	26.92	0.100							1.0
MORF	HN	127	52	IAML		1444	29.39		22	0.2					
MESJ	HZ	195	45	EP		1444	20.79	-.030							1.0
GRNL	CZ	199	33	EP		1444	21.19	-.050							1.0

May 20 2023 Hour: 18:28 17.2 Lat: 38.06N Lon: 6.66W Depth: 5F Agency: IGL Regional
Magnitudes: 2.7ML 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	139	261	EP		1828	39.40	0.050							1.0
GRNL	CZ	168	273	EP		1828	43.09	0.140							1.0
GRNL	CN	168	273	ESG		1829	4.01	-.000							1.0
GRNL	CN	168	273	IAML		1829	5.46		83	0.2					
MORF	HZ	195	245	EP		1828	46.14	-.200							1.0

May 20 2023 Hour: 19:10 24.6 Lat: 36.65N Lon: 9.83W Depth: 10F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	128	55	EP		1910	44.59	-.190							1.0
MORF	HN	128	55	ES		1910	59.51	0.040							1.0
MORF	HN	128	55	IAML		1911	0.46		7	0.3					
MESJ	HN	194	47	ES		1911	14.13	0.020							1.0
MESJ	HN	194	47	IAML		1911	17.51		1	0.2					
GRNL	CN	196	34	ES		1911	14.67	0.140							1.0
GRNL	CN	196	34	IAML		1911	15.50		3	0.1					

May 20 2023 Hour: 19:23 3.7 Lat: 36.45N Lon: 9.65W Depth: 30F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	130	43	EP		1923	22.85	0.160							1.0
MORF	HE	130	43	ES		1923	36.53	-.010							1.0
MORF	HN	130	43	IAML		1923	38.54		102	0.2					
MESJ	HZ	200	39	EP		1923	31.42	0.080							1.0
GRNL	CZ	208	27	EP		1923	32.08	-.220							1.0
GRNL	CN	208	27	ES		1923	53.15	-.020							1.0
GRNL	CN	208	27	IAML		1923	55.06		30	0.2					

May 20 2023 Hour: 20:14 58.5 Lat: 37.32N Lon: 8.57W Depth: 17F Agency: IGL Regional
Magnitudes: 0.4ML 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	8	255	EP		2015	1.20	-.310							1.0
MORF	HN	8	255	ES		2015	3.88	0.140							1.0
MORF	HN	8	255	IAML		2015	4.82		5	0.2					
MESJ	HZ	65	28	EP		2015	9.22	0.170							1.0
MESJ	HN	65	28	ES		2015	16.75	-.020							1.0
MESJ	HN	65	28	IAML		2015	18.47		1	0.1					
GRNL	CN	87	360	ES		2015	22.57	0.030							1.0
GRNL	CN	87	360	IAML		2015	23.77		3	0.1					

May 20 2023 Hour: 23:56 18.7 Lat: 38.10N Lon: 8.31W Depth: 1 Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	23	273	EP		2356	22.42	-.010							1.0
GRNL	CN	23	273	ES		2356	25.130	.000							1.0
GRNL	CE	23	273	IAML		2356	25.52			38	0.1				
MESJ	HZ	30	165	EP		2356	23.610	.050							1.0
MESJ	HN	30	165	ES		2356	27.130	.050							1.0
MESJ	HE	30	165	IAML		2356	27.27			8	0.1				
MORF	HZ	93	199	EP		2356	33.880	.100							1.0
MORF	HN	93	199	ES		2356	44.57	-.200							1.0
MORF	HN	93	199	IAML		2356	45.89			13	0.1				

May 21 2023 Hour: 5:45 7.4 Lat: 36.97N Lon: 8.87W Depth: 30F 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	42	27	EP		5 5	5.390	.040							1.0
MORF	HN	42	27	ES		5 5	11.270	.100							1.0
MORF	HN	42	27	IAML		5 5	11.63			41	0.1				
MESJ	HZ	113	31	EP		5 5	14.320	.110							1.0
MESJ	HN	113	31	ES		5 5	26.710	.210							1.0
MESJ	HN	113	31	IAML		5 5	27.95			4	0.3				
GRNL	CZ	130	12	EP		5 5	16.05	-.240							1.0
GRNL	CN	130	12	ES		5 5	29.87	-.230							1.0
GRNL	CN	130	12	IAML		5 5	30.70			3	0.2				

May 21 2023 Hour: 5:23 12.4 Lat: 19.41S Lon: 173.33W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ17486		32	EPKp \bar{d} f		543	7.830	.150							1.0
GRNL	BN17486		32	ESS		6 7	13.20	-.120							1.0
GRNL	BZ17486		32	IAMs $\bar{2}$ 0		659	48.93			1221	18.0				
MESJ	BZ17528		32	EPKp \bar{d} f		543	8.290	.110							1.0
MESJ	BZ17528		32	EPP		547	19.57	-.140							1.0
MESJ	BZ17528		32	IAMs $\bar{2}$ 0		647	26.74			1477	27.9				
MORF	BZ17549		34	EPKp \bar{d} f		543	8.470	.000							1.0
MORF	BZ17549		34	IAMs $\bar{2}$ 0		651	52.89			955	21.1				

May 21 2023 Hour: 8:7 55.9 Lat: 36.67N Lon: 9.77W Depth: 15F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	122	55	EP		8 8	14.84	-.140							1.0
MORF	HN	122	55	ES		8 8	29.140	.200							1.0
MORF	HN	122	55	IAML		8 8	29.53			6	0.1				
GRNL	CN	192	33	ES		8 8	43.81	-.060							1.0
GRNL	CE	192	33	IAML		8 8	46.10			2	0.1				

May 21 2023 Hour: 12:21 3.1 Lat: 33.52N Lon: 4.39W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	591	325	EP		1222	21.39	-.080							1.0
GRNL	CZ	633	325	EP		1222	26.670	.080							1.0

May 21 2023 Hour: 14:56 47.7 Lat: 43.44S Lon: 39.37E Depth: 10F Agency: IGL Distant
Magnitudes: 6.6Ms IGL Rms: 0.1 secs

PRINCE EDWARD ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10162	324	EP			15 9	53.53	-.020							1.0
MORF	BZ10162	324	IAMs_20			1541	21.44		56898	47.7					
MESJ	BZ10191	324	EP			15 9	54.780	.080							1.0
MESJ	BZ10191	324	IAMs_20			1541	9.10		57353	54.0					
GRNL	BZ10233	324	EP			15 9	56.33	-.080							1.0
GRNL	BZ10233	324	IAMs_20			1541	23.23		50472	46.9					
GGNV	BZ10317	324	EP			15 9	59.900	.030							1.0
GGNV	BN10317	324	IAMs_20			1542	39.93		42755	35.1					

May 21 2023 Hour: 15:45 13.0 Lat: 10.27S Lon: 161.44E Depth: 78F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.0 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ16793	344	EPKiKP			16 4	57.10	-.030							1.0
GRNL	BZ16793	344	IAMs_20			1717	42.03		8169	28.1					
MESJ	BZ16810	343	EPKiKP			16 4	57.490	.030							1.0
MESJ	BZ16810	343	IAMs_20			1712	0.32		6347	20.1					
MORF	BZ16879	343	EPKiKP			16 4	58.810	.010							1.0
MORF	BZ16879	343	IAMs_20			1716	23.50		6218	18.2					

May 21 2023 Hour: 22:20 5.4 Lat: 29.83N Lon: 129.18E Depth: 189F Agency: IGL Distant
Rms: 0.0 secs

RYUKYU ISLANDS, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ11315	327	EP			2233	36.33	-.000							1.0

May 21 2023 Hour: 23:47 50.9 Lat: 29.93N Lon: 8.22W Depth: 35F 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	819	357	EP		2349	33.20	-.200							1.0
MESJ	HZ	877	360	EP		2349	40.380	.140							1.0
GRNL	CZ	908	358	EP		2349	43.880	.070							0.9

May 22 2023 Hour: 3:44 43.1 Lat: 36.81N Lon: 8.41W Depth: 27F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	59	339	EP		344	53.01	-.120							1.0
MORF	HN	59	339	ES		345	0.550	.120							1.0
MORF	HN	59	339	IAML		345	1.64		3	0.1					

May 22 2023 Hour: 7:51 11.7 Lat: 17.19S Lon: 64.12W Depth: 613F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.0 secs

SANTA CRUZ, BOLIVIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8373	43	EP		8 1	53.300	.010							1.0
MORF	BZ	8373	43	IAMB		8 1	55.87		35	1.1					
MESJ	BZ	8438	43	EP		8 1	56.48	-.010							1.0
MESJ	BZ	8438	43	IAMB		8 1	58.47		15	0.9					

May 22 2023 Hour: 22:0 30.3 Lat: 36.89N Lon: 10.36W Depth: 38F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	159	73	EP		22 0	52.69	-.130							1.0
MORF	HN	159	73	ES		22 1	9.25	-.020							1.0
MORF	HN	159	73	IAML		22 1	10.02		7	0.2					
GRNL	CN	208	49	ES		22 1	19.910	.100							1.0

GRNL CN	208	49	IAML	22	1	21.38			4	0.2							
MESJ HE	217	60	ES	22	1	21.770	.070										1.0
MESJ HN	217	60	IAML	22	1	23.17			2	0.1							

May 23 2023 Hour: 1:57 59.0 Lat: 36.97N Lon: 8.42W Depth: 16F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	42	330	EP			158	6.07-	.150							1.0
MORF HN	42	330	ES			158	11.49-	.010							1.0
MORF HE	42	330	IAML			158	12.88		4	0.1					
MESJ HE	98	10	ES			158	26.020	.170							1.0
MESJ HE	98	10	IAML			158	26.90		1.00	0.1					

May 23 2023 Hour: 3:11 29.1 Lat: 36.95N Lon: 8.56W 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	40	348	EP			311	35.55-	.270							1.0
MORF HE	40	348	ES			311	40.850	.110							1.0
MORF HN	40	348	IAML			311	41.45		19	0.1					
MESJ HZ	103	17	EP			311	45.390	.070							1.0
MESJ HE	103	17	ES			311	57.200	.010							1.0
MESJ HN	103	17	IAML			311	58.41		3	0.2					
GRNL CN	128	360	ES			312	3.700	.100							1.0
GRNL CN	128	360	IAML			312	4.67		5	0.2					

May 23 2023 Hour: 3:34 22.0 Lat: 36.78N Lon: 7.33W Depth: 24F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	141	326	EP			334	42.840	.090							1.0
MESJ HN	141	326	ES			334	57.79-	.090							1.0
MESJ HE	141	326	IAML			334	58.64		0.80	0.1					

May 23 2023 Hour: 5:52 19.1 Lat: 37.05N Lon: 4.81W Depth: 3F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ	314	287	EP			553	3.26-	.010							1.0

May 23 2023 Hour: 6:41 58.3 Lat: 23.00S Lon: 170.29E Depth: 12F Agency: IGL Distant
Magnitudes: 6.4Ms 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 BZ18284	358	EPKp \bar{d} \bar{f}	7	2	1.160	.020									1.0
GGNV BZ18284	358	IAMs_20	818	2.12					6555	27.6					
GRNL BZ18348	357	EPKp \bar{d} \bar{f}	7	2	1.730	.050									1.0
GRNL BZ18348	357	EPKpab	7	2	58.280	.080									1.0
GRNL BZ18348	357	IAMs_20	815	47.09					5678	18.7					
MESJ BZ18376	355	EPKp \bar{d} \bar{f}	7	2	2.080	.180									1.0
MESJ BZ18376	355	EPKpab	7	2	59.29-	.010									1.0
MESJ BZ18376	355	IAMs_20	816	13.40					5189	22.5					
MORF BZ18438	357	EPKp \bar{d} \bar{f}	7	2	2.23-	.200									1.0
MORF BZ18438	357	EPKpab	7	3	1.70-	.130									1.0
MORF BZ18438	357	IAMs_20	813	7.75					4320	19.6					

May 23 2023 Hour: 7:39 13.8 Lat: 35.63N Lon: 9.94W Depth: 23F 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	219	31	EP			739	44.46-	.030							1.0
MORF HN	219	31	ES			740	6.930	.020							1.0
MORF HE	219	31	IAML			740	8.04		4	0.1					

MESJ HZ 289 31 EP 739 53.240.010 1.0

May 23 2023 Hour: 17:10 27.0 Lat: 44.82N Lon: 13.32W Depth: 24F Agency: IGL Regional Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	844	150	EP		1712	13.06	-.000							1.0

May 23 2023 Hour: 17:22 51.8 Lat: 35.56N Lon: 4.72W 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	403	310	EP		1723	45.23	-.070							1.0
MORF	HN	403	300	ES		1724	24.40	-.050							1.0
MESJ	HE	403	310	ES		1724	24.42	0.030							1.0
MESJ	HE	403	310	IAML		1724	26.77			1	0.2				
MORF	HN	403	300	IAML		1724	25.59			4	0.1				
GRNL	CN	445	311	ES		1724	33.41	0.100							1.0
GRNL	CN	445	311	IAML		1724	35.02			2	0.2				

May 23 2023 Hour: 18:31 28.1 Lat: 37.34N Lon: 8.49W Depth: 11F Agency: IGL Regional Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	253	EP		1831	30.88	-.250							1.0
MORF	HE	15	253	ES		1831	33.50	0.130							1.0
MORF	HN	15	253	IAML		1831	33.84			1154	0.2				
MESJ	HZ	60	23	EP		1831	37.90	0.020							1.0
GRNL	CZ	85	355	EP		1831	41.85	0.160							1.0
GRNL	CN	85	355	ES		1831	51.59	-.050							1.0
GRNL	CN	85	355	IAML		1831	53.42			95	0.2				

May 24 2023 Hour: 7:43 12.6 Lat: 37.31N Lon: 8.62W Depth: 13F Agency: IGL Regional Rms: 0.2 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	252	EP		743	14.58	-.310							1.0
MORF	HE	3	252	ES		743	16.72	0.190							1.0
MORF	HN	3	252	IAML		743	17.21			46	0.1				
MESJ	HZ	68	31	EP		743	23.75	0.120							1.0
MESJ	HE	68	31	ES		743	31.50	-.150							1.0
MESJ	HN	68	31	IAML		743	32.54			1	0.1				
GRNL	CZ	88	3	EP		743	26.85	0.160							1.0
GRNL	CN	88	3	ES		743	36.95	0.000							1.0
GRNL	CN	88	3	IAML		743	37.45			2	0.2				

May 24 2023 Hour: 9:34 44.6 Lat: 36.84N Lon: 10.62W Depth: 31F Agency: IGL Regional Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	183	73	EP		935	9.40	0.030							1.0
GRNL	CZ	230	52	EP		935	15.17	-.040							1.0

May 24 2023 Hour: 12:54 51.1 Lat: 36.85N Lon: 10.32W Depth: 32F Agency: IGL Regional Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	209	47	EP		1255	19.76	-.000							1.0

May 24 2023 Hour: 13:15 4.8 Lat: 4.66S Lon: 153.12E Depth: 57F Agency: IGL Distant
Rms: 0.1 secs

NEW IRELAND REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ15892	336	EPKP			1334	31.01	-.110							1.0
MESJ	BZ15901	335	EPKP			1334	31.390	.110							1.0

May 24 2023 Hour: 14: 0 55.0 Lat: 39.15N Lon: 9.02W Depth: 0 Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

N ALENQUER, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	122	161	EP		14	1	14.720	.080						1.0
GRNL	CE	122	161	ES		14	1	28.92	-.080						1.0
GRNL	CE	122	161	IAML		14	1	30.85			6	0.3			

May 24 2023 Hour: 15:49 35.1 Lat: 6.98S Lon: 129.53E Depth:167FAgency: IGL Distant
Rms: 0.0 secs

BANDA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14578	315	EPP			1610	45.150	.030							1.0
GRNL	BZ14591	316	EPP			1610	45.82	-.040							1.0
GGNV	BZ14602	317	EPP			1610	46.51	-.010							1.0
MORF	BZ14639	315	EPP			1610	48.770	.030							1.0

May 24 2023 Hour: 17:16 27.8 Lat: 39.37N Lon: 11.49W Depth: 64F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	290	118	EP		1717	4.62	-.070							1.0
GRNL	CN	290	118	ES		1717	31.800	.140							1.0
GRNL	CE	290	118	IAML		1717	33.05				4	0.2			
MESJ	HE	331	120	ES		1717	40.370	.010							1.0
MESJ	HE	331	120	IAML		1717	43.01				2	0.2			
MORF	HZ	337	132	EP		1717	10.34	-.170							1.0
MORF	HE	337	132	ES		1717	41.810	.080							1.0
MORF	HE	337	132	IAML		1717	42.95				10	0.1			

May 25 2023 Hour: 3: 5 31.8 Lat: 8.85N Lon: 77.14W Depth: 10F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.1 secs

PANAMA-COLOMBIA BORDER REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	7498	52	EP		316	27.500	.190							1.0
GGNV	BN	7498	52	ES		325	23.910	.130							1.0
GGNV	BZ	7498	52	IAMs_20		337	50.45			55088	48.7				
MORF	BZ	7524	53	EP		316	28.85	-.000							1.0
MORF	BE	7524	53	ES		325	26.750	.050							1.0
MORF	BZ	7524	53	IAMs_20		344	38.65			26374	24.2				
GRNL	BZ	7541	53	EP		316	29.800	.050							1.0
GRNL	BN	7541	53	ES		325	28.23	-.180							1.0
GRNL	BZ	7541	53	IAMs_20		344	11.42			23270	19.8				
MESJ	BZ	7568	53	EP		316	31.18	-.130							1.0
MESJ	BN	7568	53	ES		325	31.26	-.110							1.0
MESJ	BZ	7568	53	IAMs_20		344	40.90			28928	25.8				

May 25 2023 Hour: 14: 0 8.7 Lat: 37.33N Lon: 8.64W Depth: 14F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.2 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	197	EP		14	0	10.73	-.320						1.0
MORF	HN	3	197	ES		14	0	12.900	.130						1.0
MORF	HN	3	197	IAML		14	0	13.49			100	0.1			
MESJ	HZ	68	33	EP		14	0	19.740	.060						1.0
MESJ	HE	68	33	ES		14	0	27.720	.000						1.0

MESJ HN	68	33	IAML	14	0	29.50			4	0.1									
GRNL CZ	87	4	EP	14	0	22.740.200													1.0
GRNL CN	87	4	ES	14	0	32.59-.060													1.0
GRNL CN	87	4	IAML	14	0	34.18			11	0.2									

May 25 2023 Hour: 21:40 56.0 Lat: 37.04N Lon: 13.64W Depth: 15F 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
MORF HZ	444	85	EP			2141	51.380.030								1.0
GRNL CZ	464	74	EP			2141	53.58-.100								1.0
GRNL CN	464	74	ES			2142	35.820.070								1.0
GRNL CN	464	74	IAML			2142	37.83			5	0.2				

May 26 2023 Hour: 3:8 44.6 Lat: 37.11N Lon: 8.41W Depth: 11F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	30	315	EP			3 8	49.68-.210								1.0
MORF HE	30	315	ES			3 8	53.760.040								1.0
MORF HE	30	315	IAML			3 8	54.51			5	0.1				
MESJ HE	83	12	ES			3 9	7.54-.020								1.0
MESJ HN	83	12	IAML			3 9	8.81		0.70	0.1					
GRNL CN	112	353	ES			3 9	15.370.210								1.0
GRNL CN	112	353	IAML			3 9	16.29			2	0.1				

May 26 2023 Hour: 6:45 46.0 Lat: 30.98N Lon: 7.05W Depth: 13F Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	718	349	EP			647	18.28-.000								1.0

May 26 2023 Hour: 10:3 24.1 Lat: 35.52N Lon: 140.52E Depth: 45F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.1 secs

NEAR EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV BZ11229	336	EPP				1021	17.130.040								1.0
GGNV BZ11229	336	IAMs_20				11 0	23.23		9916	32.7					
GRNL BZ11269	336	EPdif				1017	10.08-.020								1.0
GRNL BZ11269	336	EPP				1021	19.920.120								1.0
GRNL BZ11269	336	IAMs_20				11 1	17.34		6360	26.7					
MESJ BZ11283	335	EPdif				1017	10.670.010								1.0
MESJ BZ11283	335	EPP				1021	20.800.050								1.0
MESJ BZ11283	335	IAMs_20				11 1	53.78		6883	25.9					
MORF BZ11353	335	EPP				1021	25.33-.210								1.0
MORF BZ11353	335	IAMs_20				11 1	56.95		7654	26.5					

May 26 2023 Hour: 17:14 36.1 Lat: 37.33N Lon: 8.55W Depth: 10F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	9	255	EP			1714	38.15-.150								1.0
MORF HE	9	255	ES			1714	40.090.150								1.0
MORF HN	9	255	IAML			1714	40.58			15	0.1				

May 27 2023 Hour: 0:11 1.8 Lat: 18.43S Lon: 175.25W Depth: 219F Agency: IGL Distant
Rms: 0.1 secs

TONGA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL BZ17494	28	EPKpdf				030	30.620.050								1.0
GRNL BZ17494	28	EPKPab				031	3.390.120								1.0
MESJ BZ17536	28	EPKpdf				030	31.280.220								0.9
MESJ BZ17536	28	EPKPab				031	4.85-.070								1.0
MORF BZ17563	29	EPKpdf				030	31.28-.130								1.0

MORF BZ17563 29 EPKPab 031 5.85-.190 1.0

May 27 2023 Hour: 2:11 38.0 Lat: 37.63N Lon: 8.40W Depth: 11F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

W OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	28	35	EP		211	43.120	.240							1.0
MESJ	HN	28	35	ES		211	46.26-	.160							1.0
MESJ	HN	28	35	IAML		211	46.97			8	0.2				
MORF	HZ	43	211	EP		211	45.170	.010							1.0
MORF	HN	43	211	ES		211	50.36-	.010							1.0
MORF	HN	43	211	IAML		211	50.72			7	0.1				
GRNL	CZ	55	344	EP		211	47.00-	.040							1.0
GRNL	CN	55	344	ES		211	53.58-	.040							1.0
GRNL	CN	55	344	IAML		211	54.89			20	0.1				

May 27 2023 Hour: 2:51 9.6 Lat: 36.69N Lon: 7.56W Depth: 24F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	305	EP		251	27.46-	.110							1.0
MORF	HN	118	305	ES		251	40.60-	.070							1.0
MORF	HN	118	305	IAML		251	41.41			2	0.1				
MESJ	HZ	140	336	EP		251	30.220	.020							1.0
GRNL	CZ	181	331	EP		251	35.23-	.010							1.0
GRNL	CN	181	331	ES		251	54.140	.180							1.0
GRNL	CE	181	331	IAML		251	56.23			1.00	0.1				

May 27 2023 Hour: 3:57 16.6 Lat: 37.29N Lon: 8.53W Depth: 13F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	281	EP		357	19.360	.010							1.0
MORF	HN	11	281	ES		357	21.37-	.010							1.0
MORF	HN	11	281	IAML		357	21.76			20	0.1				

May 27 2023 Hour: 5:13 52.0 Lat: 38.56N Lon: 7.97W Depth: 7F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

SW EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	73	227	EP		514	3.65-	.070							1.0
MESJ	HZ	83	196	EP		514	5.440	.080							1.0
MESJ	HN	83	196	ES		514	15.01-	.130							1.0
MESJ	HN	83	196	IAML		514	16.78			6	0.2				
MORF	HZ	152	204	EP		514	15.690	.120							1.0

May 27 2023 Hour: 6:16 54.0 Lat: 36.28N Lon: 8.35W Depth: 6F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	347	EP		617	12.880	.100							1.0
MESJ	HZ	173	4	EP		617	20.670	.240							1.0
MESJ	HN	173	4	ES		617	39.49-	.210							1.0
MESJ	HN	173	4	IAML		617	40.51			0.90	0.1				
GRNL	CZ	204	354	EP		617	24.10-	.110							1.0
GRNL	CN	204	354	ES		617	46.20-	.030							1.0
GRNL	CE	204	354	IAML		617	47.05			1	0.1				

May 27 2023 Hour: 16:46 16.9 Lat: 78.51N Lon: 7.37E Depth: 10F Agency: IGL Distant
Magnitudes: 4.5Mb IGL Rms: 0.0 secs

SVALBARD REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	4555	199	EP		1653	59.77	-.030							1.0
GRNL	BZ	4555	199	IAMB		1654	0.55			9	1.0				
MESJ	BZ	4582	199	EP		1654	1.850	.030							1.0
MESJ	BZ	4582	199	IAMB		1654	3.64			11	1.1				

May 28 2023 Hour: 3:29 55.3 Lat: 10.16S Lon: 161.22E Depth: 102F Agency: IGL Distant
Rms: 0.0 secs

SOLOMON ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	16774	343	EP	KP	349	36.150	.020							1.0
MESJ	BZ	16791	343	EP	KP	349	36.470	.020							1.0
MORF	BZ	16860	343	EP	KP	349	37.75	-.040							1.0

May 28 2023 Hour: 5:49 56.3 Lat: 36.61N Lon: 71.08E Depth: 224F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs

HINDU KUSH REGION, AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6810	297	EP		559	47.810	.020							1.0
MESJ	BZ	6810	297	IAMB		559	49.16			18	1.0				
GRNL	BZ	6825	298	EP		559	48.65	-.020							1.0
GRNL	BZ	6825	298	IAMB		559	49.31			17	1.0				

May 28 2023 Hour: 8:40 29.9 Lat: 37.66N Lon: 8.38W Depth: 5F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.2 secs

W OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	25	35	EP		840	33.980	.070							1.0
MESJ	HE	25	35	ES		840	36.930	.070							1.0
MESJ	HE	25	35	IAML		840	37.23			16	0.1				
MORF	HZ	46	212	EP		840	37.670	.320							1.0
MORF	HN	46	212	ES		840	42.80	-.020							1.0
MORF	HE	46	212	IAML		840	43.13			10	0.1				
GRNL	CZ	53	342	EP		840	38.09	-.310							1.0
GRNL	CN	53	342	ES		840	44.51	-.130							1.0
GRNL	CN	53	342	IAML		840	45.19			5	0.0				

May 28 2023 Hour: 9:24 24.6 Lat: 38.72N Lon: 9.51W Depth: 1F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NW CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	107	129	EP		924	41.860	.070							1.0
GRNL	CN	107	129	ES		924	54.26	-.080							1.0
GRNL	CN	107	129	IAML		924	55.51			2	0.2				
MESJ	HZ	149	131	EP		924	48.47	-.030							1.0
MESJ	HN	149	131	ES		925	6.000	.040							1.0
MESJ	HN	149	131	IAML		925	7.69			0.80	0.1				

May 28 2023 Hour: 15:45 56.1 Lat: 6.72N Lon: 73.02W Depth: 158F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.1 secs

NORTHERN COLOMBIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7305	52	EP		1556	23.26	-.070							1.0
MORF	BZ	7305	52	IAMB		1556	24.99			12	1.1				
GRNL	BZ	7329	51	EP		1556	24.710	.070							1.0
GRNL	BZ	7329	51	IAMB		1556	26.44			5	0.7				

May 28 2023 Hour: 20:20 2.0 Lat: 36.57N Lon: 7.03W Depth: 36F 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	176	323	EP		2020	26.52	-.040							1.0
GRNL	CZ	218	322	EP		2020	31.870	.050							1.0

May 29 2023 Hour: 2:33 32.1 Lat: 26.81N Lon: 92.40E Depth: 10F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs

ASSAM, INDIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9093	308	EP		245	51.20	-.000							1.0
MESJ	BZ	9093	308	IAmb		245	51.99			6	0.6				
GRNL	BZ	9107	309	EP		245	51.81	-.010							1.0
GRNL	BZ	9107	309	IAmb		245	52.10			5	0.8				
MORF	BZ	9155	308	EP		245	54.170	.010							1.0
MORF	BZ	9155	308	IAmb		245	55.65			4	0.7				

May 29 2023 Hour: 4:57 33.8 Lat: 7.97S Lon: 74.39W Depth: 147F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.1 secs

NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8463	49	EP		5 9	5.260	.080							1.0
MORF	BZ	8463	49	IAmb		5 9	6.61			129	1.1				
GRNL	BZ	8503	48	EP		5 9	7.04	-.080							1.0
GRNL	BZ	8503	48	IAmb		5 9	8.46			58	0.3				
MESJ	BZ	8520	48	EP		5 9	8.030	.000							1.0
MESJ	BZ	8520	48	IAmb		5 9	8.63			17	0.8				

May 29 2023 Hour: 17:34 0.2 Lat: 37.01N Lon: 5.28W Depth: 1F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	276	290	EP		1734	39.78	-.090							1.0
GRNL	CZ	315	294	EP		1734	44.810	.090							1.0

May 29 2023 Hour: 21:52 7.6 Lat: 53.00S Lon: 10.43E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.1 secs

SOUTHWEST OF AFRICA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	10158	345	EP		22 5	13.110	.060							1.0
MORF	BE	10158	345	IAMs_20		2241	11.31			1592	24.9				
MESJ	BZ	10209	345	EP		22 5	15.00	-.090							1.0
MESJ	BZ	10209	345	IAMs_20		2242	1.63			1564	21.0				
GRNL	BZ	10244	345	EP		22 5	16.47	-.060							1.0
GRNL	BN	10244	345	ESKSac		2215	50.550	.090							1.0
GRNL	BZ	10244	345	IAMs_20		2242	8.64			1650	24.0				

May 30 2023 Hour: 0:52 6.7 Lat: 24.05N Lon: 142.99E Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.1 secs

VOLCANO ISLANDS, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	12533	336	EPP		111	30.340	.130							1.0
GRNL	BN	12533	336	ESS		127	13.540	.090							1.0
GRNL	BZ	12533	336	IAMs_20		2 4	33.99			2687	18.8				
MESJ	BZ	12545	336	EPP		111	30.79	-.190							1.0
MESJ	BZ	12545	336	IAMs_20		2 8	54.77			1824	15.6				
MORF	BZ	12616	336	EPP		111	35.51	-.030							1.0
MORF	BZ	12616	336	IAMs_20		2 5	7.87			2493	19.9				

May 30 2023 Hour: 1:21 10.8 Lat: 35.48N Lon: 3.62W 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	488	304	EP		122	16.67	-.060							1.0
MESJ	HE	488	304	ES		123	5.050	.210							1.0
MESJ	HN	488	304	IAML		123	6.69			6	0.3				
GRNL	CZ	530	305	EP		122	21.63	-.160							1.0
GRNL	CN	530	305	ES		123	13.580	.000							1.0
GRNL	CN	530	305	IAML		123	15.16			5	0.2				

May 30 2023 Hour: 4:35 21.9 Lat: 37.68N Lon: 8.39W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	23	40	EP		435	25.560	.050							1.0
MESJ	HN	23	40	ES		435	27.92	-.250							1.0
GRNL	CZ	50	341	EP		435	30.080	.180							1.0
GRNL	CE	50	341	ES		435	35.790	.020							1.0

May 30 2023 Hour: 5:39 44.4 Lat: 36.09N Lon: 7.00W Depth: 32F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	200	313	ES		540	32.180	.020							1.0
MORF	HE	200	313	IAML		540	33.17			4	0.1				
MESJ	HZ	222	331	EP		540	14.770	.010							1.0
MESJ	HE	222	331	ES		540	36.88	-.040							1.0
MESJ	HE	222	331	IAML		540	38.31			0.90	0.1				
GRNL	CZ	264	328	EP		540	19.900	.010							1.0

May 30 2023 Hour: 6:15 13.8 Lat: 36.18N Lon: 8.50W Depth: 11F 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	126	354	EP		615	33.55	-.060							1.0
MORF	HE	126	354	ES		615	48.140	.060							1.0
MORF	HN	126	354	IAML		615	51.37			19	0.1				

May 30 2023 Hour: 7:25 15.1 Lat: 36.15N Lon: 8.52W Depth: 37F 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	129	355	EP		725	33.74	-.240							1.0
MORF	HN	129	355	ES		725	47.72	-.010							1.0
MORF	HN	129	355	IAML		725	48.81			16	0.1				
MESJ	HE	190	8	ES		726	0.970	.250							1.0
MESJ	HE	190	8	IAML		726	2.00			4	0.2				
GRNL	CZ	218	359	EP		725	44.980	.030							1.0
GRNL	CN	218	359	ES		726	6.71	-.000							1.0
GRNL	CN	218	359	IAML		726	8.27			9	0.2				

May 30 2023 Hour: 11:54 14.8 Lat: 37.31N Lon: 8.57W Depth: 14F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	266	EP		1154	17.23	-.150							1.0
MORF	HE	7	266	ES		1154	19.420	.140							1.0
MORF	HE	7	266	IAML		1154	19.67			24	0.1				
GRNL	CN	89	0	ES		1154	39.220	.010							1.0
GRNL	CN	89	0	IAML		1154	39.66			2	0.1				

May 30 2023 Hour: 16:15 41.0 Lat: 36.62N Lon: 9.77W Depth: 15F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	52	EP		1616	0.52	-.070							1.0
MORF	HE	125	52	IAML		1616	15.92			5	0.1				
MESJ	HZ	193	45	EP		1616	9.060	0.080							1.0

May 30 2023 Hour: 16:51 38.0 Lat: 20.67S Lon: 70.64W Depth: 37F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.1 secs
OFFSHORE TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9126	45	EP		17 3	54.660	0.230							1.0
MORF	BZ	9126	45	IAMs_20		1735	18.32			1608	27.6				
GRNL	BZ	9181	45	EP		17 3	56.960	0.000							1.0
GRNL	BZ	9181	45	IAMs_20		1735	19.40			1400	30.7				
MESJ	BZ	9190	45	EP		17 3	57.34	-.060							1.0
MESJ	BN	9190	45	ES		1714	12.23	-.160							1.0
MESJ	BZ	9190	45	IAMs_20		1735	44.88			1094	23.6				

May 31 2023 Hour: 2:21 26.3 Lat: 49.82S Lon: 163.79E Depth: 10F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.1 secs
AUCKLAND ISLAND, NEW ZEALAND REGION Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ18482	206	EP	PKP		241	31.17	-.140							1.0
MORF	BE18482	206	ESS			3 7	3.12	-.200							1.0
MORF	BZ18482	206	IAMs_20			356	37.14			4159	17.3				
MESJ	BZ18523	209	EP	PKP		241	31.47	-.070							1.0
MESJ	BE18523	209	ESS			3 7	6.84	-.080							1.0
MESJ	BZ18523	209	IAMs_20			352	45.18			5844	22.7				
GRNL	BZ18562	208	EP	PKP		241	31.850	0.050							1.0
GRNL	BZ18562	208	EPP			246	24.580	0.170							1.0
GRNL	BE18562	208	ESS			3 7	10.650	0.180							1.0
GRNL	BZ18562	208	IAMs_20			342	23.77			3662	23.1				
GGNV	BE18644	207	ESS			3 7	17.930	0.100							1.0
GGNV	BZ18644	207	IAMs_20			356	27.63			5746	13.2				

May 31 2023 Hour: 4: 0 10.2 Lat: 36.84N Lon: 10.30W Depth: 30F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	155	70	EP		4 0	32.360	0.040							1.0
MORF	HN	155	70	ES		4 0	48.42	-.060							1.0
MORF	HN	155	70	IAML		4 0	49.93			4	0.1				
MESJ	HN	215	58	ES		4 1	1.300	0.020							1.0
MESJ	HN	215	58	IAML		4 1	2.28			0.90	0.2				

May 31 2023 Hour: 4:40 51.6 Lat: 38.43N Lon: 7.88W Depth: 3F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs
SE EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	70	239	EP		441	3.020	0.140							1.0
GRNL	CN	70	239	ES		441	11.220	0.100							1.0
GRNL	CN	70	239	IAML		441	12.76			189	0.1				
MESJ	HZ	72	204	EP		441	3.310	0.080							1.0
MESJ	HN	72	204	ES		441	11.65	-.070							1.0
MESJ	HN	72	204	IAML		441	12.56			181	0.2				
MORF	HZ	142	209	EP		441	14.370	0.030							1.0
MORF	HN	142	209	ES		441	30.65	-.300							1.0
MORF	HN	142	209	IAML		441	35.55			507	0.3				

May 31 2023 Hour: 10:47 17.7 Lat: 37.25N Lon: 8.55W Depth: 14F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs
S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	305	EP		1047	20.38	-.220							1.0
MORF	HE	11	305	ES		1047	22.81	0.110							1.0
MORF	HE	11	305	IAML		1047	22.97		22	0.2					
GRNL	CN	95	359	ES		1047	43.98	0.120							1.0
GRNL	CN	95	359	IAML		1047	44.62		2	0.2					

May 31 2023 Hour: 10:47 24.8 Lat: 37.26N Lon: 8.58W Depth: 14F Agency: IGL Regional
Magnitudes: 0.2ML 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	8	310	EP		1047	27.36	-.090							1.0
MORF	HN	8	310	ES		1047	29.50	0.090							1.0
MORF	HN	8	310	IAML		1047	30.01		9	0.1					

May 31 2023 Hour: 10:55 18.0 Lat: 1.51N Lon: 90.58W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs
GALAPAGOS ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9202	53	EP		11 7	42.03	0.000							1.0
MORF	BZ	9202	53	IAMB		11 7	46.94		47	1.7					

May 31 2023 Hour: 11:20 17.4 Lat: 25.12N Lon: 96.19E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs
MYANMAR Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9507	310	EP		1132	55.55	-.040							1.0
MESJ	BZ	9507	310	IAMB		1132	56.91		13	0.9					
GRNL	BZ	9520	310	EP		1132	56.03	-.110							1.0
GRNL	BZ	9520	310	IAMB		1132	57.50		12	1.0					
MORF	BZ	9569	309	EP		1132	58.56	0.150							1.0
MORF	BZ	9569	309	IAMB		1133	0.32		36	1.5					

May 31 2023 Hour: 14:1 46.1 Lat: 55.32N Lon: 163.10E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.1 secs
OFF EAST COAST OF KAMCHATKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	9626	353	EP		1414	29.38	0.020							1.0
GRNL	BZ	9626	353	IAMS_20		1457	49.64		1123	11.2					
MESJ	BZ	9653	353	EP		1414	30.64	0.070							1.0
MESJ	BZ	9653	353	IAMS_20		1459	31.11		1128	16.6					
MORF	BZ	9716	353	EP		1414	33.24	-.100							1.0
MORF	BZ	9716	353	IAMS_20		1458	7.88		1380	13.9					

May 31 2023 Hour: 18:2 48.8 Lat: 36.24N Lon: 8.20W 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	124	341	EP		18 3	6.92	-.110							1.0
MESJ	HZ	177	359	EP		18 3	13.68	0.140							1.0
MESJ	HE	177	359	ES		18 3	31.68	0.070							1.0
MESJ	HN	177	359	IAML		18 3	32.91		8	0.1					
GRNL	CZ	210	351	EP		18 3	17.52	-.040							1.0
GRNL	CN	210	351	ES		18 3	38.50	-.060							1.0
GRNL	CN	210	351	IAML		18 3	39.24		6	0.1					

June 1 2023 Hour: 6:51 46.8 Lat: 36.47N Lon: 9.92W Depth: 32F Agency: IGL Regional
Magnitudes: 3.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	146	50	EP		652	7.81	0.130							1.0
MORF	HE	146	50	ES		652	22.89	-.050							1.0
MORF	HN	146	50	IAML		652	27.66			741	0.4				
MESJ	HZ	214	44	EP		652	16.16	0.040							1.0
MESJ	HN	214	44	ES		652	37.64	0.100							1.0
MESJ	HN	214	44	IAML		652	40.12			133	0.1				
GRNL	CZ	218	33	EP		652	16.37	-.180							1.0
GRNL	CE	218	33	ES		652	38.31	0.020							1.0
GRNL	CN	218	33	IAML		652	40.18			171	0.1				
GGNV	HN	259	15	ES		652	46.96	-.080							0.9
GGNV	HN	259	15	IAML		652	50.01			247	0.3				

June 1 2023 Hour: 7:4 58.7 Lat: 36.67N Lon: 7.24W Depth: 6F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	144	300	EP		7 5	21.65	0.180							1.0
MORF	HE	144	300	ES		7 5	38.00	-.110							1.0
MORF	HN	144	300	IAML		7 5	40.89			17	0.2				
MESJ	HE	157	327	ES		7 5	40.63	-.070							1.0
MESJ	HN	157	327	IAML		7 5	44.81			7	0.1				

June 1 2023 Hour: 12:52 25.7 Lat: 35.51N Lon: 3.65W Depth: 1 Agency: IGL Regional
Magnitudes: 3.0ML 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	484	304	EP		1253	31.22	0.250							1.0
MESJ	HN	484	304	ES		1254	18.50	-.090							1.0
MESJ	HN	484	304	IAML		1254	24.52			27	0.5				
MORF	HZ	491	295	EP		1253	31.64	-.270							1.0
GRNL	CZ	526	305	EP		1253	36.16	0.140							1.0
GRNL	CN	526	305	ES		1254	27.32	-.010							1.0
GRNL	CE	526	305	IAML		1254	34.97			26	0.6				

June 1 2023 Hour: 14:6 49.9 Lat: 37.31N Lon: 8.52W Depth: 9F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	266	EP		14 6	52.21	-.100							1.0
MORF	HN	12	266	ES		14 6	54.18	0.100							1.0
MORF	HN	12	266	IAML		14 6	54.28			17	0.1				

June 1 2023 Hour: 16:52 47.2 Lat: 35.43N Lon: 3.63W Depth: 15F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	490	304	EP		1653	51.92	0.050							1.0
MORF	HZ	497	296	EP		1653	52.63	-.060							1.0
GRNL	CZ	532	305	EP		1653	56.95	0.010							1.0

June 1 2023 Hour: 20:28 58.0 Lat: 37.32N Lon: 8.63W Depth: 13F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	223	EP		2028	59.81	-.360							1.0
MORF	HE	3	223	ES		2029	1.99	0.200							1.0
MORF	HN	3	223	IAML		2029	2.33			396	0.2				
MESJ	HZ	68	32	EP		2029	8.99	0.030							1.0
MESJ	HE	68	32	ES		2029	16.95	-.040							1.0

MESJ HN	68	32	IAML	2029	19.11				9	0.1							
GRNL CZ	88	4	EP	2029	12.140.240												1.0
GRNL CN	88	4	ES	2029	22.03-.050												1.0
GRNL CN	88	4	IAML	2029	23.13				31	0.2							

June 2 2023 Hour: 3:37 47.8 Lat: 36.66N Lon: 9.74W Depth: 32F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	121	53	EP			338	5.640.050								1.0
MORF HN	121	53	ES			338	18.620.060								1.0
MORF HE	121	53	IAML			338	19.15		11	0.1					
MESJ HZ	188	45	EP			338	13.92-.040								1.0
MESJ HE	188	45	ES			338	33.100.080								1.0
MESJ HN	188	45	IAML			338	35.26		2	0.2					
GRNL CZ	191	33	EP			338	14.24-.120								1.0
GRNL CE	191	33	ES			338	33.69-.040								1.0
GRNL CN	191	33	IAML			338	34.76		4	0.1					

June 2 2023 Hour: 4:32 26.1 Lat: 38.67N Lon: 9.35W Depth: 4F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

SW OEIRAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL CZ	93	132	EP			432	40.99-.120								1.0
GRNL CE	93	132	ES			432	52.200.120								1.0
GRNL CE	93	132	IAML			432	52.93		1	0.0					

June 2 2023 Hour: 4:45 49.2 Lat: 36.51N Lon: 10.95W Depth: 1 Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	223	66	EP			446	22.21-.010								1.0
MORF HN	223	66	ES			446	46.440.090								1.0
MORF HN	223	66	IAML			446	46.91		0.80	0.1					
GRNL CN	275	49	ES			446	57.52-.090								1.0
GRNL CN	275	49	IAML			446	59.42		1	0.1					

June 2 2023 Hour: 9:50 8.1 Lat: 37.14N Lon: 8.38W Depth: 16F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

SE SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	30	306	EP			950	13.47-.060								1.0
MORF HN	30	306	ES			950	17.560.060								1.0
MORF HE	30	306	IAML			950	18.31		6	0.2					
MESJ HE	79	10	ES			950	29.960.090								1.0
MESJ HN	79	10	IAML			950	31.01		3	0.2					
GRNL CN	108	351	ES			950	37.59-.080								1.0
GRNL CN	108	351	IAML			950	38.35		2	0.1					

June 3 2023 Hour: 1:48 58.7 Lat: 35.66N Lon: 10.08W Depth: 32F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ	223	35	EP			149	29.310.170								1.0
MORF HE	223	35	ES			149	51.19-.160								1.0
MORF HE	223	35	IAML			149	53.21		62	0.2					
MESJ HZ	293	34	EP			149	37.970.100								1.0
MESJ HE	293	34	ES			150	6.580.120								1.0
MESJ HE	293	34	IAML			150	9.92		8	0.2					
GRNL CZ	303	26	EP			149	38.77-.320								1.0
GRNL CE	303	26	ES			150	8.670.100								1.0
GRNL CE	303	26	IAML			150	11.09		9	0.1					

June 3 2023 Hour: 1:49 14.9 Lat: 15.72S Lon: 71.74W Depth: 10F Agency: IGL Distant
Magnitudes: 4.9Ms 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	8829	46	EP		2	1	21.05							1.0
MORF	BZ	8829	46	IAMs_20		230	25.19			852	23.6				
GRNL	BZ	8879	46	EP		2	1	23.480							1.0
GRNL	BZ	8879	46	IAMs_20		230	46.49			577	27.5				
MESJ	BZ	8891	46	EP		2	1	24.140							1.0
MESJ	BZ	8891	46	IAMs_20		230	52.58			579	20.0				

June 3 2023 Hour: 7:17 47.7 Lat: 12.62N Lon: 47.93E Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs
GULF OF ADEN Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6203	307	EP		727	24.620								1.0
MESJ	BZ	6203	307	IAMB		727	28.51			389	2.4				
MORF	BZ	6229	307	EP		727	26.400								1.0
MORF	BZ	6229	307	IAMB		727	29.32			202	1.8				
GRNL	BZ	6239	308	EP		727	26.76								1.0
GRNL	BZ	6239	308	IAMB		727	34.43			250	2.3				
GGNV	BZ	6302	308	EP		727	30.900								1.0
GGNV	BZ	6302	308	IAMB		727	34.38			92	1.3				

June 3 2023 Hour: 11:13 38.0 Lat: 36.24N Lon: 3.34W Depth: 2F Agency: IGL Regional
Magnitudes: 0.4ML 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	469	294	EP		1114	41.470								1.0
MORF	HZ	489	286	EP		1114	43.840								1.0
GRNL	CZ	508	296	EP		1114	45.98								1.0

June 3 2023 Hour: 13:35 4.4 Lat: 38.44N Lon: 7.87W Depth: 14F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.2 secs
SE EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	71	239	EP		1335	16.180								1.0
GRNL	CE	71	239	ES		1335	24.300								1.0
GRNL	CE	71	239	IAML		1335	24.78			1	0.1				
MESJ	HZ	73	205	EP		1335	15.83								1.0
MORF	HZ	144	209	EP		1335	26.23								1.0

June 3 2023 Hour: 13:58 5.8 Lat: 12.66N Lon: 48.03E Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs
GULF OF ADEN Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6209	307	EP		14	7	43.11							1.0
MESJ	BZ	6209	307	IAMB		14	7	45.12		15	1.1				
GRNL	BZ	6245	307	EP		14	7	45.410							1.0
GRNL	BZ	6245	307	IAMB		14	7	48.70		36	1.7				

June 3 2023 Hour: 14:23 5.0 Lat: 36.84N Lon: 4.19W Depth: 63F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	374	289	EP		1423	53.62								1.0
MESJ	HN	374	289	ES		1424	29.360								1.0
MESJ	HN	374	289	IAML		1424	31.07			3	0.2				
GRNL	CZ	412	291	EP		1423	58.25								1.0
GRNL	CN	412	291	ES		1424	37.570								1.0
GRNL	CN	412	291	IAML		1424	38.95			5	0.2				

June 3 2023 Hour: 18:20 4.7 Lat: 36.25N Lon: 3.34W 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	468	294	EP		1821	8.330	.170							1.0
MORF	HZ	488	285	EP		1821	10.45	-.160							1.0
GRNL	CZ	508	295	EP		1821	12.93	-.010							1.0

June 3 2023 Hour: 21:52 20.8 Lat: 35.68N Lon: 10.04W Depth: 34F 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	219	34	EP		2152	50.830	.130							1.0
MORF	HN	219	34	ES		2153	12.42	-.130							1.0
MORF	HE	219	34	IAML		2153	12.80			4	0.2				

June 4 2023 Hour: 12:14 23.0 Lat: 25.16S Lon: 179.75E Depth: 491F Agency: IGL Distant
Rms: 0.0 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ18389	27	EPK	Pdf		1233	29.980	.030							1.0
MESJ	BZ18430	26	EPK	Pdf		1233	30.25	-.030							1.0

June 5 2023 Hour: 4:46 17.5 Lat: 36.44N Lon: 5.23W Depth: 1F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	308	301	EP		447	1.140	.010							1.0
MORF	HZ	320	289	EP		447	2.790	.130							1.0
GRNL	CZ	349	303	EP		447	6.13	-.150							1.0

June 5 2023 Hour: 10:38 21.4 Lat: 38.84N Lon: 9.94W Depth: 24F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

NW CASCAIS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	187	126	EP		1038	48.010	.090							1.0
MESJ	HE	187	126	ES		1039	7.290	.040							1.0
MESJ	HN	187	126	IAML		1039	8.84			3	0.2				
MORF	HZ	205	146	EP		1038	50.190	.050							1.0
MORF	HE	205	146	ES		1039	10.90	-.190							1.0
MORF	HN	205	146	IAML		1039	11.62			4	0.2				

June 5 2023 Hour: 12:45 27.8 Lat: 36.99N Lon: 5.64W Depth: 1F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	247	293	EP		1246	3.74	-.040							1.0
GRNL	CZ	287	297	EP		1246	8.780	.040							1.0

June 5 2023 Hour: 15:41 39.1 Lat: 5.69S Lon: 151.99E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.0 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ15941	334	EPK	P		16 1	12.880	.020							1.0
GRNL	BZ15941	334	IAMs_20			1710	37.10			208	16.0				
MESJ	BZ15949	333	EPK	P		16 1	12.97	-.020							1.0
MESJ	BZ15949	333	IAMs_20			1712	41.15			233	13.2				

June 6 2023 Hour: 2:18 21.7 Lat: 35.49N Lon: 3.66W Depth: 1F 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	484	304	EP		219	26.97	-.060							1.0
MESJ	HN	484	304	ES		220	14.91	0.180							1.0
MESJ	HN	484	304	IAML		220	17.21			13	0.4				
MORF	HZ	491	296	EP		219	27.92	-.010							1.0
GRNL	CZ	526	305	EP		219	31.98	-.100							1.0
GRNL	CE	526	305	ES		220	23.47	-.010							1.0
GRNL	CN	526	305	IAML		220	27.66			15	0.1				

June 6 2023 Hour: 9:11 23.5 Lat: 18.67N Lon: 74.25W Depth: 2F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

HAITI REGION Net: CSRM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	6651	56	EP		921	29.96	-.110							1.0
GRNL	BZ	6651	56	IAMB		921	30.44			6	0.8				
MESJ	BZ	6682	57	EP		921	32.13	0.110							1.0
MESJ	BZ	6682	57	IAMB		921	33.35			20	0.7				

June 6 2023 Hour: 17:26 52.0 Lat: 46.08N Lon: 21.40E Depth: 6F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.1 secs

ROMANIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2602	260	EP		1732	1.71	-.080							1.0
MESJ	BZ	2602	260	IAMB		1732	3.07			13	1.0				
MESJ	BN	2602	260	ES		1736	16.37	0.100							1.0
GRNL	BZ	2614	261	EP		1732	2.83	-.070							1.0
GRNL	BZ	2614	261	IAMB		1732	4.39			29	1.3				
GRNL	BN	2614	261	ES		1736	18.03	0.050							1.0

June 7 2023 Hour: 5:55 45.1 Lat: 38.84N Lon: 13.39W Depth: 10F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	428	99	EP		556	38.51	0.150							1.0
GRNL	CN	428	99	ES		557	17.12	-.150							1.0
GRNL	CN	428	99	IAML		557	18.71			2	0.2				

June 7 2023 Hour: 12:26 38.7 Lat: 42.04N Lon: 24.89E Depth: 10F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs

BULGARIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2850	272	EP		1232	8.46	0.000							1.0
MESJ	BZ	2850	272	IAMB		1232	11.78			40	1.5				
GRNL	BZ	2869	272	EP		1232	9.98	-.000							1.0
GRNL	BZ	2869	272	IAMB		1232	14.80			9	0.8				

June 8 2023 Hour: 9:19 29.0 Lat: 22.35S Lon: 170.27E Depth: 18F Agency: IGL Distant
Magnitudes: 5.7Ms 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	BZ18212	358	EPK	Pdf		939	30.31	0.080							1.0
GGNV	BZ18212	358	EPP			944	8.15	-.000							1.0
GRNL	BZ18277	357	EPK	Pdf		939	30.71	-.080							1.0
GRNL	BZ18277	357	EPK	Pab		940	25.08	-.030							1.0
GRNL	BZ18277	357	EPP			944	11.29	0.060							1.0
GRNL	BZ18277	357	IAMS	_20		1052	36.37			867	18.3				
MESJ	BZ18304	356	EPK	Pdf		939	31.16	0.130							1.0
MESJ	BZ18304	356	EPK	Pab		940	26.25	0.040							1.0
MESJ	BZ18304	356	EPP			944	12.44	-.090							1.0
MESJ	BZ18304	356	IAMS	_20		1053	7.85			918	23.7				

MORF	BZ18366	357	EPKPdf	939	31.47-	.110											1.0
MORF	BZ18366	357	EPKPab	940	28.73-	.000											1.0
MORF	BZ18366	357	IAMs_20	1053	55.56				1332	14.6							

June 8 2023 Hour: 12:33 51.8 Lat: 38.59N Lon: 22.88E Depth: 17F Agency: IGL Distant
Magnitudes: 4.3Ms IGL Rms: 0.1 secs

GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2712	278	EP		1239	9.240	.090							1.0
MESJ	BN	2712	278	ES		1243	29.270	.050							1.0
MESJ	BZ	2712	278	IAMs_20		1255	0.85		635	16.5					
GRNL	BZ	2736	279	EP		1239	11.160	.030							1.0
GRNL	BN	2736	279	ES		1243	32.65-	.040							1.0
GRNL	BZ	2736	279	IAMs_20		1249	51.50		906	12.9					
MORF	BE	2762	277	ES		1243	36.33-	.130							1.0
MORF	BZ	2762	277	IAMs_20		1253	58.69		432	12.2					

June 9 2023 Hour: 6:58 38.6 Lat: 36.98N Lon: 8.41W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	42	329	EP		658	45.57-	.140							1.0
MORF	HN	42	329	ES		658	50.960	.060							1.0
MORF	HE	42	329	IAML		658	51.70		9	0.1					
GRNL	CE	126	354	ES		659	13.000	.090							1.0
GRNL	CN	126	354	IAML		659	14.06		2	0.1					

June 9 2023 Hour: 11:33 36.7 Lat: 7.20N Lon: 34.00W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Ms IGL Rms: 0.1 secs

CENTRAL MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	4277	33	EP		1140	58.39-	.170							1.0
MESJ	BZ	4277	34	EP		1140	58.49-	.050							1.0
GRNL	BN	4277	33	ES		1146	54.830	.150							1.0
MESJ	BN	4277	34	ES		1146	54.700	.060							1.0
GRNL	BE	4277	33	IAMs_20		1152	19.16		1945	24.0					
MESJ	BZ	4277	34	IAMs_20		1151	58.17		1565	20.8					

June 9 2023 Hour: 16:36 52.9 Lat: 36.90N Lon: 8.59W Depth: 26F 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	46	353	EP		1637	1.03-	.050							1.0
MORF	HE	46	353	ES		1637	7.260	.240							1.0
MORF	HE	46	353	IAML		1637	8.55		15	0.1					
GRNL	CZ	134	1	EP		1637	12.51-	.190							1.0
GRNL	CN	134	1	ES		1637	27.12-	.010							1.0
GRNL	CE	134	1	IAML		1637	27.91		1	0.1					

June 9 2023 Hour: 20:43 28.6 Lat: 47.31S Lon: 12.64W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.1 secs

SOUTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9429	4	EP		2056	2.62-	.010							1.0
MESJ	BE	9429	4	ESKSac		21 6	27.120	.020							1.0
MESJ	BZ	9429	4	IAMs_20		2126	41.04		2218	28.1					
GRNL	BZ	9458	3	EP		2056	3.66-	.230							1.0
GRNL	BN	9458	3	ESKSac		21 6	28.940	.230							1.0
GRNL	BN	9458	3	IAMs_20		2126	41.24		1901	22.9					

June 10 2023 Hour: 6:52.9 Lat: 37.87N Lon: 8.45W Depth: 1 Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.0 secs
W ALJUSTREL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	21	99	EP		6	5	29.19							1.0
MESJ	HE	21	99	ES		6	5	31.64							1.0
GRNL	CZ	28	338	EP		6	5	30.43							1.0
GRNL	CN	28	338	ES		6	5	33.88							1.0
GRNL	CN	28	338	IAML		6	5	33.93			3	0.2			

June 10 2023 Hour: 9:12.52.3 Lat: 15.98S Lon: 179.16W Depth: 10F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs
FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ17411	19		EPKp _{df}		932	46.88	0.180							1.0
GRNL	BE17411	19		IAMs ₂₀		1039	15.71			2488	21.3				
MESJ	BZ17451	18		EPKp _{df}		932	47.04	-0.140							1.0
MESJ	BZ17451	18		EPP		936	55.66	-0.030							1.0
MESJ	BZ17451	18		IAMs ₂₀		1040	7.89			2690	19.4				

June 10 2023 Hour: 12:38.4.4 Lat: 37.26N Lon: 9.17W Depth: 30F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs
NW VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	46	84	EP		1238	12.69	-0.080							1.0
MORF	HN	46	84	ES		1238	18.95	0.050							1.0
MORF	HN	46	84	IAML		1238	19.53				2	0.1			
GRNL	CN	108	29	ES		1238	32.40	0.030							1.0
GRNL	CE	108	29	IAML		1238	32.96			0.90	0.1				

June 10 2023 Hour: 17:15.57.1 Lat: 36.94N Lon: 8.91W Depth: 30F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	46	29	EP		1716	5.62	0.100							1.0
MORF	HN	46	29	ES		1716	11.55	-0.100							1.0
MORF	HN	46	29	IAML		1716	12.42				3	0.1			

June 10 2023 Hour: 18:7.38.1 Lat: 36.58N Lon: 7.29W Depth: 17F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	145	304	EP		18	7	59.82							1.0
MORF	HE	145	304	ES		18	8	15.98							1.0
MORF	HE	145	304	IAML		18	8	17.12			6	0.2			
MESJ	HZ	162	330	EP		18	8	2.08							1.0
MESJ	HE	162	330	ES		18	8	19.58							1.0
MESJ	HE	162	330	IAML		18	8	20.18			2	0.2			
GRNL	CZ	204	327	EP		18	8	7.21							1.0
GRNL	CN	204	327	ES		18	8	28.33							1.0
GRNL	CN	204	327	IAML		18	8	29.47			0.80	0.1			

June 10 2023 Hour: 23:31.52.2 Lat: 37.33N Lon: 8.57W Depth: 8F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs
NW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	248	EP		2331	54.03	-0.140							1.0
MORF	HE	8	248	ES		2331	55.72	0.140							1.0
MORF	HN	8	248	IAML		2331	56.04				16	0.2			

June 11 2023 Hour: 2:58 1.3 Lat: 46.20N Lon: 153.13E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Ms 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	BZ10499	346	EP			311	21.310	.040							1.0
GRNL	BZ10499	346	IAMs_20			4 1	11.62			732	17.8				
MESJ	BZ10521	345	EP			311	22.04-	.160							1.0
MESJ	BZ10521	345	IAMs_20			4 2	18.15			611	18.0				
MORF	BZ10588	346	EP			311	25.100	.120							1.0
MORF	BZ10588	346	IAMs_20			4 1	46.70			959	29.8				

June 11 2023 Hour: 6:51 48.5 Lat: 2.98S Lon: 136.65E Depth: 50F Agency: IGL Distant
Rms: 0.1 secs

NEAR THE COAST OF PAPUA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14773	322	EPKpdf			710	57.460	.130							1.0
GRNL	BZ14778	322	EPKpdf			710	57.30-	.100							1.0
MORF	BZ14840	321	EPKpdf			710	58.48-	.030							1.0

June 11 2023 Hour: 7:38 24.1 Lat: 36.52N Lon: 9.80W Depth: 14F 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	134	49	EP		738	44.78-	.020							1.0
MORF	HE	134	49	ES		739	0.060	.130							1.0
MORF	HN	134	49	IAML		739	0.79			4	0.1				
MESJ	HZ	202	43	EP		738	53.12-	.160							1.0
MESJ	HN	202	43	ES		739	14.740	.140							1.0
MESJ	HE	202	43	IAML		739	17.10			2	0.1				
GRNL	CZ	207	31	EP		738	53.65-	.190							1.0
GRNL	CN	207	31	ES		739	15.640	.090							1.0
GRNL	CN	207	31	IAML		739	16.65			5	0.1				

June 11 2023 Hour: 9:54 45.0 Lat: 42.53N Lon: 141.92E Depth: 123F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

HOKKAIDO, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10556	338	EP			10 7	53.140	.010							1.0
GGNV	BZ10556	338	IAmb			10 7	54.26			32	0.6				
GGNV	BZ10556	338	EPP			1011	43.940	.010							1.0
GGNV	BN10556	338	ESKSac			1018	17.060	.040							1.0
GRNL	BZ10600	337	EP			10 7	54.74-	.240							0.9
GRNL	BZ10600	337	IAmb			10 7	55.47			44	1.3				
GRNL	BN10600	337	ESKSac			1018	19.19-	.000							1.0
MESJ	BZ10617	337	EP			10 7	55.740	.070							1.0
MESJ	BZ10617	337	IAmb			10 7	56.42			46	1.1				
MESJ	BN10617	337	ESKSac			1018	20.130	.130							1.0
MORF	BZ10686	337	EP			10 7	58.570	.020							1.0
MORF	BZ10686	337	IAmb			10 7	59.78			37	1.3				
MORF	BZ10686	337	EPP			1011	52.99-	.090							1.0
MORF	BN10686	337	ESKSac			1018	23.38-	.000							1.0

June 11 2023 Hour: 13: 8 47.4 Lat: 56.93S Lon: 147.61E Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.0 secs

WEST OF MACQUIRE ISLAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17223	230	EPKpdf			1328	39.89-	.040							1.0
MESJ	BZ17223	230	IAMs_20			1432	22.44			2626	27.7				
GRNL	BZ17264	230	EPKpdf			1328	40.470	.040							1.0
GRNL	BE17264	230	IAMs_20			1433	4.77			1938	26.2				

June 11 2023 Hour: 21:17 33.9 Lat: 36.77N Lon: 11.16W Depth: 31F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HE	231	74	ES		2118	27.070	.050							1.0
MORF	HN	231	74	IAML		2118	27.67			2	0.1				
GRNL	CZ	273	56	EP		2118	9.78	-.050							1.0

June 11 2023 Hour: 22:31 30.5 Lat: 37.19N Lon: 7.39W Depth: 14F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs
SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	102	315	EP		2231	46.61	-.060							1.0
MESJ	HN	102	315	ES		2231	58.40	-.090							1.0
MESJ	HN	102	315	IAML		2232	0.77			2	0.1				
MORF	HZ	112	277	EP		2231	48.13	-.070							1.0
MORF	HE	112	277	ES		2232	1.350	.220							1.0
MORF	HE	112	277	IAML		2232	2.81			8	0.1				

June 12 2023 Hour: 5:59 49.0 Lat: 36.58N Lon: 7.71W Depth: 31F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	116	314	EP		6 0	5.22	-.210							1.0
MORF	HE	116	314	ES		6 0	17.40	-.040							1.0
MORF	HE	116	314	IAML		6 0	19.29				7	0.1			
MESJ	HZ	147	342	EP		6 0	9.260	.050							1.0
GRNL	CZ	186	336	EP		6 0	14.150	.110							1.0
GRNL	CN	186	336	ES		6 0	32.450	.110							1.0
GRNL	CN	186	336	IAML		6 0	35.10				4	0.1			

June 12 2023 Hour: 7:38 56.1 Lat: 35.88N Lon: 8.58W Depth: 31F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	159	358	EP		739	17.67	-.150							1.0
MORF	HE	159	358	ES		739	33.760	.070							1.0
MORF	HN	159	358	IAML		739	35.21				2	0.2			
GRNL	CZ	248	0	EP		739	28.81	-.040							1.0
GRNL	CN	248	0	ES		739	52.910	.140							1.0
GRNL	CN	248	0	IAML		739	54.39				2	0.1			

June 13 2023 Hour: 8: 3 40.3 Lat: 33.10N Lon: 75.90E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs
EASTERN KASHMIR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7386	301	EP		814	29.960	.160							1.0
MESJ	BZ	7386	301	IAMB		814	31.63				42	0.9			
GRNL	BZ	7402	301	EP		814	30.64	-.050							1.0
GRNL	BZ	7402	301	IAMB		814	32.84				45	1.1			
MORF	BZ	7446	300	EP		814	33.18	-.100							1.0
MORF	BZ	7446	300	IAMB		814	40.83				49	1.4			

June 13 2023 Hour: 10:43 9.1 Lat: 35.96N Lon: 9.48W Depth: 0 Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	167	26	EP		1043	35.18	-.110							1.0
MESJ	HZ	237	28	EP		1043	44.000	.000							1.0
GRNL	CZ	252	19	EP		1043	45.74	-.100							1.0
GRNL	CN	252	19	ES		1044	12.880	.210							1.0
GRNL	CN	252	19	IAML		1044	14.73				2	0.1			

June 13 2023 Hour: 13:20 14.6 Lat: 36.82N Lon: 9.73W Depth: 14F 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	110	61	EP		1320	31.91	-.060							1.0
MORF	HN	110	61	ES		1320	44.71	0.080							1.0
MORF	HN	110	61	IAML		1320	46.31			19	0.1				
MESJ	HN	175	49	ES		1320	59.28	-.020							1.0
MESJ	HE	175	49	IAML		1321	0.69			4	0.1				

June 13 2023 Hour: 13:56 35.2 Lat: 36.53N Lon: 7.71W Depth: 31F Agency: IGL Regional
Magnitudes: 1.6ML 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	152	343	EP		1356	56.10	0.050							1.0
GRNL	CZ	191	337	EP		1357	0.81	-.050							1.0

June 13 2023 Hour: 14: 3 3.6 Lat: 37.31N Lon: 8.43W Depth: 20F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs
E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	20	270	EP		14 3	8.15	0.050							1.0
MORF	HN	20	270	ES		14 3	11.31	-.070							1.0
MORF	HE	20	270	IAML		14 3	11.84			11	0.1				
MESJ	HZ	62	17	EP		14 3	13.92	0.070							1.0
MESJ	HE	62	17	ES		14 3	21.34	0.030							1.0
MESJ	HE	62	17	IAML		14 3	22.11			3	0.2				
GRNL	CN	90	352	ES		14 3	28.41	-.080							1.0
GRNL	CN	90	352	IAML		14 3	29.21			4	0.1				

June 13 2023 Hour: 16:37 1.8 Lat: 37.67N Lon: 9.08W Depth: 28F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs
SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	55	137	EP		1637	11.34	-.000							1.0
MORF	HE	55	137	ES		1637	18.23	-.060							1.0
MORF	HE	55	137	IAML		1637	18.68			53	0.1				
GRNL	CZ	67	42	EP		1637	12.78	-.090							1.0
GRNL	CN	67	42	ES		1637	21.00	0.080							1.0
GRNL	CN	67	42	IAML		1637	22.58			13	0.1				
MESJ	HZ	78	75	EP		1637	14.43	-.050							1.0
MESJ	HN	78	75	ES		1637	23.84	0.120							1.0
MESJ	HN	78	75	IAML		1637	25.07			3	0.2				

June 13 2023 Hour: 19:34 22.8 Lat: 37.03N Lon: 13.53W Depth: 34F 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
MORF	HZ	435	84	EP		1935	17.02	0.010							1.0
MORF	HN	435	84	ES		1935	56.57	-.030							1.0
MORF	HN	435	84	IAML		1936	0.28			5	0.2				
GRNL	CZ	455	73	EP		1935	19.44	0.030							1.0
MESJ	HZ	479	78	EP		1935	22.37	-.010							1.0

June 13 2023 Hour: 23: 2 9.9 Lat: 37.34N Lon: 16.03W Depth: 15F 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	663	80	EP		23 3	31.91	-.100							1.0
GRNL	CN	663	80	ES		23 4	32.03	0.100							1.0
GRNL	CN	663	80	IAML		23 4	34.88			3	0.2				

June 14 2023 Hour: 16:53 52.6 Lat: 29.03S Lon: 176.61W Depth: 14F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs
KERMADEC ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ18525	45	EP	KP	f	1713	56.98	0.020							1.0
GRNL	BZ18525	45	IAMs		20	1824	20.02		652	19.2					
MESJ	BZ18568	45	EP	KP	f	1713	57.26	-0.020							1.0
MESJ	BZ18568	45	IAMs		20	1844	13.50		616	14.2					

June 14 2023 Hour: 18:11 36.4 Lat: 36.76N Lon: 8.38W Depth: 9F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	65	338	EP		1811	46.94	-0.000							1.0
MORF	HE	65	338	ES		1811	54.66	0.000							1.0
MORF	HN	65	338	IAML		1811	56.09		5	0.1					

June 14 2023 Hour: 18:12 1.9 Lat: 36.94N Lon: 10.48W Depth: 29F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	167	75	EP		1812	25.47	-0.070							1.0
MORF	HN	167	75	ES		1812	42.73	-0.080							1.0
MORF	HN	167	75	IAML		1812	43.46		6	0.1					
GRNL	CZ	213	52	EP		1812	31.12	-0.060							1.0
GRNL	CN	213	52	ES		1812	52.81	0.230							1.0
GRNL	CN	213	52	IAML		1812	55.14		6	0.1					
MESJ	HE	223	63	ES		1812	54.86	-0.010							1.0
MESJ	HE	223	63	IAML		1812	58.92		1	0.1					

June 15 2023 Hour: 1:22 36.4 Lat: 36.62N Lon: 7.84W Depth: 1 Agency: IGL Regional
Magnitudes: 0.6ML 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	346	EP		122	58.76	0.010							1.0
MESJ	HE	139	346	ES		123	15.03	-0.010							1.0
MESJ	HN	139	346	IAML		123	16.22		0.80	0.2					

June 15 2023 Hour: 2:19 23.8 Lat: 13.75N Lon: 120.74E Depth: 112F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs
MINDORO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12226	319	EP			233	39.52	-0.150							1.0
MESJ	BZ12226	319	EPP			238	15.48	0.170							1.0
MESJ	BE12226	319	ESS			253	32.41	-0.010							1.0
MESJ	BN12226	319	IAMs		20	319	1.86		2160	28.7					
GGNV	BZ12232	320	EPP			238	15.60	-0.080							1.0
GGNV	BZ12232	320	IAMs		20	328	35.22		2070	17.4					
GRNL	BZ12233	320	EP			233	39.89	-0.040							1.0
GRNL	BZ12233	320	EPP			238	15.97	0.240							1.0
GRNL	BE12233	320	ESS			253	33.12	-0.090							1.0
GRNL	BE12233	320	IAMs		20	319	14.44		3710	26.7					
MORF	BZ12292	319	EPP			238	19.63	-0.020							1.0
MORF	BE12292	319	IAMs		20	321	18.24		2220	20.5					

June 15 2023 Hour: 9:43 6.8 Lat: 35.37N Lon: 3.63W Depth: 22F Agency: IGL Regional
Magnitudes: 0.6ML 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	494	305	EP		944	11.17	-0.030							1.0
GRNL	CZ	536	306	EP		944	16.31	0.030							1.0

June 15 2023 Hour: 18: 6 28.0 Lat: 22.98S Lon: 177.21W Depth:167F Agency: IGL Distant
Rms: 0.7 secs

SOUTH OF FIJI ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17946	30	EPK	Pdf		1826	8.82	1.01							0.9
GGNV	BZ17946	30	EPK	Pab		1826	52.62	-.440							1.0
GGNV	BZ17946	30	EPP			1830	36.920	.050							1.0
GGNV	BN17946	30	ESS			1850	39.820	.130							1.0
GRNL	BZ18030	30	EPK	Pdf		1826	9.450	.820							0.9
GRNL	BZ18030	30	EPK	Pab		1826	55.65	-.770							0.9
GRNL	BZ18030	30	EPP			1830	40.71	-.220							1.0
GRNL	BN18030	30	ESS			1850	47.850	.250							1.0
MESJ	BZ18072	30	EPK	Pdf		1826	9.740	.710							0.9
MESJ	BZ18072	30	EPK	Pab		1826	56.96	-1.14							0.9
MESJ	BZ18072	30	EPP			1830	42.79	-.160							1.0
MESJ	BN18072	30	ESS			1850	51.600	.070							1.0
MORF	BZ18097	32	EPK	Pdf		1826	10.090	.790							0.9
MORF	BZ18097	32	EPK	Pab		1826	57.47	-1.68							0.7
MORF	BZ18097	32	EPP			1830	43.81	-.360							1.0
MORF	BE18097	32	ESS			1850	54.080	.160							1.0

June 15 2023 Hour: 20:57 24.2 Lat: 31.57N Lon: 7.59W Depth: 22F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	644	352	EP		2058	46.77	-.080							1.0
MESJ	HZ	698	355	EP		2058	53.440	.090							1.0

June 15 2023 Hour: 23:51 24.9 Lat: 37.11N Lon: 14.24W Depth: 10F 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	496	86	EP		2352	26.53	-.060							1.0
MORF	HE	496	86	ES		2353	11.720	.060							1.0
MORF	HN	496	86	IAML		2353	12.48			3	0.2				

June 16 2023 Hour: 0:56 57.4 Lat: 36.10N Lon: 14.12W Depth: 10F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	506	73	EP		058	0.30	-.010							1.0
MORF	HN	506	73	ES		058	46.530	.290							1.0
MORF	HN	506	73	IAML		058	48.90			6	0.3				
MESJ	HZ	559	68	EP		058	6.830	.040							1.0
MESJ	HE	559	68	ES		058	57.11	-.340							1.0
MESJ	HN	559	68	IAML		059	1.26			4	0.2				

June 16 2023 Hour: 8:11 34.6 Lat: 23.57S Lon: 175.88W Depth: 22F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17929	34	EPK	Pdf		831	32.670	.070							1.0
GGNV	BZ17929	34	EPP			835	59.770	.120							1.0
GGNV	BZ17929	34	IAMs	_20		945	23.34			6324	19.0				
MESJ	BZ18056	34	EPK	Pdf		831	33.82	-.010							1.0
MESJ	BZ18056	34	EPP			836	5.74	-.020							1.0
MESJ	BE18056	34	ESS			856	26.35	-.150							1.0
MESJ	BZ18056	34	IAMs	_20		941	11.50			5904	20.4				
MORF	BZ18075	36	EPK	Pdf		831	34.090	.030							1.0
MORF	BZ18075	36	EPP			836	6.71	-.040							1.0
MORF	BZ18075	36	IAMs	_20		941	40.77			7717	21.0				

June 16 2023 Hour: 10:45 25.1 Lat: 23.58S Lon: 175.53W Depth: 10F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.1 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17910	34	EP	KP	f	11	5	25.010	.130						1.0
GGNV	BZ17910	34	IAMS	20		1218	59.99			3629	15.1				
MESJ	BZ18036	34	EP	KP	f	11	5	26.01	-.110						1.0
MESJ	BZ18036	34	IAMS	20		1215	4.17			3284	20.6				
MORF	BZ18055	36	EP	KP	f	11	5	26.33	-.020						1.0
MORF	BZ18055	36	IAMS	20		1215	55.30			4279	20.2				

June 16 2023 Hour: 12:39 18.8 Lat: 36.71N Lon: 8.87W Depth: 24F 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	69	16	EP		1239	30.02	-.100							1.0
MORF	HE	69	16	ES		1239	38.510	.100							1.0
MORF	HN	69	16	IAML		1239	39.16			3	0.1				

June 16 2023 Hour: 16:38 27.4 Lat: 46.23N Lon: 0.73W Depth: 10F Agency: IGL Distant
Magnitudes: 4.2Ms IGL Rms: 0.1 secs

FRANCE Net: LDG

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	1118	216	EP		1640	52.080	.120							1.0
MESJ	BZ	1118	216	IAMS	20	1645	25.27			2146	12.8				
MORF	BZ	1189	216	EP		1641	0.57	-.120							1.0
MORF	BE	1189	216	IAMS	20	1645	16.82			3990	8.9				

June 16 2023 Hour: 16:53 23.4 Lat: 35.09N Lon: 3.96W 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
MORF	HZ	488	302	EP		1654	29.420	.030							1.0
MESJ	HZ	489	310	EP		1654	29.39	-.030							1.0

June 16 2023 Hour: 19:10 52.5 Lat: 23.48S Lon: 175.51W Depth: 16F Agency: IGL Distant
Magnitudes: 6.8Ms IGL Rms: 0.1 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17899	34	EP	KP	f	1930	50.98	-.210							1.0
GGNV	BZ17899	34	EPP			1935	17.120	.060							1.0
GGNV	BZ17899	34	IAMS	20		2044	46.10			14585	22.3				
MESJ	BZ18026	34	EP	KP	f	1930	52.39	-.040							1.0
MESJ	BZ18026	34	EPP			1935	23.14	-.050							1.0
MESJ	BN18026	34	ESS			1955	43.510	.250							1.0
MESJ	BZ18026	34	IAMS	20		2040	34.60			13721	19.4				
MORF	BZ18045	36	EP	KP	f	1930	52.700	.040							1.0
MORF	BZ18045	36	EPP			1935	24.08	-.050							1.0
MORF	BZ18045	36	IAMS	20		2041	3.61			20611	21.9				

June 16 2023 Hour: 23:48 30.3 Lat: 36.71N Lon: 9.63W Depth: 18F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	109	53	EP		2348	47.630	.030							1.0
MORF	HN	109	53	ES		2349	0.190	.000							1.0
MORF	HN	109	53	IAML		2349	1.57			4	0.1				
MESJ	HZ	177	45	EP		2348	55.98	-.070							1.0
MESJ	HN	177	45	ES		2349	14.830	.030							1.0
MESJ	HN	177	45	IAML		2349	16.19			0.80	0.1				

June 17 2023 Hour: 0:17 30.0 Lat: 36.62N Lon: 9.74W Depth: 16F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	191	44	EP		017	57.54	-.080							1.0
MESJ	HN	191	44	ES		018	17.830	0.080							1.0
MESJ	HN	191	44	IAML		018	19.24			1.00	0.1				

June 17 2023 Hour: 0:26 17.1 Lat: 41.15N Lon: 142.74E Depth: 50F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.1 secs
HOKKAIDO, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10785	337	EP			039	43.35	0.24							1.0
MESJ	BZ10785	337	EPP			043	39.28	-0.09							1.0
MESJ	BZ10785	337	IAMs_20			127	1.66			1353	20.1				
MORF	BZ10855	337	EP			039	45.99	0.03							1.0
MORF	BZ10855	337	EPP			043	44.05	-0.16							1.0
MORF	BZ10855	337	IAMs_20			127	7.94			2227	21.3				

June 17 2023 Hour: 6:51 7.6 Lat: 40.16N Lon: 7.77W Depth: 19F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs
NE PAMPILHOSA DA SERRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	261	189	EP		651	43.770	.130							1.0
MESJ	HE	261	189	ES		652	9.88	-.050							1.0
MESJ	HN	261	189	IAML		652	23.37			128	0.4				
MORF	HZ	326	194	EP		651	51.74	-.080							1.0

June 17 2023 Hour: 11:26 27.0 Lat: 23.68S Lon: 175.83W Depth: 40F Agency: IGL Distant
Magnitudes: 0.1Ms IGL Rms: 0.1 secs
TONGA REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17936	34	EPKPdf			1146	22.33	-.040							1.0
GGNV	BZ17936	34	EPP			1150	49.850	0.010							1.0
MESJ	BZ18063	34	EPKPdf			1146	23.690	0.090							1.0
MESJ	BZ18063	34	EPP			1150	56.030	0.080							1.0
MORF	BZ18082	36	EPKPdf			1146	23.69	-.140							1.0

June 17 2023 Hour: 15: 5 13.6 Lat: 36.54N Lon: 7.20W Depth: 14F 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	170	328	EP		15 5	38.66	-.140							1.0
MESJ	HN	170	328	ES		15 5	57.330	0.140							1.0
MESJ	HN	170	328	IAML		15 5	59.45			1	0.2				

June 17 2023 Hour: 18:44 57.6 Lat: 14.83S Lon: 173.21W Depth: 10F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.1 secs
SAMOA ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17084	27	EPKPdf			19 4	48.020	0.090							1.0
MESJ	BZ17084	27	IAMs_20			20 6	16.65			2891	18.7				
MORF	BZ17111	29	EPKPdf			19 4	48.24	-.090							1.0
MORF	BZ17111	29	IAMs_20			20 7	7.32			2414	17.9				

June 18 2023 Hour: 2: 2 39.7 Lat: 36.28N Lon: 7.98W Depth: 35F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	332	EP		2 2	58.28	-.180							1.0
MESJ	HZ	175	353	EP		2 3	4.300	0.200							1.0
MESJ	HN	175	353	ES		2 3	21.93	-.020							1.0
MESJ	HE	175	353	IAML		2 3	22.71			4	0.1				

June 18 2023 Hour: 3:047.1 Lat: 35.53N Lon: 4.70W Depth: 32F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	406	310	EP		3	1	40.330	.160						1.0
MESJ	HN	406	310	ES		3	2	18.72	-.160						1.0
MESJ	HN	406	310	IAML		3	2	21.24			5	0.2			

June 18 2023 Hour: 7:50 54.2 Lat: 34.03N Lon: 5.42W Depth: 6F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	492	330	EP		751		59.92	-.020						1.0
MESJ	HE	492	330	ES		752		47.980	.020						1.0
MESJ	HN	492	330	IAML		752		51.90			8	0.2			

June 18 2023 Hour: 9:46 1.0 Lat: 37.32N Lon: 8.52W Depth: 10F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	263	EP		946		3.50	-.160						1.0
MORF	HN	12	263	ES		946		5.730	.160						1.0
MORF	HE	12	263	IAML		946		6.44			18	0.1			

June 18 2023 Hour: 9:56 9.2 Lat: 36.99N Lon: 8.94W Depth: 30F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	36	EP		956		17.250	.030						1.0
MORF	HN	43	36	ES		956		23.03	-.050						1.0
MORF	HE	43	36	IAML		956		23.67			13	0.1			
MESJ	HE	113	34	ES		956		38.440	.020						1.0
MESJ	HN	113	34	IAML		956		40.49			2	0.3			

June 18 2023 Hour: 9:59 29.5 Lat: 15.38S Lon: 167.51E Depth:123FAgency: 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
MESJ	BZ17508	351	EPKPdf			1019		10.210	.090						1.0
MESJ	BZ17508	351	EPKPab			1019		42.50	-.100						1.0
MORF	BZ17573	352	EPKPdf			1019		10.970	.060						1.0
MORF	BZ17573	352	EPKPab			1019		45.15	-.060						1.0

June 18 2023 Hour: 15:450.7 Lat: 23.77S Lon: 175.74W Depth: 10F Agency: IGL Distant
Rms: 0.1 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18066	34	EPKPdf			1524		52.040	.080						1.0
MESJ	BZ18066	34	EPP			1529		24.360	.150						1.0
MESJ	BE18066	34	ESS			1549		46.63	-.160						1.0
MORF	BZ18084	36	EPKPdf			1524		52.13	-.060						1.0

June 18 2023 Hour: 16:33 25.0 Lat: 38.31N Lon: 7.95W Depth: 0 Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

SE VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	58	204	EP		1633		34.390	.030						1.0
MESJ	HE	58	204	ES		1633		41.09	-.080						1.0
MESJ	HN	58	204	IAML		1633		43.10			17	0.1			
MORF	HZ	128	209	EP		1633		45.810	.120						1.0
MORF	HN	128	209	ES		1634		0.71	-.070						1.0
MORF	HN	128	209	IAML		1634		2.52			20	0.1			

June 18 2023 Hour: 20:30 25.2 Lat: 23.32N Lon: 108.53W Depth: 10F Agency: IGL Distant
Magnitudes: 6.6Ms IGL Rms: 0.1 secs
GULF OF CALIFORNIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BN	9196	51	ES		2053	7.16	-.130							1.0
GGNV	BZ	9196	51	IAMs_20		2118	24.09		44425	19.3					
MORF	BZ	9300	52	EP		2042	54.090	.080							1.0
MORF	BE	9300	52	ES		2053	15.680	.140							1.0
MORF	BZ	9300	52	IAMs_20		2117	8.55		20848	27.5					
MESJ	BZ	9310	52	EP		2042	54.37	-.060							1.0
MESJ	BN	9310	52	ES		2053	16.03	-.020							1.0
MESJ	BZ	9310	52	IAMs_20		2123	20.83		24228	17.1					

June 18 2023 Hour: 21:59 20.1 Lat: 48.93S Lon: 31.13E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs
SOUTH OF AFRICA Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10315	329	EP			2212	32.260	.070							1.0
MORF	BZ10315	329	IAMs_20			2245	9.02		3783	26.9					
MESJ	BZ10352	330	EP			2212	33.780	.100							1.0
MESJ	BN10352	330	ES			2223	8.13	-.170							1.0
MESJ	BZ10352	330	IAMs_20			2243	53.81		5120	38.7					

June 19 2023 Hour: 1:40 23.3 Lat: 15.28N Lon: 96.32E Depth: 5F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.1 secs
NEAR SOUTH COAST OF MYANMAR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10220	310	EP			153	32.700	.070							1.0
MESJ	BZ10220	310	IAMB			153	34.66		28	1.5					
MESJ	BZ10220	310	EPP			157	10.990	.020							1.0
MORF	BZ10277	310	EP			153	34.96	-.090							1.0

June 19 2023 Hour: 6:11 7.0 Lat: 36.82N Lon: 10.95W Depth: 30F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	212	75	EP		611	36.230	.060							1.0
MORF	HN	212	75	ES		611	57.39	-.060							1.0
MORF	HN	212	75	IAML		611	58.29		6	0.1					

June 19 2023 Hour: 11:18 12.2 Lat: 4.47S Lon: 144.87E Depth: 21F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs
NEAR N COAST OF NEW GUINEA, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ15438	328	EPKp \bar{d} f			1137	36.140	.100							1.0
GRNL	BZ15438	328	EPP			1140	27.47	-.060							1.0
GRNL	BE15438	328	IAMs_20			1226	1.56		6242	36.1					
MESJ	BZ15439	327	EPKp \bar{d} f			1137	36.140	.070							1.0
MESJ	BZ15439	327	EPP			1140	27.59	-.010							1.0
MESJ	BE15439	327	ESS			1158	42.37	-.190							0.9
MESJ	BZ15439	327	IAMs_20			1244	21.24		4190	20.8					
MORF	BZ15509	327	EPKp \bar{d} f			1137	37.370	.120							1.0
MORF	BZ15509	327	EPP			1140	31.48	-.040							1.0
MORF	BE15509	327	IAMs_20			1223	42.73		7176	32.0					

June 19 2023 Hour: 19:14 34.6 Lat: 36.61N Lon: 7.47W Depth: 18F 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	130	306	EP		1914	54.30	-.190							1.0
MESJ	HZ	151	334	EP		1914	57.100	.020							1.0
MESJ	HE	151	334	ES		1915	13.730	.200							1.0
MESJ	HN	151	334	IAML		1915	15.53		3	0.2					

GRNL CZ	192	330	EP	1915	2.170.010														1.0
GRNL CN	192	330	ES	1915	22.26-.040														1.0
GRNL CN	192	330	IAML	1915	23.99					3	0.1								

June 19 2023 Hour: 22:27 58.4 Lat: 37.45N Lon: 8.51W Depth: 15F Agency: IGL Regional
Magnitudes: 0.1ML 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	21	217	EP		2228	2.42-	.100							1.0
MORF	HE	21	217	ES		2228	5.620.	.100							1.0
MORF	HN	21	217	IAML		2228	6.29			4	0.1				

June 20 2023 Hour: 3:45 34.9 Lat: 23.93S Lon: 175.03W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.0 secs

TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ17996	36	EP	KPdf		4	5	35.55-	.020						1.0
GRNL	BE17996	36	IAMs	_20		522	36.68			385	13.9				
MESJ	BZ18038	36	EP	KPdf		4	5	36.010.	.020						1.0
MESJ	BZ18038	36	IAMs	_20		514	56.06			468	23.9				

June 20 2023 Hour: 5:51 24.5 Lat: 37.11N Lon: 8.22W Depth: 25F 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	44	300	EP		551	32.28-	.040							1.0
MORF	HN	44	300	ES		551	38.300.	.250							1.0
MORF	HE	44	300	IAML		551	39.74			17	0.2				
MESJ	HZ	81	0	EP		551	37.30-	.150							1.0
MESJ	HN	81	0	ES		551	46.88-	.060							1.0
MESJ	HE	81	0	IAML		551	47.43			3	0.2				

June 20 2023 Hour: 8:39 18.8 Lat: 0.98S Lon: 98.61E Depth: 22F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.1 secs

KEPULAUAN BATU, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11562	309	EPP			857	36.300.	.020							1.0
MESJ	BZ11562	309	IAMs	_20		953	44.79			603	16.9				
GRNL	BZ11587	309	EPP			857	38.100.	.150							1.0
GRNL	BN11587	309	ESS			912	26.64-	.040							1.0
GRNL	BZ11587	309	IAMs	_20		939	16.63			415	13.8				
MORF	BZ11610	308	EPP			857	39.41-	.120							1.0
MORF	BZ11610	308	IAMs	_20		942	59.61			1144	39.1				

June 20 2023 Hour: 17:2 52.2 Lat: 0.86N Lon: 28.35W Depth: 10F Agency: IGL Distant
Magnitudes: 4.6Ms IGL Rms: 0.1 secs

CENTRAL MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4516	24	EP		1710	31.95-	.110							1.0
MORF	BZ	4516	24	IAMs	_20	1723	11.74			1017	27.4				
GRNL	BZ	4596	24	EP		1710	38.060.	.110							1.0
GRNL	BZ	4596	24	IAMs	_20	1723	20.77			907	21.6				

June 20 2023 Hour: 23:47 25.6 Lat: 38.90N Lon: 11.19W Depth: 10F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	245	110	EP		2347	56.26-	.200							1.0
GRNL	CE	245	110	ES		2348	19.020.	.040							1.0
GRNL	CN	245	110	IAML		2348	22.26			9	0.1				
MORF	HN	285	128	ES		2348	27.37-	.080							1.0
MESJ	HZ	285	113	EP		2348	1.410.	.030							1.0
MORF	HZ	285	128	EP		2348	1.440.	.090							1.0
MESJ	HN	285	113	ES		2348	27.620.	.120							1.0

MESJ HN 285 113 IAML 2348 31.69 3 0.1
 MORF HN 285 128 IAML 2348 31.71 5 0.1

June 21 2023 Hour: 0:20 58.3 Lat: 37.14N Lon: 7.94W Depth: 12F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

SW S.BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	66	287	EP		021	8.70	-.210							1.0
MORF	HE	66	287	ES		021	16.710	.040							1.0
MORF	HN	66	287	IAML		021	18.77		16	0.2					
MESJ	HZ	82	343	EP		021	11.32	-.020							1.0
MESJ	HN	82	343	ES		021	20.990	.120							1.0
MESJ	HN	82	343	IAML		021	23.06		4	0.1					
GRNL	CZ	121	333	EP		021	17.330	.030							1.0
GRNL	CN	121	333	ES		021	31.230	.040							1.0
GRNL	CN	121	333	IAML		021	33.31		4	0.2					

June 21 2023 Hour: 4:10 53.9 Lat: 12.87S Lon: 14.66W Depth: 10F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.1 secs

SOUTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	5590	6	EP		419	50.540	.220							1.0
MORF	BZ	5590	6	I Amb		419	53.57		275	2.0					
MESJ	BZ	5654	7	EP		419	54.670	.040							1.0
MESJ	BZ	5654	7	I Amb		419	59.12		179	2.2					
GRNL	BZ	5679	6	EP		419	56.620	.290							1.0
GRNL	BZ	5679	6	I Amb		420	0.66		194	2.0					
GRNL	BN	5679	6	ES		427	14.930	.260							1.0
GGNV	BZ	5740	6	EP		420	0.580	.180							1.0
GGNV	BZ	5740	6	I Amb		420	4.12		325	1.8					

June 21 2023 Hour: 5:12 22.9 Lat: 28.04N Lon: 56.00E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

SOUTHERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5989	298	EP		521	46.06	-.000							1.0
MESJ	BZ	5989	298	I Amb		521	56.36		17	1.3					
GRNL	BZ	6015	298	EP		521	47.710	.000							1.0
GRNL	BZ	6015	298	I Amb		521	58.58		39	1.3					

June 21 2023 Hour: 17:58 44.6 Lat: 36.43N Lon: 9.90W Depth: 33F 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	147	49	EP		1759	5.690	.020							1.0
MORF	HN	147	49	ES		1759	21.100	.030							1.0
MORF	HN	147	49	IAML		1759	22.96		5	0.2					
MESJ	HZ	216	43	EP		1759	14.12	-.030							1.0
GRNL	CZ	220	32	EP		1759	14.60	-.070							1.0
GRNL	CN	220	32	ES		1759	36.680	.040							1.0
GRNL	CN	220	32	IAML		1759	39.20		5	0.2					

June 22 2023 Hour: 2:39 19.0 Lat: 37.82N Lon: 8.96W Depth: 1F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	47	47	EP		239	26.45	-.120							1.0
GRNL	CN	47	47	ES		239	32.300	.180							1.0
GRNL	CN	47	47	IAML		239	32.53		15	0.1					
MESJ	HZ	65	88	EP		239	29.34	-.150							1.0
MESJ	HE	65	88	ES		239	37.250	.090							1.0
MESJ	HN	65	88	IAML		239	38.09		2	0.1					

June 22 2023 Hour: 3:41 51.2 Lat: 36.33N Lon: 8.41W Depth: 14F 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
MESJ	HZ	168	6	EP		342	16.190	.010							1.0
MESJ	HN	168	6	ES		342	34.39	-.030							1.0
MESJ	HN	168	6	IAML		342	36.27		3	0.2					
GRNL	CN	198	356	ES		342	40.760	.010							1.0
GRNL	CN	198	356	IAML		342	42.31		3	0.1					

June 22 2023 Hour: 7:45 59.2 Lat: 37.33N Lon: 8.49W 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	15	257	EP		746	2.35	-.040							1.0
MORF	HE	15	257	ES		746	4.880	.130							1.0
MORF	HN	15	257	IAML		746	5.33		27	0.1					
GRNL	CN	86	355	ES		746	22.81	-.100							1.0
GRNL	CN	86	355	IAML		746	24.36		1	0.1					

June 22 2023 Hour: 12:45 49.1 Lat: 37.38N Lon: 7.61W Depth: 20F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
SW ALCOUTIM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	74	314	EP		1246	1.10	-.100							1.0
MESJ	HN	74	314	ES		1246	10.020	.010							1.0
MESJ	HN	74	314	IAML		1246	12.06		16	0.1					
MORF	HZ	93	265	EP		1246	3.94	-.060							1.0
MORF	HN	93	265	ES		1246	14.860	.000							1.0
MORF	HN	93	265	IAML		1246	16.50		14	0.2					
GRNL	CZ	117	314	EP		1246	7.370	.150							1.0

June 23 2023 Hour: 11:1 59.7 Lat: 37.59N Lon: 9.20W Depth: 3F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.2 secs
NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	58	123	EP		11 2	8.91	-.070							1.0
MORF	HE	58	123	ES		11 2	15.65	-.130							1.0
MORF	HE	58	123	IAML		11 2	17.35		15	0.1					
MESJ	HZ	91	72	EP		11 2	14.600	.280							1.0
MESJ	HN	91	72	ES		11 2	24.94	-.070							1.0
MESJ	HN	91	72	IAML		11 2	26.44		3	0.1					

June 23 2023 Hour: 13:27 53.1 Lat: 44.91N Lon: 28.04W Depth: 10F Agency: IGL Distant
Magnitudes: 4.3Ms IGL Rms: 0.0 secs
NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1708	107	EP		1331	30.150	.080							1.0
GGNV	BZ	1708	107	IAMs_20		1336	5.31		3221	19.8					
GRNL	BZ	1786	108	EP		1331	39.16	-.020							1.0
GRNL	BZ	1786	108	IAMs_20		1336	18.72		2157	24.9					
MESJ	BZ	1828	109	EP		1331	43.95	-.050							1.0
MESJ	BZ	1828	109	IAMs_20		1336	26.60		1782	17.6					
MORF	BZ	1828	111	EP		1331	44.01	-.010							1.0
MORF	BZ	1828	111	IAMs_20		1335	56.67		1812	24.0					

June 23 2023 Hour: 13:50 34.9 Lat: 37.79N Lon: 8.26W Depth: 14F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs
SW ALJUSTREL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	7	32	EP		1350	37.440	.020							1.0
MESJ	HN	7	32	ES		1350	39.400	.130							1.0
MESJ	HN	7	32	IAML		1350	39.78		11	0.1					

GRNL CZ	45	323	EP	1350	42.26	-.110											1.0
GRNL CN	45	323	ES	1350	47.79	-.040											1.0
GRNL CN	45	323	IAML	1350	48.47				5	0.1							

**June 23 2023 Hour: 15:13 9.0 Lat: 44.73N Lon: 28.02W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Ms IGL Rms: 0.0 secs**

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1701	107	EP		1516	45.070	.040							1.0
GGNV	BZ	1701	107	IAMs_20		1521	22.71		6873	18.8					
GRNL	BZ	1778	108	EP		1516	54.10	-.020							1.0
GRNL	BZ	1778	108	IAMs_20		1521	15.22		6869	24.5					
MORF	BZ	1819	110	EP		1516	58.82	-.050							1.0
MORF	BZ	1819	110	IAMs_20		1521	13.86		5893	22.6					
MESJ	BZ	1820	108	EP		1516	58.960	.030							1.0
MESJ	BZ	1820	108	IAMs_20		1521	25.03		5883	22.6					

**June 23 2023 Hour: 19: 8 47.0 Lat: 44.96N Lon: 28.04W Depth: 10F Agency: IGL Distant
Magnitudes: 4.9Ms IGL Rms: 0.1 secs**

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1710	107	EP		1912	24.290	.170							1.0
GGNV	BZ	1710	107	IAMs_20		1917	3.60		9360	18.3					
GRNL	BZ	1788	108	EP		1912	33.260	.020							1.0
GRNL	BN	1788	108	ES		1915	32.61	-.130							1.0
GRNL	BZ	1788	108	IAMs_20		1916	56.06		9562	27.0					
MESJ	BZ	1830	109	EP		1912	38.100	.040							1.0
MESJ	BZ	1830	109	IAMs_20		1917	5.81		7353	20.0					
MORF	BZ	1830	111	EP		1912	38.01	-.090							1.0
MORF	BZ	1830	111	IAMs_20		1916	54.92		7815	22.5					

**June 23 2023 Hour: 21:48 23.0 Lat: 44.94N Lon: 28.08W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.1 secs**

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1712	107	EP		2152	0.38	-.050							1.0
GGNV	BZ	1712	107	IAMs_20		2156	38.34		17896	15.8					
GRNL	BZ	1790	108	EP		2152	9.41	-.130							1.0
GRNL	BN	1790	108	ES		2155	9.460	.180							1.0
GRNL	BZ	1790	108	IAMs_20		2156	30.01		16390	21.8					
MESJ	BN	1832	109	ES		2155	18.500	.110							1.0
MESJ	BZ	1832	109	IAMs_20		2156	41.43		16086	24.3					
MORF	BZ	1832	111	EP		2152	14.420	.040							1.0
MESJ	BZ	1832	109	EP		2152	14.22	-.130							1.0
MORF	BZ	1832	111	IAMs_20		2156	30.29		13972	21.5					

**June 24 2023 Hour: 0:21 5.1 Lat: 38.68N Lon: 8.50W Depth: 1F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs**

W VENDAS NOVAS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CN	63	186	ES		021	22.65	-.120							1.0
GRNL	CE	63	186	IAML		021	23.46			2	0.1				
MESJ	HZ	96	165	EP		021	20.690	.120							1.0

**June 24 2023 Hour: 0:54 2.2 Lat: 35.39N Lon: 3.61W Depth: 20F Agency: IGL Regional
Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	494	305	EP		055	6.810	.020							1.0
MORF	HZ	500	297	EP		055	7.56	-.010							1.0
GRNL	CZ	535	306	EP		055	11.85	-.010							1.0

June 24 2023 Hour: 1:31 36.2 Lat: 35.38N Lon: 11.61W Depth: 30F 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	341	50	EP		132	21.35	-.030							1.0
MORF	HE	341	50	ES		132	54.36	0.020							1.0
MORF	HN	341	50	IAML		132	55.91			5	0.1				
GRNL	CZ	407	41	EP		132	29.43	-.040							1.0
MESJ	HN	408	47	ES		133	8.70	0.060							1.0
MESJ	HN	408	47	IAML		133	11.58			1	0.1				

June 24 2023 Hour: 1:35 8.8 Lat: 44.96N Lon: 28.04W Depth: 10F Agency: IGL Distant
Magnitudes: 4.2Ms IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ	1788	108	EP		138	55.07	0.010							1.0
GRNL	BE	1788	108	IAMs_20		143	27.26			1392	14.9				
MESJ	BZ	1830	109	EP		138	59.86	-.010							1.0
MESJ	BZ	1830	109	IAMs_20		143	43.22			1406	19.3				

June 24 2023 Hour: 3:31 33.5 Lat: 8.04S Lon: 74.46W Depth: 162F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8474	49	EP		343	3.71	0.030							1.0
MORF	BZ	8474	49	IAMB		343	5.46			80	1.1				
GRNL	BZ	8514	48	EP		343	5.59	-.030							1.0
GRNL	BZ	8514	48	IAMB		343	7.29			28	0.8				

June 24 2023 Hour: 10:55 4.0 Lat: 36.63N Lon: 7.17W Depth: 17F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	164	326	EP		1055	27.98	-.130							1.0
MESJ	HE	164	326	ES		1055	45.71	-.010							1.0
MESJ	HN	164	326	IAML		1055	47.24			1.00	0.1				
GRNL	CZ	206	323	EP		1055	33.26	-.090							1.0
GRNL	CN	206	323	ES		1055	55.01	0.240							1.0
GRNL	CE	206	323	IAML		1055	56.18			0.80	0.1				

June 24 2023 Hour: 11: 2 7.8 Lat: 36.56N Lon: 7.60W Depth: 21F 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	152	339	EP		11 2	30.02	-.070							1.0
MESJ	HN	152	339	ES		11 2	46.47	0.100							1.0
MESJ	HE	152	339	IAML		11 2	47.40			2	0.1				
GRNL	CZ	192	334	EP		11 2	34.99	-.040							1.0

June 24 2023 Hour: 11:45 18.4 Lat: 44.06N Lon: 11.92W Depth: 27F Agency: IGL Regional
Magnitudes: 4.2ML 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
GGNV	HZ	637	158	EP		1146	39.76	0.020							1.0
GGNV	HN	637	158	ES		1147	39.04	-.070							1.0
GGNV	HZ	637	158	IAML		1147	42.88			480	0.2				
GRNL	CZ	718	156	EP		1146	49.34	-.100							1.0
GRNL	CE	718	156	ES		1147	55.73	-.160							1.0
GRNL	CE	718	156	IAML		1148	0.63			259	0.1				
MESJ	HZ	757	154	EP		1146	54.26	0.190							0.9
MESJ	HN	757	154	ES		1148	3.77	-.130							0.9
MESJ	HN	757	154	IAML		1148	5.76			114	0.3				
MORF	HZ	799	159	EP		1146	59.13	0.130							0.9

MORF HN 799 159 ES 1148 12.600.160 0.9
MORF HN 799 159 IAML 1148 17.88 257 0.3

**June 24 2023 Hour: 23:12 53.2 Lat: 35.40N Lon: 3.64W Depth: 4F 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	491	305	EP		2313	59.140	.090							1.0
GRNL	CZ	533	306	EP		2314	4.02	-.100							1.0

**June 25 2023 Hour: 1:0 58.6 Lat: 35.18N Lon: 5.67W Depth: 22F Agency: IGL Regional
Rms: 0.0 secs**

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	373	323	EP		1 1	48.360	.030							1.0
GRNL	CZ	416	322	EP		1 1	53.52	-.040							1.0

**June 25 2023 Hour: 4:29 18.4 Lat: 36.93N Lon: 13.31W Depth: 39F Agency: IGL Regional
Rms: 0.0 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	439	71	EP		430	13.250	.120							1.0
MESJ	HZ	462	76	EP		430	15.82	-.120							1.0

**June 25 2023 Hour: 7:17 0.7 Lat: 24.03S Lon: 175.63W Depth: 7F Agency: IGL Distant
Magnitudes: 6.9Ms IGL Rms: 0.1 secs**

SOUTH OF TONGA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17956	35	EPKp _{df}			737	1.31	-.180							1.0
GGNV	BZ17956	35	IAMs_20			845	44.30		18976	21.1					
GRNL	BZ18040	35	EPKp _{df}			737	2.420	.110							1.0
GRNL	BN18040	35	ESS			8 1	55.480	.160							1.0
GRNL	BZ18040	35	IAMs_20			846	14.25		17140	20.4					
MESJ	BZ18083	35	EPKp _{df}			737	2.70	-.010							1.0
MESJ	BZ18083	35	IAMs_20			846	46.32		15518	20.7					
MORF	BZ18101	37	EPKp _{df}			737	2.84	-.080							1.0
MORF	BZ18101	37	IAMs_20			847	12.01		15579	21.5					

**June 25 2023 Hour: 15:1 26.0 Lat: 36.53N Lon: 9.74W Depth: 13F 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	130	48	EP		15 1	46.29	-.020							1.0
MORF	HN	130	48	ES		15 2	1.06	-.070							1.0
MORF	HN	130	48	IAML		15 2	2.30		16	0.2					
MESJ	HZ	199	42	EP		15 1	54.77	-.060							1.0
MESJ	HN	199	42	ES		15 2	16.080	.210							1.0
MESJ	HN	199	42	IAML		15 2	16.74		2	0.1					
GRNL	CZ	204	30	EP		15 1	55.39	-.090							1.0
GRNL	CN	204	30	ES		15 2	17.040	.040							1.0
GRNL	CN	204	30	IAML		15 2	18.05		9	0.1					

**June 25 2023 Hour: 19:18 37.9 Lat: 36.60N Lon: 11.29W Depth: 26F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	248	71	EP		1919	11.64	-.150							1.0
GRNL	CN	294	54	ES		1919	46.520	.210							1.0
GRNL	CE	294	54	IAML		1919	47.69		2	0.1					
MESJ	HZ	305	62	EP		1919	18.87	-.050							1.0

June 26 2023 Hour: 7:39 10.2 Lat: 38.53N Lon: 7.95W Depth: 4F Agency: IGL Regional
Magnitudes: 1.8ML 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	72	230	EP		739	21.84	0.120							1.0
GRNL	CN	72	230	ES		739	30.07	-.080							1.0
GRNL	CN	72	230	IAML		739	31.81			40	0.2				
MESJ	HZ	80	197	EP		739	23.15	0.050							1.0
MESJ	HN	80	197	ES		739	32.52	-.010							1.0
MESJ	HN	80	197	IAML		739	33.97			16	0.2				
MORF	HZ	149	205	EP		739	33.93	0.130							1.0
MORF	HN	149	205	ES		739	50.84	-.210							1.0
MORF	HN	149	205	IAML		739	52.28			21	0.2				

June 26 2023 Hour: 12:36 8.3 Lat: 23.93S Lon: 175.96W Depth: 35F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.1 secs
TONGA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ18050	34	EPKp \bar{d} f			1256	5.55	0.130							1.0
GRNL	BZ18050	34	IAMs_20			14 5	17.05			596	20.4				
MESJ	BZ18093	34	EPKp \bar{d} f			1256	5.70	-.130							1.0
MESJ	BZ18093	34	IAMs_20			14 5	28.41			515	17.4				

June 27 2023 Hour: 5:12 51.0 Lat: 35.39N Lon: 9.63W Depth: 31F Agency: IGL Regional
Magnitudes: 2.0ML 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	230	22	EP		513	21.53	-.070							1.0
MORF	HN	230	22	ES		513	44.06	0.150							1.0
MORF	HN	230	22	IAML		513	44.84			10	0.1				
MESJ	HZ	299	24	EP		513	30.30	0.060							1.0
GRNL	CZ	316	17	EP		513	31.99	-.300							1.0
GRNL	CN	316	17	ES		514	2.55	0.140							1.0
GRNL	CN	316	17	IAML		514	4.88			6	0.1				

June 27 2023 Hour: 9:59 11.5 Lat: 35.64N Lon: 9.87W 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	215	30	EP		959	41.01	-.000							1.0
MORF	HE	215	30	ES		10 0	2.45	-.080							1.0
MORF	HN	215	30	IAML		10 0	3.51			8	0.1				
MESJ	HZ	286	31	EP		959	49.78	0.030							1.0
GRNL	CE	298	23	ES		10 0	20.36	0.060							1.0
GRNL	CN	298	23	IAML		10 0	21.74			4	0.1				

June 27 2023 Hour: 12: 5 31.1 Lat: 36.44N Lon: 8.15W Depth: 22F 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	106	335	EP		12 5	47.50	-.090							1.0
MORF	HE	106	335	ES		12 5	59.73	0.090							1.0
MORF	HN	106	335	IAML		12 6	1.73			5	0.1				

June 27 2023 Hour: 14: 7 28.4 Lat: 0.58N Lon: 79.99W Depth: 37F 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	8334	52	EP		1419	5.34	-.150							1.0
MORF	BZ	8334	52	IAMB		1419	7.21			35	1.1				
GRNL	BZ	8358	51	EP		1419	6.85	0.150							1.0
GRNL	BZ	8358	51	IAMB		1419	8.45			20	0.5				

June 27 2023 Hour: 18:32 33.0 Lat: 36.82N Lon: 7.08W Depth: 22F 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	152	319	EP		1832	55.240	.020							1.0
MESJ	HE	152	319	ES		1833	11.41	-.040							1.0
MESJ	HN	152	319	IAML		1833	12.66		1.00	0.1					
GRNL	CZ	195	318	EP		1833	0.540	.020							1.0

June 27 2023 Hour: 23:38 21.5 Lat: 42.10N Lon: 134.01E Depth:476F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs
PRIMOR'YE, RUSSIA Net: GFZ

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ10359	331	331	EP		2350	43.76	-.100							1.0
MESJ	BZ10372	331	331	EP		2350	44.540	.140							1.0
MESJ	BZ10372	331	IAMB			2350	51.00		21	1.0					
MESJ	BZ10372	331	EPP			2352	31.790	.050							1.0
MESJ	BZ10372	331	EPP			2354	36.11	-.060							1.0
MORF	BZ10442	331	EP			2350	47.30	-.030							1.0

June 28 2023 Hour: 16: 6 35.6 Lat: 36.76N Lon: 11.05W Depth: 2F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	221	74	EP		16 7	8.33	-.040							1.0
MORF	HN	221	74	ES		16 7	32.26	-.050							1.0
MORF	HN	221	74	IAML		16 7	34.53		12	0.1					
GRNL	CZ	265	55	EP		16 7	13.830	.040							1.0
GRNL	CE	265	55	ES		16 7	41.730	.050							1.0
GRNL	CE	265	55	IAML		16 7	43.12		3	0.1					
MESJ	HZ	278	64	EP		16 7	15.340	.010							1.0

June 28 2023 Hour: 17: 7 18.6 Lat: 37.67N Lon: 8.37W Depth: 17F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs
W OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	23	36	EP		17 7	23.220	.030							1.0
MESJ	HE	23	36	ES		17 7	26.510	.010							1.0
MESJ	HN	23	36	IAML		17 7	26.74		7	0.2					
MORF	HE	48	211	ES		17 7	32.55	-.010							1.0
MORF	HN	48	211	IAML		17 7	33.99		7	0.2					
GRNL	CZ	51	340	EP		17 7	27.210	.010							1.0
GRNL	CN	51	340	ES		17 7	33.41	-.040							1.0
GRNL	CN	51	340	IAML		17 7	34.25		3	0.1					

June 28 2023 Hour: 23:41 13.4 Lat: 37.29N Lon: 8.58W Depth: 11F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.2 secs
SW MOCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	7	286	EP		2341	15.28	-.330							1.0
MORF	HE	7	286	ES		2341	17.360	.170							1.0
MORF	HE	7	286	IAML		2341	17.67		31	0.1					
MESJ	HZ	69	27	EP		2341	24.62	-.020							1.0
MESJ	HE	69	27	ES		2341	32.860	.050							1.0
MESJ	HE	69	27	IAML		2341	33.52		1	0.1					
GRNL	CZ	91	1	EP		2341	28.070	.080							1.0
GRNL	CN	91	1	ES		2341	38.650	.050							1.0
GRNL	CE	91	1	IAML		2341	39.65		2	0.1					

June 29 2023 Hour: 0:16 57.5 Lat: 36.50N Lon: 9.91W Depth: 33F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	143	51	EP		017	18.120	.010							1.0
MORF	HN	143	51	ES		017	33.150	.000							1.0
MORF	HE	143	51	IAML		017	35.69			147	0.1				
MESJ	HZ	211	45	EP		017	26.43	-.100							1.0
MESJ	HE	211	45	ES		017	47.70	-.010							1.0
MESJ	HN	211	45	IAML		017	49.07			32	0.2				
GRNL	CZ	215	33	EP		017	26.79	-.130							1.0
GRNL	CE	215	33	ES		017	48.620	.230							1.0
GRNL	CN	215	33	IAML		017	50.32			33	0.1				

June 29 2023 Hour: 5:15 49.6 Lat: 20.44S Lon: 178.08W Depth: 528F Agency: IGL Distant
Magnitudes: 0.0ML IGL Rms: 0.0 secs
FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	BZ17824		25	EP	KPab	535	32.10	-.010							1.0

June 29 2023 Hour: 12: 7 28.3 Lat: 38.17N Lon: 8.28W Depth: 1F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs
NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	26	254	EP		12 7	32.570	.070							1.0
GRNL	CN	26	254	ES		12 7	35.660	.060							1.0
GRNL	CN	26	254	IAML		12 7	36.17			25	0.1				
MESJ	HZ	38	172	EP		12 7	34.27	-.040							1.0
MESJ	HE	38	172	ES		12 7	38.65	-.080							1.0
MESJ	HN	38	172	IAML		12 7	39.11			10	0.1				

June 29 2023 Hour: 13:21 36.2 Lat: 38.08N Lon: 8.29W Depth: 5F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs
W FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	25	277	EP		1321	40.330	.010							1.0
GRNL	CN	25	277	ES		1321	43.22	-.100							1.0
GRNL	CN	25	277	IAML		1321	43.37			22	0.2				
MESJ	HZ	28	168	EP		1321	40.860	.140							1.0
MESJ	HE	28	168	ES		1321	43.98	-.040							1.0
MESJ	HN	28	168	IAML		1321	44.22			9	0.1				

June 30 2023 Hour: 1:14 5.5 Lat: 38.33N Lon: 7.89W Depth: 1F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs
E VIANA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	61	209	EP		114	15.41	-.030							1.0
MESJ	HE	61	209	ES		114	22.46	-.210							1.0
MESJ	HE	61	209	IAML		114	24.52			2	0.1				
GRNL	CZ	65	248	EP		114	16.000	.070							1.0
GRNL	CN	65	248	ES		114	23.700	.170							1.0
GRNL	CE	65	248	IAML		114	24.75			3	0.1				

June 30 2023 Hour: 2:30 2.1 Lat: 38.20N Lon: 8.27W Depth: 8F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs
NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	28	249	EP		230	6.76	-.040							1.0
GRNL	CN	28	249	ES		230	10.14	-.110							1.0
GRNL	CE	28	249	IAML		230	10.54			613	0.1				
MESJ	HZ	40	174	EP		230	8.870	.190							1.0
MESJ	HN	40	174	ES		230	13.46	-.040							1.0
MESJ	HN	40	174	IAML		230	13.77			186	0.1				

MORF HE 105 199 ES 230 31.150.000 1.0
MORF HN 105 199 IAML 230 32.25 121 0.3

**June 30 2023 Hour: 2:52 50.5 Lat: 38.20N Lon: 8.27W Depth: 3F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs**

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GRNL	CZ	28	250	EP		252	55.01	-.060							1.0
GRNL	CE	28	250	ES		252	58.400	.010							1.0
GRNL	CN	28	250	IAML		252	58.76			11	0.1				
MESJ	HZ	40	174	EP		252	57.090	.110							1.0
MESJ	HN	40	174	ES		253	1.64	-.060							1.0
MESJ	HN	40	174	IAML		253	1.99			5	0.2				

**June 30 2023 Hour: 9:11 1.3 Lat: 36.39N Lon: 9.77W Depth: 13F 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	142	44	EP		911	23.230	.060							1.0
MORF	HE	142	44	ES		911	39.170	.070							1.0
MORF	HN	142	44	IAML		911	40.28			13	0.2				
GRNL	CZ	218	29	EP		911	32.40	-.200							1.0
GRNL	CN	218	29	ES		911	55.480	.060							1.0
GRNL	CE	218	29	IAML		911	56.80			5	0.1				

**June 30 2023 Hour: 12:57 41.1 Lat: 8.70S Lon: 110.03E Depth: 52F Agency: IGL Distant
Rms: 0.1 secs**

JAVA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13083	308	EPK	Pdf		1316	20.93	-.030							1.0
MESJ	BZ13083	308	EPP			1317	33.680	.150							1.0
GRNL	BZ13107	308	EPK	Pdf		1316	21.22	-.140							1.0
MORF	BZ13132	308	EPK	Pdf		1316	21.870	.020							1.0

**June 30 2023 Hour: 14:38 4.0 Lat: 36.89N Lon: 8.59W Depth: 25F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	46	353	EP		1438	12.280	.140							1.0
MORF	HN	46	353	ES		1438	17.98	-.140							1.0
MORF	HE	46	353	IAML		1438	18.39			7	0.2				

**June 30 2023 Hour: 20:32 50.2 Lat: 35.52N Lon: 3.69W Depth: 1F Agency: IGL Regional
Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	480	304	EP		2033	55.01	-.040							1.0
GRNL	CZ	522	305	EP		2034	0.140	.040							1.0

**June 30 2023 Hour: 23:30 21.0 Lat: 37.53N Lon: 4.57W Depth: 11F Agency: IGL Regional
Rms: 0.1 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	324	277	EP		2331	5.47	-.060							1.0
GRNL	CZ	358	282	EP		2331	9.820	.060							1.0