

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

January to February

2019

Instituto D. Luiz
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Faculty of Science
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STATIONS USED

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

Lisboa (IGIDL)
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Marmelete (Picos)
MORF

Latitude	37.3043N
Longitude	8.6527W
Height	560m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

January 1 2019 Hour: 0:37 0.2 Lat: 40.46N Lon: 10.51W Depth: 32F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs
NORTH ATLANTIC OCEAN Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 386 155 EP 037 50.930.040 1.0
 MORF HN 386 155 ES 038 27.83-.040 1.0
 MORF HE 386 155 IAML 038 29.57 3 0.1

January 1 2019 Hour: 4:35 16.8 Lat: 36.24N Lon: 9.62W Depth: 7F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 146 36 EP 435 39.810.060 1.0
 MORF HE 146 36 ES 435 56.44-.060 1.0
 MORF HE 146 36 IAML 435 57.93 28 0.1

January 1 2019 Hour: 17:21 51.7 Lat: 34.56N Lon: 5.60W Depth: 30F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs
MOROCCO Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 411 319 EP 1722 45.48-.010 1.0
 MORF HE 411 319 ES 1723 24.760.010 1.0
 MORF HN 411 319 IAML 1723 31.07 4 0.2

January 2 2019 Hour: 6:48 43.2 Lat: 58.35N Lon: 153.20W Depth: 62F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs
KODIAK ISLAND REGION, ALASKA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF BZ 8906 28 EP 7 0 46.42-.010 1.0
 MORF BZ 8906 28 IAMB 7 0 47.50 22 1.2

January 2 2019 Hour: 13:55 59.2 Lat: 37.33N Lon: 8.54W Depth: 12F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs
NE MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 10 254 EP 1356 1.75-.090 1.0
 MORF HE 10 254 ES 1356 3.850.090 1.0
 MORF HE 10 254 IAML 1356 4.67 26 0.1

January 2 2019 Hour: 22:38 31.7 Lat: 37.35N Lon: 8.54W Depth: 17F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs
NE MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 11 243 EP 2238 34.96-.010 1.0
 MORF HE 11 243 ES 2238 37.390.010 1.0
 MORF HN 11 243 IAML 2238 37.88 50 0.3

January 3 2019 Hour: 21:11 51.7 Lat: 5.62S Lon: 76.90W Depth: 44F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs
NORTHERN PERU Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF BZ 8503 50 EP 2123 36.66-.030 1.0
 MORF BZ 8503 50 IAMB 2123 38.37 15 0.9
 MESJ BZ 8558 49 EP 2123 39.440.030 1.0
 MESJ BZ 8558 49 IAMB 2123 40.18 7 1.0

January 4 2019 Hour: 7:15 23.0 Lat: 36.36N Lon: 10.94W Depth: 20F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 229 62 EP 715 55.110.030 1.0
 MORF HE 229 62 ES 716 18.42-.070 1.0
 MORF HN 229 62 IAML 716 20.02 5 0.1

MESJ HN 292 55 ES 716 31.980.040 1.0
 MESJ HE 292 55 IAML 716 33.30 1 0.1

**January 4 2019 Hour: 18:11 33.5 Lat: 36.71N Lon: 9.81W Depth: 14F 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	122	57	EP		1811	52.800	.100							1.0
MORF	HE	122	57	ES		1812	6.55-	.190							1.0
MORF	HN	122	57	IAML		1812	7.81			7	0.1				
MESJ	HZ	189	48	EP		1812	0.87-	.100							1.0
MESJ	HN	189	48	ES		1812	21.230	.190							1.0
MESJ	HE	189	48	IAML		1812	22.27			1	0.1				

**January 4 2019 Hour: 22: 8 16.8 Lat: 36.40N Lon: 7.80W Depth: 11F Agency: IGL Regional
 Magnitudes: 0.9ML IGL Rms: 0.2 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	323	EP		22 8	36.57-	.080							1.0
MESJ	HZ	164	347	EP		22 8	41.830	.300							1.0
MESJ	HN	164	347	ES		22 8	59.35-	.220							1.0
MESJ	HN	164	347	IAML		22 9	0.25			1	0.1				

**January 4 2019 Hour: 22:28 46.2 Lat: 35.74N Lon: 8.85W Depth: 36F 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	174	6	EP		2229	10.62-	.070							1.0
MORF	HN	174	6	ES		2229	28.52-	.030							1.0
MORF	HN	174	6	IAML		2229	31.96			381	0.3				
MESJ	HZ	240	13	EP		2229	18.830	.080							1.0
MESJ	HN	240	13	ES		2229	42.42-	.070							1.0
MESJ	HN	240	13	IAML		2229	44.12			74	0.1				
GGNV	HZ	331	355	EP		2229	30.240	.120							0.9
GGNV	HN	331	355	ES		2230	2.15-	.020							0.9
GGNV	HE	331	355	IAML		2230	4.31			166	0.4				

**January 5 2019 Hour: 9:51 45.6 Lat: 35.63N Lon: 3.91W 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	457	304	EP		952	47.660	.010							1.0

**January 5 2019 Hour: 12:19 16.0 Lat: 36.58N Lon: 8.10W Depth: 20F Agency: IGL Regional
 Magnitudes: 1.3ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	94	329	EP		1219	31.080	.040							1.0
MESJ	HZ	140	356	EP		1219	36.93-	.010							1.0
MESJ	HE	140	356	ES		1219	52.21-	.030							1.0
MESJ	HE	140	356	IAML		1219	53.04			4	0.1				

**January 5 2019 Hour: 16:13 19.0 Lat: 36.88N Lon: 10.74W Depth: 1 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	191	75	EP		1613	48.14-	.010							1.0
MESJ	HZ	247	64	EP		1613	55.100	.040							1.0
MESJ	HN	247	64	ES		1614	21.33-	.030							1.0
MESJ	HN	247	64	IAML		1614	23.09			1.00	0.1				

January 5 2019 Hour: 18:47 9.4 Lat: 51.41N Lon: 178.35W Depth: 19F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

ANDREANOF ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9971	8	EP		19 0	5.860	0.060							1.0
GGNV	BZ	9971	8	I Amb		19 0	8.77			56	0.9				
GGNV	BZ	9971	8	EPP		19 3	38.21	-.210							1.0
MESJ	BZ10077		8	EP		19 0	10.320	0.040							1.0
MESJ	BZ10077		8	I Amb		19 0	12.53			7	0.7				
MORF	BZ10132		8	EP		19 0	12.730	0.100							1.0
MORF	BZ10132		8	I Amb		19 0	15.43			62	1.1				

January 5 2019 Hour: 19:25 39.6 Lat: 8.14S Lon: 71.57W Depth: 575F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.2 secs

ACRE, BRASIL Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8244	48	EP		1936	18.110	0.260							1.0
MORF	BZ	8244	48	I Amb		1936	19.28			1002	0.9				
MORF	BZ	8244	48	EPP		1939	13.08	-.170							1.0
GGNV	BZ	8268	46	EP		1936	19.010	0.040							1.0
GGNV	BZ	8268	46	I Amb		1936	19.96			575	0.7				
GGNV	BZ	8268	46	EPP		1939	15.060	0.110							1.0
MESJ	BZ	8303	47	EP		1936	20.63	-.140							1.0
MESJ	BZ	8303	47	I Amb		1936	22.32			265	0.8				
MESJ	BZ	8303	47	EPP		1939	17.50	-.090							1.0

January 5 2019 Hour: 22:54 13.6 Lat: 25.84N Lon: 144.59E Depth: 8F Agency: IGL Distant
Magnitudes: 5.4Ms IGL Rms: 0.0 secs

VOLCANO ISLANDS, JAPAN REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12427		337	EPP		2313	30.62	-.030							1.0
MESJ	BZ12427		337	I AMs_20		24 7	54.31			930	20.7				
MORF	BZ12498		337	EPP		2313	35.260	0.030							1.0
MORF	BE12498		337	I AMs_20		2357	58.43			1230	24.7				

January 6 2019 Hour: 1:41 34.5 Lat: 37.12N Lon: 8.63W Depth: 21F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NE LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	21	354	EP		141	39.14	-.040							1.0
MORF	HE	21	354	ES		141	42.630	0.030							1.0
MORF	HE	21	354	I AML		141	43.22			15	0.2				
MESJ	HZ	88	24	EP		141	48.44	-.100							1.0
MESJ	HE	88	24	ES		141	58.910	0.120							1.0
MESJ	HE	88	24	I AML		141	59.58			0.50	0.1				

January 6 2019 Hour: 3:39 30.2 Lat: 35.94N Lon: 10.36W Depth: 31F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	215	45	EP		339	58.87	-.110							1.0
MORF	HE	215	45	ES		340	20.040	0.070							1.0
MORF	HN	215	45	I AML		340	22.10			23	0.1				
MESJ	HZ	284	42	EP		340	7.39	-.160							1.0
MESJ	HE	284	42	ES		340	35.000	0.200							1.0
MESJ	HE	284	42	I AML		340	36.50			3	0.1				

January 6 2019 Hour: 4:28 27.6 Lat: 36.68N Lon: 7.31W Depth: 30F 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	138	300	EP		428	47.650	.010							1.0
MORF	HN	138	300	ES		429	2.16-	.080							1.0
MORF	HN	138	300	IAML		429	2.85			2	0.1				
MESJ	HN	152	328	ES		429	5.210	.070							1.0
MESJ	HN	152	328	IAML		429	7.03			0.90	0.1				

January 6 2019 Hour: 5:57 47.9 Lat: 36.03N Lon: 4.67W Depth: 28F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	375	304	EP		558	37.36-	.010							1.0
MESJ	HN	375	304	ES		559	13.530	.010							1.0
MESJ	HN	375	304	IAML		559	15.55			1	0.2				
MORF	HN	383	293	ES		559	15.38-	.000							1.0
MORF	HN	383	293	IAML		559	15.80			0.80	0.1				

January 6 2019 Hour: 8:59 21.5 Lat: 36.73N Lon: 3.69W Depth: 2F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	420	288	EP		9 0	18.96-	.020							1.0

January 6 2019 Hour: 13:41 58.3 Lat: 34.12N Lon: 45.68E Depth: 14F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.1 secs

IRAN-IRAQ BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4812	291	EP		1349	59.500	.100							1.0
MESJ	BZ	4812	291	IAMB		1350	5.14			120	1.6				
MORF	BZ	4862	290	EP		1350	2.91-	.180							1.0
MORF	BZ	4862	290	IAMB		1350	9.70			171	1.8				
GGNV	BZ	4872	293	EP		1350	3.750	.070							1.0
GGNV	BZ	4872	293	IAMB		1350	9.62			169	1.3				

January 6 2019 Hour: 16:22 31.2 Lat: 39.85N Lon: 77.61E Depth: 5F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

SOUTHERN XINJIANG, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7144	299	EP		1633	7.43-	.020							1.0
MESJ	BZ	7144	299	IAMB		1633	12.15			26	1.0				
MESJ	BN	7144	299	ES		1641	46.630	.020							1.0

January 6 2019 Hour: 17:27 21.6 Lat: 2.22N Lon: 126.74E Depth: 60F Agency: IGL Distant
Rms: 0.0 secs

MOLUCCA SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13623	318	EP	KPdf		1746	9.710	.010							1.0
GGNV	BZ13637	320	EP	KPdf		1746	9.87-	.030							1.0
MORF	BZ13688	318	EP	KPdf		1746	10.890	.030							1.0

January 6 2019 Hour: 19:38 11.8 Lat: 37.65N Lon: 8.36W Depth: 10F Agency: IGL Regional
Magnitudes: 0.3ML 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	24	30	EP		1938	16.190	.090							1.0
MESJ	HN	24	30	ES		1938	19.13-	.090							1.0
MESJ	HN	24	30	IAML		1938	19.65			5	0.1				

January 7 2019 Hour: 13:43 29.7 Lat: 19.58S Lon: 68.93W Depth:107F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.1 secs
TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8914	45	EP		1355	27.85	-.140							1.0
MORF	BZ	8914	45	IAmb		1355	32.80			36	1.1				
MESJ	BZ	8979	44	EP		1355	31.180	.140							1.0
MESJ	BZ	8979	44	IAmb		1355	31.76			12	0.8				

January 7 2019 Hour: 15:15 41.1 Lat: 37.00N Lon: 5.47W Depth: 2F Agency: IGL Regional
Rms: 0.1 secs
SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	261	292	EP		1516	18.890	.140							1.0
MORF	HZ	285	278	EP		1516	21.64	-.140							1.0

January 7 2019 Hour: 15:57 44.5 Lat: 37.03N Lon: 5.44W Depth: 9F 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	262	291	EP		1558	21.690	.080							1.0
MORF	HZ	287	277	EP		1558	24.65	-.080							1.0

January 7 2019 Hour: 16:47 45.7 Lat: 37.07N Lon: 5.46W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	259	290	EP		1648	23.430	.160							1.0
MORF	HZ	285	276	EP		1648	26.34	-.170							1.0

January 8 2019 Hour: 0:33 1.6 Lat: 36.04N Lon: 10.10W Depth: 0 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	191	42	EP		033	30.820	.060							1.0
MORF	HN	191	42	ES		033	51.90	-.170							1.0
MORF	HE	191	42	IAML		033	54.99			4	0.2				
MESJ	HZ	261	39	EP		033	39.31	-.080							1.0
MESJ	HE	261	39	ES		034	7.200	.190							1.0
MESJ	HE	261	39	IAML		034	8.90			0.50	0.1				

January 8 2019 Hour: 10: 0 9.4 Lat: 4.64S Lon: 74.00W Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.0 secs
NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8188	49	EP		1011	42.88	-.030							1.0
MORF	BZ	8188	49	IAmb		1011	43.99			71	1.4				

January 8 2019 Hour: 12:39 30.0 Lat: 30.59N Lon: 131.04E Depth: 35F Agency: IGL Distant
Magnitudes: 6.9Ms IGL Rms: 0.1 secs
KYUSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11312	329	EPdif			1253	18.61	-.100							1.0
GGNV	BZ11312	329	EPP			1257	29.35	-.050							1.0
GGNV	BE11312	329	IAMs_20			1343	35.15			41139	21.7				
MESJ	BZ11345	328	EPdif			1253	20.240	.150							1.0
MESJ	BZ11345	328	EPP			1257	31.740	.030							1.0
MESJ	BE11345	328	ESS			1312	6.160	.110							1.0
MESJ	BZ11345	328	IAMs_20			1348	11.08			25810	18.0				
MORF	BZ11416	328	EPdif			1253	22.80	-.160							1.0
MORF	BZ11416	328	EPP			1257	36.39	-.140							1.0
MORF	BE11416	328	ESS			1312	15.060	.140							1.0
MORF	BZ11416	328	IAMs_20			1345	38.53			39049	22.4				

**January 9 2019 Hour: 4:53 56.9 Lat: 35.91N Lon: 7.68W Depth: 32F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	178	331	EP		454	21.73	-.030							1.0
MESJ	HZ	219	347	EP		454	27.050	.110							1.0
MESJ	HN	219	347	ES		454	48.77	-.080							1.0
MESJ	HN	219	347	IAML		454	50.08			2	0.2				

**January 9 2019 Hour: 5:53 0.2 Lat: 35.19N Lon: 4.45W Depth: 14F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs**

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	445	303	EP		553	59.44	-.000							1.0
MORF	HN	445	303	ES		554	42.59	-.090							1.0
MORF	HN	445	303	IAML		554	45.32			6	0.2				
MESJ	HZ	448	312	EP		553	59.870	.090							1.0
MESJ	HN	448	312	ES		554	43.270	.000							1.0
MESJ	HN	448	312	IAML		554	45.92			5	0.1				

**January 9 2019 Hour: 18:18 26.1 Lat: 36.99N Lon: 8.62W Depth: 18F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	35	355	EP		1818	32.390	.000							1.0
MORF	HE	35	355	ES		1818	36.95	-.000							1.0
MORF	HE	35	355	IAML		1818	37.90			16	0.2				

**January 9 2019 Hour: 18:39 56.8 Lat: 36.49N Lon: 9.89W Depth: 29F 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	143	50	EP		1840	17.470	.040							1.0
MORF	HN	143	50	ES		1840	32.36	-.130							1.0
MORF	HN	143	50	IAML		1840	33.61			7	0.1				
MESJ	HZ	211	44	EP		1840	25.880	.010							1.0
MESJ	HE	211	44	ES		1840	47.180	.090							1.0
MESJ	HN	211	44	IAML		1840	47.94			1	0.1				

**January 9 2019 Hour: 18:49 55.0 Lat: 36.97N Lon: 8.56W Depth: 20F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.2 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	38	348	EP		1850	2.000	.210							1.0
MORF	HN	38	348	ES		1850	6.70	-.050							1.0
MORF	HE	38	348	IAML		1850	8.29			127	0.1				
MESJ	HZ	101	17	EP		1850	10.58	-.400							1.0
MESJ	HE	101	17	ES		1850	22.870	.230							1.0
MESJ	HE	101	17	IAML		1850	24.43			3	0.1				

**January 9 2019 Hour: 20:41 34.2 Lat: 37.74N Lon: 4.64W Depth: 1 Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	316	273	EP		2042	18.750	.070							1.0
MESJ	HE	316	273	ES		2042	51.09	-.070							1.0
MESJ	HN	316	273	IAML		2042	52.84			1	0.1				

January 10 2019 Hour: 1:3 24.2 Lat: 37.30N Lon: 8.55W Depth: 20F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs
SE MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 9 273 EP 1 3 27.760.010 1.0
 MORF HE 9 273 ES 1 3 30.33-.010 1.0
 MORF HE 9 273 IAML 1 3 30.51 9 0.1

January 10 2019 Hour: 9:51 52.6 Lat: 36.71N Lon: 7.34W Depth: 32F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HN 134 300 ES 952 26.08-.200 1.0
 MORF HN 134 300 IAML 952 27.64 8 0.1
 MESJ HZ 148 328 EP 952 13.780.050 1.0
 MESJ HE 148 328 ES 952 29.290.160 1.0
 MESJ HE 148 328 IAML 952 30.05 3 0.2

January 10 2019 Hour: 17:0 38.2 Lat: 26.91S Lon: 175.49W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.0 secs
SOUTH OF TONGA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF BZ18332 44 EPKpdf 1720 41.82-.020 1.0
 MORF BZ18332 44 IAMS_20 1834 37.72 1340 17.3

January 11 2019 Hour: 4:15 40.6 Lat: 37.31N Lon: 8.54W Depth: 16F 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 10 266 EP 415 43.57-.140 1.0
 MORF HE 10 266 ES 415 46.090.140 1.0
 MORF HN 10 266 IAML 415 47.13 13 0.1

January 11 2019 Hour: 6:47 55.4 Lat: 37.18N Lon: 8.72W Depth: 8F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs
NW LAGOS, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 15 23 EP 647 58.15-.040 1.0
 MORF HN 15 23 ES 648 0.270.040 1.0
 MORF HN 15 23 IAML 648 0.65 15 0.1

January 11 2019 Hour: 9:53 22.7 Lat: 36.47N Lon: 7.03W Depth: 44F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 172 303 EP 953 46.79-.070 1.0
 MORF HN 172 303 ES 954 4.590.070 1.0
 MORF HN 172 303 IAML 954 5.71 44 0.1

January 11 2019 Hour: 12:42 41.0 Lat: 37.96N Lon: 8.26W Depth: 6F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs
NW ALJUSTREL, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 14 165 EP 1242 43.440.010 1.0
 MESJ HN 14 165 ES 1242 45.310.090 1.0
 MESJ HN 14 165 IAML 1242 46.05 75 0.2
 MORF HZ 81 206 EP 1242 54.110.090 1.0
 MORF HN 81 206 ES 1243 3.35-.200 1.0
 MORF HN 81 206 IAML 1243 7.47 29 0.2

January 11 2019 Hour: 18:28 14.7 Lat: 36.34N Lon: 4.77W Depth: 88F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	349	299	EP		1829	0.31	-.100							1.0
MESJ	HN	349	299	ES		1829	33.860	.080							1.0
MESJ	HN	349	299	IAML		1829	35.81			3	0.2				
MORF	HZ	362	288	EP		1829	2.140	.090							1.0
MORF	HN	362	288	ES		1829	36.56	-.060							1.0
MORF	HN	362	288	IAML		1829	39.33			6	0.2				

January 12 2019 Hour: 4:32 4.1 Lat: 39.70N Lon: 75.64E Depth: 33F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.0 secs

SOUTHERN XINJIANG, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7004	298	EP		442	27.790	.000							1.0
MESJ	BZ	7004	298	IAMS_20		513	38.37			1735	11.3				

January 12 2019 Hour: 5:21 53.9 Lat: 37.02N Lon: 5.47W Depth: 6F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	260	291	EP		522	31.120	.030							1.0

January 12 2019 Hour: 5:33 35.5 Lat: 35.96N Lon: 10.32W Depth: 32F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	211	44	EP		534	4.51	-.020							1.0
MORF	HN	211	44	ES		534	25.68	-.000							1.0
MORF	HN	211	44	IAML		534	26.70			46	0.2				
MESJ	HZ	280	41	EP		534	13.110	.010							1.0
MESJ	HE	280	41	ES		534	40.530	.010							1.0
MESJ	HN	280	41	IAML		534	42.38			12	0.1				

January 12 2019 Hour: 20:21 14.1 Lat: 36.79N Lon: 8.59W Depth: 20F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	57	354	EP		2021	23.720	.030							1.0
MORF	HN	57	354	ES		2021	30.63	-.030							1.0
MORF	HN	57	354	IAML		2021	31.59			5	0.2				

January 12 2019 Hour: 20:59 45.8 Lat: 37.03N Lon: 5.42W Depth: 1 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	263	291	EP		21	0	23.880	.130						1.0
MORF	HZ	288	277	EP		21	0	26.77	-.130						1.0

January 13 2019 Hour: 5:40 34.8 Lat: 36.42N Lon: 7.31W Depth: 26F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	155	310	EP		540	56.95	-.190							1.0
MORF	HN	155	310	ES		541	13.35	-.100							1.0
MORF	HN	155	310	IAML		541	14.26			9	0.2				
MESJ	HZ	177	333	EP		541	0.020	.140							1.0
MESJ	HN	177	333	ES		541	18.340	.160							1.0
MESJ	HN	177	333	IAML		541	20.64			3	0.2				

January 13 2019 Hour: 8:29 53.5 Lat: 36.87N Lon: 5.32W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	278	294	EP		830	33.52	-.000							1.0

January 13 2019 Hour: 9:37 25.9 Lat: 36.52N Lon: 7.48W Depth: 20F 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	136	310	EP		937	46.33	-.070							1.0
MORF	HE	136	310	ES		938	1.30	-.040							1.0
MORF	HE	136	310	IAML		938	3.29			22	0.2				
MESJ	HZ	161	336	EP		937	49.54	0.120							1.0
MESJ	HN	161	336	ES		938	6.55	-.000							1.0
MESJ	HN	161	336	IAML		938	8.62			10	0.2				

January 13 2019 Hour: 14:10 16.9 Lat: 37.31N Lon: 8.56W Depth: 12F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	266	EP		1410	19.09	-.190							1.0
MORF	HE	8	266	ES		1410	21.16	0.110							1.0
MORF	HN	8	266	IAML		1410	21.89			258	0.1				
MESJ	HZ	66	27	EP		1410	27.62	0.080							1.0
MESJ	HN	66	27	ES		1410	35.34	0.010							1.0
MESJ	HE	66	27	IAML		1410	36.19			3	0.1				

January 13 2019 Hour: 16:45 54.3 Lat: 61.32N Lon: 150.11W Depth: 47F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

SOUTHERN ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8487	30	EP		1657	38.42	0.030							1.0
MESJ	BZ	8487	30	IAMB		1657	38.90			35	1.4				
MORF	BZ	8531	31	EP		1657	40.70	-.030							1.0
MORF	BZ	8531	31	IAMB		1657	41.77			13	0.7				

January 13 2019 Hour: 22:21 30.2 Lat: 36.62N Lon: 7.49W Depth: 19F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	150	335	EP		2221	52.44	-.040							1.0
MESJ	HN	150	335	ES		2222	8.77	0.040							1.0
MESJ	HE	150	335	IAML		2222	11.03			0.60	0.1				

January 14 2019 Hour: 1:22 39.4 Lat: 36.67N Lon: 9.66W Depth: 19F 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	114	52	EP		122	57.19	-.060							1.0
MORF	HN	114	52	ES		123	10.27	0.010							1.0
MORF	HE	114	52	IAML		123	11.37			4	0.1				
MESJ	HZ	182	44	EP		123	5.58	-.100							1.0
MESJ	HN	182	44	ES		123	25.00	0.160							1.0
MESJ	HE	182	44	IAML		123	27.31			0.90	0.1				

January 14 2019 Hour: 4:2 19.5 Lat: 36.53N Lon: 7.45W Depth: 19F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	137	309	EP		4 2	40.11	-.130							1.0
MORF	HE	137	309	ES		4 2	55.29	-.070							1.0
MORF	HN	137	309	IAML		4 2	56.09			17	0.1				

MESJ HZ	161	335	EP		4	2	43.240.150										1.0
MESJ HN	161	335	ES		4	3	0.360.060										1.0
MESJ HN	161	335	IAML		4	3	1.56			7	0.1						

January 14 2019 Hour: 5:34 49.0 Lat: 37.10N Lon: 8.85W Depth: 24F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

NE VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		29	38	EP			534	54.72-.210							1.0
MORF HN		29	38	ES			534	59.280.060							1.0
MORF HE		29	38	IAML			534	59.97		60	0.2				
MESJ HZ		99	34	EP			535	4.740.160							1.0

January 14 2019 Hour: 6: 3 10.2 Lat: 36.42N Lon: 13.63W Depth: 3F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		455	76	EP			6	4	11.970.160						1.0
MORF HN		455	76	ES			6	4	56.810.030						1.0
MORF HN		455	76	IAML			6	5	1.05		3	0.2			
MESJ HZ		506	70	EP			6	4	17.91-.080						1.0
MESJ HE		506	70	ES			6	5	7.36-.110						1.0
MESJ HE		506	70	IAML			6	5	8.93		0.80	0.2			

January 14 2019 Hour: 7:36 1.8 Lat: 36.80N Lon: 8.53W Depth: 27F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		57	349	EP			736	11.590.080							1.0
MORF HN		57	349	ES			736	18.45-.160							1.0
MORF HN		57	349	IAML			736	19.72		344	0.1				
MESJ HZ		119	13	EP			736	19.550.030							1.0
MESJ HN		119	13	ES			736	32.530.050							1.0
MESJ HN		119	13	IAML			736	37.17		41	0.1				

January 14 2019 Hour: 12:28 42.7 Lat: 35.67N Lon: 9.00W Depth: 29F Agency: IGL Regional
Magnitudes: 1.9ML 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		184	10	EP			1229	8.500.000							1.0
MORF HE		184	10	ES			1229	27.24-.070							1.0
MORF HN		184	10	IAML			1229	28.49		13	0.1				
MESJ HZ		251	16	EP			1229	16.810.070							1.0
MESJ HN		251	16	ES			1229	41.580.010							1.0
MESJ HN		251	16	IAML			1229	43.66		5	0.2				

January 14 2019 Hour: 12:43 48.0 Lat: 37.08N Lon: 5.35W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ HZ		268	289	EP			1244	26.66-.030							1.0
MORF HZ		295	276	EP			1244	29.93-.120							1.0
MORF HE		295	276	ES			1245	0.920.150							1.0
MORF HE		295	276	IAML			1245	10.24		23	0.3				

January 14 2019 Hour: 17:43 19.7 Lat: 36.74N Lon: 7.32W Depth: 21F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		134	298	EP			1743	39.930.060							1.0
MORF HE		134	298	ES			1743	54.660.080							1.0
MORF HE		134	298	IAML			1743	56.15		24	0.2				
MESJ HZ		146	327	EP			1743	41.370.080							1.0
MESJ HE		146	327	ES			1743	56.82-.210							1.0

MESJ HN 146 327 IAML 1743 59.07 8 0.2

**January 14 2019 Hour: 20:13 13.1 Lat: 35.05N Lon: 5.92W Depth: 17F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs
MOROCCO Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	351	316	EP		2014	0.44	-.080							1.0
MORF	HN	351	316	ES		2014	35.330	.170							1.0
MORF	HN	351	316	IAML		2014	37.39		2	0.2					
MESJ	HZ	372	327	EP		2014	3.250	.130							1.0
MESJ	HE	372	327	ES		2014	39.45	-.220							1.0
MESJ	HE	372	327	IAML		2014	42.26		1						

**January 15 2019 Hour: 0:48 17.1 Lat: 37.35N Lon: 8.54W Depth: 10F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.0 secs
NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	243	EP		048	19.640	.040							1.0
MORF	HN	11	243	ES		048	21.37	-.040							1.0
MORF	HE	11	243	IAML		048	22.70		7	0.3					

**January 15 2019 Hour: 11:30 44.5 Lat: 36.73N Lon: 7.33W Depth: 22F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	134	299	EP		1131	4.520	.030							1.0
MORF	HN	134	299	ES		1131	19.06	-.050							1.0
MORF	HE	134	299	IAML		1131	25.18		73	0.2					
MESJ	HZ	146	328	EP		1131	6.190	.190							1.0
MESJ	HN	146	328	ES		1131	21.54	-.180							1.0
MESJ	HN	146	328	IAML		1131	24.59		21	0.2					

**January 15 2019 Hour: 18: 6 36.2 Lat: 13.40S Lon: 166.71E Depth: 47F Agency: IGL Distant
Magnitudes: 6.7Ms IGL Rms: 0.1 secs
VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17198	352	EPP			1830	21.950	.270							1.0
GGNV	BZ17198	352	IAMs_20			1937	18.07		11315	26.3					
MESJ	BZ17279	350	EPKp \bar{d} f			1826	23.45	-.080							1.0
MESJ	BZ17279	350	EPP			1830	25.67	-.100							1.0
MESJ	BZ17279	350	IAMs_20			1944	30.61		13063	34.3					
MORF	BZ17345	351	EPKp \bar{d} f			1826	24.390	.010							1.0
MORF	BZ17345	351	EPP			1830	29.03	-.090							1.0
MORF	BZ17345	351	IAMs_20			1946	26.05		12277	11.5					

**January 15 2019 Hour: 20: 3 20.8 Lat: 5.87N Lon: 126.93E Depth: 70F Agency: IGL Distant
Rms: 0.0 secs**

MINDANAO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13331	320	EPKp \bar{d} f			2022	2.64	-.010							1.0

**January 15 2019 Hour: 20:24 9.7 Lat: 8.91S Lon: 79.04W Depth: 58F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs**

NEAR COAST OF NORTHERN PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8918	50	EP		2036	13.72	-.000							1.0
MORF	BZ	8918	50	IAMB		2036	15.75		26	1.1					
MESJ	BZ	8974	49	EP		2036	16.350	.000							1.0
MESJ	BZ	8974	49	IAMB		2036	18.45		10	1.2					

January 16 2019 Hour: 2:49 34.1 Lat: 36.45N Lon: 9.90W Depth: 32F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	146	49	EP		249	55.020	.040							1.0
MORF	HN	146	49	ES		250	10.270	.010							1.0
MORF	HE	146	49	IAML		250	12.90			76	0.2				
MESJ	HZ	215	44	EP		250	3.490	.030							1.0
MESJ	HN	215	44	ES		250	24.84	-.080							1.0
MESJ	HN	215	44	IAML		250	27.38			15	0.2				

January 16 2019 Hour: 4:12 36.1 Lat: 21.65S Lon: 168.96E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.0 secs

LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18213	352		EPKp _{df}		432	38.750	.050							1.0
MESJ	BZ18213	352		IAMs_20		552	18.21			617	10.6				
MORF	BZ18278	353		EPKp _{df}		432	39.24	-.050							1.0
MORF	BZ18278	353		IAMs_20		550	37.43			680	16.1				

January 16 2019 Hour: 4:39 54.3 Lat: 36.80N Lon: 10.76W Depth: 1 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	HZ	196	73	EP		440	23.940	.010							1.0
MORF	HN	196	73	ES		440	45.55	-.010							1.0
MORF	HN	196	73	IAML		440	46.97			3	0.3				

January 16 2019 Hour: 8:32 58.0 Lat: 43.87S Lon: 16.03W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 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	9010	6	EP		845	12.57	-.020							1.0
MORF	BZ	9010	6	IAMB		845	14.30			36	1.3				
MESJ	BZ	9073	6	EP		845	15.540	.020							1.0
MESJ	BZ	9073	6	IAMB		845	19.01			18	1.3				

January 17 2019 Hour: 0:3 38.7 Lat: 36.68N Lon: 9.67W Depth: 20F 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	114	52	EP		0 3	56.37	-.030							1.0
MORF	HN	114	52	ES		0 4	9.450	.100							1.0
MORF	HN	114	52	IAML		0 4	10.26			34	0.1				
MESJ	HZ	182	45	EP		0 4	4.67	-.130							1.0
MESJ	HE	182	45	ES		0 4	23.940	.050							1.0
MESJ	HN	182	45	IAML		0 4	25.72			9	0.2				

January 17 2019 Hour: 2:53 6.9 Lat: 7.41N Lon: 94.39E Depth: 99F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.0 secs

NICOBAR ISLANDS, INDIA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10613	309		EP		3 6	20.160	.010							1.0
MESJ	BZ10613	309		IAMB		3 6	21.31			24	1.2				

January 17 2019 Hour: 6:44 18.3 Lat: 35.12N Lon: 3.50W Depth: 7F 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	520	307	EP		645	27.35	-.000							1.0

January 17 2019 Hour: 10:56 11.6 Lat: 35.13N Lon: 3.51W Depth: 1 Agency: IGL Regional
Magnitudes: 3.6ML 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	519	307	EP		1057	21.090	.040							1.0
MESJ	HE	519	307	ES		1058	11.69	-.060							1.0
MESJ	HN	519	307	IAML		1058	17.57			74	0.4				
MORF	HZ	522	299	EP		1057	21.48	-.000							1.0
MORF	HN	522	299	ES		1058	12.520	.020							1.0
MORF	HN	522	299	IAML		1058	16.93			121	0.6				

January 17 2019 Hour: 19:42 38.1 Lat: 37.20N Lon: 7.70W Depth: 1 Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NW TAVIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	85	327	EP		1942	51.75	-.010							1.0
MESJ	HN	85	327	ES		1943	1.810	.090							1.0
MESJ	HN	85	327	IAML		1943	5.10			7	0.1				
MORF	HZ	85	278	EP		1942	51.75	-.130							1.0
MORF	HE	85	278	ES		1943	1.990	.060							1.0
MORF	HE	85	278	IAML		1943	5.15			17	0.1				

January 18 2019 Hour: 11:0 18.2 Lat: 36.23N Lon: 8.46W Depth: 8F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	120	352	EP		11 0	37.34	-.020							1.0
MORF	HE	120	352	ES		11 0	51.23	-.120							1.0
MORF	HE	120	352	IAML		11 0	52.74			253	0.1				
MESJ	HZ	180	7	EP		11 0	45.330	.150							1.0
MESJ	HE	180	7	ES		11 1	4.890	.010							1.0
MESJ	HN	180	7	IAML		11 1	6.56			79	0.1				

January 18 2019 Hour: 13:18 32.2 Lat: 19.21S Lon: 168.63E Depth: 45F Agency: IGL Distant
Magnitudes: 6.1Ms IGL Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17942	352	EPKp	f		1338	27.150	.120							1.0
MESJ	BZ17942	352	EPP			1342	54.690	.030							1.0
MESJ	BZ17942	352	IAMs	_20		1450	26.46			2964	22.8				
MORF	BZ18007	353	EPKp	f		1338	27.69	-.010							1.0
MORF	BZ18007	353	EPP			1342	57.67	-.150							1.0
MORF	BZ18007	353	IAMs	_20		1448	53.03			3269	23.4				

January 18 2019 Hour: 20:57 17.1 Lat: 37.33N Lon: 8.51W Depth: 10F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	257	EP		2057	19.65	-.130							1.0
MORF	HE	13	257	ES		2057	21.800	.050							1.0
MORF	HE	13	257	IAML		2057	22.05			118	0.2				
MESJ	HZ	62	24	EP		2057	27.310	.080							1.0

January 18 2019 Hour: 21:27 0.0 Lat: 3.30S Lon: 76.72W Depth: 99F Agency: IGL Distant
Magnitudes: 5.8Mb 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	8323	50	EP		2138	29.48	-.110							1.0
MORF	BZ	8323	50	IAMB		2138	33.03			482	1.5				
MORF	BE	8323	50	ES		2147	58.870	.020							1.0
GGNV	BZ	8326	49	EP		2138	29.750	.080							1.0
GGNV	BZ	8326	49	IAMB		2138	32.88			189	1.4				
MESJ	BZ	8376	50	EP		2138	32.400	.110							1.0

MESJ BZ 8376 50 IAMB 2138 34.56 123 1.7
 MESJ BE 8376 50 ES 2148 3.98-.090 1.0

January 19 2019 Hour: 10:33.7 Lat: 36.31N Lon: 9.85W Depth: 17F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	223	40	EP		10 4	8.18-	.010							1.0
MESJ	HN	223	40	ES		10 4	31.220	.010							1.0
MESJ	HE	223	40	IAML		10 4	31.91		1.00	0.1					

January 19 2019 Hour: 18:44.6 Lat: 35.47N Lon: 3.86W Depth: 6F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	470	305	EP		1845	53.57-	.120							1.0
MESJ	HE	470	305	ES		1846	39.71-	.030							1.0
MESJ	HN	470	305	IAML		1846	42.63		25	0.4					
MORF	HZ	476	297	EP		1845	54.39-	.010							1.0
MORF	HN	476	297	ES		1846	41.130	.160							1.0
MORF	HN	476	297	IAML		1846	46.07		36	0.4					

January 20 2019 Hour: 1:32.7 Lat: 30.07S Lon: 71.42W Depth: 53F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.0 secs

NEAR THE COAST OF COQUIMBO, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9912	45	EP		145	40.28-	.050							1.0
MORF	BE	9912	45	ESKsac		156	4.93-	.050							1.0
MORF	BZ	9912	45	IAMs_20		221	28.64		17144	24.6					
MESJ	BN	9979	45	ESKsac		156	8.530	.060							1.0
MESJ	BZ	9979	45	IAMs_20		221	54.71		16165	23.7					
GGNV	BZ	9979	44	EP		145	43.070	.060							1.0
GGNV	BZ	9979	44	IAMs_20		221	22.68		22979	27.0					
MESJ	BZ	9979	45	EP		145	43.110	.020							1.0
GGNV	BN	9979	44	ESKsac		156	8.33-	.050							1.0

January 20 2019 Hour: 22:34.4 Lat: 37.36N Lon: 8.81W Depth: 3F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

N ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	114	EP		2234	23.82-	.130							1.0
MORF	HE	15	114	ES		2234	25.830	.040							1.0
MORF	HE	15	114	IAML		2234	27.46		271	0.1					
MESJ	HZ	75	44	EP		2234	33.41-	.040							1.0
MESJ	HN	75	44	ES		2234	42.360	.140							1.0
MESJ	HN	75	44	IAML		2234	42.94		24	0.2					

January 21 2019 Hour: 1:42.1 Lat: 32.78N Lon: 4.06W Depth: 58F Agency: IGL Regional
Magnitudes: 1.7ML 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	677	327	EP		1 5	46.070	.010							1.0

January 21 2019 Hour: 11:38.6 Lat: 36.88N Lon: 8.66W Depth: 0 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	47	1	EP		1138	48.230	.060							1.0
MORF	HE	47	1	ES		1138	53.61-	.100							1.0
MORF	HN	47	1	IAML		1138	55.19		20	0.2					
MESJ	HE	113	20	ES		1139	12.260	.050							1.0
MESJ	HN	113	20	IAML		1139	14.76		3	0.1					

January 21 2019 Hour: 19:55 20.1 Lat: 35.32N Lon: 6.24W 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	309	316	EP		1956	1.330	.100							1.0
MORF	HN	309	316	ES		1956	31.17	-.100							1.0
MORF	HN	309	316	IAML		1956	33.56			6	0.3				
MESJ	HZ	331	328	EP		1956	4.000	.060							1.0
MESJ	HE	331	328	ES		1956	35.89	-.070							1.0
MESJ	HN	331	328	IAML		1956	39.13			2	0.2				

January 21 2019 Hour: 23:59 23.2 Lat: 10.41S Lon: 119.13E Depth: 31F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.0 secs

SUMBA REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13981	309		EPP		2420	13.00	-.010							1.0
MESJ	BZ13981	309		IAMs_20		2518	26.73			4276	27.5				
MORF	BZ14034	309		EPP		2420	16.250	.010							1.0
MORF	BE14034	309		IAMs_20		2518	53.79			3522	26.1				

January 22 2019 Hour: 5:10 4.2 Lat: 10.47S Lon: 119.03E Depth: 27F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

SUMBA REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13976	309		EPKPdf		529	2.67	-.030							1.0
MESJ	BZ13976	309		EPP		530	54.500	.160							1.0
MESJ	BZ13976	309		IAMs_20		629	15.15			12204	13.6				
GGNV	BZ14027	311		EPP		530	57.20	-.130							1.0
GGNV	BZ14027	311		IAMs_20		631	42.31			9720	23.9				
MORF	BZ14029	309		EPKPdf		529	3.66	-.000							1.0
MORF	BZ14029	309		EPP		530	57.570	.010							1.0
MORF	BZ14029	309		IAMs_20		628	20.12			10899	26.1				

January 22 2019 Hour: 9:56 48.3 Lat: 35.96N Lon: 10.50W Depth: 26F 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	223	47	EP		957	19.200	.110							1.0
MORF	HN	223	47	ES		957	41.53	-.020							1.0
MORF	HN	223	47	IAML		957	42.69			14	0.1				
MESJ	HZ	291	44	EP		957	27.44	-.140							1.0
MESJ	HE	291	44	ES		957	56.270	.040							1.0
MESJ	HN	291	44	IAML		957	58.99			3	0.2				

January 22 2019 Hour: 12:2 25.6 Lat: 37.35N Lon: 8.54W Depth: 12F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	243	EP		12	2	28.21	-.140						1.0
MORF	HE	11	243	ES		12	2	30.29	-.040						1.0
MORF	HN	11	243	IAML		12	2	30.84			84	0.1			
MESJ	HZ	61	27	EP		12	2	35.790	.200						1.0

January 22 2019 Hour: 15:58 57.6 Lat: 36.81N Lon: 9.67W Depth: 21F 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	106	58	EP		1559	14.230	.000							1.0
MORF	HE	106	58	ES		1559	26.410	.050							1.0
MORF	HN	106	58	IAML		1559	27.28			143	0.3				
MESJ	HZ	172	48	EP		1559	22.26	-.160							1.0
MESJ	HN	172	48	ES		1559	40.640	.110							1.0
MESJ	HN	172	48	IAML		1559	42.70			16	0.1				

January 22 2019 Hour: 19:144.0 Lat: 43.08S Lon: 42.23E Depth: 10F Agency: IGL Distant
Magnitudes: 6.9Ms 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	BZ10271	322	EP			1914	54.550	.080							1.0
MORF	BZ10271	322	EPP			1918	35.40-	.160							1.0
MORF	BN10271	322	ESS			1932	11.220	.180							1.0
MORF	BZ10271	322	IAMs_20			1958	40.32		35382	20.6					
MESJ	BZ10298	322	EP			1914	55.42-	.100							1.0
MESJ	BZ10298	322	EPP			1918	37.35-	.080							1.0
MESJ	BN10298	322	ESS			1932	14.540	.070							1.0
MESJ	BZ10298	322	IAMs_20			1958	13.88		37534	17.7					
GGNV	BZ10424	322	EP			1915	0.61-	.080							1.0
GGNV	BZ10424	322	EPP			1918	46.25-	.070							1.0
GGNV	BN10424	322	ESS			1932	30.850	.160							1.0
GGNV	BZ10424	322	IAMs_20			20 5	16.14		34935	13.5					

January 23 2019 Hour: 4:17 12.7 Lat: 36.67N Lon: 11.46W Depth: 31F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	260	73	EP		417	46.87-	.090							1.0
MORF	HE	260	73	ES		418	11.95-	.050							1.0
MORF	HN	260	73	IAML		418	14.50		87	0.2					
MESJ	HZ	315	65	EP		417	53.83-	.020							1.0
MESJ	HE	315	65	ES		418	24.070	.160							1.0
MESJ	HN	315	65	IAML		418	28.19		15	0.2					

January 23 2019 Hour: 22:52 3.9 Lat: 36.25N Lon: 8.54W Depth: 3F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	355	EP		2252	22.81-	.040							1.0
MORF	HE	117	355	ES		2252	36.790	.100							1.0
MORF	HE	117	355	IAML		2252	38.65		101	0.3					
MESJ	HZ	179	9	EP		2252	31.14-	.120							1.0
MESJ	HE	179	9	ES		2252	51.290	.060							1.0
MESJ	HN	179	9	IAML		2252	58.98		28	0.1					

January 24 2019 Hour: 8:17 5.1 Lat: 38.53N Lon: 8.04W Depth: 6F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

SW EVORA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	78	192	EP		817	17.72-	.000							1.0
MESJ	HN	78	192	ES		817	26.970	.000							1.0
MESJ	HN	78	192	IAML		817	28.20		4	0.2					

January 24 2019 Hour: 14:30 54.3 Lat: 35.95N Lon: 28.18E Depth: 68F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

EASTERN MEDITERRANEAN SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3231	285	EP		1436	48.140	.010							1.0
MESJ	BZ	3231	285	IAMB		1436	49.57		52	0.9					

January 24 2019 Hour: 23:12 30.8 Lat: 36.43N Lon: 9.62W Depth: 17F Agency: IGL Regional
Magnitudes: 2.6ML 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	130	41	EP		2312	50.840	.050							1.0
MORF	HN	130	41	ES		2313	5.28-	.080							1.0
MORF	HE	130	41	IAML		2313	8.49		186	0.2					
MESJ	HZ	200	38	EP		2312	59.480	.020							1.0
MESJ	HN	200	38	ES		2313	20.380	.020							1.0

MESJ HN 200 38 IAML 2313 21.87 20 0.2

**January 25 2019 Hour: 3: 1 9.8 Lat: 36.88N Lon: 8.76W Depth: 27F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	48	11	EP		3	1	18.29-.050							1.0
MORF	HE	48	11	ES		3	1	24.680.110							1.0
MORF	HE	48	11	IAML		3	1	25.27		19	0.1				
MESJ	HZ	117	24	EP		3	1	27.14-.190							1.0
MESJ	HN	117	24	ES		3	1	40.250.130							1.0
MESJ	HN	117	24	IAML		3	1	41.59		2	0.2				

**January 25 2019 Hour: 3:18 1.3 Lat: 36.99N Lon: 13.27W Depth: 1 Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	411	84	EP		318	57.840.110								1.0
MORF	HE	411	84	ES		319	38.72-.200								1.0
MORF	HN	411	84	IAML		319	43.96			14	0.2				
MESJ	HZ	456	77	EP		319	3.290.060								1.0
MESJ	HE	456	77	ES		319	48.470.040								1.0
MESJ	HN	456	77	IAML		319	51.87			3	0.2				

**January 25 2019 Hour: 4:28 15.8 Lat: 36.15N Lon: 9.60W Depth: 31F Agency: IGL Regional
Magnitudes: 3.0ML 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	154	33	EP		428	36.73-.170								1.0
MORF	HN	154	33	ES		428	52.32-.000								1.0
MORF	HE	154	33	IAML		428	55.37			213	0.3				
MESJ	HZ	224	33	EP		428	45.55-.100								1.0
MESJ	HN	224	33	ES		429	7.470.030								1.0
MESJ	HE	224	33	IAML		429	9.42			29	0.2				
GGNV	HN	288	8	ES		429	21.330.270								0.9
GGNV	HE	288	8	IAML		429	23.78			244	0.4				

**January 25 2019 Hour: 4:45 22.3 Lat: 14.53S Lon: 75.39W Depth: 58F Agency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.1 secs**

NEAR COAST OF CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9027	48	EP		457	31.57-.060								1.0
MORF	BZ	9027	48	IAMB		457	34.04			239	1.1				
GGNV	BZ	9057	46	EP		457	33.030.080								1.0
GGNV	BZ	9057	46	IAMB		457	35.57			616	2.1				
MESJ	BZ	9087	48	EP		457	34.42-.010								1.0
MESJ	BZ	9087	48	IAMB		457	36.17			138	1.3				

**January 25 2019 Hour: 8:39 23.4 Lat: 36.54N Lon: 7.32W Depth: 17F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	146	306	EP		839	45.31-.080								1.0
MORF	HN	146	306	ES		840	1.42-.000								1.0
MORF	HE	146	306	IAML		840	2.60			7	0.1				
MESJ	HZ	165	331	EP		839	47.800.090								1.0

**January 25 2019 Hour: 13: 6 49.8 Lat: 37.36N Lon: 8.54W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs**

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	12	238	EP		13	6	52.60-.050							1.0
MORF	HN	12	238	ES		13	6	54.830.070							1.0
MORF	HN	12	238	IAML		13	6	55.50		50	0.1				

MESJ HZ	60	28	EP	13	6	59.750.170											1.0
MESJ HN	60	28	ES	13	7	6.56-.190											1.0
MESJ HN	60	28	IAML	13	7	8.47			3	0.2							

January 25 2019 Hour: 13:39 9.2 Lat: 35.77N Lon: 9.98W Depth: 30F 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	208	35	EP		1339	37.83-	.010							1.0
MORF	HE	208	35	ES		1339	58.54-	.200							1.0
MORF	HE	208	35	IAML		1340	0.61		15	0.2					
MESJ	HZ	278	34	EP		1339	46.600.	.030							1.0
MESJ	HE	278	34	ES		1340	14.060.	.200							1.0
MESJ	HE	278	34	IAML		1340	17.07		2	0.1					

January 25 2019 Hour: 15:14 12.9 Lat: 37.39N Lon: 15.95W Depth: 21F 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	647	89	EP		1515	35.970.	.010							1.0
MORF	HN	647	89	ES		1516	36.49-	.110							1.0
MORF	HE	647	89	IAML		1516	37.53		5	0.1					
MESJ	HE	684	83	ES		1516	44.530.	.110							1.0
MESJ	HN	684	83	IAML		1516	46.23		4	0.3					

January 26 2019 Hour: 2: 7 23.0 Lat: 10.87S Lon: 165.95E Depth: 52F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs

SANTA CRUZ ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ16990	350	EPK	Pdf		227	6.040.	.040							1.0
MESJ	BZ16990	350	EPK	Pab		227	24.56-	.100							1.0
MESJ	BZ16990	350	EPP			230	57.27-	.060							1.0
MESJ	BZ16990	350	IAMs	_20		329	43.61		974	31.1					
MORF	BZ17056	350	EPK	Pdf		227	7.060.	.140							1.0
MORF	BZ17056	350	IAMs	_20		339	34.57		1066	16.0					

January 26 2019 Hour: 3:51 38.4 Lat: 7.02S Lon: 156.29E Depth: 358F Agency: IGL Distant
Magnitudes: 5.6Ms 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
GGNV	BZ16231	340	EPK	Pdf		410	34.11-	.030							1.0
MESJ	BZ16280	338	EPK	Pdf		410	34.910.	.000							1.0
MORF	BZ16351	338	EPK	Pdf		410	36.040.	.030							1.0

January 26 2019 Hour: 8:12 49.0 Lat: 5.49S Lon: 133.76E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.1 secs

KEPULAUAN KAI, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14779	318	EPK	Pdf		832	3.74-	.080							1.0
MESJ	BZ14779	318	EPP			834	28.880.	.080							1.0
MESJ	BN14779	318	ESS			852	11.430.	.030							1.0
MESJ	BZ14779	318	IAMs	_20		932	21.44		1242	21.6					
MORF	BZ14843	318	EPK	Pdf		832	4.90-	.060							1.0
MORF	BZ14843	318	EPP			834	32.610.	.040							1.0
MORF	BZ14843	318	IAMs	_20		938	6.91		1177	26.3					

January 26 2019 Hour: 12:32 27.1 Lat: 2.99N Lon: 75.77W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Ms IGL Rms: 0.1 secs

COLOMBIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7800	51	EP		1243	39.700.	.060							1.0
MORF	BZ	7800	51	IAMs	_20	1315	32.65		891	16.7					
MESJ	BZ	7849	51	EP		1243	42.350.	.030							1.0
MESJ	BN	7849	51	ES		1252	56.46-	.090							1.0

MESJ BZ 7849 51 IAMs_20 1314 28.81 1096 25.7

January 26 2019 Hour: 19:56 42.4 Lat: 21.14S Lon: 178.86W Depth:579F Agency: IGL Distant Rms: 0.1 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17845	25	EP	KPdf		2015	35.53	-.050							1.0
GGNV	BZ17845	25	EP	KPab		2016	21.100	.150							1.0
MESJ	BZ17969	24	EP	KPdf		2015	36.63	-.180							0.9
MESJ	BZ17969	24	EP	KPab		2016	25.980	.060							1.0
MORF	BZ18002	26	EP	KPdf		2015	37.09	-.080							1.0
MORF	BZ18002	26	EP	KPab		2016	27.370	.090							1.0

January 26 2019 Hour: 20:13 33.5 Lat: 36.51N Lon: 9.82W Depth:14F Agency: IGL Regional Magnitudes: 1.8ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	136	49	EP		20 1	54.600	.020							1.0
MORF	HN	136	49	ES		20 2	9.970	.040							1.0
MORF	HN	136	49	IAML		20 2	11.17			16	0.1				
MESJ	HZ	205	43	EP		20 2	2.98	-.070							1.0

January 26 2019 Hour: 20:43 38.0 Lat: 21.16S Lon: 178.99W Depth:586F Agency: IGL Distant Rms: 0.1 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17977	24	EP	KPdf		2023	31.930	.160							1.0
MESJ	BZ17977	24	EP	KPab		2024	21.01	-.160							1.0

January 27 2019 Hour: 1:50 29.4 Lat: 37.17N Lon: 8.57W Depth:20F Agency: IGL Regional Magnitudes: 0.2ML 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	17	334	EP		150	33.37	-.170							1.0
MORF	HE	17	334	ES		150	36.58	-.000							1.0
MORF	HE	17	334	IAML		150	37.21			4	0.2				
MESJ	HE	81	23	ES		150	52.010	.190							1.0
MESJ	HE	81	23	IAML		150	53.46			1.00	0.1				

January 27 2019 Hour: 2:25 43.2 Lat: 36.46N Lon: 11.25W Depth:45F Agency: IGL Regional Magnitudes: 3.4ML 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	250	67	EP		226	17.080	.000							1.0
MORF	HN	250	67	ES		226	41.68	-.100							1.0
MORF	HN	250	67	IAML		226	43.37			380	0.2				
MESJ	HZ	310	59	EP		226	24.380	.080							1.0
MESJ	HE	310	59	ES		226	54.21	-.070							1.0
MESJ	HN	310	59	IAML		226	58.30			65	0.1				
GGNV	HE	312	36	ES		226	54.770	.100							1.0
GGNV	HN	312	36	IAML		227	0.81			177	0.4				

January 29 2019 Hour: 15:46 30.9 Lat: 35.17N Lon: 4.02W Depth:7F Agency: IGL Regional Magnitudes: 3.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	479	301	EP		1547	34.90	-.110							1.0
MORF	HN	479	301	IAML		1548	27.30			168	0.3				
MESJ	HZ	479	309	EP		1547	35.030	.080							1.0
MESJ	HE	479	309	ES		1548	21.770	.050							1.0
MESJ	HN	479	309	IAML		1548	27.33			103	0.5				
MORF	HN	479	301	ES		1548	21.81	-.020							1.0

January 29 2019 Hour: 17:59 5.9 Lat: 35.14N Lon: 3.52W Depth: 0 Agency: IGL Regional
Magnitudes: 2.9ML 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	517	307	EP		18 0	15.31	-.020							1.0
MESJ	HN	517	307	ES		18 1	6.070	.070							1.0
MESJ	HN	517	307	IAML		18 1	11.56			23	0.3				
MORF	HZ	520	299	EP		18 0	15.73	-.050							1.0

January 30 2019 Hour: 6:12 28.9 Lat: 37.18N Lon: 9.06W Depth: 27F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NW VILA DO BISPO, PORTUGAL

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	39	69	EP		612	36.310	.130							1.0
MORF	HE	39	69	ES		612	41.52	-.000							1.0
MORF	HE	39	69	IAML		612	43.76			23	0.1				
MESJ	HZ	104	45	EP		612	44.60	-.230							1.0
MESJ	HE	104	45	ES		612	56.570	.090							1.0
MESJ	HE	104	45	IAML		612	57.69			1	0.1				

January 30 2019 Hour: 7:44 43.7 Lat: 25.93S Lon: 70.73W Depth: 39F Agency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.0 secs

OFFSHORE ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9541	45	EP		757	18.86	-.050							1.0
MORF	BZ	9541	45	IAMB		757	20.20			232	1.7				
MESJ	BZ	9608	45	EP		757	21.830	.050							1.0
MESJ	BZ	9608	45	IAMB		757	23.77			81	1.2				

January 30 2019 Hour: 8: 8 29.5 Lat: 38.55N Lon: 8.01W Depth: 6F Agency: IGL Regional
Magnitudes: 1.2ML 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
MESJ	HZ	81	193	EP		8 8	42.780	.140							1.0
MESJ	HE	81	193	ES		8 8	52.19	-.010							1.0
MESJ	HE	81	193	IAML		8 8	54.13			5	0.1				
MORF	HN	149	202	ES		8 9	9.93	-.140							1.0
MORF	HE	149	202	IAML		8 9	10.79			5	0.2				

January 30 2019 Hour: 20: 4 16.4 Lat: 36.77N Lon: 7.98W Depth: 28F 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	84	315	EP		20 4	29.68	-.140							1.0
MORF	HN	84	315	ES		20 4	39.56	-.070							1.0
MORF	HN	84	315	IAML		20 4	40.54			5	0.1				
MESJ	HZ	121	350	EP		20 4	34.540	.240							1.0
MESJ	HE	121	350	ES		20 4	47.35	-.030							1.0
MESJ	HN	121	350	IAML		20 4	49.15			8	0.1				

January 31 2019 Hour: 0:51 20.5 Lat: 37.41N Lon: 9.09W Depth: 29F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	41	107	EP		051	28.230	.050							1.0
MORF	HE	41	107	ES		051	33.800	.010							1.0
MORF	HN	41	107	IAML		051	35.19			39	0.1				
MESJ	HZ	90	58	EP		051	34.48	-.140							1.0
MESJ	HE	90	58	ES		051	44.990	.080							1.0
MESJ	HN	90	58	IAML		051	47.54			2	0.1				

January 31 2019 Hour: 12:24 46.7 Lat: 37.23N Lon: 8.52W Depth: 18F Agency: IGL Regional
Magnitudes: 3.5ML IGL Rms: 0.1 secs

NW SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	305	EP		1224	50.13	-.250							1.0
MORF	HN	14	305	ES		1224	53.170	.080							1.0
MORF	HE	14	305	IAML		1224	53.61		12749	0.2					
MESJ	HZ	73	21	EP		1224	58.560	.140							1.0
MESJ	HE	73	21	ES		1225	7.040	.040							1.0
MESJ	HN	73	21	IAML		1225	8.11		1263	0.1					

January 31 2019 Hour: 12:36 18.3 Lat: 37.22N Lon: 8.53W Depth: 18F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NW SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	311	EP		1236	21.83	-.130							1.0
MORF	HN	14	311	ES		1236	24.810	.140							1.0
MORF	HN	14	311	IAML		1236	25.10		81	0.2					
MESJ	HZ	74	22	EP		1236	30.380	.170							1.0
MESJ	HE	74	22	ES		1236	38.77	-.170							1.0
MESJ	HE	74	22	IAML		1236	40.87		8	0.1					

January 31 2019 Hour: 19:52 45.0 Lat: 36.34N Lon: 7.77W Depth: 6F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	133	324	EP		1953	6.220	.050							1.0
MORF	HE	133	324	ES		1953	21.720	.110							1.0
MORF	HN	133	324	IAML		1953	25.33		112	0.2					
MESJ	HZ	171	347	EP		1953	10.95	-.170							1.0

February 1 2019 Hour: 3: 1 23.5 Lat: 37.21N Lon: 8.53W Depth: 19F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NW SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	314	EP		3 1	27.21	-.180							1.0
MORF	HE	15	314	ES		3 1	30.320	.090							1.0
MORF	HE	15	314	IAML		3 1	30.71		93	0.1					
MESJ	HZ	75	21	EP		3 1	35.760	.140							1.0
MESJ	HE	75	21	ES		3 1	44.44	-.040							1.0
MESJ	HN	75	21	IAML		3 1	46.02		9	0.2					

February 1 2019 Hour: 6: 9 23.6 Lat: 36.59N Lon: 7.61W Depth: 21F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	122	311	EP		6 9	42.21	-.040							1.0
MESJ	HZ	149	339	EP		6 9	45.660	.120							1.0
MESJ	HN	149	339	ES		610	1.49	-.070							1.0
MESJ	HN	149	339	IAML		610	3.09		13	0.1					

February 1 2019 Hour: 16:14 9.9 Lat: 14.76N Lon: 92.30W Depth: 68F Agency: IGL Distant
Magnitudes: 6.6Ms IGL Rms: 0.1 secs

CHIAPAS, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8419	53	EP		1625	47.980	.060							1.0
GGNV	BE	8419	53	ES		1635	24.35	-.100							1.0
GGNV	BZ	8419	53	IAMs_20		1650	31.26		38061	22.8					
MORF	BZ	8483	55	EP		1625	51.370	.050							1.0
MORF	BE	8483	55	ES		1635	31.040	.060							1.0
MORF	BE	8483	55	IAMs_20		1650	39.60		42213	31.2					
MESJ	BZ	8513	54	EP		1625	52.71	-.050							1.0
MESJ	BE	8513	54	ES		1635	33.75	-.030							1.0

MESJ BZ 8513 54 IAMs_20 1650 39.29 38362 34.7

**February 2 2019 Hour: 12:43.0 Lat: 36.49N Lon: 70.70E Depth:211F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.1 secs**

HINDU KUSH REGION, AFGHANISTAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6786	297	EP		1214	25.42	-.020							1.0
MESJ	BZ	6786	297	IAMB		1214	26.96			242	0.9				
GGNV	BZ	6818	299	EP		1214	27.400	.080							1.0
GGNV	BZ	6818	299	IAMB		1214	28.76			291	0.9				
MORF	BZ	6846	297	EP		1214	29.06	-.070							1.0
MORF	BZ	6846	297	IAMB		1214	30.03			508	2.1				

**February 2 2019 Hour: 21:36 8.0 Lat: 37.18N Lon: 3.98W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	382	282	EP		2137	0.930	.010							1.0

**February 3 2019 Hour: 1:26 19.3 Lat: 36.68N Lon: 9.67W Depth: 18F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	114	52	EP		126	37.320	.080							1.0
MORF	HE	114	52	ES		126	50.24	-.070							1.0
MORF	HN	114	52	IAML		126	50.97			9	0.1				
MESJ	HZ	182	45	EP		126	45.660	.020							1.0
MESJ	HN	182	45	ES		127	4.81	-.040							1.0
MESJ	HN	182	45	IAML		127	6.63			3	0.1				

**February 3 2019 Hour: 5:58 6.4 Lat: 36.85N Lon: 8.52W Depth: 17F 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	52	347	EP		558	15.050	.040							1.0
MORF	HE	52	347	ES		558	21.29	-.020							1.0
MORF	HN	52	347	IAML		558	22.79			8	0.1				
MESJ	HN	113	14	ES		558	37.19	-.020							1.0
MESJ	HN	113	14	IAML		558	38.31			2	0.1				

**February 3 2019 Hour: 17:45.3 Lat: 35.71N Lon: 4.74W Depth: 62F 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	391	308	EP		17 5	48.120	.030							1.0
MORF	HZ	393	298	EP		17 5	48.38	-.030							1.0

**February 3 2019 Hour: 18:41 16.3 Lat: 37.30N Lon: 8.56W Depth: 15F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs**

SW MONCHIQUÉ, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	273	EP		1841	18.96	-.120							1.0
MORF	HN	8	273	ES		1841	21.05	-.080							1.0
MORF	HE	8	273	IAML		1841	22.92			6	0.1				
MESJ	HZ	67	27	EP		1841	27.140	.020							1.0
MESJ	HN	67	27	ES		1841	35.230	.190							1.0
MESJ	HE	67	27	IAML		1841	36.95			2	0.0				

February 3 2019 Hour: 19:47 43.0 Lat: 36.13N Lon: 8.04W Depth: 31F 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	141	337	EP		1948	2.41	-.160							1.0
MESJ	HZ	190	355	EP		1948	8.700	.070							1.0
MESJ	HN	190	355	ES		1948	27.460	.090							1.0
MESJ	HN	190	355	IAML		1948	28.98			6	0.2				

February 3 2019 Hour: 23:15 55.3 Lat: 36.99N Lon: 13.55W Depth: 31F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	437	84	EP		2316	51.480	.130							1.0
MESJ	HZ	481	77	EP		2316	56.68	-.050							1.0
MESJ	HE	481	77	ES		2317	41.50	-.090							1.0
MESJ	HE	481	77	IAML		2317	44.01			3	0.2				

February 4 2019 Hour: 6:37 47.3 Lat: 36.58N Lon: 7.57W Depth: 19F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	126	310	EP		638	6.43	-.130							1.0
MESJ	HZ	151	338	EP		638	9.800	.080							1.0
MESJ	HN	151	338	ES		638	26.130	.050							1.0
MESJ	HN	151	338	IAML		638	27.64			3	0.2				

February 4 2019 Hour: 10:12 41.2 Lat: 36.52N Lon: 7.46W Depth: 18F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	137	310	EP		1013	1.88	-.090							1.0
MESJ	HE	161	335	ES		1013	22.320	.090							1.0
MESJ	HN	161	335	IAML		1013	23.69			3	0.1				

February 4 2019 Hour: 14:33 50.1 Lat: 18.11N Lon: 68.50W Depth: 68F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

MONA PASSAGE, DOMINICAN REPUBLIC Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	6169	57	EP		1443	17.680	.030							1.0
MORF	BZ	6169	57	IAMB		1443	18.66			23	1.1				
MESJ	BZ	6210	56	EP		1443	20.22	-.030							1.0
MESJ	BZ	6210	56	IAMB		1443	20.82			28	0.8				

February 4 2019 Hour: 17:45 47.0 Lat: 2.45S Lon: 79.86W Depth: 70F Agency: IGL Distant
Magnitudes: 5.1Mb 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	8532	51	EpP		1757	49.21	-.010							1.0
MORF	BE	8532	51	ES		18 7	12.380	.080							1.0
MESJ	BZ	8583	50	EP		1757	33.180	.070							1.0
MESJ	BZ	8583	50	IAMB		1757	36.46			42	1.8				
MESJ	BZ	8583	50	EpP		1757	51.66	-.110							1.0
MESJ	BE	8583	50	ES		18 7	17.17	-.030							1.0

February 4 2019 Hour: 20:0 51.0 Lat: 37.31N Lon: 8.60W Depth: 14F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	262	EP		20 0	53.30	-.120							1.0
MORF	HE	5	262	ES		20 0	55.18	-.020							1.0
MORF	HN	5	262	IAML		20 0	55.72			23	0.2				
MESJ	HZ	68	30	EP		20 1	2.100	.190							1.0

MESJ HN 68 30 ES 20 1 9.86-.040 1.0
 MESJ HN 68 30 IAML 20 1 10.44 1 0.1

February 5 2019 Hour: 0:56 58.2 Lat: 33.26N Lon: 12.50W Depth: 40F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	569	37	EP		058	10.71	-.150							1.0
MORF	HN	569	37	ES		059	4.050	.150							1.0
MORF	HN	569	37	IAML		059	6.34			2	0.1				

February 5 2019 Hour: 2:26 9.3 Lat: 39.02N Lon: 20.56E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb 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	2506	276	EP		231	9.37	-.040							1.0
MESJ	BZ	2506	276	IAMB		231	23.17			287	1.6				
MORF	BZ	2556	275	EP		231	14.16	-.090							1.0
MORF	BZ	2556	275	IAMB		231	19.59			27	1.0				
GGNV	BZ	2567	279	EP		231	15.330	.130							1.0
GGNV	BZ	2567	279	IAMB		231	28.36			397	1.8				

February 5 2019 Hour: 16:47 7.4 Lat: 35.07N Lon: 74.17E Depth: 33F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.0 secs

NORTHWESTERN KASHMIR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	7138	299	EP		1657	38.970	.050							1.0
MESJ	BZ	7138	299	IAMB		1657	40.47			89	1.0				
GGNV	BZ	7169	301	EP		1657	40.740	.010							1.0
GGNV	BZ	7169	301	IAMB		1657	42.11			98	0.9				
MORF	BZ	7198	299	EP		1657	42.47	-.060							1.0
MORF	BZ	7198	299	IAMB		1657	48.42			98	1.6				

February 5 2019 Hour: 19:31 36.2 Lat: 40.91N Lon: 48.63E Depth: 10F Agency: IGL Distant
Magnitudes: 4.5Ms IGL Rms: 0.0 secs

AZERBAIJAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4824	285	EP		1939	38.87	-.010							1.0
MESJ	BZ	4824	285	IAMS_20	20	0	32.04			624	26.5				
MORF	BZ	4882	285	EP		1939	43.170	.010							1.0
MORF	BZ	4882	285	IAMS_20	20	2	35.35			662	19.4				

February 5 2019 Hour: 22:41 25.7 Lat: 35.88N Lon: 4.63W Depth: 77F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	387	305	EP		2242	16.020	.090							1.0
MESJ	HN	387	305	ES		2242	52.650	.050							1.0
MESJ	HN	387	305	IAML		2242	55.01			42	0.2				
MORF	HZ	393	295	EP		2242	16.62	-.070							1.0
MORF	HE	393	295	ES		2242	53.83	-.070							1.0
MORF	HN	393	295	IAML		2242	57.03			38	0.3				

February 6 2019 Hour: 17:55 19.6 Lat: 36.78N Lon: 8.29W Depth: 24F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	67	331	EP		1755	30.53	-.040							1.0
MORF	HE	67	331	ES		1755	38.740	.150							1.0
MORF	HE	67	331	IAML		1755	40.72			68	0.2				
MESJ	HZ	118	3	EP		1755	37.29	-.140							1.0
MESJ	HN	118	3	ES		1755	50.480	.030							1.0
MESJ	HN	118	3	IAML		1755	56.04			10	0.2				

February 6 2019 Hour: 17:56 49.2 Lat: 36.77N Lon: 8.29W Depth: 27F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	68	332	EP		1757	0.34	-.040							1.0
MORF	HN	68	332	ES		1757	8.580	.040							1.0
MORF	HN	68	332	IAML		1757	10.03			3	0.1				

February 6 2019 Hour: 17:56 49.6 Lat: 19.93S Lon: 71.10W Depth: 11F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

OFF COAST OF TARAPACA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9167	45	EP		18 9	11.77	-.010							1.0
MESJ	BZ	9167	45	IAMB		18 9	14.04			8	0.9				

February 7 2019 Hour: 7:50 46.2 Lat: 35.47N Lon: 4.85W Depth: 55F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	398	302	EP		751	37.980	.100							1.0
MORF	HN	398	302	ES		752	15.57	-.010							1.0
MORF	HN	398	302	IAML		752	18.08			22	0.1				
MESJ	HZ	400	312	EP		751	38.13	-.040							1.0
MESJ	HE	400	312	ES		752	16.04	-.050							1.0
MESJ	HN	400	312	IAML		752	18.37			27	0.2				

February 7 2019 Hour: 10:29 33.0 Lat: 35.56N Lon: 9.66W Depth: 29F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	214	25	EP		1030	2.45	-.030							1.0
MORF	HE	214	25	ES		1030	23.81	-.170							1.0
MORF	HN	214	25	IAML		1030	25.47			22	0.1				
MESJ	HZ	284	27	EP		1030	11.200	.030							1.0
MESJ	HN	284	27	ES		1030	39.190	.180							1.0
MESJ	HN	284	27	IAML		1030	42.07			8	0.1				

February 7 2019 Hour: 18:5 6.4 Lat: 37.32N Lon: 8.60W Depth: 10F Agency: IGL Regional
Magnitudes: 1.4ML 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	5	250	EP		18 5	8.17	-.100							1.0
MORF	HE	5	250	ES		18 5	9.730	.090							1.0
MORF	HN	5	250	IAML		18 5	10.57			342	0.1				
MESJ	HZ	67	30	EP		18 5	17.20	-.070							1.0
MESJ	HN	67	30	ES		18 5	25.300	.080							1.0
MESJ	HN	67	30	IAML		18 5	28.28			12	0.1				

February 7 2019 Hour: 19:30 21.4 Lat: 38.49N Lon: 7.18W Depth: 10F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs

NE MOURAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	116	232	EP		1930	39.80	-.030							1.0
MESJ	HN	116	232	ES		1930	53.300	.030							1.0
MESJ	HE	116	232	IAML		1930	55.27			1.00	0.1				

February 8 2019 Hour: 4:4 26.3 Lat: 36.32N Lon: 7.89W Depth: 30F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	328	EP		4 4	45.00	-.110							1.0
MESJ	HZ	171	350	EP		4 4	50.35	-.010							1.0
MESJ	HN	171	350	ES		4 5	8.060	.130							1.0

MESJ HN 171 350 IAML 4 5 9.55 1 0.1

**February 8 2019 Hour: 15:45 31.1 Lat: 36.69N Lon: 8.37W Depth: 24F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	73	340	EP		1545	42.950	.000							1.0
MORF	HE	73	340	ES		1545	51.59	-.000							1.0
MORF	HN	73	340	IAML		1545	54.42		76	0.1					
MESJ	HZ	128	6	EP		1545	50.250	.000							1.0
MESJ	HN	128	6	ES		1546	4.22	-.000							1.0
MESJ	HN	128	6	IAML		1546	5.15		25	0.2					

**February 9 2019 Hour: 3:1 6.9 Lat: 41.16N Lon: 6.97W Depth: 6F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs**

E TORRE DE MONCORVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	384	197	EP		3 1	59.540	.080							1.0
MESJ	HN	384	197	ES		3 2	37.850	.040							1.0
MESJ	HE	384	197	IAML		3 2	42.82		7	0.3					
MORF	HZ	452	199	EP		3 2	7.72	-.130							1.0

**February 9 2019 Hour: 6:53 30.4 Lat: 37.25N Lon: 8.57W Depth: 12F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs**

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	309	EP		653	32.87	-.100							1.0
MORF	HE	9	309	ES		653	34.830	.010							1.0
MORF	HE	9	309	IAML		653	35.00		24	0.1					
MESJ	HE	72	25	ES		653	50.670	.100							1.0
MESJ	HE	72	25	IAML		653	52.20		0.60	0.1					

**February 9 2019 Hour: 10:38 2.3 Lat: 36.81N Lon: 9.11W Depth: 30F 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	68	36	EP		1038	13.57	-.020							1.0
MORF	HE	68	36	ES		1038	21.890	.030							1.0
MORF	HE	68	36	IAML		1038	22.50		46	0.2					
MESJ	HZ	139	34	EP		1038	22.31	-.010							1.0
MESJ	HN	139	34	ES		1038	36.970	.000							1.0
MESJ	HN	139	34	IAML		1038	39.26		3	0.2					

**February 9 2019 Hour: 19:23 8.9 Lat: 21.67S Lon: 68.39W Depth: 122F Agency: IGL Distant
Magnitudes: 4.5Mb IGL Rms: 0.0 secs**

ANTOFAGASTA, CHILE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9105	44	EP		1935	14.58	-.010							1.0
MESJ	BZ	9105	44	IAMB		1935	16.56		7	0.7					

**February 9 2019 Hour: 19:53 17.2 Lat: 36.50N Lon: 9.71W Depth: 9F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	130	46	EP		1953	37.830	.070							1.0
MORF	HE	130	46	ES		1953	52.73	-.020							1.0
MORF	HN	130	46	IAML		1953	53.75		4	0.1					
MESJ	HZ	199	41	EP		1953	46.41	-.090							1.0
MESJ	HE	199	41	ES		1954	7.890	.030							1.0
MESJ	HN	199	41	IAML		1954	10.10		1	0.2					

February 10 2019 Hour: 11:25.1 Lat: 37.16N Lon: 8.01W Depth: 15F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs
NE LOULE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	59	286	EP		11	3	4.65							1.0
MORF	HN	59	286	ES		11	3	11.91							1.0
MORF	HN	59	286	IAML		11	3	14.40		18	0.2				
MESJ	HZ	78	346	EP		11	3	7.57							1.0

February 10 2019 Hour: 11:53.27.6 Lat: 37.19N Lon: 8.61W Depth: 6F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs
NW PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	343	EP		1153	29.90	-.080							1.0
MORF	HN	13	343	ES		1153	31.79	0.080							1.0
MORF	HN	13	343	IAML		1153	32.20			31	0.1				

February 11 2019 Hour: 9:37.43.9 Lat: 36.40N Lon: 9.67W Depth: 14F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	135	42	EP		938	4.69	-.150							1.0
MORF	HN	135	42	ES		938	20.25	0.150							1.0
MORF	HE	135	42	IAML		938	21.09			7	0.1				

February 11 2019 Hour: 21:46.58.2 Lat: 41.19N Lon: 6.96W Depth: 4F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs
NE TORRE DE MONCORVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	387	197	EP		2147	51.26	-.090							1.0
MESJ	HE	387	197	ES		2148	30.25	0.090							1.0
MESJ	HE	387	197	IAML		2148	31.56			0.60	0.2				

February 12 2019 Hour: 0:20.45.0 Lat: 38.77N Lon: 7.91W Depth: 5F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs
NE ARRAIOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	107	195	EP		021	2.37	0.090							1.0
MESJ	HE	107	195	ES		021	14.90	0.040							1.0
MESJ	HN	107	195	IAML		021	15.83			23	0.1				
MORF	HZ	175	202	EP		021	11.60	-.190							1.0
MORF	HN	175	202	ES		021	31.36	0.050							1.0
MORF	HN	175	202	IAML		021	35.13			16	0.2				

February 12 2019 Hour: 1:32.26.7 Lat: 14.46N Lon: 85.73E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs
BAY OF BENGAL Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9386	307	EP		144	59.24	0.000							1.0
MESJ	BZ	9386	307	IAMB		144	59.68			14	1.1				

February 12 2019 Hour: 4:19.8.9 Lat: 36.72N Lon: 7.39W Depth: 23F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	130	300	EP		419	28.29	-.250							1.0
MORF	HE	130	300	ES		419	42.91	-.000							1.0
MORF	HN	130	300	IAML		419	44.09			10	0.1				
MESJ	HZ	144	330	EP		419	30.49	0.160							1.0
MESJ	HN	144	330	ES		419	46.11	0.100							1.0
MESJ	HN	144	330	IAML		419	48.02			5	0.2				

February 12 2019 Hour: 4:43 36.0 Lat: 36.53N Lon: 9.79W Depth: 31F 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	133	49	EP		443	54.49	-.020							1.0
MORF	HE	133	49	ES		444	8.120	.060							1.0
MORF	HN	133	49	IAML		444	9.19			3	0.1				
MESJ	HZ	201	43	EP		444	2.86	-.130							1.0
MESJ	HN	201	43	ES		444	22.820	.090							1.0
MESJ	HN	201	43	IAML		444	24.33			1	0.2				

February 12 2019 Hour: 11:48 28.4 Lat: 34.84N Lon: 8.69W 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	273	1	EP		1149	5.01	-.190							1.0
MORF	HE	273	1	ES		1149	32.120	.080							1.0
MORF	HE	273	1	IAML		1149	37.32			8	0.3				
MESJ	HZ	336	7	EP		1149	12.910	.050							1.0
MESJ	HN	336	7	ES		1149	45.350	.070							1.0
MESJ	HN	336	7	IAML		1149	47.68			2	0.2				

February 12 2019 Hour: 20:44 37.7 Lat: 36.69N Lon: 9.72W Depth: 18F 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	117	54	EP		2044	56.000	.050							1.0
MORF	HE	117	54	ES		2045	9.14	-.150							1.0
MORF	HN	117	54	IAML		2045	10.37			11	0.1				
MESJ	HZ	184	46	EP		2045	4.390	.100							1.0
MESJ	HN	184	46	ES		2045	23.730	.010							1.0
MESJ	HN	184	46	IAML		2045	26.46			2	0.1				

February 13 2019 Hour: 23:50 59.2 Lat: 33.45N Lon: 6.35W Depth: 30F Agency: IGL Regional
Magnitudes: 1.6ML 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	516	341	EP		2352	5.70	-.030							1.0
MESJ	HN	516	341	ES		2352	54.300	.030							1.0
MESJ	HN	516	341	IAML		2352	59.23			1	0.1				

February 14 2019 Hour: 10:0 56.7 Lat: 37.30N Lon: 7.78W Depth: 9F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NE S.BRAS DE ALPORTEL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	71	327	EP		10	1	8.390	.070						1.0
MESJ	HE	71	327	ES		10	1	16.63	-.170						1.0
MESJ	HE	71	327	IAML		10	1	19.53		6	0.1				
MORF	HZ	77	271	EP		10	1	9.26	-.030						1.0
MORF	HN	77	271	ES		10	1	18.590	.130						1.0
MORF	HN	77	271	IAML		10	1	20.26		11	0.2				

February 14 2019 Hour: 14:33 16.8 Lat: 12.18S Lon: 74.33W Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.0 secs

CENTRAL PERU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8768	48	EP		1445	19.96	-.040							1.0
MORF	BZ	8768	48	IAMB		1445	21.71			151	1.2				
GGNV	BZ	8795	46	EP		1445	21.270	.040							1.0
GGNV	BZ	8795	46	IAMB		1445	22.59			93	0.9				
MESJ	BZ	8828	47	EP		1445	22.86	-.010							1.0
MESJ	BZ	8828	47	IAMB		1445	25.07			75	1.4				
MESJ	BE	8828	47	ES		1455	24.200	.000							1.0

February 14 2019 Hour: 16:40 30.0 Lat: 37.48N Lon: 8.75W Depth: 9F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

SW ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	21	156	EP		1640	33.78	-.020							1.0
MORF	HE	21	156	ES		1640	36.630	.080							1.0
MORF	HN	21	156	IAML		1640	37.16		216	0.2					
MESJ	HZ	62	49	EP		1640	40.170	.120							1.0
MESJ	HN	62	49	ES		1640	47.19	-.180							1.0
MESJ	HN	62	49	IAML		1640	48.70		10	0.1					

February 14 2019 Hour: 19:57 5.9 Lat: 35.41N Lon: 36.28W Depth: 10F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

NORTHERN MID-ATLANTIC RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	2432	73	EP		20 1	58.850	.080							1.0
GGNV	BE	2432	73	ES		20 6	1.500	.050							1.0
GGNV	BN	2432	73	IAMs_20		20 6	39.70		96742	24.0					
MORF	BZ	2480	77	EP		20 2	3.490	.020							1.0
MORF	BN	2480	77	ES		20 6	9.95	-.080							1.0
MORF	BN	2480	77	IAMs_20		20 6	51.20		76057	21.2					
MESJ	BZ	2515	76	EP		20 2	6.72	-.060							1.0
MESJ	BN	2515	76	ES		20 6	16.070	.000							1.0
MESJ	BN	2515	76	IAMs_20		20 6	46.76		35779	17.1					

February 14 2019 Hour: 20:36 53.0 Lat: 34.60N Lon: 5.50W Depth: 4F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	413	317	EP		2037	49.520	.050							1.0
MORF	HN	413	317	ES		2038	30.750	.080							1.0
MORF	HE	413	317	IAML		2038	35.75		46	0.1					
MESJ	HZ	435	327	EP		2037	51.95	-.110							1.0
MESJ	HE	435	327	ES		2038	35.13	-.020							1.0
MESJ	HN	435	327	IAML		2038	38.67		19	0.4					

February 15 2019 Hour: 18:0 7.8 Lat: 33.28N Lon: 6.42W Depth: 48F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	491	336	EP		18 1	10.63	-.070							1.0
MORF	HN	491	336	ES		18 1	56.63	-.010							1.0
MORF	HN	491	336	IAML		18 1	58.98		3	0.1					
MESJ	HZ	532	343	EP		18 1	15.63	-.010							1.0
MESJ	HN	532	343	ES		18 2	5.280	.090							1.0
MESJ	HN	532	343	IAML		18 2	7.67		2	0.1					

February 16 2019 Hour: 0:42 24.2 Lat: 34.64N Lon: 5.66W Depth: 14F Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	423	328	EP		043	20.74	-.020							1.0

February 16 2019 Hour: 1:14 16.0 Lat: 34.72N Lon: 5.46W Depth: 17F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	426	325	EP		115	12.700	.080							1.0
MESJ	HN	426	325	ES		115	53.89	-.080							1.0
MESJ	HN	426	325	IAML		115	57.41		5	0.6					

February 16 2019 Hour: 4:35 35.6 Lat: 34.89N Lon: 4.64W Depth: 23F Agency: IGL Regional
Magnitudes: 4.7ML IGL Rms: 0.2 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	450	308	EP		436	34.80	-.140							1.0
MORF	HE	450	308	ES		437	17.95	-.290							1.0
MORF	HE	450	308	IAML		437	22.22		1923	0.2					
MESJ	HZ	459	317	EP		436	36.230	.260							1.0
MESJ	HE	459	317	ES		437	19.93	-.100							1.0
MESJ	HN	459	317	IAML		437	24.13		802	0.3					
GGNV	HN	585	318	ES		437	46.790	.310							0.9
GGNV	HE	585	318	IAML		437	50.76		1442	0.4					

February 16 2019 Hour: 5:56 12.4 Lat: 41.18N Lon: 29.36W Depth: 10F Agency: IGL Distant
Magnitudes: 4.5Ms IGL Rms: 0.0 secs

AZORES ISLANDS REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	1745	92	EP		559	53.550	.010							1.0
GGNV	BZ	1745	92	IAMs_20		6	4	13.57	4830	17.7					
MORF	BZ	1834	97	EP		6	0	3.86	-.060						1.0
MORF	BZ	1834	97	IAMs_20		6	4	14.89	2517	16.9					
MESJ	BZ	1851	95	EP		6	0	5.830	.040						1.0
MESJ	BZ	1851	95	IAMs_20		6	4	29.48	2667	20.8					

February 16 2019 Hour: 6:45 54.0 Lat: 41.20N Lon: 29.38W Depth: 2F Agency: IGL Distant
Magnitudes: 4.7Ms IGL Rms: 0.1 secs

AZORES ISLANDS REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	1836	97	EP		649	46.68	-.090							1.0
MORF	BZ	1836	97	IAMs_20		654	37.85		4443	16.6					
MESJ	BZ	1852	95	EP		649	48.58	-.060							1.0
MESJ	BE	1852	95	ES		652	55.500	.150							1.0
MESJ	BZ	1852	95	IAMs_20		654	14.36		5030	22.8					

February 16 2019 Hour: 15:19 40.0 Lat: 36.78N Lon: 7.36W Depth: 0 Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	129	297	EP		1520	0.63	-.130							1.0
MORF	HN	129	297	ES		1520	15.80	-.130							1.0
MORF	HN	129	297	IAML		1520	17.39		11	0.4					
MESJ	HZ	140	327	EP		1520	2.650	.110							1.0
MESJ	HN	140	327	ES		1520	19.170	.160							1.0
MESJ	HN	140	327	IAML		1520	21.41		5	0.4					

February 16 2019 Hour: 17:14 40.6 Lat: 38.99N Lon: 9.13W Depth: 12F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

NW ARRUDA DOS VINHOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	30	183	ES		1714	49.770	.020							1.0
GGNV	HE	30	183	IAML		1714	50.13		166	0.2					
MESJ	HZ	150	148	EP		1715	3.42	-.110							0.9
MESJ	HE	150	148	ES		1715	20.350	.090							0.9
MESJ	HN	150	148	IAML		1715	21.76		4	0.2					

February 16 2019 Hour: 22:37 53.5 Lat: 36.89N Lon: 9.66W Depth: 15F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	101	63	EP		2238	9.500	.070							1.0
MORF	HN	101	63	ES		2238	21.03	-.050							1.0
MORF	HN	101	63	IAML		2238	23.49		12	0.3					
MESJ	HZ	165	50	EP		2238	17.79	-.200							1.0

MESJ HE 165 50 ES 2238 36.070.170 1.0
 MESJ HE 165 50 IAML 2238 37.26 0.80 0.1

February 16 2019 Hour: 23:45 10.1 Lat: 39.21N Lon: 10.72W Depth: 31F Agency: IGL Regional
Magnitudes: 2.7ML 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	HE	147	111	ES		2345	45.210	.150							1.0
GGNV	HN	147	111	IAML		2345	49.34			162	0.2				
MESJ	HZ	266	124	EP		2345	45.180	.080							0.9
MESJ	HN	266	124	ES		2346	10.730	.050							0.9
MESJ	HN	266	124	IAML		2346	14.41			10	0.2				
MORF	HZ	278	139	EP		2345	46.63	-.060							0.9
MORF	HN	278	139	ES		2346	13.18	-.240							0.9
MORF	HE	278	139	IAML		2346	15.77			113	0.1				

February 17 2019 Hour: 2:58 4.4 Lat: 37.09N Lon: 8.39W Depth: 11F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

SE LAGOA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	33	316	EP		258	10.170	.080							1.0
MORF	HE	33	316	ES		258	14.18	-.060							1.0
MORF	HE	33	316	IAML		258	15.24			205	0.1				
MESJ	HZ	85	10	EP		258	17.980	.040							1.0
MESJ	HN	85	10	ES		258	27.76	-.060							1.0
MESJ	HN	85	10	IAML		258	29.22			34	0.2				

February 17 2019 Hour: 3:58 0.2 Lat: 36.82N Lon: 8.57W Depth: 25F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	54	352	EP		358	9.44	-.020							1.0
MORF	HN	54	352	ES		358	16.21	-.030							1.0
MORF	HN	54	352	IAML		358	18.15			240	0.2				
MESJ	HZ	117	15	EP		358	17.87	-.030							1.0
MESJ	HN	117	15	ES		358	30.920	.090							1.0
MESJ	HN	117	15	IAML		358	34.41			55	0.2				

February 17 2019 Hour: 14:35 51.9 Lat: 3.39S Lon: 152.11E Depth:368FAgency: 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
GGNV	BZ15686	337	EPKP			1454	37.95	-.090							1.0
MESJ	BZ15726	335	EPKP			1454	38.71	-.010							1.0
MORF	BZ15797	335	EPKP			1454	40.000	.110							1.0

February 17 2019 Hour: 19:7 43.0 Lat: 36.43N Lon: 22.94E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

SOUTHERN GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2761	283	EP		1913	5.41	-.030							1.0
MESJ	BZ	2761	283	IAMB		1913	7.88			59	1.0				

February 17 2019 Hour: 21:16 23.7 Lat: 37.32N Lon: 8.56W Depth: 13F Agency: IGL Regional
Magnitudes: 0.4ML 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	258	EP		2116	26.11	-.180							1.0
MORF	HN	8	258	ES		2116	28.260	.100							1.0
MORF	HN	8	258	IAML		2116	28.80			14	0.2				
MESJ	HZ	65	27	EP		2116	34.340	.080							1.0

February 18 2019 Hour: 0:3 20.8 Lat: 38.35N Lon: 9.31W Depth: 8F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	43	19	EP		0	3	27.62-.220							1.0
GGNV	HE	43	19	ES		0	3	33.030.030							1.0
GGNV	HN	43	19	IAML		0	3	36.91		138	0.3				
MESJ	HZ	111	120	EP		0	3	38.49-.030							1.0
MESJ	HE	111	120	ES		0	3	51.570.100							1.0
MESJ	HN	111	120	IAML		0	3	54.73		30	0.3				
MORF	HZ	130	153	EPg		0	3	41.820.080							1.0
MORF	HE	130	153	ESg		0	3	57.110.060							1.0
MORF	HN	130	153	IAML		0	3	59.60		46	0.3				

February 18 2019 Hour: 0:27 24.3 Lat: 38.35N Lon: 9.30W Depth: 12F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net:IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	43	18	EP		027		31.23-.200							1.0
GGNV	HN	43	18	ES		027		36.700.050							1.0
GGNV	HN	43	18	IAML		027		38.16		514	0.3				
MESJ	HZ	110	121	EP		027		41.59-.090							1.0
MESJ	HE	110	121	ESg		027		55.400.130							1.0
MESJ	HN	110	121	IAML		027		57.90		118	0.3				
MORF	HZ	129	154	EPg		027		45.260.030							1.0
MORF	HN	129	154	ES		027		59.470.100							1.0
MORF	HN	129	154	IAML		028		3.74		216	0.2				

February 18 2019 Hour: 0:48 20.1 Lat: 38.33N Lon: 9.41W Depth: 8F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	118	117	EP		048		38.890.030							1.0
MESJ	HE	118	117	ES		048		52.51-.030							1.0
MESJ	HN	118	117	IAML		048		55.25		3	0.2				

February 18 2019 Hour: 15:48 26.6 Lat: 38.34N Lon: 9.32W Depth: 1 Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HE	44	20	ES		1548		39.060.100							1.0
GGNV	HN	44	20	IAML		1548		40.85		203	0.3				
MESJ	HZ	111	120	EP		1548		44.41-.120							1.0
MORF	HZ	129	153	EP		1548		47.490.090							1.0
MORF	HN	129	153	ES		1549		2.53-.070							1.0
MORF	HN	129	153	IAML		1549		5.77		56	0.3				

February 18 2019 Hour: 18:31 57.8 Lat: 38.07N Lon: 8.25W Depth: 0 Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

W FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	26	174	EP		1832		1.83-.070							1.0
MESJ	HN	26	174	ES		1832		4.81-.120							1.0
MESJ	HN	26	174	IAML		1832		5.16		21	0.1				
MORF	HZ	92	203	EP		1832		12.810.200							1.0

February 18 2019 Hour: 22:29 26.8 Lat: 33.37N Lon: 6.41W Depth: 28F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	482	336	EP		2230		29.31-.050							1.0
MESJ	HZ	522	342	EP		2230		34.260.010							1.0
MESJ	HN	522	342	ES		2231		23.520.040							1.0

MESJ HN 522 342 IAML 2231 26.37 3 0.1

February 19 2019 Hour: 0:3 14.7 Lat: 38.35N Lon: 9.31W Depth: 1 Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HN	43	19	ES		0	3	26.66							1.0
GGNV	HN	43	19	IAML		0	3	28.85		123	0.3				
MESJ	HZ	111	120	EP		0	3	32.42							1.0
MORF	HZ	130	153	EPg		0	3	35.72							1.0
MORF	HE	130	153	ES		0	3	51.05							1.0
MORF	HN	130	153	IAML		0	3	53.75		52	0.2				

February 19 2019 Hour: 3:46 8.9 Lat: 35.78N Lon: 4.53W Depth: 34F Agency: IGL Regional
Magnitudes: 3.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	401	306	EP		347		1.41							1.0
MESJ	HN	401	306	ES		347		39.66							1.0
MESJ	HN	401	306	IAML		347		41.80		325	0.3				
MORF	HZ	406	296	EP		347		1.92							1.0
MORF	HN	406	296	ES		347		40.82							1.0
MORF	HN	406	296	IAML		347		43.14		237	0.2				

February 19 2019 Hour: 5:10 36.7 Lat: 37.02N Lon: 13.44W Depth: 27F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	426	84	EP		511		32.52							1.0
MORF	HN	426	84	ES		512		13.42							1.0
MORF	HE	426	84	IAML		512		17.45		6	0.1				
MESJ	HZ	470	77	EP		511		38.05							1.0

February 19 2019 Hour: 8:11 13.0 Lat: 37.04N Lon: 9.15W Depth: 30F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

W CABO S. VICENTE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	53	56	EP		811		22.49							1.0
MORF	HE	53	56	ES		811		29.13							1.0
MORF	HE	53	56	IAML		811		29.74		224	0.1				
MESJ	HZ	121	43	EP		811		30.72							1.0
MESJ	HE	121	43	ES		811		43.84							1.0
MESJ	HN	121	43	IAML		811		44.47		93	0.1				

February 19 2019 Hour: 10:50 3.6 Lat: 36.67N Lon: 9.73W Depth: 20F 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	119	53	EP		1050		21.88							1.0
MORF	HE	119	53	ES		1050		35.46							1.0
MORF	HN	119	53	IAML		1050		37.32		4	0.2				
MESJ	HZ	187	45	EP		1050		30.16							1.0
MESJ	HN	187	45	ES		1050		49.85							1.0
MESJ	HN	187	45	IAML		1050		52.17		1	0.2				

February 19 2019 Hour: 11:48 46.4 Lat: 36.52N Lon: 5.10W Depth: 50F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	313	299	EP		1149		27.75							1.0
MESJ	HE	313	299	ES		1149		57.98							1.0
MESJ	HE	313	299	IAML		1150		0.13		1	0.1				
MORF	HZ	328	286	EP		1149		29.64							1.0
MORF	HN	328	286	ES		1150		1.33							1.0

MORF HN 328 286 IAML 1150 4.25 12 0.1

**February 19 2019 Hour: 17:40 5.0 Lat: 36.99N Lon: 13.55W Depth: 31F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	437	84	EP		1741	1.140	.060							1.0
MORF	HE	437	84	ES		1741	42.100	.070							1.0
MORF	HN	437	84	IAML		1741	44.08			18	0.3				
MESJ	HZ	481	77	EP		1741	6.29-	.170							1.0
MESJ	HE	481	77	ES		1741	51.380	.040							1.0
MESJ	HN	481	77	IAML		1741	54.54			6	0.2				

**February 19 2019 Hour: 22:39 20.1 Lat: 36.65N Lon: 7.58W Depth: 34F 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	144	337	EP		2239	40.800	.130							1.0
MESJ	HN	144	337	ES		2239	55.59-	.130							1.0
MESJ	HN	144	337	IAML		2239	58.27			2	0.1				

**February 20 2019 Hour: 7:51 15.3 Lat: 36.92N Lon: 8.53W Depth: 18F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	44	346	EP		751	22.880	.040							1.0
MORF	HE	44	346	ES		751	28.31-	.040							1.0
MORF	HE	44	346	IAML		751	30.07			15	0.3				

**February 20 2019 Hour: 11:34 56.3 Lat: 38.12N Lon: 9.01W Depth: 1 Agency: IGL Regional
Magnitudes: 1.4ML 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
MESJ	HZ	76	114	EP		1135	8.50-	.090							1.0
MESJ	HN	76	114	ES		1135	17.700	.150							1.0
MESJ	HN	76	114	IAML		1135	20.60			7	0.2				
MORF	HZ	96	161	EP		1135	11.77-	.010							1.0
MORF	HN	96	161	ES		1135	23.02-	.050							1.0
MORF	HE	96	161	IAML		1135	25.07			21	0.1				

**February 20 2019 Hour: 11:44 3.9 Lat: 36.73N Lon: 7.57W Depth: 26F 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	116	304	EP		1144	21.29-	.110							1.0
MORF	HN	116	304	ES		1144	34.08-	.070							1.0
MORF	HE	116	304	IAML		1144	35.76			58	0.1				
MESJ	HZ	136	335	EP		1144	24.110	.200							1.0
MESJ	HE	136	335	ES		1144	38.47-	.010							1.0
MESJ	HN	136	335	IAML		1144	40.86			26	0.2				

**February 20 2019 Hour: 18:23 28.0 Lat: 39.63N Lon: 26.45E Depth: 8F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs**

NEAR THE COAST OF WESTERN TURKEY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3002	277	EP		1829	10.38-	.020							1.0
MESJ	BZ	3002	277	IAMB		1829	11.77			33	0.9				

February 20 2019 Hour: 21:29 11.7 Lat: 38.49N Lon: 7.90W Depth: 20F Agency: IGL Regional
Magnitudes: 2.8ML 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
MESJ	HZ	77	201	EP		2129	24.660	.430							1.0
MESJ	HE	77	201	ES		2129	33.18	-.190							1.0
MESJ	HN	77	201	IAML		2129	34.73			381	0.2				
GGNV	HE	112	283	ES		2129	41.890	.100							1.0
GGNV	HN	112	283	IAML		2129	45.21			191	0.3				
MORF	HZ	147	207	EP		2129	33.53	-.050							1.0
MORF	HN	147	207	ESg		2129	51.28	-.320							1.0
MORF	HN	147	207	IAML		2129	54.63			127	0.2				

February 20 2019 Hour: 23:31 17.2 Lat: 36.44N Lon: 7.92W Depth: 14F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	158	350	EP		2331	40.850	.000							1.0

February 21 2019 Hour: 6:34 40.2 Lat: 20.86S Lon: 178.83W Depth: 617F Agency: IGL Distant
Rms: 0.0 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17940	24	EPK	Pdf		653	30.580	.020							1.0
MORF	BZ17973	25	EPK	Pdf		653	30.90	-.020							1.0

February 22 2019 Hour: 9:17 49.9 Lat: 37.36N Lon: 8.79W Depth: 23F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NE ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	117	EP		917	53.73	-.040							1.0
MORF	HE	14	117	ES		917	56.51	-.100							1.0
MORF	HN	14	117	IAML		917	56.79			59	0.1				
MESJ	HZ	73	43	EP		918	1.950	.170							1.0
MESJ	HN	73	43	ES		918	10.44	-.020							1.0
MESJ	HN	73	43	IAML		918	11.26			5	0.1				

February 22 2019 Hour: 10:17 22.5 Lat: 2.13S Lon: 76.98W Depth: 140F Agency: IGL Distant
Magnitudes: 7.2Mb IGL Rms: 0.2 secs

PERU-ECUADOR BORDER REGION Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8262	49	EP		1028	44.440	.180							1.0
MORF	BZ	8262	50	IAMB		1028	51.19			15431	1.3				
GGNV	BZ	8262	49	IAMB		1028	47.56			4376	1.1				
GGNV	BE	8262	49	ES		1038	6.75	-.290							1.0
MORF	BZ	8262	50	EP		1028	44.690	.350							1.0
MORF	BN	8262	50	ES		1038	6.96	-.220							1.0
MESJ	BZ	8314	50	EP		1028	47.190	.180							1.0
MESJ	BZ	8314	50	IAMB		1028	49.82			2375	1.4				
MESJ	BE	8314	50	ES		1038	12.12	-.210							1.0

February 22 2019 Hour: 13: 2 13.4 Lat: 33.40N Lon: 6.41W Depth: 31F 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	479	335	EP		13 3	14.60	-.020							1.0
MESJ	HZ	519	342	EP		13 3	19.510	.020							1.0

February 23 2019 Hour: 4:27 8.4 Lat: 36.78N Lon: 8.45W Depth: 22F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	61	343	EP		427	18.570	.030							1.0
MORF	HE	61	343	ES		427	25.92	-.030							1.0
MORF	HE	61	343	IAML		427	26.99			14	0.2				

February 23 2019 Hour: 11:16 57.1 Lat: 37.57N Lon: 9.28W Depth: 29F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	63	118	EP		1117	7.770	.100							1.0
MORF	HE	63	118	ES		1117	15.33	-.070							1.0
MORF	HE	63	118	IAML		1117	17.01			339	0.1				
MESJ	HZ	98	72	EP		1117	12.210	.070							1.0
MESJ	HN	98	72	ES		1117	23.05	-.100							1.0
MESJ	HN	98	72	IAML		1117	26.96			31	0.1				

February 23 2019 Hour: 12:10 22.5 Lat: 37.55N Lon: 9.28W Depth: 28F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	62	116	EP		1210	33.100	.210							1.0
MORF	HN	62	116	ES		1210	40.35	-.150							1.0
MORF	HE	62	116	IAML		1210	42.66			85	0.1				
MESJ	HZ	99	71	EP		1210	37.68	-.020							1.0
MESJ	HN	99	71	ES		1210	48.77	-.040							1.0
MESJ	HN	99	71	IAML		1210	49.77			6	0.1				

February 23 2019 Hour: 12:14 39.1 Lat: 23.13S Lon: 66.65W Depth: 204F Agency: IGL Distant
Magnitudes: 4.7Mb 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	9032	43	EP		1226	32.11	-.020							1.0
MORF	BZ	9032	43	IAMB		1226	33.41			11	0.8				
MESJ	BZ	9099	43	EP		1226	35.220	.020							1.0
MESJ	BZ	9099	43	IAMB		1226	36.89			17	0.9				

February 23 2019 Hour: 21:38 10.8 Lat: 29.55N Lon: 104.59E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

EASTERN SICHUAN, CHINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9805	313	EP		2151	2.02	-.010							1.0
MESJ	BZ	9805	313	IAMB		2151	3.23			12	0.9				

February 23 2019 Hour: 23:48 11.6 Lat: 38.52N Lon: 7.86W Depth: 11F Agency: IGL Regional
Magnitudes: 1.3ML 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
MESJ	HZ	82	203	EP		2348	24.800	.090							1.0
MESJ	HN	82	203	ES		2348	34.21	-.090							1.0
MESJ	HN	82	203	IAML		2348	35.32			9	0.1				

February 24 2019 Hour: 6:0 32.3 Lat: 57.60S Lon: 157.62E Depth: 10F Agency: IGL Distant
Magnitudes: 1.3ML IGL Rms: 0.1 secs

MACQUARIE ISLAND REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ17519	210	EP	KPab		621	0.24	-.140							1.0
MESJ	BZ17562	211	EP	KPab		621	2.130	.140							1.0

February 24 2019 Hour: 13:29 32.8 Lat: 0.50N Lon: 122.19E Depth: 94F Agency: IGL Distant
Rms: 0.0 secs

MINAHASA, SULAWESI, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13417	316	EP	KPdf		1348	13.240	.010							1.0
MORF	BZ13479	315	EP	KPdf		1348	14.33-	.010							1.0

February 24 2019 Hour: 16:36 26.3 Lat: 38.00N Lon: 9.01W Depth: 17F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.0 secs

NORTH ATLANTIC OCEAN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	72	104	EP		1636	37.860	.010							1.0
MESJ	HE	72	104	ES		1636	46.23-	.090							1.0
MESJ	HN	72	104	IAML		1636	48.71			125	0.1				
MORF	HZ	83	158	EP		1636	39.680	.050							1.0
MORF	HN	83	158	ES		1636	49.430	.040							1.0
MORF	HE	83	158	IAML		1636	51.05			587	0.2				

February 25 2019 Hour: 4:18 39.5 Lat: 36.65N Lon: 7.28W Depth: 22F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	156	328	EP		419	2.400	.110							1.0
MESJ	HN	156	328	ES		419	18.80-	.110							1.0
MESJ	HN	156	328	IAML		419	20.14			3	0.1				

February 25 2019 Hour: 10:57 53.4 Lat: 36.59N Lon: 9.79W Depth: 13F 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	HN	129	52	ES		1058	28.340	.110							1.0
MORF	HN	129	52	IAML		1058	29.12			20	0.2				
MESJ	HZ	197	45	EP		1058	21.76-	.170							1.0
MESJ	HE	197	45	ES		1058	42.840	.060							1.0
MESJ	HN	197	45	IAML		1058	45.55			2	0.1				

February 25 2019 Hour: 17:35 43.5 Lat: 35.39N Lon: 11.81W Depth: 31F 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	354	52	EP		1736	29.620	.040							1.0
MESJ	HZ	421	49	EP		1736	37.660	.010							1.0
MESJ	HE	421	49	ES		1737	17.11-	.050							1.0
MESJ	HE	421	49	IAML		1737	19.49			2	0.1				

February 26 2019 Hour: 7:10 55.1 Lat: 39.82N Lon: 12.19W Depth: 28F Agency: IGL Regional
Magnitudes: 1.7ML 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
MESJ	HZ	409	121	EP		711	48.71-	.110							1.0
MESJ	HE	409	121	ES		712	28.060	.050							1.0
MESJ	HN	409	121	IAML		712	28.65			2	0.2				
MORF	HZ	416	131	EP		711	49.780	.060							1.0

February 26 2019 Hour: 11:44 29.4 Lat: 37.36N Lon: 1.98W Depth: 1 Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	554	277	EP		1145	43.150	.100							1.0
MESJ	HN	554	277	ES		1146	36.75-	.100							1.0
MESJ	HN	554	277	IAML		1146	41.01			9	0.2				

February 26 2019 Hour: 20:51 11.0 Lat: 37.45N Lon: 8.86W Depth: 21F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	25	131	EP		2051	16.00	-.080							1.0
MORF	HE	25	131	ES		2051	19.870	.050							1.0
MORF	HN	25	131	IAML		2051	20.19			7	0.1				
MESJ	HZ	71	52	EP		2051	22.590	.030							1.0

February 27 2019 Hour: 12:47 59.1 Lat: 33.50N Lon: 6.32W Depth: 32F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	472	334	EP		1249	0.340	.040							1.0
MORF	HN	472	334	ES		1249	45.000	.050							1.0
MORF	HN	472	334	IAML		1249	45.67			5	0.3				
MESJ	HZ	511	341	EP		1249	4.91	-.090							1.0

February 28 2019 Hour: 4:45 36.1 Lat: 33.26N Lon: 6.67W Depth: 82F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	484	339	EP		446	37.690	.040							1.0
MESJ	HZ	527	345	EP		446	42.780	.040							1.0
MESJ	HN	527	345	ES		447	31.33	-.090							1.0
MESJ	HN	527	345	IAML		447	34.88			3	0.1				

February 28 2019 Hour: 18:36 13.8 Lat: 36.38N Lon: 7.79W Depth: 0 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	128	323	EP		1836	34.36	-.110							1.0
MORF	HE	128	323	ES		1836	49.56	-.010							1.0
MORF	HE	128	323	IAML		1836	51.38			10	0.2				
MESJ	HZ	166	347	EP		1836	40.030	.120							1.0