

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

July to August

2018

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IDL.UL.PT

STATIONS USED

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

Lisboa (IGIDL)
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Marmelete (Picos)
MORF

Latitude	37.3043N
Longitude	8.6527W
Height	560m

Messejana
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

July 1 2018 Hour: 4:17 4.4 Lat: 35.46N Lon: 6.30W Depth: 43F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HE 294 315 ES 418 12.270.000 1.0
 MORF HE 294 315 IAML 418 13.38 2 0.1
 MESJ HZ 315 328 EP 417 46.05-.060 1.0
 MESJ HN 315 328 ES 418 16.660.060 1.0
 MESJ HE 315 328 IAML 418 18.95 1 0.1

July 1 2018 Hour: 4:23 54.6 Lat: 35.38N Lon: 6.34W Depth: 27F Agency: IGL Regional
Magnitudes: 2.3ML 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 298 316 EP 424 34.48-.200 1.0
 MORF HN 298 316 ES 425 4.090.180 1.0
 MORF HE 298 316 IAML 425 5.31 14 0.2
 MESJ HZ 321 329 EP 424 37.640.170 1.0
 MESJ HN 321 329 ES 425 8.59-.150 1.0
 MESJ HN 321 329 IAML 425 11.68 13 0.3

July 1 2018 Hour: 8: 4 57.1 Lat: 42.81N Lon: 14.39W Depth: 27F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.2 secs
NORTH ATLANTIC OCEAN Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 761 134 EP 8 6 33.370.180 1.0
 MESJ HN 761 134 ES 8 7 43.29-.050 1.0
 MESJ HN 761 134 IAML 8 7 46.69 3 0.2
 MORF HZ 783 139 EP 8 6 35.54-.260 1.0
 MORF HN 783 139 ES 8 7 47.980.130 1.0
 MORF HN 783 139 IAML 8 7 52.89 13 0.2

July 1 2018 Hour: 8:20 15.7 Lat: 63.04N Lon: 150.74W Depth: 118F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.0 secs
CENTRAL ALASKA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF BZ 8382 30 EP 831 46.48-.020 1.0
 MORF BZ 8382 30 IAMB 831 47.20 21 1.1

July 1 2018 Hour: 11:11 53.7 Lat: 36.62N Lon: 7.56W Depth: 20F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 147 337 EP 1112 15.44-.120 1.0
 MESJ HE 147 337 ES 1112 31.640.120 1.0
 MESJ HN 147 337 IAML 1112 33.08 2 0.1

July 1 2018 Hour: 20:45 42.4 Lat: 46.93N Lon: 145.00E Depth: 388F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs
SEA OF OKHOTSK Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ10253 339 EP 2058 8.86-.020 1.0
 MESJ BZ10253 339 IAMB 2058 9.79 8 0.9

July 2 2018 Hour: 0: 7 54.4 Lat: 38.02N Lon: 8.57W Depth: 18F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs
E SANTIAGO DO CACEM, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 37 123 EP 0 8 0.75-.140 1.0
 MESJ HE 37 123 ES 0 8 5.620.010 1.0
 MESJ HE 37 123 IAML 0 8 6.17 102 0.1
 MORF HZ 80 185 EP 0 8 7.400.140 1.0
 MORF HN 80 185 ES 0 8 16.62-.010 1.0

MORF HE 80 185 IAML 0 8 18.10 249 0.1

**July 2 2018 Hour: 11:44 8.2 Lat: 37.32N Lon: 8.40W Depth: 17F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.2 secs**

E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	23	266	EP		1144	12.31	-.380							1.0
MORF	HE	23	266	ES		1144	16.130	.150							1.0
MORF	HN	23	266	IAML		1144	16.91			181	0.1				
MESJ	HZ	60	15	EP		1144	18.060	.080							1.0
MESJ	HE	60	15	ES		1144	25.290	.150							1.0
MESJ	HN	60	15	IAML		1144	26.41			50	0.1				

**July 3 2018 Hour: 1:50 5.3 Lat: 8.04N Lon: 38.04W Depth: 10F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.1 secs**

CENTRAL MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4394	38	EP		157	35.88	-.090							1.0
MORF	BZ	4394	38	IAMB		157	40.05			19	1.1				
MESJ	BZ	4462	38	EP		157	41.050	.090							1.0
MESJ	BZ	4462	38	IAMB		157	44.78			35	1.9				

**July 3 2018 Hour: 9:47 24.2 Lat: 37.07N Lon: 5.38W Depth: 11F Agency: IGL Regional
Rms: 0.1 secs**

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	265	290	EP		948	1.600	.110							1.0
MORF	HZ	292	276	EP		948	4.68	-.110							1.0

**July 3 2018 Hour: 10:34 35.4 Lat: 36.86N Lon: 10.65W Depth: 30F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	184	74	EP		1035	1.260	.120							1.0
MORF	HN	184	74	ES		1035	19.81	-.120							1.0
MORF	HN	184	74	IAML		1035	20.45			3	0.2				

**July 3 2018 Hour: 13:51 33.0 Lat: 36.98N Lon: 13.53W Depth: 30F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	435	84	EP		1352	29.63	-.070							1.0
MORF	HN	435	84	ES		1353	11.110	.010							1.0
MORF	HN	435	84	IAML		1353	14.01			31	0.3				
MESJ	HZ	480	77	EP		1352	35.260	.160							1.0
MESJ	HE	480	77	ES		1353	20.36	-.090							1.0
MESJ	HE	480	77	IAML		1353	23.90			5	0.1				

**July 3 2018 Hour: 13:58 46.0 Lat: 37.05N Lon: 13.55W Depth: 31F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	436	85	EP		1359	42.100	.100							1.0
MORF	HN	436	85	ES		14 0	22.980	.120							1.0
MORF	HN	436	85	IAML		14 0	25.78			12	0.2				
MESJ	HZ	480	78	EP		1359	47.19	-.100							1.0
MESJ	HN	480	78	ES		14 0	31.88	-.130							1.0
MESJ	HN	480	78	IAML		14 0	34.71			4	0.2				

July 4 2018 Hour: 3:33 34.2 Lat: 36.41N Lon: 7.87W Depth: 13F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	325	EP		333	53.19	-.050							1.0
MORF	HE	121	325	ES		334	7.15	-.020							1.0
MORF	HE	121	325	IAML		334	8.90		8	0.2					
MESJ	HZ	162	349	EP		333	58.410	.020							1.0
MESJ	HE	162	349	ES		334	16.130	.060							1.0
MESJ	HN	162	349	IAML		334	17.33		5	0.1					

July 4 2018 Hour: 4:57 59.6 Lat: 36.64N Lon: 10.55W Depth: 24F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	184	66	EP		458	25.800	.010							1.0
MORF	HE	184	66	ES		458	44.85	-.020							1.0
MORF	HN	184	66	IAML		458	46.53		9	0.2					
MESJ	HN	246	57	ES		458	58.060	.010							1.0
MESJ	HE	246	57	IAML		458	59.54		2	0.1					

July 4 2018 Hour: 5:54 19.2 Lat: 38.84N Lon: 8.04W Depth: 11F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

NW ARRAIOLOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	112	188	EP		554	37.020	.060							1.0
MESJ	HE	112	188	ES		554	49.84	-.060							1.0
MESJ	HN	112	188	IAML		554	50.67		8	0.1					

July 4 2018 Hour: 7:12 50.4 Lat: 13.16N Lon: 92.52E Depth: 31F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

ANDAMAN ISLANDS, INDIA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10052	309	EP			725	48.570	.010							1.0
MESJ	BZ10052	309	IAMB			725	49.64		15	0.9					
MORF	BZ10106	309	EP			725	50.86	-.010							1.0
MORF	BZ10106	309	IAMB			725	52.58		28	1.2					

July 4 2018 Hour: 9:1 8.6 Lat: 41.49N Lon: 19.53E Depth: 10F Agency: IGL Distant
Magnitudes: 4.9Ms IGL Rms: 0.1 secs

ALBANIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2405	269	EP		9 5	59.100	.170							1.0
MESJ	BN	2405	269	ES		9 9	59.46	-.030							1.0
MESJ	BZ	2405	269	IAMs_20		915	47.29		4021	15.2					
GGNV	BE	2453	272	ES		910	7.86	-.120							1.0
GGNV	BE	2453	272	IAMs_20		916	42.40		6388	14.6					
MORF	BZ	2460	268	EP		9 6	4.470	.150							1.0
MORF	BN	2460	268	ES		910	9.18	-.160							1.0
MORF	BZ	2460	268	IAMs_20		916	11.69		2453	21.4					

July 4 2018 Hour: 9:48 26.8 Lat: 35.80N Lon: 4.80W Depth: 3F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	380	308	EP		949	19.08	-.030							1.0
MESJ	HN	380	308	ES		949	57.340	.020							1.0
MESJ	HN	380	308	IAML		949	58.81		2	0.1					
MORF	HN	383	297	ES		949	58.090	.010							1.0
MORF	HN	383	297	IAML		949	59.79		6	0.2					

July 4 2018 Hour: 20:34 51.8 Lat: 14.54N Lon: 96.47E Depth: 13F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs
ANDAMAN ISLANDS, INDIA REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10285	310		EP		2048	2.550	.010							1.0
MESJ	BZ10285	310		IAMB		2048	8.72			15	1.1				
MORF	BZ10342	310		EP		2048	4.93	-.010							1.0
MORF	BZ10342	310		IAMB		2048	7.53			18	1.2				

July 5 2018 Hour: 1:15 4.0 Lat: 36.24N Lon: 4.50W Depth: 24F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	375	299	EP		1 2	43.920	.090							1.0
MESJ	HN	375	299	ES		1 3	20.340	.130							1.0
MESJ	HN	375	299	IAML		1 3	22.04			18	0.2				
MORF	HZ	389	289	EP		1 2	45.45	-.100							1.0
MORF	HN	389	289	ES		1 3	23.06	-.120							1.0
MORF	HN	389	289	IAML		1 3	26.99			35	0.2				

July 5 2018 Hour: 5:41 50.9 Lat: 36.72N Lon: 7.54W Depth: 25F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	118	304	EP		542	8.71	-.090							1.0
MORF	HN	118	304	ES		542	21.920	.070							1.0
MORF	HN	118	304	IAML		542	22.55			5	0.1				
MESJ	HZ	138	334	EP		542	11.230	.010							1.0
MESJ	HN	138	334	ES		542	26.060	.020							1.0
MESJ	HN	138	334	IAML		542	26.58			1	0.1				

July 5 2018 Hour: 21:43 55.7 Lat: 38.54N Lon: 8.26W Depth: 11F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
SW MONTEMOR-O-NOVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	78	177	EP		2144	8.350	.110							1.0
MESJ	HN	78	177	ES		2144	17.27	-.110							1.0
MESJ	HN	78	177	IAML		2144	19.35			18	0.1				

July 6 2018 Hour: 1:40 8.2 Lat: 51.61N Lon: 157.85E Depth: 80F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs
NEAR EAST COAST OF KAMCHATKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9924	350	EP		152	55.020	.050							1.0
GGNV	BZ	9924	350	EPP		156	27.02	-.080							1.0
GGNV	BN	9924	350	ESKSac		2 3	17.61	-.100							1.0
GGNV	BZ	9924	350	IAMs_20		241	4.04			4413	14.2				
MESJ	BZ10009	349		EP		152	58.650	.090							1.0
MESJ	BZ10009	349		EPP		156	33.240	.060							1.0
MESJ	BN10009	349		ESKSac		2 3	22.13	-.100							1.0
MESJ	BZ10009	349		IAMs_20		241	26.66			3855	17.1				
MORF	BZ10073	349		EP		153	1.380	.070							1.0
MORF	BZ10073	349		EPP		156	37.76	-.060							1.0
MORF	BN10073	349		ESKSac		2 3	25.760	.060							1.0
MORF	BZ10073	349		IAMs_20		229	27.63			4962	24.7				

July 6 2018 Hour: 4:25 12.7 Lat: 37.31N Lon: 7.83W Depth: 7F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs
NE S.BRAS DE ALPORTEL, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	68	330	EP		425	23.67	-.060							1.0
MESJ	HN	68	330	ES		425	31.860	.060							1.0
MESJ	HE	68	330	IAML		425	34.86			7	0.1				

MORF HZ 73 270 EP 425 24.510.000 1.0

July 6 2018 Hour: 15:57 38.7 Lat: 36.54N Lon: 8.99W Depth: 17F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	90	19	EP		1557	52.89	-.180							1.0
MORF	HE	90	19	ES		1558	3.600	.040							1.0
MORF	HN	90	19	IAML		1558	7.48		47	0.3					
MESJ	HE	160	25	ES		1558	19.720	.150							1.0
MESJ	HN	160	25	IAML		1558	26.72		7	0.3					

July 7 2018 Hour: 0:42 37.0 Lat: 37.12N Lon: 4.27W Depth: 11F 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	358	284	EP		043	25.870	.020							1.0

July 7 2018 Hour: 1:16 5.6 Lat: 38.68N Lon: 8.25W Depth: 11F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs
NW MONTEMOR-O-NOVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	93	178	EPg		116	20.74	-.000							1.0
MESJ	HN	93	178	ES		116	31.310	.000							1.0
MESJ	HE	93	178	IAML		116	32.26		12	0.3					

July 7 2018 Hour: 4: 4 14.4 Lat: 37.52N Lon: 7.94W Depth: 16F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.0 secs
E ALMODOVAR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	43	325	EP		4	4	21.750	.020						1.0
MESJ	HE	43	325	ES		4	4	27.04	-.020						1.0
MESJ	HN	43	325	IAML		4	4	29.35		2	0.1				

July 7 2018 Hour: 8: 2 5.5 Lat: 35.78N Lon: 9.97W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs
WEST OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	206	35	EP		8	2	36.570	.050						1.0
MESJ	HZ	276	34	EP		8	2	45.21	-.050						1.0

July 7 2018 Hour: 11:23 49.9 Lat: 35.09N Lon: 140.65E Depth: 39F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs
NEAR EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11331	335	EPdif			1137	38.90	-.180							1.0
MESJ	BZ11331	335	EPP			1141	50.560	.120							1.0
MESJ	BE11331	335	ESS			1156	23.880	.090							1.0
MESJ	BE11331	335	IAMs_20			1213	53.30		3341	51.9					
MORF	BZ11401	335	EPP			1141	55.19	-.030							1.0
MORF	BE11401	335	IAMs_20			1213	52.25		4489	34.8					

July 7 2018 Hour: 21:33 49.6 Lat: 30.61S Lon: 178.02W Depth: 35F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.0 secs
KERMADEC ISLANDS, NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18662	46	EPKpdf			2153	51.620	.050							1.0
GGNV	BZ18662	46	EPP			2158	47.530	.050							1.0
GGNV	BN18662	46	IAMs_20			2310	45.18		13275	75.1					
MESJ	BZ18786	47	EPKpdf			2153	52.420	.050							1.0
MESJ	BZ18786	47	EPP			2158	53.200	.030							1.0
MESJ	BE18786	47	ESS			2219	45.45	-.050							1.0
MESJ	BZ18786	47	IAMs_20			2313	20.60		2568	30.6					
MORF	BZ18790	50	EPKpdf			2153	52.37	-.070							1.0

July 10 2018 Hour: 10:26 21.9 Lat: 31.59S Lon: 58.35E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.0 secs
SOUTHWEST INDIAN RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10320	313	EP			1039	34.41	-.040							1.0
MORF	BZ10320	313	IAMs_20			1122	13.34		913	21.0					
MESJ	BZ10327	313	EP			1039	34.710	.040							1.0
MESJ	BZ10327	313	IAMs_20			1122	52.45		626	17.2					

July 10 2018 Hour: 15:33 21.9 Lat: 0.30N Lon: 122.08E Depth:196FAgency: 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	BZ13424	315	EPKPdf			1551	49.98	-.010							1.0
MORF	BZ13486	315	EPKPdf			1551	51.110	.010							1.0

July 10 2018 Hour: 16: 5 10.1 Lat: 31.60S Lon: 58.13E Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.0 secs
SOUTHWEST INDIAN RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10305	313	EP			1618	22.180	.050							1.0
MORF	BZ10305	313	IAmb			1618	25.27		27	1.1					
MESJ	BZ10312	313	EP			1618	22.34	-.010							1.0
MESJ	BZ10312	313	IAmb			1618	27.51		264	2.5					
MESJ	BE10312	313	ESS			1635	41.50	-.050							1.0

July 10 2018 Hour: 17:50 28.9 Lat: 37.05N Lon: 8.88W Depth: 19F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs
SE VILA DO BISPO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	35	36	EP		1750	35.01	-.210							1.0
MORF	HE	35	36	ES		1750	39.970	.170							1.0
MORF	HN	35	36	IAML		1750	41.35		7	0.1					
MESJ	HE	105	33	ES		1750	57.760	.040							1.0

July 11 2018 Hour: 1:38 37.7 Lat: 37.41N Lon: 9.09W Depth: 30F Agency: IGL Regional
Magnitudes: 1.1ML 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	41	107	EP		138	45.430	.020							1.0
MORF	HN	41	107	ES		138	51.04	-.020							1.0
MORF	HN	41	107	IAML		138	51.46		12	0.2					

July 11 2018 Hour: 4: 6 40.2 Lat: 37.34N Lon: 8.51W Depth: 4F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.2 secs
NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	253	EP		4	6	42.13	-.360						1.0
MORF	HN	13	253	ES		4	6	44.360	.220						1.0
MORF	HE	13	253	IAML		4	6	44.76		30	0.2				
MESJ	HZ	61	25	EP		4	6	50.170	.060						1.0
MESJ	HN	61	25	ES		4	6	57.400	.090						1.0
MESJ	HN	61	25	IAML		4	6	58.77		0.90	0.1				

July 11 2018 Hour: 5:47 21.1 Lat: 2.38S Lon: 14.83W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.1 secs
NORTH OF ASCENSION ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4441	8	EP		554	55.35	-.120							1.0
MORF	BZ	4441	8	IAmb		555	9.26		51	1.6					
MORF	BZ	4441	8	EPP		556	26.960	.090							1.0
MESJ	BZ	4506	8	EP		555	0.16	-.110							1.0
MESJ	BZ	4506	8	IAmb		555	2.57		18	1.2					

MESJ BZ 4506 8 EPP 556 33.280.080 1.0
 GGNV BZ 4589 7 EPP 556 41.310.050 1.0

July 12 2018 Hour: 6:21 17.3 Lat: 36.85N Lon: 9.03W 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	61	34	EP		621	27.44	-.020							1.0
MORF	HN	61	34	ES		621	34.77	-.150							1.0
MORF	HN	61	34	IAML		621	36.42		14	0.1					
MESJ	HZ	131	33	EP		621	36.640	.080							1.0
MESJ	HN	131	33	ES		621	50.750	.100							1.0
MESJ	HE	131	33	IAML		621	52.59		2	0.1					

July 12 2018 Hour: 13:39 34.0 Lat: 37.14N Lon: 9.08W Depth: 27F Agency: IGL Regional
Magnitudes: 1.4ML 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	42	64	EP		1339	41.810	.040							1.0
MORF	HE	42	64	ES		1339	47.39	-.040							1.0
MORF	HN	42	64	IAML		1339	48.35		28	0.3					

July 12 2018 Hour: 17:20 39.1 Lat: 37.11N Lon: 8.80W Depth: 12F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

W LAGOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	25	31	EP		1720	43.67	-.020							1.0
MORF	HN	25	31	ES		1720	47.030	.020							1.0
MORF	HN	25	31	IAML		1720	47.86		6	0.2					

July 12 2018 Hour: 22:34 34.8 Lat: 56.93N Lon: 33.98W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

REYKJANES RIDGE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2843	127	EP		2240	3.96	-.010							1.0
MESJ	BZ	2843	127	IAMB		2240	10.65		22	1.0					
MESJ	BN	2843	127	ES		2244	32.880	.010							1.0

July 13 2018 Hour: 2:22 8.8 Lat: 38.02N Lon: 8.58W Depth: 16F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

E SANTIAGO DO CACEM, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	37	122	EP		222	15.12	-.190							1.0
MESJ	HE	37	122	ES		222	20.070	.030							1.0
MESJ	HE	37	122	IAML		222	20.55		33	0.1					
MORF	HZ	80	185	EP		222	21.800	.170							1.0
MORF	HN	80	185	ES		222	30.97	-.000							1.0
MORF	HE	80	185	IAML		222	32.47		58	0.2					

July 13 2018 Hour: 9:46 48.8 Lat: 18.93S Lon: 169.02E Depth: 169F Agency: IGL Distant
Rms: 0.1 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17829	356	EPK	Pdf		10 6	27.10	-.130							1.0
GGNV	BZ17829	356	EPK	Pab		10 7	9.100	.030							1.0
MESJ	BZ17917	353	EPK	Pdf		10 6	28.10	-.020							1.0
MESJ	BZ17917	353	EPK	Pab		10 7	12.55	-.000							1.0
MESJ	BZ17917	353	EPP			1010	56.070	.090							1.0
MORF	BZ17981	354	EPK	Pdf		10 6	28.890	.100							1.0
MORF	BZ17981	354	EPK	Pab		10 7	15.140	.000							1.0
MORF	BZ17981	354	EPP			1010	59.160	.060							1.0
MORF	BN17981	354	ESS			1031	3.13	-.140							1.0

July 13 2018 Hour: 10: 4 54.7 Lat: 37.31N Lon: 13.87W Depth: 18F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.0 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	463	88	EP		10 5	55.70	-.030							1.0
MORF	HE	463	88	ES		10 6	40.25	-.050							1.0
MORF	HN	463	88	IAML		10 6	43.43		27	0.2					
MESJ	HZ	503	82	EP		10 6	0.580	.020							1.0
MESJ	HE	503	82	ES		10 6	48.710	.060							1.0
MESJ	HN	503	82	IAML		10 6	52.71		13	0.2					

July 13 2018 Hour: 19:43 19.0 Lat: 41.18N Lon: 6.98W Depth: 12F Agency: IGL Regional
Magnitudes: 2.5ML 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	386	196	EP		1944	11.310	.130							1.0
MORF	HZ	454	199	EP		1944	19.48	-.060							1.0
MORF	HN	454	199	ES		1945	3.63	-.090							1.0
MORF	HN	454	199	IAML		1945	6.43		10	0.3					

July 14 2018 Hour: 1:53 12.2 Lat: 37.03N Lon: 8.46W 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	35	331	EP		153	18.26	-.040							1.0
MORF	HN	35	331	ES		153	22.61	-.130							1.0
MORF	HE	35	331	IAML		153	23.89		38	0.1					
MESJ	HZ	92	13	EP		153	27.090	.200							1.0
MESJ	HN	92	13	ES		153	37.58	-.030							1.0
MESJ	HE	92	13	IAML		153	39.59		3	0.1					

July 14 2018 Hour: 2:50 54.6 Lat: 38.70N Lon: 15.80E Depth: 57F Agency: IGL Distant
Magnitudes: 4.4Mb IGL Rms: 0.0 secs

SICILY, ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2098	275	EP		255	10.120	.010							1.0
MESJ	BZ	2098	275	IAMB		255	13.10		39	1.4					

July 14 2018 Hour: 8:32 18.1 Lat: 37.63N Lon: 8.38W Depth: 12F Agency: IGL Regional
Magnitudes: 0.5ML 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	27	31	EP		832	23.010	.080							1.0
MESJ	HN	27	31	ES		832	26.36	-.080							1.0
MESJ	HN	27	31	IAML		832	26.82		7	0.1					

July 14 2018 Hour: 16:49 0.5 Lat: 37.02N Lon: 8.39W Depth: 11F 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	39	324	EP		1649	7.03	-.050							1.0
MORF	HE	39	324	ES		1649	11.960	.070							1.0
MORF	HN	39	324	IAML		1649	13.56		7	0.2					
MESJ	HN	92	9	ES		1649	25.89	-.020							1.0
MESJ	HN	92	9	IAML		1649	27.42		4	0.1					

July 14 2018 Hour: 20:37 32.7 Lat: 36.21N Lon: 7.84W Depth: 23F 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	141	329	EP		2037	53.71	-.140							1.0
MORF	HE	141	329	ES		2038	9.300	.020							1.0
MORF	HE	141	329	IAML		2038	13.19		49	0.1					

MESJ HZ	184	350	EP	2037	59.230.140												1.0
MESJ HE	184	350	ES	2038	18.34-.020												1.0
MESJ HE	184	350	IAML	2038	23.57					17	0.2						

July 14 2018 Hour: 23:11 40.8 Lat: 35.72N Lon: 4.60W Depth: 18F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	400	307	EP		2312	34.280.080								1.0
MESJ	HN	400	307	ES		2313	13.07-.090								1.0
MESJ	HN	400	307	IAML		2313	15.46			20	0.2				
MORF	HZ	403	297	EP		2312	34.51-.180								1.0
MORF	HE	403	297	ES		2313	14.190.190								1.0
MORF	HN	403	297	IAML		2313	15.90			25	0.2				

July 15 2018 Hour: 1:57 17.9 Lat: 14.07N Lon: 51.74E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.0 secs

GULF OF ADEN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6438	306	EP		2	7	9.910.050							1.0
MESJ	BE	6438	306	ES		215	10.33-.030								1.0
MESJ	BN	6438	306	IAMs_20		228	34.13			7867	38.1				
MORF	BN	6469	305	ES		215	14.090.000								1.0
MORF	BN	6469	305	IAMs_20		228	57.12			5540	22.7				
GGNV	BN	6531	307	ES		215	21.17-.020								1.0
GGNV	BN	6531	307	IAMs_20		229	1.41			13457	40.1				

July 15 2018 Hour: 13: 9 16.0 Lat: 13.82N Lon: 51.65E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.0 secs

GULF OF ADEN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	6447	306	EP		1319	8.41-.020								1.0
MESJ	BN	6447	306	ES		1327	9.410.020								1.0
MESJ	BN	6447	306	IAMs_20		1340	55.31			3425	20.5				
MORF	BN	6477	305	ES		1327	13.07-.010								1.0
MORF	BN	6477	305	IAMs_20		1341	15.77			4968	23.6				
GGNV	BN	6540	307	ES		1327	20.290.020								1.0
GGNV	BN	6540	307	IAMs_20		1340	31.70			5946	24.2				

July 15 2018 Hour: 23:50 59.2 Lat: 35.74N Lon: 7.36W Depth: 26F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	209	327	EP		2351	28.03-.150								1.0
MORF	HN	209	327	ES		2351	49.450.080								1.0
MORF	HE	209	327	IAML		2351	50.60			2	0.1				
MESJ	HZ	245	342	EP		2351	32.68-.020								1.0
MESJ	HN	245	342	ES		2351	57.300.100								1.0
MESJ	HE	245	342	IAML		2351	59.48			1	0.1				

July 16 2018 Hour: 2:27 6.6 Lat: 35.71N Lon: 4.60W Depth: 39F Agency: IGL Regional
Magnitudes: 1.9ML 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	401	307	EP		227	58.78-.060								1.0
MESJ	HN	401	307	ES		228	37.040.060								1.0
MESJ	HN	401	307	IAML		228	38.81			3	0.0				

July 16 2018 Hour: 11:50 5.0 Lat: 37.31N Lon: 8.53W Depth: 11F Agency: IGL Regional
 Magnitudes: 0.4ML IGL Rms: 0.1 secs
 E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	267	EP		1150	7.40	-.210							1.0
MORF	HE	11	267	ES		1150	9.630	.150							1.0
MORF	HN	11	267	IAML		1150	10.03			20	0.1				
MESJ	HN	65	25	ES		1150	23.360	.050							1.0
MESJ	HE	65	25	IAML		1150	23.93			1	0.2				

July 16 2018 Hour: 13:29 42.5 Lat: 36.91N Lon: 10.88W Depth: 23F 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	203	77	EP		1330	11.270	.020							1.0
MORF	HN	203	77	ES		1330	32.22	-.020							1.0
MORF	HN	203	77	IAML		1330	35.00			3	0.2				

July 17 2018 Hour: 4:58 45.0 Lat: 36.64N Lon: 7.08W Depth: 20F Agency: IGL Regional
 Magnitudes: 1.8ML IGL Rms: 0.0 secs
 STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	158	298	EP		459	8.310	.020							1.0
MORF	HN	158	298	ES		459	25.310	.060							1.0
MORF	HN	158	298	IAML		459	26.80			14	0.2				
MESJ	HZ	167	323	EP		459	9.33	-.040							1.0
MESJ	HN	167	323	ES		459	27.10	-.030							1.0
MESJ	HN	167	323	IAML		459	30.89			7	0.2				

July 17 2018 Hour: 7: 2 55.3 Lat: 11.69S Lon: 166.33E Depth: 60F Agency: IGL Distant
 Magnitudes: 5.9Ms 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
GGNV	BZ17006	352	EPKp \bar{d} f			722	37.620	.110							1.0
GGNV	BZ17006	352	IAMs_20			831	46.04			2366	23.2				
MESJ	BZ17086	350	EPKp \bar{d} f			722	38.57	-.010							1.0
MESJ	BZ17086	350	EPP			726	33.63	-.010							1.0
MESJ	BZ17086	350	IAMs_20			831	42.19			2279	18.0				
MORF	BZ17152	351	EPKp \bar{d} f			722	39.43	-.050							1.0
MORF	BZ17152	351	EPP			726	37.00	-.030							1.0
MORF	BZ17152	351	IAMs_20			834	26.67			1473	20.6				

July 17 2018 Hour: 8:54 43.5 Lat: 18.53N Lon: 103.19W Depth: 51F Agency: IGL Distant
 Magnitudes: 5.3Mb IGL Rms: 0.1 secs
 MICHOACAN, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9179	53	EP		9 7	0.78	-.100							1.0
MORF	BZ	9179	53	IAMB		9 7	2.72			52	1.6				
MESJ	BZ	9198	53	EP		9 7	1.800	.100							1.0
MESJ	BZ	9198	53	IAMB		9 7	3.93			30	1.1				

July 17 2018 Hour: 9:35 36.0 Lat: 36.76N Lon: 7.47W Depth: 29F Agency: IGL Regional
 Magnitudes: 1.7ML IGL Rms: 0.1 secs
 STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	122	300	EP		935	54.01	-.030							1.0
MORF	HN	122	300	ES		936	7.02	-.210							1.0
MORF	HN	122	300	IAML		936	7.83			22	0.1				
MESJ	HZ	138	331	EP		935	56.050	.090							1.0
MESJ	HN	138	331	ES		936	10.710	.160							1.0
MESJ	HN	138	331	IAML		936	12.73			6	0.2				

July 18 2018 Hour: 18:26 59.9 Lat: 36.56N Lon: 9.81W Depth: 16F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	132	51	EP		1827	20.280	.020							1.0
MORF	HN	132	51	ES		1827	35.02	-.080							1.0
MORF	HN	132	51	IAML		1827	36.35			12	0.1				
MESJ	HZ	200	44	EP		1827	28.65	-.040							1.0
MESJ	HN	200	44	ES		1827	49.800	.120							1.0
MESJ	HN	200	44	IAML		1827	52.72			3	0.1				

July 18 2018 Hour: 19: 6 4.5 Lat: 54.40N Lon: 160.72W Depth: 28F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.1 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9340	22	EP		1918	32.130	.080							1.0
GGNV	BN	9340	22	IAMs_20		1953	41.88			3332	22.7				
MESJ	BZ	9456	22	EP		1918	37.31	-.040							1.0
MESJ	BZ	9456	22	IAMs_20		1953	24.23			2068	24.1				
MORF	BZ	9502	22	EP		1918	39.47	-.040							1.0
MORF	BZ	9502	22	IAMs_20		1954	32.88			2633	24.0				

July 19 2018 Hour: 13:31 53.6 Lat: 17.81N Lon: 97.78W Depth: 55F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.1 secs

OAXACA, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8685	53	EP		1343	46.57	-.010							1.0
GGNV	BZ	8685	53	IAMs_20		1414	31.44			2198	25.1				
MORF	BZ	8764	54	EP		1343	50.54	-.050							1.0
MORF	BN	8764	54	ES		1353	44.710	.100							1.0
MORF	BE	8764	54	IAMs_20		1411	2.18			2276	31.0				
MESJ	BZ	8787	54	EP		1343	51.58	-.080							1.0
MESJ	BN	8787	54	ES		1353	46.740	.040							1.0
MESJ	BZ	8787	54	IAMs_20		14 9	25.66			1840	39.5				

July 19 2018 Hour: 14:16 27.0 Lat: 54.48N Lon: 160.90W Depth: 17F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9336	22	EP		1428	56.160	.110							1.0
GGNV	BN	9336	22	IAMs_20		15 3	45.40			7595	30.6				
MESJ	BZ	9452	21	EP		1429	1.18	-.170							1.0
MESJ	BZ	9452	21	IAMs_20		15 3	47.47			5431	27.2				
MORF	BZ	9498	22	EP		1429	3.51	-.000							1.0
MORF	BN	9498	22	ESKSac		1439	27.780	.060							1.0
MORF	BZ	9498	22	IAMs_20		15 4	58.24			5896	22.9				

July 19 2018 Hour: 16:48 43.9 Lat: 35.76N Lon: 4.83W Depth: 11F Agency: IGL Regional
Magnitudes: 2.7ML 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	380	308	EP		1649	35.500	.060							1.0
MESJ	HN	380	308	ES		1650	13.06	-.030							1.0
MESJ	HN	380	308	IAML		1650	16.62			22	0.3				
MORF	HZ	383	298	EP		1649	35.69	-.060							1.0
MORF	HN	383	298	ES		1650	13.660	.030							1.0
MORF	HN	383	298	IAML		1650	17.69			22	0.3				

July 19 2018 Hour: 18:30 32.2 Lat: 6.15S Lon: 148.69E Depth: 31F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.0 secs

NEW BRITAIN REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ15819	330		EPKp \bar{d} f		1850	0.60	-.050							1.0
MESJ	BZ15819	330		EPP		1853	7.140	.020							1.0
MESJ	BZ15819	330		IAMs_20		1956	40.02			3181	24.4				
MORF	BZ15889	330		EPKp \bar{d} f		1850	1.850	.040							1.0
MORF	BZ15889	330		EPP		1853	10.99	-.000							1.0
MORF	BZ15889	330		IAMs_20		1955	0.01			4213	28.9				

July 19 2018 Hour: 20:50 2.8 Lat: 37.02N Lon: 8.13W Depth: 30F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	56	304	EP		2050	12.49	-.040							1.0
MORF	HE	56	304	ES		2050	19.680	.040							1.0
MORF	HN	56	304	IAML		2050	19.94			18	0.2				

July 20 2018 Hour: 10:24 56.6 Lat: 28.07S Lon: 63.25W Depth:588F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.1 secs

SANTIAGO DEL ESTERO, ARGENTINA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	9208	41	EP		1036	19.84	-.100							1.0
MORF	BZ	9208	41	IAMB		1036	21.71			204	1.7				
MESJ	BZ	9276	41	EP		1036	23.000	.060							1.0
MESJ	BZ	9276	41	IAMB		1036	23.99			137	1.1				
GGNV	BZ	9284	40	EP		1036	23.290	.040							1.0
GGNV	BZ	9284	40	IAMB		1036	24.30			170	1.2				

July 20 2018 Hour: 23:56 0.0 Lat: 18.47N Lon: 146.00E Depth:126F Agency: IGL Distant
Magnitudes: 0.0Ms IGL Rms: 0.0 secs

PAGAN REGION, N. MARIANA ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13239	337		EPP		2415	54.480	.030							1.0

July 21 2018 Hour: 0: 6 39.4 Lat: 35.62N Lon: 3.77W Depth: 30F Agency: IGL Regional
Magnitudes: 0.0Ms 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	468	303	EP		0	7	40.08	-.030						1.0

July 21 2018 Hour: 7:58 38.8 Lat: 54.43N Lon: 160.89W Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.1 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9457	21	EP		811	14.49	-.110							1.0
MESJ	BN	9457	21	ESKSac		821	39.170	.040							1.0
MESJ	BZ	9457	21	IAMs_20		845	59.13			878	26.4				
MORF	BZ	9503	22	EP		811	16.820	.060							1.0
MORF	BE	9503	22	ESKSac		821	41.920	.010							1.0
MORF	BZ	9503	22	IAMs_20		846	48.80			982	21.5				

July 21 2018 Hour: 14:39 3.7 Lat: 22.32S Lon: 68.54W Depth:103F Agency: IGL Distant
Magnitudes: 4.8Mb 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	9168	44	EP		1451	14.46	-.000							1.0
MESJ	BZ	9168	44	IAMB		1451	15.94			15	1.0				

July 22 2018 Hour: 5: 7 2.8 Lat: 27.70N Lon: 54.90E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs
SOUTHERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5911	298	EP		516	20.74	-.030							1.0
MESJ	BZ	5911	298	IAmb		516	22.25			19	0.7				
MESJ	BE	5911	298	ES		523	52.250	.030							1.0

July 22 2018 Hour: 10: 7 26.3 Lat: 34.64N Lon: 46.18E Depth: 6F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.1 secs
WESTERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4835	291	EP		1015	30.17	-.050							1.0
MESJ	BZ	4835	291	IAmb		1015	34.66			273	1.3				
MESJ	BN	4835	291	ES		1022	0.250	.130							1.0
MORF	BZ	4886	290	EP		1015	33.89	-.080							1.0
MORF	BZ	4886	290	IAmb		1015	39.04			497	1.7				
MORF	BN	4886	290	ES		1022	6.88	-.030							1.0
GGNV	BZ	4892	292	EP		1015	34.380	.010							1.0
GGNV	BZ	4892	292	IAmb		1015	41.10			693	1.3				
GGNV	BN	4892	292	ES		1022	7.660	.020							1.0

July 22 2018 Hour: 12:39 40.6 Lat: 17.56N Lon: 94.51W Depth:137F Agency: IGL Distant
Magnitudes: 4.6Mb IGL Rms: 0.1 secs
VERA CRUZ, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8497	55	EP		1251	15.020	.110							1.0
MORF	BZ	8497	55	IAmb		1251	15.82			12	0.8				
MESJ	BZ	8523	54	EP		1251	16.03	-.110							1.0
MESJ	BZ	8523	54	IAmb		1251	16.48			8	0.7				

July 22 2018 Hour: 20:39 17.5 Lat: 30.42N Lon: 57.43E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Mb IGL Rms: 0.0 secs
EASTERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	5991	297	EP		2048	40.810	.030							1.0
MESJ	BZ	5991	297	IAmb		2048	45.56			63	1.5				
MESJ	BE	5991	297	ES		2056	16.70	-.020							1.0
MORF	BZ	6042	296	EP		2048	44.230	.050							1.0
MORF	BZ	6042	296	IAmb		2048	50.95			45	1.3				
GGNV	BZ	6048	298	EP		2048	44.46	-.060							1.0
GGNV	BZ	6048	298	IAmb		2048	46.84			53	0.8				

July 22 2018 Hour: 23:36 27.5 Lat: 37.31N Lon: 8.57W Depth: 13F 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	7	265	EP		2336	29.96	-.050							1.0
MORF	HE	7	265	ES		2336	31.75	-.070							1.0
MORF	HE	7	265	IAML		2336	31.92			18	0.1				
MESJ	HN	66	28	ES		2336	46.230	.120							1.0
MESJ	HE	66	28	IAML		2336	46.85			0.80	0.2				

July 23 2018 Hour: 3:27 44.0 Lat: 36.82N Lon: 11.16W Depth: 40F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	229	76	EP		328	15.370	.040							1.0
MORF	HE	229	76	ES		328	38.17	-.010							1.0
MORF	HN	229	76	IAML		328	40.82			415	0.4				
GGNV	HE	275	39	ES		328	47.940	.030							1.0
GGNV	HE	275	39	IAML		328	51.79			191	0.3				
MESJ	HZ	284	66	EP		328	21.97	-.110							1.0

MESJ HN 284 66 ES 328 49.920.060 1.0
 MESJ HE 284 66 IAML 328 51.26 26 0.1

**July 23 2018 Hour: 10:35 59.8 Lat: 0.35S Lon: 19.23W Depth: 10F Agency: IGL Distant
 Magnitudes: 5.7Ms IGL Rms: 0.1 secs**

CENTRAL MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	4311	14	EP		1043	24.24	-.070							1.0
MORF	BZ	4311	14	EPP		1044	52.69	-.020							1.0
MORF	BE	4311	14	ES		1049	22.540	.020							1.0
MORF	BZ	4311	14	IAMs_20		1058	22.29		7926	15.4					1.0
MESJ	BZ	4379	14	EP		1043	29.29	-.090							1.0
MESJ	BZ	4379	14	EPP		1044	59.510	.150							1.0
MESJ	BN	4379	14	ES		1049	31.690	.040							1.0
MESJ	BZ	4379	14	IAMs_20		1059	10.81		7758	20.1					1.0
GGNV	BZ	4449	12	EP		1043	34.600	.010							1.0
GGNV	BN	4449	12	ES		1049	41.00	-.020							1.0
GGNV	BZ	4449	12	IAMs_20		1059	24.55		14025	19.5					1.0

**July 23 2018 Hour: 18:36 28.5 Lat: 36.83N Lon: 9.19W Depth: 26F Agency: IGL Regional
 Magnitudes: 2.1ML 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	72	42	EP		1836	40.330	.090							1.0
MORF	HE	72	42	ES		1836	48.790	.010							1.0
MORF	HN	72	42	IAML		1836	49.52		107	0.2					1.0
MESJ	HZ	142	37	EP		1836	49.00	-.210							1.0
MESJ	HN	142	37	ES		1837	4.410	.110							1.0
MESJ	HN	142	37	IAML		1837	6.25		14	0.2					1.0

**July 23 2018 Hour: 22:37 22.7 Lat: 35.58N Lon: 9.93W Depth: 31F Agency: IGL Regional
 Magnitudes: 2.5ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	223	31	EP		2237	52.39	-.090							1.0
MORF	HN	223	31	ES		2238	14.230	.030							1.0
MORF	HE	223	31	IAML		2238	15.41		52	0.2					1.0
MESJ	HZ	294	31	EP		2238	1.11	-.110							1.0
MESJ	HE	294	31	ES		2238	29.490	.170							1.0
MESJ	HN	294	31	IAML		2238	32.04		12	0.2					1.0

**July 24 2018 Hour: 14:44 52.6 Lat: 41.80N Lon: 126.86W Depth: 10F Agency: IGL Distant
 Magnitudes: 5.1Ms IGL Rms: 0.0 secs**

OFF COAST OF NORTHERN CALIFORNIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	9226	44	EP		1457	18.060	.040							1.0
MESJ	BE	9226	44	ES		15 7	37.75	-.020							1.0
MESJ	BZ	9226	44	IAMs_20		1533	16.45		1149	22.5					1.0
MORF	BZ	9245	45	EP		1457	18.96	-.020							1.0
MORF	BE	9245	45	IAMs_20		1531	14.71		2317	62.6					1.0

**July 25 2018 Hour: 0:12 8.6 Lat: 37.34N Lon: 8.46W Depth: 8F Agency: IGL Regional
 Magnitudes: 1.0ML IGL Rms: 0.1 secs**

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	18	257	EP		012	11.57	-.180							1.0
MORF	HN	18	257	ES		012	14.120	.080							1.0
MORF	HE	18	257	IAML		012	14.42		39	0.2					1.0
MESJ	HZ	59	21	EP		012	18.370	.100							1.0

July 25 2018 Hour: 19:45 7.2 Lat: 56.06S Lon: 27.65W Depth:121F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs
SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10484	15	EP			1958	12.18	-.010							1.0
MORF	BZ10484	15	I Amb			1958	13.02			34	1.4				
MESJ	BZ10549	15	EP			1958	14.82	0.010							1.0
MESJ	BZ10549	15	I Amb			1958	16.18			9	0.6				

July 26 2018 Hour: 8:17 49.6 Lat: 37.74N Lon: 26.72E Depth: 1F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs
DODECANESE ISLANDS, GREECE Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3060	281	EP		823	37.74	-.010							1.0
MESJ	BZ	3060	281	I Amb		823	39.61			12	0.9				

July 27 2018 Hour: 0:32 7.7 Lat: 36.43N Lon: 7.56W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	138	315	EP		032	26.73	-.060							1.0
MESJ	HZ	167	340	EP		032	30.43	0.000							1.0
MESJ	HE	167	340	ES		032	47.11	0.060							1.0
MESJ	HN	167	340	I AML		032	50.70			11	0.1				

July 27 2018 Hour: 3:12 5.2 Lat: 37.32N Lon: 8.56W Depth: 13F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs
NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HN	8	258	ES		312	9.53	-.060							1.0
MORF	HN	8	258	I AML		312	9.76			16	0.2				
MESJ	HZ	65	27	EP		312	15.80	0.110							1.0
MESJ	HN	65	27	ES		312	23.32	-.050							1.0
MESJ	HN	65	27	I AML		312	24.90			3	0.1				

July 27 2018 Hour: 8:22 4.8 Lat: 37.35N Lon: 8.48W Depth: 8F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.2 secs
NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	16	252	EP		822	7.55	-.240							1.0
MORF	HN	16	252	ES		822	10.01	0.070							1.0
MORF	HN	16	252	I AML		822	10.50			101	0.2				
MESJ	HZ	59	23	EP		822	14.63	0.180							1.0

July 27 2018 Hour: 20:42 1.3 Lat: 12.69N Lon: 88.19W Depth: 48F Agency: IGL Distant
Magnitudes: 4.5Mb IGL Rms: 0.0 secs
OFFSHORE EL SALVADOR Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	8288	54	EP		2053	34.79	0.010							1.0
MESJ	BZ	8288	54	I Amb		2053	37.02			6	0.9				

July 28 2018 Hour: 9:28 19.7 Lat: 29.98S Lon: 177.44W Depth: 35F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs
KERMADEC ISLANDS, NEW ZEALAND Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18698	46	EPKpdf			948	21.87	-.030							1.0
MESJ	BZ18698	46	EPP			953	19.31	0.110							1.0
MESJ	BZ18698	46	I AMs_20		11	0	41.98			971	22.5				
MORF	BZ18702	49	EPKpdf			948	21.87	-.110							1.0
MORF	BZ18702	49	EPP			953	19.48	0.030							1.0
MORF	BZ18702	49	I AMs_20		11	6	45.51			1018	14.0				

July 28 2018 Hour: 9:45 37.6 Lat: 37.31N Lon: 8.55W Depth: 13F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.2 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	9	266	EP		945	39.99	-.280							1.0
MORF	HN	9	266	ES		945	42.400	.210							1.0
MORF	HN	9	266	IAML		945	42.93			37	0.1				
MESJ	HZ	66	26	EP		945	48.400	.130							1.0
MESJ	HN	66	26	ES		945	55.97	-.050							1.0
MESJ	HN	66	26	IAML		945	56.40			1.00	0.1				

July 28 2018 Hour: 17:7 24.4 Lat: 7.15S Lon: 122.75E Depth: 579F Agency: IGL Distant
Rms: 0.1 secs

FLORES SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ14048	312	EPK	Pdf		1725	21.520	.070							1.0
MORF	BZ14106	312	EPK	Pdf		1725	22.42	-.070							1.0

July 28 2018 Hour: 18:9 42.2 Lat: 36.32N Lon: 8.17W Depth: 8F 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	117	339	EP		1810	0.950	.010							1.0
MESJ	HZ	169	359	EP		1810	7.78	-.050							1.0
MESJ	HN	169	359	ES		1810	26.560	.040							1.0
MESJ	HN	169	359	IAML		1810	26.96			3	0.1				

July 28 2018 Hour: 22:47 37.1 Lat: 8.27S Lon: 116.49E Depth: 6F Agency: IGL Distant
Magnitudes: 6.5Ms IGL Rms: 0.1 secs

LOMBOK REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13607	310	EPK	Pdf		23 6	32.60	-.070							1.0
MESJ	BZ13607	310	IAMs	20		2412	25.83			10552	23.5				
GGNV	BZ13657	311	EPK	Pdf		23 6	33.510	.010							1.0
GGNV	BZ13657	311	IAMs	20		24 8	57.95			9395	13.6				
MORF	BZ13660	309	EPK	Pdf		23 6	33.700	.070							1.0
MORF	BE13660	309	IAMs	20		24 5	13.58			13689	26.8				

July 30 2018 Hour: 4:51 51.5 Lat: 37.33N Lon: 8.49W Depth: 13F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	259	EP		451	54.57	-.130							1.0
MORF	HN	15	259	ES		451	57.03	-.010							1.0
MORF	HN	15	259	IAML		451	57.54			42	0.2				
MESJ	HZ	61	23	EP		452	1.610	.140							1.0

July 30 2018 Hour: 4:54 37.9 Lat: 35.92N Lon: 4.54W Depth: 12F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	391	304	EP		455	30.68	-.040							1.0
MESJ	HN	391	304	ES		456	9.430	.190							1.0
MESJ	HN	391	304	IAML		456	10.86			6	0.3				
MORF	HZ	398	294	EP		455	31.54	-.150							1.0

July 30 2018 Hour: 7:46 42.7 Lat: 9.77S Lon: 150.83E Depth: 10F Agency: IGL Distant
Rms: 0.0 secs

EASTERN NEW GUINEA REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ16257	331	EPK	P		8 6	23.350	.010							1.0
MESJ	BZ16283	329	EPK	P		8 6	24.310	.020							1.0
MORF	BZ16353	329	EPK	P		8 6	26.81	-.020							1.0

July 30 2018 Hour: 14:46 34.7 Lat: 37.04N Lon: 9.14W Depth: 29F 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	52	56	EP		1446	43.890	.050							1.0
MESJ	HZ	120	42	EP		1446	52.32	-.180							1.0
MESJ	HE	120	42	ES		1447	5.650	.130							1.0
MESJ	HN	120	42	IAML		1447	6.49			4	0.1				

July 30 2018 Hour: 17:46 45.0 Lat: 36.86N Lon: 7.24W Depth: 30F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	139	322	EP		1747	5.080	.020							1.0

July 30 2018 Hour: 23:27 34.0 Lat: 36.48N Lon: 8.08W Depth: 8F 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	105	331	EP		2327	50.850	.110							1.0
MESJ	HZ	151	355	EP		2327	57.30	-.100							1.0
MESJ	HN	151	355	ES		2328	14.51	-.010							1.0
MESJ	HE	151	355	IAML		2328	14.85			2	0.2				

July 31 2018 Hour: 8:42 20.0 Lat: 37.18N Lon: 141.17E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.0 secs
NEAR EAST COAST OF HONSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11138	336	EPP			9 0	11.600	.010							1.0
MESJ	BZ11138	336	IAMs_20			943	4.82			1597	21.8				

July 31 2018 Hour: 22:33 35.0 Lat: 37.30N Lon: 8.56W Depth: 9F Agency: IGL Regional
Magnitudes: 0.2ML IGL Rms: 0.1 secs
S MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	273	EP		2233	37.00	-.060							1.0
MORF	HN	8	273	ES		2233	38.610	.060							1.0
MORF	HN	8	273	IAML		2233	38.91			12	0.0				

August 1 2018 Hour: 23:18 47.6 Lat: 36.65N Lon: 9.80W Depth: 10F 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	125	54	EP		2319	7.400	.020							1.0
MORF	HN	125	54	ES		2319	21.960	.130							1.0
MORF	HN	125	54	IAML		2319	22.66			6	0.1				
MESJ	HZ	193	46	EP		2319	15.81	-.130							1.0
MESJ	HN	193	46	ES		2319	36.62	-.020							1.0
MESJ	HN	193	46	IAML		2319	36.89			0.80	0.2				

August 2 2018 Hour: 13:1 38.5 Lat: 37.32N Lon: 8.53W Depth: 10F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.2 secs
E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	11	261	EP		13 1	40.77	-.210							1.0
MORF	HN	11	261	ES		13 1	42.980	.200							1.0
MORF	HN	11	261	IAML		13 1	43.43			23	0.1				
MESJ	HZ	64	25	EP		13 1	49.050	.100							1.0
MESJ	HN	64	25	ES		13 1	56.48	-.080							1.0
MESJ	HN	64	25	IAML		13 1	57.38			4	0.2				

August 2 2018 Hour: 13:121.9 Lat: 34.87S Lon: 178.59W Depth: 9F Agency: IGL Distant
Rms: 0.0 secs
SOUTH OF KERMADEC ISLANDS Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ19091 66 EPP 1326 43.460.010 1.0

August 2 2018 Hour: 17:335.9 Lat: 36.54N Lon: 4.74W Depth: 73F Agency: IGL Regional
Magnitudes: 1.8ML IGL
SPAIN Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 341 296 EP 17 4 20.63-.070 1.0
 MESJ HN 341 296 ES 17 4 53.490.070 1.0
 MESJ HN 341 296 IAML 17 4 56.07 3 0.2

August 3 2018 Hour: 1:3421.8 Lat: 34.94N Lon: 92.18E Depth: 13F Agency: IGL Distant
Magnitudes: 5.6Mb IGL
SOUTHERN QINGHAI, CHINA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ 8524 307 EP 146 12.58-.010 1.0
 MESJ BZ 8524 307 IAMB 146 13.25 48 0.9

August 3 2018 Hour: 3:2356.6 Lat: 36.62N Lon: 7.09W Depth: 7F Agency: IGL Regional
Magnitudes: 1.2ML IGL
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 168 324 EP 324 22.26-.010 1.0
 MESJ HN 168 324 ES 324 41.020.010 1.0
 MESJ HN 168 324 IAML 324 42.33 3 0.1

August 3 2018 Hour: 4:828.7 Lat: 38.39N Lon: 7.97W Depth: 10F Agency: IGL Regional
Magnitudes: 1.9ML IGL
NE VIANA DO ALENTEJO, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 65 200 EP 4 8 39.22-.100 1.0
 MESJ HN 65 200 ES 4 8 47.140.080 1.0
 MESJ HN 65 200 IAML 4 8 47.26 19 0.1
 MORF HZ 135 207 EP 4 8 49.960.050 1.0
 MORF HE 135 207 ESg 4 9 6.38-.030 1.0
 MORF HN 135 207 IAML 4 9 7.69 41 0.2

August 3 2018 Hour: 18:5054.8 Lat: 0.91S Lon: 21.98W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Ms IGL
CENTRAL MID-ATLANTIC RIDGE Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF BZ 4450 17 EP 1858 29.810.010 1.0
 MORF BZ 4450 17 EPP 19 0 1.540.120 1.0
 MORF BN 4450 17 ES 19 4 36.32-.050 1.0
 MORF BN 4450 17 IAMS_20 1914 29.65 3516 29.4
 MESJ BZ 4519 17 EP 1858 34.87-.040 1.0
 MESJ BZ 4519 17 EPP 19 0 8.200.050 1.0
 MESJ BN 4519 17 ES 19 4 45.580.000 1.0
 MESJ BN 4519 17 IAMS_20 1917 3.88 1085 13.9
 GGNV BN 4582 15 ES 19 4 53.81-.090 1.0
 GGNV BZ 4582 15 IAMS_20 1917 40.99 1327 10.2

August 4 2018 Hour: 4:481.7 Lat: 37.94N Lon: 8.45W Depth: 10F Agency: IGL Regional
Rms: 0.0 secs
SE SANTIAGO DO CACEM, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 23 119 EP 448 5.76-.010 1.0
 MESJ HE 23 119 ES 448 8.750.010 1.0
 MESJ HE 23 119 IAML 448 8.98 3 0.1

August 4 2018 Hour: 5:46 3.1 Lat: 13.27N Lon: 90.80W Depth: 38F Agency: IGL Distant
Magnitudes: 4.6Ms IGL Rms: 0.0 secs
OFFSHORE GUATEMALA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ 8479 54 EP 557 47.52-.020 1.0
 MESJ BZ 8479 54 IAMS_20 629 33.86 264 17.7

August 4 2018 Hour: 10:27 9.3 Lat: 13.26N Lon: 90.79W Depth: 35F Agency: IGL Distant
Magnitudes: 4.7Ms IGL Rms: 0.0 secs
OFFSHORE GUATEMALA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ 8479 54 EP 1038 54.190.050 1.0
 MESJ BZ 8479 54 IAMS_20 1112 32.14 301 15.1

August 4 2018 Hour: 19:22 27.2 Lat: 37.32N Lon: 8.55W Depth: 13F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs
NE MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 9 259 EP 1922 29.80-.030 1.0
 MORF HE 9 259 ES 1922 31.850.090 1.0
 MORF HE 9 259 IAML 1922 32.62 69 0.1
 MESJ HE 65 27 ES 1922 45.24-.070 1.0
 MESJ HN 65 27 IAML 1922 46.37 2 0.1

August 5 2018 Hour: 9:24 49.9 Lat: 37.43N Lon: 9.05W Depth: 28F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.2 secs
NW ALJEZUR, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 38 111 EP 9 2 57.19 0.01 1.0
 MORF HE 38 111 ES 9 3 2.75 0.25 1.0
 MORF HE 38 111 IAML 9 3 3.21 593 0.1
 MESJ HZ 86 58 EP 9 3 3.24-0.31 1.0
 MESJ HE 86 58 ES 9 3 13.55 0.03 1.0
 MESJ HN 86 58 IAML 9 3 17.29 30 0.1

August 5 2018 Hour: 11:46 36.7 Lat: 8.29S Lon: 116.45E Depth: 31F Agency: IGL Distant
Magnitudes: 6.8Ms IGL Rms: 0.1 secs
LOMBOK REGION, INDONESIA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ13605 310 EPKp \bar{d} f 12 5 28.260.030 1.0
 MESJ BZ13605 310 EPP 12 7 3.840.050 1.0
 MESJ BZ13605 310 IAMS_20 13 4 0.85 15386 20.0
 GGNV BZ13656 311 EPKp \bar{d} f 12 5 29.110.040 1.0
 GGNV BZ13656 311 EPP 12 7 6.900.060 1.0
 GGNV BE13656 311 IAMS_20 13 1 38.32 28836 26.4
 MORF BZ13658 309 EPKp \bar{d} f 12 5 29.10-.100 1.0
 MORF BZ13658 309 EPP 12 7 6.97-.100 1.0
 MORF BZ13658 309 IAMS_20 13 7 25.43 25093 20.9

August 5 2018 Hour: 17:35 0.6 Lat: 37.30N Lon: 8.58W Depth: 11F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs
SW MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 6 274 EP 1735 2.70-.010 1.0
 MORF HE 6 274 ES 1735 4.270.010 1.0
 MORF HN 6 274 IAML 1735 4.48 37 0.2

August 5 2018 Hour: 20: 8 11.9 Lat: 37.74N Lon: 4.65W Depth: 8F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	315	273	EP		20	8	55.760	.100						1.0
MESJ	HE	315	273	ESg		20	9	39.70	-.110						1.0
MESJ	HN	315	273	IAML		20	9	42.55		24	0.5				
MORF	HZ	357	263	EP		20	9	0.97	-.000						1.0
MORF	HN	357	263	ESg		20	9	51.680	.020						1.0
MORF	HN	357	263	IAML		20	9	56.79		60	0.4				

August 6 2018 Hour: 0:35 27.9 Lat: 37.68N Lon: 8.72W Depth: 21F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NW ODEMIRA, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	42	172	EP		035	35.18	-.150							1.0
MORF	HE	42	172	ES		035	40.69	-.060							1.0
MORF	HE	42	172	IAML		035	40.94			4	0.1				
MESJ	HZ	48	68	EP		035	36.200	.140							1.0
MESJ	HN	48	68	ES		035	42.080	.070							1.0
MESJ	HE	48	68	IAML		035	44.28			1	0.1				

August 6 2018 Hour: 1:26 45.1 Lat: 37.99N Lon: 8.28W Depth: 1 Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

SW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	18	162	EP		126	47.95	-.000							1.0
MESJ	HE	18	162	ES		126	50.030	.000							1.0
MESJ	HE	18	162	IAML		126	50.37			44	0.2				

August 6 2018 Hour: 5: 7 39.1 Lat: 37.26N Lon: 8.44W Depth: 7F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

N SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	20	285	EP		5	7	42.38	-.050						1.0
MORF	HN	20	285	ES		5	7	44.900	.010						1.0
MORF	HN	20	285	IAML		5	7	45.93		29	0.3				
MESJ	HZ	67	17	EP		5	7	50.000	.040						1.0

August 6 2018 Hour: 6:13 31.2 Lat: 41.66N Lon: 8.46W Depth: 7F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

NW VILA VERDE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	425	177	EP		614	28.67	-.050							1.0
MESJ	HN	425	177	ES		615	10.800	.110							1.0
MESJ	HN	425	177	IAML		615	18.61			24	0.7				
MORF	HZ	484	182	EP		614	35.83	-.100							1.0
MORF	HN	484	182	ES		615	23.190	.040							1.0
MORF	HN	484	182	IAML		615	29.59			17	0.3				

August 6 2018 Hour: 6:40 26.6 Lat: 41.68N Lon: 8.43W Depth: 12F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

NE VILA VERDE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	427	178	EP		641	24.050	.200							1.0
MESJ	HE	427	178	ES		642	5.43	-.180							1.0
MESJ	HN	427	178	IAML		642	8.79			4	0.5				
MORF	HZ	486	182	EP		641	31.110	.030							1.0
MORF	HE	486	182	ES		642	18.06	-.060							1.0
MORF	HN	486	182	IAML		642	19.26			4	0.2				

August 6 2018 Hour: 9:38 4.1 Lat: 38.50N Lon: 8.24W Depth: 12F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

S MONTEMOR-O-NOVO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	73	179	EPg		938	16.150	.050							1.0
MESJ	HN	73	179	ES		938	24.39	-.110							1.0
MESJ	HN	73	179	IAML		938	26.05			3	0.1				
MORF	HZ	138	195	EPg		938	26.37	-.020							1.0
MORF	HE	138	195	ESg		938	42.740	.080							1.0
MORF	HE	138	195	IAML		938	43.26			5	0.2				

August 6 2018 Hour: 12:45 45.9 Lat: 36.76N Lon: 7.53W Depth: 27F Agency: IGL Regional
Magnitudes: 1.4ML 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	117	301	EP		1246	3.14	-.340							1.0
MORF	HN	117	301	ES		1246	16.480	.190							1.0
MORF	HN	117	301	IAML		1246	17.50			7	0.1				
MESJ	HZ	135	333	EP		1246	5.810	.150							1.0

August 6 2018 Hour: 15:58 40.0 Lat: 36.48N Lon: 11.26W Depth: 11F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	250	68	EP		1559	15.390	.040							1.0
MORF	HN	250	68	ES		1559	41.02	-.160							1.0
MORF	HN	250	68	IAML		1559	41.69			19	0.1				
MESJ	HZ	309	60	EP		1559	22.770	.060							1.0
MESJ	HE	309	60	ES		1559	53.990	.070							1.0
MESJ	HE	309	60	IAML		1559	54.51			2	0.1				

August 7 2018 Hour: 1:17 1.1 Lat: 36.27N Lon: 7.91W Depth: 16F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	176	351	EP		117	26.880	.020							1.0
MESJ	HN	176	351	ES		117	45.66	-.020							1.0
MESJ	HN	176	351	IAML		117	46.84			3	0.2				

August 7 2018 Hour: 6:34 37.3 Lat: 41.68N Lon: 8.42W Depth: 20F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

NE VILA VERDE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	427	178	EP		635	33.73	-.010							1.0
MESJ	HE	427	178	ES		636	14.970	.010							1.0
MESJ	HE	427	178	IAML		636	15.48			3	0.2				

August 7 2018 Hour: 13:57 9.4 Lat: 74.78N Lon: 8.85E Depth: 2F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.1 secs

GREENLAND SEA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	4120	204	EP		14	4	20.67	-.060						1.0
GGNV	BN	4120	204	IAMs_20		1417	23.28			3985	23.3				
MESJ	BZ	4206	202	EP		14	4	27.21	-.090						1.0
MESJ	BZ	4206	202	EPP		14	5	54.320	.010						1.0
MESJ	BN	4206	202	ES		1410	20.180	.040							1.0
MESJ	BZ	4206	202	IAMs_20		1418	29.04			1767	21.2				
MORF	BZ	4269	203	EP		14	4	32.13	-.050						1.0
MORF	BZ	4269	203	EPP		14	6	0.64	-.000						1.0
MORF	BN	4269	203	ES		1410	29.090	.190							0.9
MORF	BZ	4269	203	IAMs_20		1418	34.69			3337	15.1				

August 7 2018 Hour: 21: 6 26.4 Lat: 37.68N Lon: 8.40W Depth: 24F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.0 secs
NW OURIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	24	42	EP		21	6	31.730							1.0
MESJ	HE	24	42	ES		21	6	35.58							1.0
MESJ	HE	24	42	IAML		21	6	35.79		6	0.1				

August 9 2018 Hour: 7: 0 28.0 Lat: 37.94N Lon: 8.32W Depth: 12F Agency: IGL Regional
Magnitudes: 0.4ML 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	142	EP		7	0	31.160							1.0
MESJ	HN	14	142	ES		7	0	33.14							1.0
MESJ	HN	14	142	IAML		7	0	33.74		11	0.1				

August 9 2018 Hour: 16:53 39.8 Lat: 33.39S Lon: 2.50E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.0 secs
SOUTH ATLANTIC OCEAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7906	351	EP		17	4	58.04							1.0
MORF	BZ	7906	351	IAMs_20		1730		59.65		2672	30.7				
MESJ	BZ	7958	351	EP		17	5	0.830							1.0
MESJ	BN	7958	351	ES		1714		20.40							1.0
MESJ	BZ	7958	351	IAMs_20		1731		27.66		1296	29.1				
GGNV	BZ	8068	350	EP		17	5	6.720							1.0
GGNV	BZ	8068	350	IAMs_20		1731		24.01		2651	33.7				

August 9 2018 Hour: 19:21 53.6 Lat: 13.57N Lon: 91.18W Depth: 29F Agency: IGL Distant
Magnitudes: 5.2Ms IGL Rms: 0.0 secs
OFFSHORE GUATEMALA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8461	55	EP		1933		38.470							1.0
MORF	BE	8461	55	ES		1943		20.54							1.0
MORF	BZ	8461	55	IAMs_20		20	6	55.75		1467	21.9				
MESJ	BZ	8493	54	EP		1933		40.010							1.0
MESJ	BZ	8493	54	IAMs_20		20	6	6.14		844	16.0				

August 10 2018 Hour: 5:26 8.3 Lat: 36.77N Lon: 9.67W Depth: 16F 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	108	56	EP		526		25.25							1.0
MORF	HE	108	56	ES		526		38.030							1.0
MORF	HE	108	56	IAML		526		38.65		9	0.2				
MESJ	HE	175	47	ES		526		52.700							1.0
MESJ	HE	175	47	IAML		526		54.30		2	0.1				

August 10 2018 Hour: 12: 5 41.5 Lat: 36.64N Lon: 7.70W Depth: 12F 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	112	311	EP		12	5	59.19							1.0
MESJ	HZ	141	341	EP		12	6	3.10							1.0
MESJ	HN	141	341	ES		12	6	19.200							1.0
MESJ	HN	141	341	IAML		12	6	20.46		4	0.1				

August 10 2018 Hour: 13:35 22.1 Lat: 35.44N Lon: 9.69W Depth: 32F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	227	24	EP		1335	53.07	-.030							1.0
MORF	HE	227	24	ES		1336	15.54	-.160							1.0
MORF	HN	227	24	IAML		1336	15.92			4	0.1				
MESJ	HZ	297	26	EP		1336	1.880	.110							1.0
MESJ	HN	297	26	ES		1336	30.800	.090							1.0
MESJ	HN	297	26	IAML		1336	31.95			2	0.2				

August 10 2018 Hour: 18:12 6.6 Lat: 48.42N Lon: 154.85E Depth: 28F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.1 secs

KURIL ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ10232	348	EP			1825	12.690	.110							1.0
GGNV	BZ10232	348	IAMs_20			1915	9.66			9416	15.0				
MESJ	BZ10312	347	EP			1825	16.010	.050							1.0
MESJ	BZ10312	347	EPP			1828	58.41	-.180							1.0
MESJ	BN10312	347	ESKSac			1835	47.73	-.060							1.0
MESJ	BE10312	347	ESS			1842	34.920	.170							1.0
MESJ	BZ10312	347	IAMs_20			1915	34.08			10954	17.4				
MORF	BZ10378	347	EP			1825	18.810	.080							1.0
MORF	BZ10378	347	EPP			1829	3.15	-.120							1.0
MORF	BE10378	347	ESKSac			1835	51.10	-.060							1.0
MORF	BZ10378	347	IAMs_20			1915	5.95			10379	14.7				

August 11 2018 Hour: 5:54 49.6 Lat: 71.79N Lon: 2.24W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

JAN MAYEN ISLAND REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	3791	188	EP		6	1	34.370	.030						1.0
MESJ	BZ	3791	188	IAMB		6	1	35.84			38	1.3			
MESJ	BE	3791	188	ES		6	7	1.14	-.030						1.0

August 11 2018 Hour: 10:36 23.1 Lat: 41.68N Lon: 8.45W Depth: 13F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

N VILA VERDE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	427	177	EP		1037	20.27	-.000							1.0
MESJ	HN	427	177	ES		1038	2.040	.070							1.0
MESJ	HN	427	177	IAML		1038	8.76			9	0.6				
MORF	HZ	486	182	EP		1037	27.36	-.130							1.0
MORF	HN	486	182	ES		1038	14.510	.060							1.0
MORF	HN	486	182	IAML		1038	17.44			10	0.2				

August 11 2018 Hour: 15:38 32.9 Lat: 41.59N Lon: 20.21E Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Mb IGL 4.8Ms IGL Rms: 0.0 secs

ALBANIA Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2461	270	EP		1543	28.67	-.040							1.0
MESJ	BZ	2461	270	IAMB		1543	32.46			90	1.5				
MESJ	BN	2461	270	ES		1547	33.840	.030							1.0
GGNV	BE	2509	272	ES		1547	42.140	.010							1.0
GGNV	BE	2509	272	IAMs_20		1554	37.26			2647	13.4				

August 12 2018 Hour: 0:42 44.7 Lat: 38.85N Lon: 8.75W Depth: 17F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

SE BENAVENTE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	HZ	38	247	EP		042	51.04	-.210							1.0
GGNV	HE	38	247	ES		042	56.040	.010							1.0
GGNV	HN	38	247	IAML		042	56.42			192	0.2				

MESJ HZ	121	157	EPg	043	3.820.030												1.0
MESJ HE	121	157	ESg	043	17.840.110												1.0
MESJ HE	121	157	IAML	043	19.00				17	0.2							
MORF HZ	172	177	EPg	043	11.490.050												0.9
MORF HN	172	177	ESg	043	30.980.020												0.9
MORF HE	172	177	IAML	043	33.04				21	0.1							

August 12 2018 Hour: 2:46 38.1 Lat: 37.65N Lon: 8.36W Depth: 8F Agency: IGL Regional 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		246	42.22	-.060							1.0
MESJ HN		24	30	ES		246	45.370	.060							1.0

August 12 2018 Hour: 5:53 10.9 Lat: 36.54N Lon: 9.79W Depth: 37F Agency: IGL Regional Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF HZ		132	50	EP		553	30.06	-.040							1.0
MORF HN		132	50	ES		553	44.140	.010							1.0
MORF HN		132	50	IAML		553	44.75			4	0.1				
MESJ HZ		201	44	EP		553	38.590	.030							1.0

August 12 2018 Hour: 14:58 54.7 Lat: 69.56N Lon: 145.30W Depth: 2F Agency: IGL Distant Rms: 0.1 secs

NORTHERN ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV BZ		7476	36	EP		15 9	50.780	.030							1.0
GGNV BN		7476	36	ES		1518	47.45	-.020							1.0
GGNV BN		7476	36	IAMs_20		1540	37.69			29754	21.1				
MESJ BZ		7591	35	EP		15 9	57.360	.040							1.0
MESJ BE		7591	35	ES		1518	60.000	.070							1.0
MESJ BZ		7591	35	IAMs_20		1534	41.49			21746	21.0				
MORF BZ		7638	36	EP		15 9	59.99	-.060							1.0
MORF BN		7638	36	ES		1519	5.05	-.070							1.0
MORF BZ		7638	36	IAMs_20		1541	45.97			29587	19.5				

August 12 2018 Hour: 16: 2 9.2 Lat: 69.60N Lon: 144.95W Depth: 6F Agency: IGL Distant Rms: 0.0 secs

NORTHERN ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF BZ		7627	36	EP		1613	13.23	-.010							1.0
MORF BZ		7627	36	IAMB		1613	13.75			16	0.7				

August 12 2018 Hour: 21:15 2.9 Lat: 69.61N Lon: 144.39W Depth: 10F Agency: IGL Distant Rms: 0.0 secs

NORTHERN ALASKA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV BZ		7451	37	EP		2125	56.140	.010							1.0
GGNV BE		7451	37	ES		2134	50.650	.020							1.0
GGNV BE		7451	37	IAMs_20		2157	19.84			8579	27.2				
MESJ BZ		7566	36	EP		2126	2.69	-.030							1.0
MESJ BE		7566	36	ES		2135	3.150	.010							1.0
MESJ BZ		7566	36	IAMs_20		2156	27.79			6680	22.6				
MORF BZ		7613	37	EP		2126	5.480	.030							1.0
MORF BE		7613	37	ES		2135	8.27	-.040							1.0
MORF BN		7613	37	IAMs_20		2157	29.27			8214	17.5				

August 13 2018 Hour: 14:39 58.7 Lat: 38.07N Lon: 0.39W Depth: 7F Agency: IGL Regional
Magnitudes: 3.8ML IGL Rms: 0.1 secs

SPAIN Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	688	270	EP		1441	28.06	-.140							1.0
MESJ	HE	688	270	ES		1442	33.49	-.020							1.0
MESJ	HE	688	270	IAML		1443	20.38			114	1.0				
MORF	HZ	733	266	EP		1441	33.740	.160							1.0
MORF	HN	733	266	ES		1442	42.820	.010							1.0
MORF	HN	733	266	IAML		1442	44.41			73	0.2				

August 13 2018 Hour: 16:30 22.0 Lat: 36.48N Lon: 7.77W Depth: 16F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	121	320	EP		1630	40.86	-.040							1.0
MESJ	HZ	156	345	EP		1630	45.440	.170							1.0
MESJ	HN	156	345	ES		1631	2.25	-.010							1.0
MESJ	HN	156	345	IAML		1631	3.97			225	0.1				
GGNV	HN	276	334	ES		1631	27.97	-.130							0.9
GGNV	HE	276	334	IAML		1631	30.77			356	0.3				

August 14 2018 Hour: 0:25 20.1 Lat: 36.80N Lon: 9.67W Depth: 18F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	106	58	EP		025	37.040	.080							1.0
MORF	HE	106	58	ES		025	49.22	-.040							1.0
MORF	HE	106	58	IAML		025	49.94			11	0.2				
MESJ	HZ	173	48	EP		025	45.12	-.150							1.0
MESJ	HN	173	48	ES		026	3.740	.100							1.0
MESJ	HE	173	48	IAML		026	4.36			2	0.2				

August 14 2018 Hour: 1:55 43.6 Lat: 37.10N Lon: 8.55W Depth: 17F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

S PORTIMAO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	24	338	EP		155	48.20	-.160							1.0
MORF	HE	24	338	ES		155	51.950	.110							1.0
MORF	HE	24	338	IAML		155	52.22			39	0.2				
MESJ	HZ	87	19	EP		155	57.540	.040							1.0
MESJ	HN	87	19	ES		156	7.670	.010							1.0
MESJ	HN	87	19	IAML		156	8.96			4	0.1				

August 14 2018 Hour: 3:29 54.0 Lat: 58.11S Lon: 25.26W Depth: 35F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

SOUTH SANDWICH ISLANDS REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ10668	13		EP		343	16.51	-.080							1.0
MORF	BZ10668	13		EPP		347	10.26	-.200							0.9
MORF	BE10668	13		ESKSac		353	51.130	.040							1.0
MORF	BN10668	13		IAMs_20		417	27.53			8042	29.9				
MESJ	BZ10733	14		EP		343	19.220	.080							1.0
MESJ	BZ10733	14		EPP		347	14.87	-.030							1.0
MESJ	BE10733	14		ESKSac		353	54.060	.010							1.0
MESJ	BZ10733	14		IAMs_20		420	16.51			9173	20.1				
GGNV	BZ10817	13		EP		343	22.510	.050							1.0
GGNV	BZ10817	13		EPP		347	20.800	.120							1.0
GGNV	BN10817	13		IAMs_20		420	49.18			10638	23.8				

August 14 2018 Hour: 4:43 28.2 Lat: 36.99N Lon: 5.92W 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	224	296	EP		444	1.51	-.020							1.0

August 14 2018 Hour: 7:45 24.9 Lat: 36.00N Lon: 10.33W Depth: 22F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	208	46	EP		745	54.16	-.010							1.0
MORF	HN	208	46	ES		746	15.640	.090							1.0
MORF	HE	208	46	IAML		746	18.21			21	0.2				
MESJ	HZ	278	42	EP		746	2.67	-.050							1.0
MESJ	HN	278	42	ES		746	30.29	-.050							1.0
MESJ	HN	278	42	IAML		746	30.99			3	0.2				

August 14 2018 Hour: 8:50 2.7 Lat: 36.59N Lon: 7.83W Depth: 10F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	108	317	EP		850	19.78	-.050							1.0
MESJ	HZ	143	346	EP		850	24.860	.000							1.0
MESJ	HE	143	346	ES		850	41.110	.050							1.0
MESJ	HN	143	346	IAML		850	43.18			7	0.1				

August 14 2018 Hour: 22:40 11.6 Lat: 36.63N Lon: 11.24W Depth: 26F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	242	71	EP		2240	44.860	.010							1.0
MORF	HN	242	71	ES		2241	9.090	.010							1.0
MORF	HN	242	71	IAML		2241	10.69			6	0.1				
MESJ	HZ	300	62	EP		2240	51.83	-.120							1.0
MESJ	HE	300	62	ES		2241	21.480	.100							1.0
MESJ	HE	300	62	IAML		2241	23.01			1	0.1				

August 15 2018 Hour: 2:45 36.1 Lat: 35.76N Lon: 8.83W Depth: 31F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	172	5	EP		245	59.29	-.250							1.0
MORF	HE	172	5	ES		246	16.720	.080							1.0
MORF	HN	172	5	IAML		246	17.76			22	0.2				
MESJ	HZ	237	13	EP		246	7.630	.050							1.0
MESJ	HE	237	13	ES		246	30.690	.140							1.0
MESJ	HE	237	13	IAML		246	34.34			8	0.2				

August 15 2018 Hour: 5:12 46.9 Lat: 36.73N Lon: 7.48W Depth: 25F 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	122	302	EP		513	5.330	.050							1.0
MORF	HN	122	302	ES		513	18.740	.050							1.0
MORF	HE	122	302	IAML		513	19.45			21	0.2				
MESJ	HZ	140	332	EP		513	7.440	.050							1.0
MESJ	HN	140	332	ES		513	22.19	-.150							1.0
MESJ	HN	140	332	IAML		513	23.45			4	0.1				

August 15 2018 Hour: 12:18 28.9 Lat: 35.72N Lon: 8.83W Depth: 25F Agency: IGL Regional
Magnitudes: 2.7ML 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	177	5	EP		1218	53.95	-.090							1.0
MORF	HE	177	5	ES		1219	12.32	-.040							1.0
MORF	HE	177	5	IAML		1219	13.66		125	0.1					
MESJ	HZ	241	13	EP		1219	2.150	.080							1.0
MESJ	HE	241	13	ES		1219	26.310	.050							1.0
MESJ	HN	241	13	IAML		1219	28.73		25	0.1					

August 15 2018 Hour: 13:18 44.3 Lat: 36.60N Lon: 8.38W Depth: 21F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.2 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	82	343	EP		1318	57.33	-.230							1.0
MORF	HE	82	343	ES		1319	7.480	.270							1.0
MORF	HE	82	343	IAML		1319	10.35		46	0.1					
MESJ	HZ	138	6	EP		1319	4.90	-.070							1.0
MESJ	HE	138	6	ES		1319	20.060	.030							1.0
MESJ	HN	138	6	IAML		1319	21.38		25	0.1					

August 15 2018 Hour: 21:56 55.2 Lat: 51.51N Lon: 178.08W Depth: 31F Agency: IGL Distant
Magnitudes: 6.7Ms 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	9957	9	EP		22 9	49.14	-.100							1.0
GGNV	BZ	9957	9	EPP		2213	21.670	.070							1.0
GGNV	BZ	9957	9	IAMs_20		2244	24.88		35530	27.2					
MESJ	BZ10063	8	EP			22 9	53.52	-.210							0.9
MESJ	BZ10063	8	EPP			2213	29.410	.190							0.9
MESJ	BN10063	8	ESKSac			2220	23.000	.060							1.0
MESJ	BZ10063	8	IAMs_20			2245	18.22		31380	19.6					
MORF	BZ10118	8	EP			22 9	55.96	-.120							1.0
MORF	BZ10118	8	EPP			2213	33.260	.090							1.0
MORF	BN10118	8	ESKSac			2220	25.890	.010							1.0
MORF	BZ10118	8	IAMs_20			2245	21.21		34637	20.8					

August 16 2018 Hour: 3:23 52.0 Lat: 37.22N Lon: 8.58W Depth: 22F Agency: IGL Regional
Magnitudes: 0.3ML 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	11	325	EP		323	55.87	-.100							1.0
MORF	HN	11	325	ES		323	58.900	.040							1.0
MORF	HE	11	325	IAML		323	59.31		6	0.1					
MESJ	HN	76	25	ES		324	13.350	.060							1.0
MESJ	HE	76	25	IAML		324	14.65		1	0.1					

August 16 2018 Hour: 18:19 6.0 Lat: 41.88N Lon: 14.82E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Ms IGL Rms: 0.1 secs

SOUTHERN ITALY Net: CSEM

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	2015	265	EP		1823	17.88	-.050							1.0
MESJ	BN	2015	265	ES		1826	41.13	-.130							1.0
MESJ	BZ	2015	265	IAMs_20		1830	56.65		6977	12.6					
GGNV	BZ	2061	268	EP		1823	22.55	-.170							1.0
GGNV	BN	2061	268	ES		1826	51.190	.030							1.0
GGNV	BN	2061	268	IAMs_20		1830	26.86		8051	15.5					
MORF	BZ	2072	264	EP		1823	24.080	.190							1.0
MORF	BN	2072	264	ES		1826	53.790	.120							1.0
MORF	BN	2072	264	IAMs_20		1830	19.15		5228	15.7					

August 17 2018 Hour: 4:35 29.7 Lat: 51.34N Lon: 178.18W Depth: 25F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.0 secs

ANDREANOF ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ10083		8	EP		448	29.94	-.030							1.0
MESJ	BZ10083		8	I Amb		448	31.26			13	0.9				

August 17 2018 Hour: 10:13 24.5 Lat: 37.05N Lon: 3.84W Depth: 12F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	397	284	EP		1014	18.100	.030							1.0

August 17 2018 Hour: 15:35 3.7 Lat: 7.41S Lon: 119.82E Depth: 539F Agency: IGL Distant
Rms: 0.1 secs

FLORES SEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13826		311	EPK Pdf		1553	0.83	-.080							1.0
MESJ	BZ13826		311	EPP		1554	54.990	.100							1.0
GGNV	BZ13869		312	EPK Pdf		1553	1.640	.020							1.0
GGNV	BZ13869		312	EPP		1554	57.41	-.030							1.0
MORF	BZ13881		311	EPK Pdf		1553	1.91	-.010							1.0

August 17 2018 Hour: 23:22 24.3 Lat: 8.77N Lon: 83.15W Depth: 15F Agency: IGL Distant
Magnitudes: 6.1Mb IGL Rms: 0.1 secs

COSTA RICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8025	52	EP		2333	48.210	.040							1.0
GGNV	BZ	8025	52	I Amb		2333	49.89			243	1.3				
GGNV	BE	8025	52	ES		2343	10.530	.030							1.0
MORF	BZ	8061	54	EP		2333	50.210	.010							1.0
MORF	BZ	8061	54	I Amb		2333	51.68			353	1.3				
MORF	BE	8061	54	ES		2343	14.400	.030							1.0
MESJ	BZ	8102	53	EP		2333	52.09	-.230							0.9
MESJ	BZ	8102	53	I Amb		2333	52.71			186	1.4				
MESJ	BE	8102	53	ES		2343	18.530	.090							1.0

August 18 2018 Hour: 6:54 19.4 Lat: 36.54N Lon: 11.21W Depth: 30F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	243	69	EP		654	52.410	.010							1.0
MORF	HN	243	69	ES		655	16.45	-.070							1.0
MORF	HN	243	69	I AML		655	18.00			4	0.2				
MESJ	HZ	302	61	EP		654	59.64	-.050							1.0
MESJ	HE	302	61	ES		655	29.260	.120							1.0
MESJ	HE	302	61	I AML		655	30.72			1	0.1				

August 18 2018 Hour: 19:39 8.2 Lat: 8.83N Lon: 77.29W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.1 secs

PANAMA-COLOMBIA BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	7538	53	EP		1950	6.170	.100							1.0
MORF	BZ	7538	53	I Amb		1950	13.90			130	1.3				
MORF	BN	7538	53	ES		1959	4.64	-.020							1.0
MESJ	BZ	7583	53	EP		1950	8.45	-.070							1.0
MESJ	BZ	7583	53	I Amb		1950	15.64			82	1.4				
MESJ	BN	7583	53	ES		1959	9.320	.000							1.0

August 19 2018 Hour: 0:19 38.5 Lat: 18.17S Lon: 178.14W Depth:559F 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	BZ17515	23	EPK	Pdf		038	30.210	.050							1.0
MESJ	BZ17639	22	EPK	Pdf		038	31.620	.070							1.0
MORF	BZ17674	24	EPK	Pdf		038	31.84-	.130							1.0

August 19 2018 Hour: 2:18 52.3 Lat: 18.27S Lon: 178.35W Depth:619F 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	BZ17534	23	EPK	Pab		238	15.110	.070							1.0
MESJ	BZ17658	22	EPK	Pdf		237	39.730	.120							1.0
MESJ	BZ17658	22	EPK	Pab		238	19.83-	.120							1.0
MORF	BZ17693	23	EPK	Pdf		237	40.130	.090							1.0
MORF	BZ17693	23	EPK	Pab		238	21.22-	.170							1.0

August 19 2018 Hour: 4:10 20.7 Lat: 8.32S Lon: 116.58E Depth: 8F Agency: IGL Distant
Rms: 0.1 secs

LOMBOK REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13618	310	EPK	Pdf		429	16.250	.080							1.0
MORF	BZ13671	309	EPK	Pdf		429	17.06-	.080							1.0

August 19 2018 Hour: 4:28 59.5 Lat: 16.95S Lon: 178.02W Depth:420F Agency: IGL Distant
Rms: 0.3 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17386	22	EPK	Pdf		448	4.450	.360							1.0
GGNV	BZ17386	22	EPK	Pab		448	35.08-	.160							1.0
MESJ	BZ17510	21	EPK	Pdf		448	5.760	.220							1.0
MESJ	BZ17510	21	EPK	Pab		448	39.76-	.340							1.0
MORF	BZ17546	23	EPK	Pdf		448	6.180	.190							1.0
MORF	BZ17546	23	EPK	Pab		448	41.30-	.260							1.0

August 19 2018 Hour: 14:56 28.3 Lat: 8.32S Lon: 116.63E Depth: 26F Agency: IGL Distant
Magnitudes: 6.8Ms IGL Rms: 0.1 secs

LOMBOK REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13622	310	EPK	Pdf		1515	20.78-	.050							1.0
MESJ	BZ13622	310	EPP			1516	57.180	.100							1.0
MESJ	BZ13622	310	IAMS	_20		1621	4.47		18592	24.5					
GGNV	BZ13673	311	EPP			1517	0.230	.110							1.0
GGNV	BE13673	311	IAMS	_20		1611	40.01		34982	23.4					
MORF	BZ13676	309	EPK	Pdf		1515	21.70-	.090							1.0
MORF	BZ13676	309	EPP			1517	0.30-	.070							1.0
MORF	BE13676	309	IAMS	_20		167	17.53		22856	19.1					

August 19 2018 Hour: 15:16 34.5 Lat: 8.42S Lon: 116.61E Depth: 10F Agency: IGL Distant
Rms: 0.1 secs

LOMBOK REGION, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ13628	310	EPK	P		1535	29.840	.100							1.0
MORF	BZ13681	309	EPK	P		1535	30.60-	.100							1.0

August 19 2018 Hour: 20:41 3.9 Lat: 37.58N Lon: 7.98W Depth: 1 Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.0 secs

NE ALMODOVAR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	36	324	EP		2041	9.66-	.020							1.0
MESJ	HN	36	324	ES		2041	13.910	.020							1.0
MESJ	HE	36	324	IAML		2041	17.89		150	0.3					

August 19 2018 Hour: 23:17 37.9 Lat: 37.32N Lon: 8.56W Depth: 14F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs
NE MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	258	EP		2317	40.44	-0.17							1.0
MORF	HE	8	258	ES		2317	42.61	0.03							1.0
MORF	HN	8	258	IAML		2317	43.40			46	0.1				
MESJ	HE	65	27	ES		2317	56.30	0.15							1.0
MESJ	HE	65	27	IAML		2317	56.78			0.80	0.1				

August 20 2018 Hour: 4:21 35.0 Lat: 37.32N Lon: 8.50W Depth: 13F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs
E MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	263	EP		421	38.08	-0.000							1.0
MORF	HE	14	263	ES		421	40.34	0.000							1.0
MORF	HN	14	263	IAML		421	40.55			32	0.2				

August 20 2018 Hour: 8:37 59.9 Lat: 18.25S Lon: 178.17W Depth: 528F 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	BZ17649	22	EP	KPab		857	35.38	-0.070							1.0
MORF	BZ17683	24	EP	KPab		857	36.94	0.070							1.0

August 20 2018 Hour: 18:13 2.1 Lat: 36.08N Lon: 10.70W Depth: 26F Agency: IGL Regional
Magnitudes: 3.0ML 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	228	53	EP		1813	33.58	0.040							1.0
MORF	HN	228	53	ES		1813	56.56	0.090							1.0
MORF	HE	228	53	IAML		1813	57.79			192	0.1				
MESJ	HZ	295	48	EP		1813	41.62	-0.200							1.0
MESJ	HN	295	48	ES		1814	10.85	0.060							1.0
MESJ	HN	295	48	IAML		1814	13.06			38	0.1				

August 21 2018 Hour: 0:28 57.3 Lat: 42.77N Lon: 7.82W Depth: 21F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.1 secs
SPAIN Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	549	184	EP		030	8.44	-0.050							1.0
MESJ	HE	549	184	ES		031	0.42	-0.040							1.0
MESJ	HN	549	184	IAML		031	38.02			62	0.7				
MORF	HZ	611	187	EP		030	16.19	0.100							1.0

August 21 2018 Hour: 0:38 25.1 Lat: 36.87N Lon: 5.30W Depth: 11F 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	280	294	EP		039	4.29	-0.000							1.0

August 21 2018 Hour: 12:45 28.4 Lat: 37.94N Lon: 8.82W Depth: 8F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs
SE SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	54	102	EP		1245	37.25	0.080							1.0
MESJ	HN	54	102	ES		1245	43.60	0.010							1.0
MESJ	HN	54	102	IAML		1245	44.54			7	0.1				
MORF	HZ	72	168	EP		1245	40.03	-0.040							1.0
MORF	HE	72	168	ES		1245	48.57	-0.050							1.0
MORF	HE	72	168	IAML		1245	51.00			20	0.3				

August 21 2018 Hour: 17:17 22.5 Lat: 37.24N Lon: 8.61W Depth: 15F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

SW MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	332	EP		1717	25.29	-.020							1.0
MORF	HE	8	332	ES		1717	27.380	.020							1.0
MORF	HE	8	332	IAML		1717	27.69			19	0.2				

August 21 2018 Hour: 21:31 45.4 Lat: 10.74N Lon: 62.91W Depth: 123F Agency: IGL Distant
Magnitudes: 7.2Mb IGL Rms: 0.1 secs

OFFSHORE SUCRE, VENEZUELA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	6151	50	EP		2141	5.83	-.080							1.0
GGNV	BZ	6151	50	IAMB		2141	28.90			2223	0.9				
GGNV	BN	6151	50	ES		2148	40.84	-.000							1.0
MORF	BZ	6154	52	EP		2141	6.250	.090							1.0
MORF	BZ	6154	52	IAMB		2141	27.95			5588	1.4				
MORF	BE	6154	52	ES		2148	41.300	.010							1.0
MESJ	BZ	6205	51	EP		2141	9.460	.040							1.0
MESJ	BZ	6205	51	IAMB		2141	30.43			6187	2.0				
MESJ	BN	6205	51	ES		2148	47.31	-.040							1.0

August 21 2018 Hour: 22:32 26.6 Lat: 16.02S Lon: 168.15E Depth: 13F Agency: IGL Distant
Magnitudes: 6.3Ms 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	BZ17502	355	EP	KPpdf		2252	21.550	.050							1.0
GGNV	BZ17502	355	IAMS_20			2413	16.84			5064	15.1				
MESJ	BZ17588	352	EP	KPpdf		2252	22.41	-.080							1.0
MESJ	BZ17588	352	IAMS_20			24 2	19.89			4744	33.3				
MORF	BZ17652	353	EP	KPpdf		2252	23.270	.020							1.0
MORF	BZ17652	353	IAMS_20			24 4	31.46			4382	18.1				

August 22 2018 Hour: 0:38 32.7 Lat: 36.78N Lon: 8.41W Depth: 19F Agency: IGL Regional
Magnitudes: 0.4ML 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	62	340	EP		038	42.79	-.130							1.0
MORF	HN	62	340	ES		038	50.34	-.040							1.0
MORF	HN	62	340	IAML		038	51.19			2	0.1				
MESJ	HE	119	8	ES		039	4.690	.190							1.0
MESJ	HE	119	8	IAML		039	5.07			0.60	0.2				

August 22 2018 Hour: 2:56 17.7 Lat: 50.85N Lon: 29.96W Depth: 10F Agency: IGL Distant
Magnitudes: 4.3Mb IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	2260	124	EP		3 0	54.030	.000							1.0
MORF	BZ	2260	124	IAMB		3 0	56.07			18	1.2				

August 22 2018 Hour: 9:31 47.1 Lat: 43.64N Lon: 127.60W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.0 secs

OFF COAST OF OREGON Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8994	44	EP		944	1.630	.070							1.0
GGNV	BE	8994	44	ES		954	10.80	-.020							1.0
GGNV	BN	8994	44	IAMS_20		1017	10.84			6242	18.5				
MESJ	BZ	9121	44	EP		944	7.64	-.000							1.0
MESJ	BE	9121	44	ES		954	22.66	-.020							1.0
MESJ	BZ	9121	44	IAMS_20		1018	36.39			4961	17.2				
MORF	BZ	9142	45	EP		944	8.63	-.080							1.0
MORF	BE	9142	45	ES		954	24.800	.050							1.0
MORF	BE	9142	45	IAMS_20		1014	53.22			5230	22.2				

August 22 2018 Hour: 13:27 47.4 Lat: 10.58N Lon: 62.92W Depth: 98F Agency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.0 secs

SUCRE, VENEZUELA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	6164	50	EP		1337	11.330	.020							1.0
GGNV	BZ	6164	50	I Amb		1337	14.66			284	1.4				
MORF	BZ	6166	52	EP		1337	11.50	-.040							1.0
MORF	BZ	6166	52	I Amb		1337	14.45			246	1.2				
MORF	BE	6166	52	ES		1344	49.31	-.020							1.0
MESJ	BZ	6217	51	EP		1337	14.810	.010							1.0
MESJ	BZ	6217	51	I Amb		1337	18.51			168	1.6				
MESJ	BN	6217	51	ES		1344	55.440	.030							1.0

August 22 2018 Hour: 15:28 53.7 Lat: 18.03S Lon: 178.00W Depth: 569F 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	BZ	17619	22	EP	Kpdf	1547	45.60	-.010							1.0
MORF	BZ	17654	24	EP	Kpdf	1547	46.050	.010							1.0

August 22 2018 Hour: 16:23 35.3 Lat: 2.92S Lon: 75.40W Depth: 143F Agency: IGL Distant
Magnitudes: 5.2Mb 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	8183	50	EP		1634	52.650	.020							1.0
MORF	BZ	8183	50	I Amb		1634	54.67			57	1.1				

August 22 2018 Hour: 18: 3 8.4 Lat: 16.72N Lon: 98.51W Depth: 16F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

GUERRERO, MEXICO Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8898	54	EP		1815	17.08	-.020							1.0
MORF	BZ	8898	54	I Amb		1815	18.77			146	2.4				
MESJ	BZ	8922	53	EP		1815	18.210	.020							1.0
MESJ	BZ	8922	53	I Amb		1815	20.61			63	2.1				

August 22 2018 Hour: 18:49 36.4 Lat: 7.00S Lon: 155.77E Depth: 44F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.0 secs

BOUNGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	16209	339	EP	KP	19 9	10.530	.060							1.0
MESJ	BZ	16256	337	EP	KP	19 9	12.14	-.010							1.0
MESJ	BZ	16256	337	I AMs	_20	2012	11.60			1126	26.4				
MORF	BZ	16327	337	EP	KP	19 9	14.64	-.050							1.0
MORF	BZ	16327	337	I AMs	_20	2014	19.97			2342	30.4				

August 22 2018 Hour: 19:14 27.6 Lat: 38.24N Lon: 8.26W Depth: 2F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

W ALVITO, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	45	175	EP		1914	34.790	.030							1.0
MESJ	HE	45	175	ES		1914	39.99	-.030							1.0
MESJ	HE	45	175	I AML		1914	40.61			16	0.2				

August 22 2018 Hour: 20: 6 31.3 Lat: 36.68N Lon: 11.15W Depth: 33F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	233	72	EP		20 7	2.85	-.120							1.0
MORF	HN	233	72	ES		20 7	26.200	.080							1.0
MORF	HN	233	72	I AML		20 7	28.76			25	0.2				
MESJ	HE	290	63	ES		20 7	38.380	.040							1.0
MESJ	HN	290	63	I AML		20 7	41.14			6	0.1				

August 23 2018 Hour: 3:35 14.8 Lat: 51.51N Lon: 177.88W Depth: 44F Agency: IGL Distant
Magnitudes: 6.3Ms 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	9955	9	EP		348	7.02	-.110							1.0
GGNV	BE	9955	9	ESKSac		358	33.930	.120							1.0
GGNV	BZ	9955	9	IAMs_20		422	42.98		13289	25.0					
MESJ	BZ10061		8	EP		348	11.710	.090							1.0
MESJ	BN10061		8	ESKSac		358	39.460	.000							1.0
MESJ	BZ10061		8	IAMs_20		423	38.93		13829	27.0					
MORF	BZ10116		9	EP		348	13.85	-.110							1.0
MORF	BZ10116		9	IAMs_20		424	28.90		15360	25.4					

August 23 2018 Hour: 3:41 11.6 Lat: 18.16S Lon: 178.21W Depth: 500F Agency: IGL Distant
Magnitudes: 6.3Ms IGL Rms: 0.2 secs

FIJI REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ17641		22	EPKPdf		4	0	11.060	.340						1.0
MESJ	BZ17641		22	EPKPab		4	0	49.31	-.210						1.0
MORF	BZ17676		24	EPKPab		4	0	50.85	-.100						1.0

August 23 2018 Hour: 5:49 5.0 Lat: 36.64N Lon: 9.67W Depth: 18F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	117	51	EP		549	23.230	.010							1.0
MORF	HN	117	51	ES		549	36.48	-.070							1.0
MORF	HN	117	51	IAML		549	37.13		5	0.1					
MESJ	HE	185	44	ES		549	51.240	.060							1.0
MESJ	HN	185	44	IAML		549	51.65		0.80	0.1					

August 23 2018 Hour: 8:48 15.3 Lat: 37.57N Lon: 7.98W Depth: 0 Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NE ALMODOVAR, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	37	325	EP		848	21.250	.080							1.0
MESJ	HN	37	325	ES		848	25.35	-.130							1.0
MESJ	HN	37	325	IAML		848	27.90		38	0.1					
MORF	HZ	66	244	EP		848	26.110	.140							1.0
MORF	HN	66	244	ES		848	33.70	-.090							1.0
MORF	HN	66	244	IAML		848	36.03		11	0.2					

August 23 2018 Hour: 9:44 2.9 Lat: 17.23S Lon: 69.46W Depth: 155F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

LA PAZ, BOLIVIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8771	45	EP		955	48.77	-.010							1.0
MORF	BZ	8771	45	IAMB		955	49.70		75	0.8					
MESJ	BZ	8834	45	EP		955	51.840	.010							1.0
MESJ	BZ	8834	45	IAMB		955	53.20		58	1.2					

August 23 2018 Hour: 10:47 35.9 Lat: 36.91N Lon: 8.59W Depth: 24F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	44	353	EP		1047	43.760	.000							1.0
MORF	HE	44	353	ES		1047	49.49	-.000							1.0
MORF	HN	44	353	IAML		1047	50.16		14	0.2					

August 24 2018 Hour: 9: 4 7.6 Lat: 11.04S Lon: 70.82W Depth:610F Agency: IGL Distant
Magnitudes: 6.9Mb IGL Rms: 0.1 secs

PERU-BRAZIL BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8402	47	EP		914	51.010	.170							0.9
MORF	BZ	8402	47	IAMB		914	58.10		11730		1.3				
MORF	BE	8402	47	ES		923	43.530	.060							1.0
GGNV	BZ	8433	45	EP		914	52.21-	.090							1.0
GGNV	BZ	8433	45	IAMB		914	58.57		4324		1.3				
GGNV	BE	8433	45	ES		923	46.330	.020							1.0
MESJ	BZ	8462	46	EP		914	53.70-	.070							1.0
MESJ	BZ	8462	46	IAMB		915	0.14		2831		1.1				
MESJ	BE	8462	46	ES		923	49.09-	.080							1.0

August 24 2018 Hour: 9:48 57.6 Lat: 36.97N Lon: 8.90W Depth: 24F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	43	31	EP		949	5.440	.140							1.0
MORF	HN	43	31	ES		949	10.93-	.010							1.0
MORF	HN	43	31	IAML		949	11.71		469		0.2				
MESJ	HZ	114	32	EP		949	14.71-	.200							1.0
MESJ	HE	114	32	ES		949	27.640	.070							1.0
MESJ	HN	114	32	IAML		949	32.14		90		0.1				

August 24 2018 Hour: 21:14 48.0 Lat: 36.82N Lon: 8.00W Depth: 22F 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	79	313	EP		2115	0.63-	.150							1.0
MORF	HE	79	313	ES		2115	10.140	.020							1.0
MORF	HE	79	313	IAML		2115	10.99		13		0.1				
MESJ	HZ	115	350	EP		2115	5.740	.130							1.0
MESJ	HN	115	350	ES		2115	18.480	.010							1.0
MESJ	HE	115	350	IAML		2115	19.19		4		0.1				

August 25 2018 Hour: 10: 7 25.0 Lat: 36.71N Lon: 9.69W Depth: 21F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	54	EP		10 7	42.610	.050							1.0
MORF	HE	113	54	ES		10 7	55.34-	.050							1.0
MORF	HN	113	54	IAML		10 7	56.17		13		0.1				
MESJ	HE	181	46	ES		10 8	9.820	.000							1.0
MESJ	HE	181	46	IAML		10 8	10.45		0.80		0.1				

August 25 2018 Hour: 16:50 3.7 Lat: 52.29N Lon: 171.19W Depth: 35F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

FOX ISLANDS, ALEUTIAN ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9779	14	EP		17 2	49.690	.030							1.0
GGNV	BE	9779	14	IAMs_20		1744	3.46		4293		24.6				
MESJ	BZ	9889	13	EP		17 2	54.450	.060							1.0
MESJ	BN	9889	13	ESKSac		1713	21.260	.020							1.0
MESJ	BZ	9889	13	IAMs_20		1745	5.05		3905		24.1				
MORF	BZ	9941	14	EP		17 2	56.52-	.110							1.0
MORF	BZ	9941	14	IAMs_20		1739	12.87		2829		23.9				

August 25 2018 Hour: 17:27 39.5 Lat: 37.32N Lon: 8.60W Depth: 11F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs

W MONCHIQUE, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	5	250	EP		1727	41.23	-.350							1.0
MORF	HE	5	250	ES		1727	43.400	.340							1.0
MORF	HE	5	250	IAML		1727	43.65		708	0.1					
MESJ	HZ	67	30	EPg		1727	50.42	-.040							1.0
MESJ	HE	67	30	ES		1727	58.350	.050							1.0
MESJ	HN	67	30	IAML		1727	59.39		13	0.2					

August 25 2018 Hour: 22:13 25.0 Lat: 34.66N Lon: 46.28E Depth: 10F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.1 secs

WESTERN IRAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ	4842	291	EP		2221	28.890	.020							1.0
MESJ	BZ	4842	291	IAMs_20		2240	34.35		7795	20.3					
MORF	BZ	4893	290	EP		2221	32.58	-.040							1.0
MORF	BE	4893	290	ES		2228	5.50	-.080							1.0
MORF	BE	4893	290	IAMs_20		2241	5.18		9343	22.3					
GGNV	BZ	4900	292	EP		2221	33.080	.080							1.0
GGNV	BN	4900	292	ES		2228	6.310	.030							1.0
GGNV	BE	4900	292	IAMs_20		2242	25.63		12313	17.0					

August 26 2018 Hour: 0:58 56.7 Lat: 38.82N Lon: 8.06W Depth: 12F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

NW ARRAILOS, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	110	187	EPg		059	14.51	-.020							1.0
MESJ	HN	110	187	ES		059	26.670	.020							1.0
MESJ	HN	110	187	IAML		059	27.24		7	0.2					

August 26 2018 Hour: 18:12 7.8 Lat: 37.26N Lon: 7.72W Depth: 4F Agency: IGL Regional
Magnitudes: 1.2ML 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	78	326	EP		1812	20.29	-.160							1.0
MORF	HZ	83	274	EP		1812	21.260	.030							1.0
MORF	HN	83	274	ES		1812	31.120	.120							1.0
MORF	HN	83	274	IAML		1812	34.49		7	0.2					

August 26 2018 Hour: 19:58 24.6 Lat: 11.26S Lon: 70.70W Depth: 611F Agency: IGL Distant
Magnitudes: 4.5Mb IGL Rms: 0.0 secs

PERU-BRAZIL BORDER REGION Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8409	47	EP		20	9	8.200	.050						1.0
MORF	BZ	8409	47	IAMB		20	9	9.34		28	1.0				
MESJ	BZ	8469	46	EP		20	9	11.04	-.050						1.0
MESJ	BZ	8469	46	IAMB		20	9	11.58		11	0.9				

August 27 2018 Hour: 5:19 36.2 Lat: 34.92N Lon: 5.15W Depth: 84F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs

MOROCCO Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	425	321	EP		520	30.900	.000							1.0

August 27 2018 Hour: 15: 9 1.8 Lat: 36.77N Lon: 7.34W Depth: 20F 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	142	327	EP		15	9	23.100	.090						1.0
MESJ	HN	142	327	ES		15	9	38.38	-.090						1.0
MESJ	HN	142	327	IAML		15	9	39.27		3	0.1				

August 27 2018 Hour: 20: 9 22.3 Lat: 61.76S Lon: 58.12W Depth: 48F Agency: IGL Distant
Rms: 0.0 secs

SOUTH SHETLAND ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ11896	39	EPP			2028	0.83	-.040							1.0
MESJ	BN11896	39	ESS			2043	6.440	.040							1.0

August 28 2018 Hour: 1: 3 27.5 Lat: 36.74N Lon: 7.39W Depth: 24F 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	129	300	EP		1 3	46.51	-.180							1.0
MORF	HE	129	300	ES		1 4	0.810	.090							1.0
MORF	HN	129	300	IAML		1 4	1.69			17	0.2				
MESJ	HZ	143	329	EP		1 3	48.470	.090							1.0
MESJ	HN	143	329	ES		1 4	3.660	.010							1.0
MESJ	HN	143	329	IAML		1 4	5.38			6	0.1				

August 28 2018 Hour: 1:43 33.5 Lat: 37.27N Lon: 8.54W Depth: 7F Agency: IGL Regional
Magnitudes: 0.4ML 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	11	291	EP		143	35.39	-.220							1.0
MORF	HE	11	291	ES		143	37.250	.090							1.0
MORF	HE	11	291	IAML		143	37.69			28	0.1				
MESJ	HZ	69	24	EP		143	44.840	.110							1.0
MESJ	HE	69	24	ES		143	52.960	.030							1.0
MESJ	HN	69	24	IAML		143	53.62			0.90	0.1				

August 28 2018 Hour: 5:47 15.5 Lat: 39.66N Lon: 8.94W Depth: 4F Agency: IGL Regional
Rms: 0.0 secs

S MARINHA GRANDE, PORTUGAL Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	212	163	EP		547	46.830	.050							1.0
MORF	HZ	263	174	EP		547	53.12	-.050							1.0

August 28 2018 Hour: 13: 9 8.1 Lat: 18.04S Lon: 177.93W Depth: 560F 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	BZ17618	23	EPKPdf			1328	1.000	.100							1.0
MESJ	BZ17618	23	EPKPab			1328	39.46	-.090							1.0
MORF	BZ17652	24	EPKPdf			1328	1.400	.070							1.0
MORF	BZ17652	24	EPKPab			1328	40.89	-.080							1.0

August 28 2018 Hour: 22:35 13.7 Lat: 16.76N Lon: 146.87E Depth: 60F Agency: IGL Distant
Magnitudes: 6.4Ms IGL Rms: 0.1 secs

ANATAHAN REGION, NORTHERN MARIANA ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ13401	338	EPP			2255	25.200	.060							1.0
GGNV	BE13401	338	IAMs_20			2333	44.42			18882	42.7				
MESJ	BZ13450	337	EPKPdf			2253	58.90	-.000							1.0
MESJ	BZ13450	337	EPP			2255	28.03	-.150							1.0
MESJ	BZ13450	337	IAMs_20			2341	49.10			12958	33.3				
MORF	BZ13521	337	EPKPdf			2254	0.15	-.020							1.0
MORF	BZ13521	337	EPP			2255	32.670	.110							1.0
MORF	BZ13521	337	IAMs_20			2341	50.62			11468	25.4				

August 29 2018 Hour: 3:51 56.9 Lat: 22.07S Lon: 170.05E Depth: 27F Agency: IGL Distant
Magnitudes: 7.2Ms IGL Rms: 0.0 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ18180	358	EP	KPdf		411	56.35	-.020							1.0
GGNV	BZ18180	358	IAMs	_20		536	1.45		37110	19.0					
MESJ	BZ18272	355	EP	KPdf		411	57.14	-.030							1.0
MESJ	BZ18272	355	EPP			416	37.52	0.060							1.0
MESJ	BZ18272	355	IAMs	_20		531	38.40		31607	18.4					
MORF	BZ18334	356	EP	KPdf		411	57.71	-.020							1.0
MORF	BN18334	356	IAMs	_20		546	4.35		24608	15.4					

August 29 2018 Hour: 7:44 21.0 Lat: 36.51N Lon: 7.64W Depth: 25F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	156	341	EP		744	43.47	-.050							1.0
MESJ	HE	156	341	ES		745	0.030	0.050							1.0
MESJ	HE	156	341	IAML		745	0.47		0.40	0.1					

August 29 2018 Hour: 21:33 44.1 Lat: 8.69N Lon: 83.11W Depth: 20F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

COSTA RICA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8063	54	EP		2145	9.26	-.020							1.0
MORF	BZ	8063	54	IAMB		2145	11.74		172	2.0					
MORF	BE	8063	54	ES		2154	33.010	0.050							1.0
MESJ	BZ	8103	53	EP		2145	11.420	0.020							1.0
MESJ	BZ	8103	53	IAMB		2145	12.53		22	1.1					
MESJ	BE	8103	53	ES		2154	36.99	-.050							1.0

August 30 2018 Hour: 0:10 58.6 Lat: 38.00N Lon: 8.93W Depth: 3F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NW SINES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	65	106	EP		011	9.250	0.120							1.0
MESJ	HE	65	106	ES		011	16.67	-.120							1.0
MESJ	HN	65	106	IAML		011	17.03		2	0.1					

August 30 2018 Hour: 3:26 53.5 Lat: 36.12N Lon: 6.21W Depth: 30F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	HZ	262	317	EP		327	28.890	0.110							1.0
MESJ	HN	262	317	ES		327	54.45	-.110							1.0
MESJ	HE	262	317	IAML		327	55.71		1	0.1					

August 30 2018 Hour: 6:25 41.9 Lat: 36.90N Lon: 8.84W Depth: 27F 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	48	20	EP		625	50.430	0.020							1.0
MORF	HE	48	20	ES		625	56.650	0.040							1.0
MORF	HE	48	20	IAML		625	57.36		346	0.1					
MESJ	HZ	118	28	EP		625	59.41	-.150							1.0
MESJ	HE	118	28	ES		626	12.520	0.080							1.0
MESJ	HN	118	28	IAML		626	14.42		21	0.1					

August 30 2018 Hour: 11:25 56.3 Lat: 36.62N Lon: 7.61W Depth: 20F Agency: IGL Regional
Magnitudes: 1.1ML 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	120	310	EP		1126	14.42	-.340							1.0
MORF	HN	120	310	ES		1126	28.270	.030							1.0
MORF	HE	120	310	IAML		1126	29.29			4	0.1				
MESJ	HZ	146	338	EP		1126	18.180	.250							1.0
MESJ	HE	146	338	ES		1126	33.810	.080							1.0
MESJ	HN	146	338	IAML		1126	34.98			3	0.2				

August 30 2018 Hour: 12: 3 22.6 Lat: 36.76N Lon: 8.82W Depth: 32F 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	62	14	EP		12 3	33.08	-.020							1.0
MORF	HE	62	14	ES		12 3	40.790	.020							1.0
MORF	HN	62	14	IAML		12 3	41.26			5	0.1				

August 30 2018 Hour: 13:54 20.6 Lat: 37.22N Lon: 8.44W Depth: 11F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

N SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	21	296	EP		1354	24.32	-.140							1.0
MORF	HE	21	296	ES		1354	27.350	.070							1.0
MORF	HN	21	296	IAML		1354	28.05			11	0.1				
MESJ	HN	71	16	ES		1354	40.650	.070							1.0
MESJ	HN	71	16	IAML		1354	42.00			2	0.0				

August 30 2018 Hour: 16:24 48.3 Lat: 22.24S Lon: 170.16E Depth: 17F Agency: IGL Distant
Magnitudes: 5.5Ms IGL Rms: 0.0 secs

SOUTHEAST OF LOYALTY ISLANDS Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ18291	355	EPP			1649	31.330	.030							1.0
MESJ	BZ18291	355	IAMs_20		18 3	23.79				676	18.5				
MORF	BZ18354	356	EPP			1649	34.25	-.030							1.0
MORF	BZ18354	356	IAMs_20		18 1	20.74				596	16.0				

August 31 2018 Hour: 7:12 25.9 Lat: 39.28N Lon: 21.62E Depth: 22F Agency: IGL Distant
Magnitudes: 5.4Mb 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	2594	276	EP		717	32.53	-.120							1.0
MESJ	BZ	2594	276	IAMB		717	37.34			150	1.4				
MESJ	BN	2594	276	ES		721	45.020	.120							1.0
MORF	BZ	2645	275	EP		717	37.210	.120							1.0
MORF	BZ	2645	275	IAMB		717	42.84			48	0.8				
MORF	BE	2645	275	ES		721	52.23	-.220							0.9
GGNV	BZ	2653	278	EP		717	37.700	.010							1.0
GGNV	BZ	2653	278	IAMB		717	47.38			268	1.1				
GGNV	BN	2653	278	ES		721	53.580	.060							1.0

August 31 2018 Hour: 8:26 44.0 Lat: 36.42N Lon: 11.18W Depth: 30F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.0 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	246	66	EP		827	17.340	.000							1.0
MORF	HN	246	66	ES		827	41.70	-.000							1.0
MORF	HN	246	66	IAML		827	42.71			5	0.2				

August 31 2018 Hour: 12: 4 8.7 Lat: 36.36N Lon: 9.79W Depth: 3F 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	146	44	EP		12 4	31.94	-.060							1.0
MORF	HN	146	44	ES		12 4	49.060	.060							1.0
MORF	HE	146	44	IAML		12 4	49.37			8	0.2				
MESJ	HZ	215	40	EP		12 4	40.51	-.120							1.0
MESJ	HE	215	40	ES		12 5	4.050	.120							1.0
MESJ	HN	215	40	IAML		12 5	4.66			2	0.1				

August 31 2018 Hour: 14:40 29.2 Lat: 13.56N Lon: 120.90E Depth:140F Agency: IGL Distant
Rms: 0.0 secs

MINDORO, PHILIPPINES Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MESJ	BZ12253	319	EPP			1459	19.560	.050							1.0
MORF	BZ12319	319	EPP			1459	23.79	-.050							1.0