

# Seismological Bulletin

from the

UNIVERSITY OF LISBON  
FACULTY OF SCIENCE

## IDL Seismic Network

March to April

2016

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Faculty of Science  
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## STATIONS USED

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

Lisboa (IGIDL)  
GGNV

Latitude	38.7165N
Longitude	9.1491W
Height	77m

Marmelete (Picos)  
MORF

Latitude	37.3063N
Longitude	8.6508W
Height	650m

Messejana  
MESJ

Latitude	37.8395N
Longitude	8.2199W
Height	250m

**March 1 2016 Hour: 4:36 1.5 Lat: 35.37N Lon: 3.75W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 3.1ML 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  
 MORF HZ 490 297 EP 437 5.66-.140 1.0  
 MORF HN 490 297 ES 437 52.880.140 1.0  
 MORF HN 490 297 IAML 437 57.41 36 0.2

**March 1 2016 Hour: 9:26 39.7 Lat: 33.18S Lon: 177.59W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 6.1Ms IGL Rms: 0.1 secs**  
**SOUTH OF KERMADEC ISLANDS Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ18912 62 EPKpdf 946 47.300.090 1.0  
 MORF BZ18912 62 EPP 951 52.87-.090 1.0  
 MORF BZ18912 62 IAMs\_20 11 7 45.54 1960 14.7

**March 1 2016 Hour: 15:39 20.0 Lat: 36.64N Lon: 7.30W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 2.3ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 141 302 EP 1539 39.43-.120 1.0  
 MORF HE 141 302 ES 1539 53.960.120 1.0  
 MORF HN 141 302 IAML 1539 56.39 45 0.2

**March 1 2016 Hour: 19:20 6.5 Lat: 36.62N Lon: 9.71W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 121 51 EP 1920 25.51-.030 1.0  
 MORF HN 121 51 ES 1920 39.490.030 1.0  
 MORF HN 121 51 IAML 1920 43.87 9 0.2

**March 2 2016 Hour: 12:49 50.0 Lat: 4.91S Lon: 94.28E Depth: 24F Agency: IGL Distant**  
**Magnitudes: 7.5Ms IGL Rms: 0.1 secs**  
**SOUTHWEST OF SUMATRA, INDONESIA Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ11492 307 EPdif 13 3 47.10-.150 1.0  
 MORF BZ11492 307 EPP 13 8 2.53-.000 1.0  
 MORF BN11492 307 ESS 1322 45.72-.040 1.0  
 MORF BZ11492 307 IAMs\_20 1341 26.53 224000 43.9  
 GGNV BZ11524 308 EPdif 13 3 48.480.030 1.0  
 GGNV BZ11524 308 EPP 13 8 4.680.070 1.0  
 GGNV BE11524 308 ESS 1322 49.680.080 1.0  
 GGNV BN11524 308 IAMs\_20 1350 25.08 125000 14.2

**March 2 2016 Hour: 13:41 12.8 Lat: 36.19N Lon: 8.17W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 3.7ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 131 341 EP 1341 31.07-.050 1.0  
 MORF HN 131 341 ES 1341 44.550.050 1.0  
 MORF HN 131 341 IAML 1341 49.95 1022 0.1

**March 3 2016 Hour: 11:36 27.0 Lat: 35.48N Lon: 3.85W Depth: 4F Agency: IGL Regional**  
**Magnitudes: 4.3ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 476 297 EP 1137 31.03-.040 1.0  
 MORF HE 476 297 ES 1138 17.78-.020 1.0  
 MORF HN 476 297 IAML 1138 28.47 535 0.4  
 GGNV HZ 592 309 EP 1137 45.170.060 0.9

March 3 2016 Hour: 11:51 21.9 Lat: 35.31N Lon: 3.71W Depth: 23F Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	495	298	EP		1152	26.820	0.040							1.0

March 3 2016 Hour: 15:20 44.3 Lat: 35.41N Lon: 3.74W Depth: 14F Agency: IGL Regional  
Magnitudes: 3.0ML IGL Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	489	297	EP		1521	48.80	-0.000							1.0
MORF	HE	489	297	ES		1522	35.930	0.000							1.0
MORF	HN	489	297	IAML		1522	42.11		26	0.4					

March 4 2016 Hour: 2:31 8.1 Lat: 35.40N Lon: 3.86W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	480	298	EP		232	13.01	-0.010							1.0

March 5 2016 Hour: 9:18 16.5 Lat: 35.45N Lon: 3.80W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	481	297	EP		919	21.58	-0.000							1.0

March 5 2016 Hour: 21:0 30.6 Lat: 35.46N Lon: 3.82W Depth: 0 Agency: IGL Regional  
Magnitudes: 3.4ML IGL Rms: 0.1 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	480	297	EP		21	1	35.44	-0.090						1.0
MORF	HN	480	297	ES		21	2	23.030	0.090						1.0
MORF	HN	480	297	IAML		21	2	28.33		74	0.3				

March 6 2016 Hour: 5:55 43.1 Lat: 37.30N Lon: 8.58W Depth: 12F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.0 secs

**SW MONCHIQUÉ, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	276	EP		555	45.39	-0.020							1.0
MORF	HN	6	276	ES		555	47.090	0.020							1.0
MORF	HN	6	276	IAML		555	47.52		60	0.1					

March 6 2016 Hour: 10:1 30.4 Lat: 36.96N Lon: 8.96W Depth: 32F Agency: IGL Regional  
Magnitudes: 1.9ML IGL Rms: 0.0 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	47	35	EP		10	1	39.140	0.030						1.0
MORF	HN	47	35	ES		10	1	45.41	-0.030						1.0
MORF	HN	47	35	IAML		10	1	46.05		63	0.1				

March 6 2016 Hour: 10:56 28.0 Lat: 36.72N Lon: 8.05W Depth: 18F Agency: IGL Regional  
Magnitudes: 1.7ML IGL Rms: 0.0 secs

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	84	321	EP		1056	41.51	-0.040							1.0
MORF	HE	84	321	ES		1056	51.460	0.040							1.0
MORF	HN	84	321	IAML		1056	52.42		25	0.2					

**March 7 2016 Hour: 2:38 19.4 Lat: 35.45N Lon: 3.73W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 487 296 EP 239 24.11-.080 1.0  
 MORF HE 487 296 ES 240 11.530.080 1.0  
 MORF HN 487 296 IAML 240 21.30 23 0.4

**March 7 2016 Hour: 12:33 18.8 Lat: 35.33N Lon: 4.99W Depth: 55F Agency: IGL Regional**  
**Magnitudes: 4.1ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 395 305 EP 1234 10.09-.050 1.0  
 MORF HE 395 305 ES 1234 47.790.200 1.0  
 MORF HN 395 305 IAML 1234 51.89 647 0.3  
 GGNV HN 527 317 ES 1235 15.06-.180 0.9  
 GGNV HN 527 317 IAML 1235 19.14 281 0.3

**March 8 2016 Hour: 2:12 11.4 Lat: 36.80N Lon: 7.97W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 83 313 EP 212 24.700.050 1.0  
 MORF HE 83 313 ES 212 34.29-.050 1.0  
 MORF HN 83 313 IAML 212 35.63 62 0.1

**March 8 2016 Hour: 3:32 24.5 Lat: 36.81N Lon: 10.38W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.1 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 163 70 EP 332 46.76-.130 1.0  
 MORF HE 163 70 ES 333 3.330.130 1.0  
 MORF HN 163 70 IAML 333 4.17 19 0.3

**March 8 2016 Hour: 4:5 5.2 Lat: 37.67N Lon: 1.51W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**  
**SPAIN Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 633 269 EP 4 6 28.63-.010 1.0

**March 8 2016 Hour: 5:36 27.8 Lat: 15.14S Lon: 173.41W Depth: 30F Agency: IGL Distant**  
**Magnitudes: 6.2Ms IGL Rms: 0.1 secs**  
**TONGA Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 GGNV BZ16999 28 EPKp<sub>df</sub> 556 13.880.090 1.0  
 GGNV BZ16999 28 EPP 6 0 5.340.040 1.0  
 GGNV BN16999 28 IAm<sub>s</sub>\_20 658 26.49 6286 28.5  
 MORF BZ17152 29 EPKp<sub>df</sub> 556 15.73-.130 1.0  
 MORF BN17152 29 IAm<sub>s</sub>\_20 656 59.95 4774 29.5

**March 9 2016 Hour: 22:53 39.2 Lat: 37.34N Lon: 8.52W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**  
**NE MONCHIQUE, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 12 252 EP 2253 42.09-.020 1.0  
 MORF HN 12 252 ES 2253 44.260.020 1.0  
 MORF HN 12 252 IAML 2253 44.80 157 0.2

March 9 2016 Hour: 23:46 7.5 Lat: 35.50N Lon: 3.62W Depth: 13F Agency: IGL Regional  
Magnitudes: 4.4ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	493	295	EP		2347	12.720	.020							1.0
MORF	HN	493	295	ES		2348	0.31	-.020							1.0
MORF	HN	493	295	IAML		2348	8.50			766	0.5				

March 10 2016 Hour: 5:25 1.4 Lat: 35.44N Lon: 3.71W Depth: 11F Agency: IGL Regional  
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	489	296	EP		526	6.28	-.010							1.0

March 10 2016 Hour: 22: 6 48.8 Lat: 34.60N Lon: 3.61W Depth: 4F Agency: IGL Regional  
Rms: 0.0 secs

MOROCCO Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	545	305	EP		22 8	1.250	.010							1.0

March 10 2016 Hour: 22:41 9.4 Lat: 35.33N Lon: 3.81W Depth: 23F Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	487	298	EP		2242	13.23	-.020							1.0

March 10 2016 Hour: 23: 4 19.1 Lat: 35.67N Lon: 3.67W Depth: 0 Agency: IGL Regional  
Magnitudes: 3.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	481	294	EP		23 5	24.21	-.060							1.0
MORF	HN	481	294	ES		23 6	11.870	.060							1.0
MORF	HN	481	294	IAML		23 6	18.55			122	0.3				

March 11 2016 Hour: 4:16 46.1 Lat: 35.45N Lon: 3.61W Depth: 0 Agency: IGL Regional  
Magnitudes: 4.9ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	497	296	EP		417	53.00	-.100							1.0
MORF	HE	497	296	ES		418	42.200	.180							1.0
MORF	HN	497	296	IAML		418	49.06			1281	0.5				
GGNV	HZ	611	308	EP		418	6.86	-.060							0.9
GGNV	HN	611	308	ES		419	5.89	-.040							0.9
GGNV	HE	611	308	IAML		419	9.54			2187	0.7				

March 11 2016 Hour: 4:19 49.3 Lat: 35.69N Lon: 3.70W Depth: 0 Agency: IGL Regional  
Magnitudes: 3.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	478	293	EP		420	53.92	-.110							1.0
MORF	HE	478	293	ES		421	41.420	.100							1.0
MORF	HN	478	293	IAML		421	46.61			113	0.3				
GGNV	HE	589	306	ES		422	4.380	.010							0.9
GGNV	HN	589	306	IAML		422	8.63			196	0.5				

March 11 2016 Hour: 9:40 19.7 Lat: 35.68N Lon: 3.69W Depth: 0 Agency: IGL Regional  
Magnitudes: 3.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	479	294	EP		941	24.51	-.110							1.0
MORF	HN	479	294	ES		942	12.110	.110							1.0
MORF	HN	479	294	IAML		942	16.97			111	0.3				

**March 11 2016 Hour: 11:27 35.5 Lat: 36.07N Lon: 8.67W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 137 1 EP 1127 54.52-.090 1.0  
 MORF HN 137 1 ES 1128 8.640.090 1.0  
 MORF HN 137 1 IAML 1128 10.85 10 0.1

**March 11 2016 Hour: 21:53 5.7 Lat: 34.56N Lon: 3.63W Depth: 1F Agency: IGL Regional**  
**MOROCCO Net: MAD Rms: 0.0 secs**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 546 305 EP 2154 18.62-.010 1.0

**March 12 2016 Hour: 4:27 45.1 Lat: 36.99N Lon: 8.45W Depth: 3F 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 39 333 EP 427 51.550.040 1.0  
 MORF HN 39 333 ES 427 56.13-.040 1.0  
 MORF HN 39 333 IAML 427 58.58 27 0.2

**March 12 2016 Hour: 5:20 32.6 Lat: 35.65N Lon: 3.66W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 3.1ML 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  
 MORF HZ 483 294 EP 521 37.83-.110 1.0  
 MORF HN 483 294 ES 522 25.770.110 1.0  
 MORF HN 483 294 IAML 522 30.20 34 0.3

**March 12 2016 Hour: 9:19 59.5 Lat: 35.55N Lon: 3.61W Depth: 7F Agency: IGL Regional**  
**Magnitudes: 3.5ML 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 492 295 EP 921 5.370.090 1.0  
 MORF HN 492 295 ES 921 53.17-.090 1.0  
 MORF HN 492 295 IAML 921 58.00 83 0.2

**March 12 2016 Hour: 13:23 39.2 Lat: 51.39N Lon: 173.88W Depth: 18F Agency: IGL Distant**  
**Magnitudes: 5.4Mb 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  
 MORF BZ10080 12 EP 1336 40.39-.050 1.0  
 MORF BZ10080 12 IAMB 1336 41.28 23 1.0

**March 12 2016 Hour: 14:26 47.2 Lat: 36.97N Lon: 10.89W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 2.6ML 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 202 79 EP 1427 14.380.020 1.0  
 MORF HE 202 79 ES 1427 34.20-.020 1.0  
 MORF HN 202 79 IAML 1427 36.85 47 0.1

**March 12 2016 Hour: 14:34 59.6 Lat: 32.47N Lon: 7.73W Depth: 0 Agency: IGL Regional**  
**MOROCCO Net: IMP Rms: 0.0 secs**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 543 351 EP 1436 12.220.010 1.0

March 12 2016 Hour: 15: 4 5.8 Lat: 35.50N Lon: 3.63W Depth: 10F Agency: IGL Regional  
Magnitudes: 4.6ML 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	493	295	EP		15 5	11.15	-.130							1.0
MORF	HE	493	295	ES		15 5	59.160	.080							1.0
MORF	HN	493	295	IAML		15 6	8.36			698	0.4				
GGNV	HZ	607	308	EP		15 5	24.92	-.080							0.9
GGNV	HN	607	308	ES		15 6	22.940	.130							0.9
GGNV	HN	607	308	IAML		15 6	47.62			1080	0.9				

March 12 2016 Hour: 15:17 12.7 Lat: 35.61N Lon: 3.68W Depth: 9F Agency: IGL Regional  
Magnitudes: 4.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	484	294	EP		1518	17.11	-.090							1.0
MORF	HN	484	294	ES		1519	4.17	-.090							1.0
MORF	HN	484	294	IAML		1519	13.88			1425	0.5				
GGNV	HZ	596	307	EP		1518	30.71	-.000							0.9
GGNV	HE	596	307	ES		1519	27.850	.210							0.9
GGNV	HN	596	307	IAML		1519	33.49			1504	0.7				

March 12 2016 Hour: 18: 6 46.7 Lat: 51.62N Lon: 174.01W Depth: 22F Agency: IGL Distant  
Magnitudes: 6.4Ms 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	9895	12	EP		1819	39.490	.000							1.0
GGNV	BE	9895	12	ESKSac		1830	7.83	-.020							1.0
GGNV	BN	9895	12	ESS		1836	22.280	.030							1.0
GGNV	BZ	9895	12	IAMs_20		19 7	48.08			14083	19.1				
MORF	BZ10056	12	EP			1819	46.27	-.110							1.0
MORF	BZ10056	12	EPP			1823	21.48	-.030							1.0
MORF	BN10056	12	ESKSac			1830	16.640	.090							1.0
MORF	BE10056	12	ESS			1836	43.460	.040							1.0
MORF	BZ10056	12	IAMs_20			19 6	4.97			14254	18.3				

March 12 2016 Hour: 21:38 46.5 Lat: 36.72N Lon: 8.36W Depth: 22F Agency: IGL Regional  
Magnitudes: 2.0ML 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	70	338	EP		2138	58.050	.010							1.0
MORF	HN	70	338	ES		2139	6.42	-.010							1.0
MORF	HN	70	338	IAML		2139	9.26			53	0.1				

March 13 2016 Hour: 0:26 50.8 Lat: 35.31N Lon: 3.29W Depth: 0 Agency: IGL Regional  
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	530	296	EP		028	1.73	-.050							1.0

March 13 2016 Hour: 0:30 24.9 Lat: 35.65N Lon: 3.64W Depth: 12F Agency: IGL Regional  
Magnitudes: 2.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	485	294	EP		031	29.230	.090							1.0
MORF	HN	485	294	ES		032	15.99	-.090							1.0
MORF	HN	485	294	IAML		032	21.65			13	0.3				



**March 13 2016 Hour: 11:25 8.3 Lat: 35.67N Lon: 3.69W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 480 294 EP 1126 11.99-.060 1.0  
 MORF HN 480 294 ES 1126 58.670.060 1.0  
 MORF HE 480 294 IAML 1127 7.22 11 0.3

**March 13 2016 Hour: 20:54 1.5 Lat: 35.33N Lon: 3.79W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 3.6ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 489 298 EP 2055 6.350.050 1.0  
 MORF HN 489 298 ES 2055 53.56-.050 1.0  
 MORF HN 489 298 IAML 2055 57.06 120 0.0

**March 13 2016 Hour: 21:0 34.0 Lat: 35.38N Lon: 3.73W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 2.8ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 490 297 EP 21 1 39.190.080 1.0  
 MORF HN 490 297 ES 21 2 26.53-.080 1.0  
 MORF HN 490 297 IAML 21 2 32.43 17 0.5

**March 13 2016 Hour: 21:56 48.7 Lat: 37.23N Lon: 8.58W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 0.8ML 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 11 323 EP 2156 50.82-.070 1.0  
 MORF HN 11 323 ES 2156 52.550.070 1.0  
 MORF HN 11 323 IAML 2156 53.37 45 0.1

**March 13 2016 Hour: 22:47 52.4 Lat: 36.64N Lon: 12.88W 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 384 78 EP 2248 43.050.120 1.0  
 MORF HE 384 78 ES 2249 19.68-.120 1.0  
 MORF HN 384 78 IAML 2249 22.77 19 0.2

**March 14 2016 Hour: 3:48 45.0 Lat: 36.55N Lon: 8.26W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 1.1ML 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 91 338 EP 348 59.670.180 1.0  
 MORF HE 91 338 ES 349 9.90-.180 1.0  
 MORF HE 91 338 IAML 349 11.72 5 0.2

**March 14 2016 Hour: 6:16 7.0 Lat: 36.88N Lon: 12.42W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 2.9ML 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 339 81 EP 616 54.420.010 1.0  
 MORF HE 339 81 ES 617 29.02-.010 1.0  
 MORF HN 339 81 IAML 617 32.48 46 0.1

**March 14 2016 Hour: 7:26 44.1 Lat: 56.44S Lon: 27.10W Depth:104F Agency: IGL Distant**  
**Magnitudes: 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 BZ10516 15 EP 739 52.41-.010 1.0

**March 14 2016 Hour: 8:29 23.7 Lat: 35.54N Lon: 6.78W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 258 320 EP 829 58.640.040 1.0  
 MORF HE 258 320 ES 830 24.04-.040 1.0  
 MORF HE 258 320 IAML 830 26.89 7 0.3

**March 14 2016 Hour: 16:3 58.3 Lat: 36.89N Lon: 4.88W Depth: 21F Agency: IGL Regional**  
**Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 338 279 EP 16 4 43.820.020 1.0

**March 14 2016 Hour: 23:47 14.7 Lat: 36.67N Lon: 11.21W Depth: 15F Agency: IGL Regional**  
**Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 239 72 EP 2347 48.24-.050 1.0

**March 15 2016 Hour: 0:20 29.5 Lat: 37.22N Lon: 8.62W Depth: 2F Agency: IGL Regional**  
**Magnitudes: 1.4ML 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 10 344 EP 020 31.12-.070 1.0  
 MORF HE 10 344 ES 020 32.470.070 1.0  
 MORF HN 10 344 IAML 020 32.61 297 0.2

**March 15 2016 Hour: 3:42 28.5 Lat: 35.30N Lon: 3.87W Depth: 24F Agency: IGL Regional**  
**Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 484 299 EP 343 31.710.090 1.0

**March 15 2016 Hour: 4:40 39.3 Lat: 35.69N Lon: 3.65W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 5.2ML 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 483 293 EP 441 44.34-.250 1.0  
 MORF HN 483 293 ES 442 32.15-.090 1.0  
 MORF HN 483 293 IAML 442 40.84 3189 0.6  
 GGNV HZ 592 306 EP 441 58.110.250 0.9  
 GGNV HN 592 306 ES 442 55.340.150 0.9  
 GGNV HN 592 306 IAML 442 59.21 3910 0.7

**March 15 2016 Hour: 4:56 40.0 Lat: 35.57N Lon: 3.67W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 486 295 EP 457 44.880.010 1.0  
 MORF HE 486 295 ES 458 32.21-.010 1.0  
 MORF HE 486 295 IAML 458 39.14 24 0.4

**March 15 2016 Hour: 5:0 10.7 Lat: 35.81N Lon: 3.68W Depth: 1 Agency: IGL Regional**  
**Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 475 292 EP 5 1 14.900.010 1.0

**March 15 2016 Hour: 5: 2 8.8 Lat: 35.30N Lon: 3.74W Depth: 26F Agency: IGL Regional**  
**Magnitudes: 3.2ML 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 494 298 EP 5 3 13.010.000 1.0  
 MORF HN 494 298 ES 5 3 59.85-.000 1.0  
 MORF HN 494 298 IAML 5 4 5.06 49 0.4

**March 15 2016 Hour: 5: 8 24.2 Lat: 35.63N Lon: 3.69W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 3.0ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 482 294 EP 5 9 29.28-.090 1.0  
 MORF HN 482 294 ES 510 17.060.090 1.0  
 MORF HN 482 294 IAML 510 26.03 33 0.4

**March 15 2016 Hour: 5:40 38.4 Lat: 35.68N Lon: 3.68W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 480 293 EP 541 43.440.010 1.0  
 MORF HN 480 293 ES 542 30.87-.010 1.0  
 MORF HN 480 293 IAML 542 36.18 11 0.3

**March 15 2016 Hour: 6:30 9.6 Lat: 35.68N Lon: 3.68W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 480 294 EP 631 14.46-.130 1.0  
 MORF HN 480 294 ES 632 2.160.130 1.0  
 MORF HE 480 294 IAML 632 11.39 25 0.6

**March 15 2016 Hour: 8:38 26.1 Lat: 36.36N Lon: 9.00W Depth: 0F 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 110 16 EP 838 43.820.040 1.0  
 MORF HN 110 16 ES 838 56.63-.040 1.0  
 MORF HN 110 16 IAML 838 59.08 6 0.1

**March 15 2016 Hour: 10:30 38.9 Lat: 35.66N Lon: 3.67W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 3.0ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 482 294 EP 1031 44.03-.000 1.0

**March 16 2016 Hour: 6: 3 57.6 Lat: 35.46N Lon: 3.80W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 481 297 EP 6 5 2.60-.010 1.0  
 MORF HN 481 297 ES 6 5 50.090.010 1.0  
 MORF HN 481 297 IAML 6 5 55.18 25 0.3

**March 16 2016 Hour: 10:34 18.8 Lat: 38.26N Lon: 9.27W Depth: 18F Agency: IGL Regional**  
**Magnitudes: 2.4ML IGL Rms: 0.2 secs**  
**SW SESIMBRA, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 GGNV HZ 52 12 EP 1034 27.25-.220 1.0  
 GGNV HE 52 12 ES 1034 33.840.070 1.0  
 GGNV HN 52 12 IAML 1034 36.11 262 0.3  
 MORF HZ 119 153 EP 1034 37.620.250 1.0  
 MORF HE 119 153 ES 1034 50.82-.080 1.0

MORF HN 119 153 IAML 1034 52.38 59 0.3

**March 16 2016 Hour: 16:27 33.9 Lat: 35.29N Lon: 3.71W Depth: 1 Agency: IGL Regional  
Magnitudes: 4.0ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	497	298	EP		1628	40.82	-.040							1.0
MORF	HN	497	298	ES		1629	29.710	.000							1.0
MORF	HN	497	298	IAML		1629	40.25		279	0.3					
GGNV	HZ	616	310	EP		1628	55.210	.040							0.9

**March 16 2016 Hour: 16:39 21.7 Lat: 35.58N Lon: 3.56W Depth: 11F Agency: IGL Regional  
Magnitudes: 3.2ML 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	495	294	EP		1640	27.25	-.030							1.0
MORF	HE	495	294	ES		1641	15.210	.030							1.0
MORF	HE	495	294	IAML		1641	23.90		40	0.5					

**March 16 2016 Hour: 19:39 36.1 Lat: 35.51N Lon: 3.66W Depth: 16F Agency: IGL Regional  
Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	490	295	EP		1940	40.760	.090							1.0

**March 16 2016 Hour: 19:43 8.2 Lat: 35.52N Lon: 3.64W Depth: 10F Agency: IGL Regional  
Magnitudes: 3.3ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	491	295	EP		1944	13.25	-.130							1.0
MORF	HE	491	295	ES		1945	1.110	.130							1.0
MORF	HN	491	295	IAML		1945	10.37		61	0.3					

**March 16 2016 Hour: 21:41 0.2 Lat: 36.82N Lon: 7.54W Depth: 30F Agency: IGL Regional  
Magnitudes: 1.7ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	113	299	EP		2141	17.01	-.050							1.0
MORF	HE	113	299	ES		2141	29.390	.050							1.0
MORF	HN	113	299	IAML		2141	30.88		15	0.2					

**March 16 2016 Hour: 23:10 46.5 Lat: 35.52N Lon: 3.60W Depth: 25F Agency: IGL Regional  
Magnitudes: 3.5ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	494	295	EP		2311	50.71	-.040							1.0
MORF	HN	494	295	ES		2312	37.700	.040							1.0
MORF	HN	494	295	IAML		2312	44.76		85	0.5					

**March 17 2016 Hour: 0:34 28.9 Lat: 39.45N Lon: 9.90W Depth: 31F Agency: IGL Regional  
Magnitudes: 2.2ML 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	262	155	EP		035	3.490	.020							1.0
MORF	HN	262	155	ES		035	28.68	-.020							1.0
MORF	HN	262	155	IAML		035	32.22		11	0.2					

**March 17 2016 Hour: 6: 7 54.4 Lat: 35.71N Lon: 3.75W Depth: 1 Agency: IGL Regional  
Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	473	293	EP		6 8	58.370	.010							1.0

**March 17 2016 Hour: 8:47 38.3 Lat: 37.61N Lon: 8.37W Depth: 1F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.1 secs**  
**SW OURIQUE, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 42 216 EP 847 45.220.130 1.0  
 MORF HN 42 216 ES 847 49.89-.130 1.0  
 MORF HN 42 216 IAML 847 50.85 21 0.1

**March 17 2016 Hour: 16:53 51.0 Lat: 35.56N Lon: 3.62W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 491 295 EP 1654 55.74-.120 1.0  
 MORF HN 491 295 ES 1655 43.330.120 1.0  
 MORF HN 491 295 IAML 1655 50.61 24 0.3

**March 17 2016 Hour: 19:20 53.8 Lat: 36.93N Lon: 8.72W Depth: 26F Agency: IGL Regional**  
**Magnitudes: 1.0ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 42 8 EP 1921 1.560.060 1.0  
 MORF HN 42 8 ES 1921 7.07-.060 1.0  
 MORF HN 42 8 IAML 1921 8.42 11 0.2

**March 17 2016 Hour: 23:24 44.8 Lat: 36.00N Lon: 10.31W Depth: 29F Agency: IGL Regional**  
**Magnitudes: 2.6ML 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 207 45 EP 2325 13.43-.040 1.0  
 MORF HN 207 45 ES 2325 34.450.040 1.0  
 MORF HN 207 45 IAML 2325 36.52 47 0.1

**March 18 2016 Hour: 0:52 44.5 Lat: 35.76N Lon: 4.79W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 2.9ML 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  
 MORF HZ 386 298 EP 053 35.99-.010 1.0  
 MORF HN 386 298 ES 054 13.610.010 1.0  
 MORF HN 386 298 IAML 054 16.45 35 0.2

**March 18 2016 Hour: 1:10 5.3 Lat: 35.56N Lon: 3.80W Depth: 5F Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 477 295 EP 111 9.34-.000 1.0  
 MORF HN 477 295 ES 111 56.100.000 1.0  
 MORF HN 477 295 IAML 112 4.56 11 0.8

**March 18 2016 Hour: 22:47 38.9 Lat: 35.21N Lon: 3.76W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 497 299 EP 2248 43.670.060 1.0

**March 19 2016 Hour: 1:35 12.1 Lat: 51.51N Lon: 174.23W Depth: 17F Agency: IGL Distant**  
**Magnitudes: 6.0Ms 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 9910 12 EP 148 6.290.020 1.0  
 GGNV BN 9910 12 ESKSac 158 35.37-.040 1.0  
 GGNV BN 9910 12 IAMs\_20 235 49.30 4288 13.0  
 MORF BZ10071 11 EP 148 13.08-.070 1.0  
 MORF BN10071 11 ESKSac 158 44.180.090 1.0

MORF BZ10071 11 IAMs\_20 230 15.40 4727 20.9

**March 19 2016 Hour: 9:2 28.9 Lat: 36.50N Lon: 7.77W Depth: 24F Agency: IGL Regional Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	119	319	EP		9	2	46.89	-.080						1.0

**March 19 2016 Hour: 11:26 33.9 Lat: 17.99N Lon: 60.70W Depth: 32F Agency: IGL Distant Magnitudes: 5.9Mb IGL Rms: 0.1 secs**

**ANTIGUA AND BARBUDA REGION Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	5469	54	EP		1135	18.57	-.030							1.0
GGNV	BZ	5469	54	IAMB		1135	19.66			150	1.2				
GGNV	BN	5469	54	ES		1142	22.550	.050							1.0
MORF	BZ	5488	56	EP		1135	19.87	-.110							1.0
MORF	BZ	5488	56	IAMB		1135	21.58			137	1.1				
MORF	BE	5488	56	ES		1142	25.110	.090							1.0

**March 19 2016 Hour: 23:56 34.2 Lat: 35.35N Lon: 3.74W Depth: 16F 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
MORF	HZ	491	298	EP		2357	38.81	-.030							1.0
MORF	HN	491	298	ES		2358	26.080	.030							1.0
MORF	HN	491	298	IAML		2358	31.79			16	0.5				

**March 20 2016 Hour: 2:42 0.5 Lat: 35.60N Lon: 3.60W Depth: 13F Agency: IGL Regional Magnitudes: 2.6ML IGL Rms: 0.1 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	491	294	EP		243	5.35	-.110							1.0
MORF	HN	491	294	ES		243	52.950	.110							1.0
MORF	HN	491	294	IAML		243	58.52			12	0.5				

**March 20 2016 Hour: 3:47 34.1 Lat: 37.32N Lon: 8.58W Depth: 15F Agency: IGL Regional Magnitudes: 0.4ML IGL Rms: 0.1 secs**

**W MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	6	256	EP		347	36.860	.090							1.0
MORF	HN	6	256	ES		347	38.65	-.090							1.0
MORF	HN	6	256	IAML		347	39.15			13	0.1				

**March 20 2016 Hour: 14:36 33.7 Lat: 36.80N Lon: 9.71W Depth: 17F Agency: IGL Regional Magnitudes: 1.7ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	110	59	EP		1436	51.140	.090							1.0
MORF	HN	110	59	ES		1437	3.61	-.090							1.0
MORF	HN	110	59	IAML		1437	5.40			16	0.2				

**March 20 2016 Hour: 22:50 21.4 Lat: 54.33N Lon: 162.80E Depth: 31F Agency: IGL Distant Magnitudes: 6.3Ms 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	9671	354	EP		23	3	3.250	.020						1.0
GGNV	BN	9671	354	ESKSac		2313	28.090	.110							1.0
GGNV	BZ	9671	354	IAMs_20		2348	32.73			13774	23.0				
MORF	BZ	9823	353	EP		23	3	9.76	-.110						1.0
MORF	BN	9823	353	ESKSac		2313	36.48	-.020							1.0
MORF	BZ	9823	353	IAMs_20		2351	43.34			12987	23.0				

**March 21 2016 Hour: 2:33 6.2 Lat: 37.32N Lon: 8.56W Depth: 19F Agency: IGL Regional**  
**Magnitudes: 0.9ML IGL Rms: 0.0 secs**  
**NE MONCHIQUE, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 8 259 EP 233 9.570.020 1.0  
 MORF HE 8 259 ES 233 11.97-.020 1.0  
 MORF HN 8 259 IAML 233 12.79 28 0.1

**March 21 2016 Hour: 3:46 40.8 Lat: 36.41N Lon: 8.12W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 110 335 EP 346 57.86-.070 1.0

**March 21 2016 Hour: 5: 8 29.0 Lat: 35.79N Lon: 10.39W Depth: 70F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 229 42 EP 5 9 0.39-.030 1.0  
 MORF HN 229 42 ES 5 9 23.400.030 1.0  
 MORF HN 229 42 IAML 5 9 25.44 3 0.2

**March 22 2016 Hour: 3:50 22.7 Lat: 37.27N Lon: 8.62W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.6ML IGL Rms: 0.1 secs**  
**SW MONCHIQUE, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 5 326 EP 350 24.68-.070 1.0  
 MORF HN 5 326 ES 350 26.290.070 1.0  
 MORF HN 5 326 IAML 350 26.93 31 0.1

**March 22 2016 Hour: 17:53 30.7 Lat: 35.58N Lon: 3.59W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 3.1ML 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 493 294 EP 1754 34.84-0.02 1.0  
 MORF HN 493 294 ES 1755 21.73 0.02 1.0  
 MORF HN 493 294 IAML 1755 29.02 39 0.4

**March 22 2016 Hour: 23:40 3.4 Lat: 36.53N Lon: 9.81W Depth: 14F 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 135 50 EP 2340 24.14-.060 1.0  
 MORF HE 135 50 ES 2340 39.450.060 1.0  
 MORF HE 135 50 IAML 2340 42.10 6 0.2

**March 23 2016 Hour: 14:57 4.0 Lat: 34.05N Lon: 9.12W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 364 7 EP 1457 51.20-.090 1.0  
 MORF HN 364 7 ES 1458 25.860.090 1.0  
 MORF HN 364 7 IAML 1458 28.07 40 0.2

**March 23 2016 Hour: 19: 6 30.0 Lat: 36.50N Lon: 9.42W Depth: 7F 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 113 37 EP 19 6 48.090.020 1.0  
 MORF HE 113 37 ES 19 7 1.22-.020 1.0  
 MORF HE 113 37 IAML 19 7 3.69 7 0.2

**March 23 2016 Hour: 19:57 21.7 Lat: 36.28N Lon: 4.70W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 2.6ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 371 289 EP 1958 11.15-.100 1.0  
 MORF HE 371 289 ES 1958 47.500.100 1.0  
 MORF HN 371 289 IAML 1958 51.10 17 0.2

**March 23 2016 Hour: 23:11 31.6 Lat: 37.31N Lon: 8.59W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.2ML IGL Rms: 0.1 secs**  
**SW MONCHIQUE, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 5 266 EP 2311 33.54-.090 1.0  
 MORF HN 5 266 ES 2311 35.220.090 1.0  
 MORF HE 5 266 IAML 2311 35.48 14 0.1

**March 23 2016 Hour: 23:39 23.0 Lat: 35.98N Lon: 9.87W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 183 36 EP 2339 50.18-.050 1.0  
 MORF HE 183 36 ES 2340 10.160.050 1.0  
 MORF HE 183 36 IAML 2340 10.49 6 0.1

**March 24 2016 Hour: 5: 7 12.2 Lat: 36.88N Lon: 7.72W Depth: 28F Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 95 300 EP 5 7 27.02-.010 1.0  
 MORF HN 95 300 ES 5 7 37.850.010 1.0  
 MORF HN 95 300 IAML 5 7 39.17 10 0.1

**March 25 2016 Hour: 12: 5 37.0 Lat: 36.65N Lon: 3.53W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 3.7ML 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  
 MORF HZ 462 281 EP 12 6 38.250.010 1.0  
 MORF HE 462 281 ES 12 7 22.90-.010 1.0  
 MORF HN 462 281 IAML 12 7 29.13 157 0.3

**March 25 2016 Hour: 14:34 35.6 Lat: 37.32N Lon: 8.24W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**  
**NE SILVES, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 36 268 EP 1434 41.520.070 1.0  
 MORF HN 36 268 ES 1434 45.68-.070 1.0  
 MORF HN 36 268 IAML 1434 46.54 104 0.3

**March 25 2016 Hour: 19:33 15.5 Lat: 35.61N Lon: 3.60W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 0.0ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 490 294 EP 1934 20.410.020 1.0

**March 25 2016 Hour: 22:28 47.5 Lat: 35.55N Lon: 3.58W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 3.5ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 495 295 EP 2229 52.30-.030 1.0  
 MORF HE 495 295 ES 2230 39.670.030 1.0  
 MORF HE 495 295 IAML 2230 46.20 88 0.2



**March 25 2016 Hour: 22:56 13.0 Lat: 35.64N Lon: 3.65W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 3.3ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 485 294 EP 2257 18.56-.010 1.0  
 MORF HN 485 294 ES 2258 6.460.010 1.0  
 MORF HN 485 294 IAML 2258 14.43 58 0.2

**March 26 2016 Hour: 3:24 24.4 Lat: 2.67S Lon: 67.99E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.7Mb IGL Rms: 0.0 secs**  
**CARLSBERG RIDGE Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ 9019 308 EP 336 39.66-.050 1.0  
 MORF BZ 9019 308 IAMB 336 43.17 142 1.7

**March 26 2016 Hour: 5:46 51.5 Lat: 35.13N Lon: 3.44W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 2.4ML 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 527 299 EP 548 1.060.080 1.0  
 MORF HN 527 299 ES 548 51.64-.080 1.0  
 MORF HN 527 299 IAML 548 56.68 7 0.2

**March 27 2016 Hour: 1:4 58.5 Lat: 35.47N Lon: 3.77W Depth: 2F Agency: IGL Regional**  
**Magnitudes: 2.5ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 483 296 EP 1 6 3.67-.020 1.0  
 MORF HE 483 296 ES 1 6 51.260.020 1.0  
 MORF HN 483 296 IAML 1 6 53.48 8 0.3

**March 27 2016 Hour: 18:1 30.9 Lat: 52.19N Lon: 168.74W Depth: 16F Agency: IGL Distant**  
**Magnitudes: 5.8Mb 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  
 MORF BZ 9909 16 EP 1814 25.410.080 1.0  
 MORF BZ 9909 16 IAMB 1814 27.43 70 1.1

**March 27 2016 Hour: 23:56 20.5 Lat: 35.31N Lon: 3.74W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 3.5ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 494 298 EP 2357 25.49-.010 1.0  
 MORF HE 494 298 ES 2358 12.950.010 1.0  
 MORF HE 494 298 IAML 2358 17.00 98 0.3

**March 28 2016 Hour: 1:33 42.5 Lat: 37.15N Lon: 13.38W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 2.6ML 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 420 86 EP 134 39.140.030 1.0  
 MORF HE 420 86 ES 135 20.40-.030 1.0  
 MORF HE 420 86 IAML 135 23.52 16 0.1

**March 28 2016 Hour: 6:28 8.2 Lat: 35.46N Lon: 3.85W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 3.1ML 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 477 297 EP 629 12.550.000 1.0  
 MORF HN 477 297 ES 629 59.54-.000 1.0  
 MORF HE 477 297 IAML 630 3.96 34 0.3

**March 28 2016 Hour: 14: 8 60.0 Lat: 36.75N Lon: 11.16W Depth: 31F 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 232 74 EP 14 9 30.71-.060 1.0  
 MORF HN 232 74 ES 14 9 53.340.060 1.0  
 MORF HN 232 74 IAML 14 9 54.44 14 0.1

**March 29 2016 Hour: 6:33 6.8 Lat: 35.46N Lon: 3.77W Depth: 21F Agency: IGL Regional**  
**Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 484 296 EP 634 10.14-.030 1.0

**March 29 2016 Hour: 9:18 11.5 Lat: 2.35N Lon: 126.10E Depth: 57F Agency: IGL Distant**  
**Rms: 0.1 secs**  
**MOLUCCA SEA Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ13629 318 EPKpdf 937 0.230.110 1.0

**March 29 2016 Hour: 13: 9 4.4 Lat: 32.36N Lon: 7.78W Depth: 31F Agency: IGL Regional**  
**Rms: 0.0 secs**  
**MOROCCO Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 555 352 EP 1310 14.790.000 1.0

**March 29 2016 Hour: 22:53 58.4 Lat: 35.56N Lon: 3.66W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 3.2ML 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 488 295 EP 2255 2.660.000 1.0  
 MORF HN 488 295 ES 2255 49.56-.000 1.0  
 MORF HN 488 295 IAML 2255 56.99 49 0.4

**March 30 2016 Hour: 0:51 0.4 Lat: 35.46N Lon: 3.76W Depth: 14F Agency: IGL Regional**  
**Magnitudes: 2.4ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 484 296 EP 052 4.33-.080 1.0  
 MORF HN 484 296 ES 052 51.220.080 1.0  
 MORF HE 484 296 IAML 052 56.53 7 0.3

**March 30 2016 Hour: 4:35 27.3 Lat: 35.58N Lon: 6.95W Depth: 30F 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 245 322 EP 436 0.56-.030 1.0  
 MORF HN 245 322 ES 436 24.890.030 1.0  
 MORF HE 245 322 IAML 436 28.37 6 0.1

**March 30 2016 Hour: 14: 9 8.1 Lat: 38.72N Lon: 9.14W Depth: 8F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.1 secs**  
**NE LISBOA, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 GGNV HZ 1 244 EP 14 9 9.31-.070 1.0  
 GGNV HN 1 244 ES 14 9 10.31-.020 1.0  
 GGNV HN 1 244 IAML 14 9 10.66 964 0.2  
 MORF HZ 163 165 EP 14 9 33.050.100 0.9

March 31 2016 Hour: 2:57 20.8 Lat: 34.22N Lon: 9.64W Depth: 27F Agency: IGL Regional  
Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	354	14	EP		258	7.77	-.080							1.0

April 1 2016 Hour: 1:23 46.0 Lat: 37.29N Lon: 8.53W Depth: 4F Agency: IGL Regional  
Magnitudes: 0.9ML 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	280	EP		123	47.70	-.150							1.0
MORF	HE	11	280	ES		123	49.390	.150							1.0
MORF	HN	11	280	IAML		123	49.91		64	0.1					

April 1 2016 Hour: 2:39 8.0 Lat: 33.37N Lon: 136.41E Depth: 10F Agency: IGL Distant  
Magnitudes: 6.5Ms IGL Rms: 0.0 secs

NEAR SOUTH COAST OF WESTERN HONSHU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11285	333	EPdif			252	59.680	.010							1.0
GGNV	BZ11285	333	EPP			257	9.37	-.020							1.0
GGNV	BE11285	333	IAMs_20			345	38.45		19647	22.7					
MORF	BZ11400	332	EPdif			253	4.34	-.020							1.0
MORF	BZ11400	332	EPP			257	17.290	.010							1.0
MORF	BN11400	332	ESKSac			3 3	44.160	.030							1.0
MORF	BN11400	332	IAMs_20			348	25.45		9472	14.0					

April 1 2016 Hour: 20:31 47.1 Lat: 36.62N Lon: 9.80W Depth: 17F Agency: IGL Regional  
Magnitudes: 2.0ML 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	128	53	EP		2032	6.800	.040							1.0
MORF	HN	128	53	ES		2032	21.08	-.040							1.0
MORF	HN	128	53	IAML		2032	23.01		23	0.1					

April 2 2016 Hour: 3:8 16.3 Lat: 35.81N Lon: 8.81W Depth: 24F Agency: IGL Regional  
Magnitudes: 2.2ML 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	167	5	EP		3 8	40.230	.000							1.0
MORF	HN	167	5	ES		3 8	57.70	-.000							1.0
MORF	HN	167	5	IAML		3 8	59.70		26	0.1					

April 2 2016 Hour: 5:50 0.7 Lat: 57.04N Lon: 157.95W Depth: 10F Agency: IGL Distant  
Magnitudes: 6.6Ms IGL Rms: 0.0 secs

ALASKA PENINSULA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9000	24	EP		6 2	15.290	.030							1.0
GGNV	BN	9000	24	ES		612	24.720	.040							1.0
GGNV	BZ	9000	24	IAMs_20		639	29.28		18630	16.2					
MORF	BZ	9162	24	EP		6 2	23.02	-.040							1.0
MORF	BE	9162	24	ES		612	39.86	-.040							1.0
MORF	BN	9162	24	IAMs_20		641	4.77		20724	15.2					

April 2 2016 Hour: 8:5 2.9 Lat: 36.56N Lon: 4.58W Depth: 25F Agency: IGL Regional  
Magnitudes: 2.5ML 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	372	284	EP		8 5	52.29	-.040							1.0
MORF	HE	372	284	ES		8 6	28.420	.040							1.0
MORF	HN	372	284	IAML		8 6	33.17		14	0.3					

**April 2 2016 Hour: 13:10 30.2 Lat: 37.32N Lon: 8.62W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.0 secs**  
**W MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	3	241	EP		1310	32.06	-.050							1.0
MORF	HN	3	241	ES		1310	33.56	0.050							1.0
MORF	HN	3	241	IAML		1310	34.39			119	0.1				

**April 2 2016 Hour: 14:48 4.0 Lat: 35.48N Lon: 3.80W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 3.6ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	480	296	EP		1449	9.00	-.010							1.0
MORF	HN	480	296	ES		1449	56.48	0.010							1.0
MORF	HN	480	296	IAML		1450	0.87			120	0.3				

**April 2 2016 Hour: 14:55 57.1 Lat: 35.34N Lon: 3.74W Depth: 24F 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
MORF	HZ	492	298	EP		1457	1.11	-.030							1.0
MORF	HN	492	298	ES		1457	47.92	0.030							1.0
MORF	HN	492	298	IAML		1457	56.45			14	0.3				

**April 3 2016 Hour: 5:51 8.8 Lat: 35.65N Lon: 3.69W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 0.0ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	481	294	EP		552	13.82	-.090							1.0

**April 3 2016 Hour: 8:23 53.8 Lat: 14.35S Lon: 166.82E Depth: 35F Agency: IGL Distant**  
**Magnitudes: 7.0Ms IGL Rms: 0.0 secs**  
**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17304	352	EPKp <sub>df</sub>			843	42.89	0.040							1.0
GGNV	BZ17304	352	EPP			847	45.97	0.040							1.0
GGNV	BZ17304	352	IAMs_20			954	4.80			34581	26.5				
MORF	BZ17450	351	EPKp <sub>df</sub>			843	44.64	-.040							1.0
MORF	BZ17450	351	EPP			847	53.27	-.040							1.0
MORF	BZ17450	351	IAMs_20			959	17.19			28808	25.3				

**April 3 2016 Hour: 9:43 32.2 Lat: 36.49N Lon: 7.53W Depth: 31F 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	135	313	EP		943	51.00	0.020							1.0
MORF	HE	135	313	ES		944	4.69	-.020							1.0
MORF	HE	135	313	IAML		944	6.08			7	0.1				

**April 3 2016 Hour: 15:50 50.4 Lat: 36.93N Lon: 8.96W Depth: 28F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	50	33	EP		1550	59.20	-.020							1.0
MORF	HN	50	33	ES		1551	5.68	0.020							1.0
MORF	HE	50	33	IAML		1551	6.12			41	0.1				

**April 3 2016 Hour: 18:55.2 Lat: 36.71N Lon: 8.19W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	78	328	EP		18 6	6.75	-.000							1.0
MORF	HE	78	328	ES		18 6	15.93	0.000							1.0
MORF	HE	78	328	IAML		18 6	17.91			14	0.1				

**April 4 2016 Hour: 21:17.48.3 Lat: 35.72N Lon: 9.92W Depth: 25F Agency: IGL Regional**  
**Magnitudes: 3.0ML 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	210	32	EP		2118	17.47	0.010							1.0
MORF	HN	210	32	ES		2118	38.77	-.010							1.0
MORF	HE	210	32	IAML		2118	43.06			110	0.3				

**April 6 2016 Hour: 6:58.50.2 Lat: 14.11S Lon: 166.57E Depth: 34F Agency: IGL Distant**  
**Magnitudes: 7.0Ms IGL Rms: 0.0 secs**  
**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17274	352	EPK	pdf		718	39.03	0.010							1.0
GGNV	BZ17274	352	EPP			722	40.93	-.020							1.0
GGNV	BZ17274	352	IAMs	20		828	53.31			22719	14.2				
MORF	BZ17419	350	EPK	pdf		718	40.82	-.030							1.0
MORF	BZ17419	350	EPP			722	48.34	0.040							1.0
MORF	BZ17419	350	IAMs	20		839	15.36			15151	17.6				

**April 6 2016 Hour: 7:54.44.8 Lat: 35.55N Lon: 3.63W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 2.5ML 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	491	295	EP		755	49.04	-.060							1.0
MORF	HE	491	295	ES		756	36.07	0.060							1.0
MORF	HN	491	295	IAML		756	38.88			10	0.3				

**April 7 2016 Hour: 3:32.53.5 Lat: 13.99S Lon: 166.57E Depth: 27F Agency: IGL Distant**  
**Magnitudes: 6.8Ms IGL Rms: 0.0 secs**  
**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17261	352	EPK	pdf		352	43.23	-.030							1.0
GGNV	BZ17261	352	EPP			356	44.70	0.050							1.0
GGNV	BZ17261	352	IAMs	20		5 2	53.26			21001	25.4				
MORF	BZ17407	350	EPK	pdf		352	45.03	-.070							1.0
MORF	BZ17407	350	EPP			356	52.07	0.050							1.0
MORF	BZ17407	350	IAMs	20		5 5	8.11			12845	17.5				

**April 7 2016 Hour: 8:57.44.6 Lat: 36.72N Lon: 8.46W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	67	345	EP		857	55.59	0.050							1.0
MORF	HN	67	345	ES		858	3.48	-.050							1.0
MORF	HE	67	345	IAML		858	5.66			33	0.1				

**April 7 2016 Hour: 11:52.10.7 Lat: 36.26N Lon: 8.43W Depth: 12F 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	118	350	EP		1152	29.30	0.030							1.0
MORF	HN	118	350	ES		1152	42.77	-.030							1.0
MORF	HN	118	350	IAML		1152	44.66			6	0.1				

**April 7 2016 Hour: 12:22 22.5 Lat: 10.53N Lon: 62.60W Depth: 84F Agency: IGL Distant**  
**Magnitudes: 5.4Mb IGL Rms: 0.1 secs**  
**GULF OF PARIÁ, VENEZUELA Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ 6142 52 EP 1231 46.54-.070 1.0  
 MORF BZ 6142 52 IAMB 1231 47.38 44 1.0

**April 7 2016 Hour: 12:54 14.3 Lat: 35.58N Lon: 3.57W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 3.1ML 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 494 294 EP 1255 19.63-.010 1.0  
 MORF HN 494 294 ES 1256 7.340.010 1.0  
 MORF HN 494 294 IAML 1256 12.43 35 0.3

**April 8 2016 Hour: 7:10 7.4 Lat: 35.46N Lon: 3.82W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 3.3ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 479 297 EP 711 12.17-.010 1.0  
 MORF HN 479 297 ES 711 59.440.010 1.0  
 MORF HN 479 297 IAML 712 4.14 63 0.3

**April 9 2016 Hour: 3:2 6.6 Lat: 36.52N Lon: 9.94W Depth: 32F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 144 52 EP 3 2 27.340.000 1.0  
 MORF HN 144 52 ES 3 2 42.45-.000 1.0  
 MORF HE 144 52 IAML 3 2 43.95 7 0.1

**April 9 2016 Hour: 3:59 47.8 Lat: 38.85N Lon: 11.43W Depth: 28F Agency: IGL Regional**  
**Magnitudes: 1.5ML 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 298 124 EP 4 0 27.80-.000 1.0

**April 9 2016 Hour: 18:43 17.1 Lat: 36.25N Lon: 10.80W Depth: 28F Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 225 58 EP 1843 48.03-.020 1.0  
 MORF HN 225 58 ES 1844 10.640.020 1.0  
 MORF HN 225 58 IAML 1844 11.55 14 0.3

**April 10 2016 Hour: 8:10 20.8 Lat: 37.25N Lon: 8.44W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 1.0ML 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 20 289 EP 810 24.42-.150 1.0  
 MORF HN 20 289 ES 810 27.480.150 1.0  
 MORF HN 20 289 IAML 810 28.15 30 0.1

**April 10 2016 Hour: 10:28 57.9 Lat: 36.49N Lon: 71.16E Depth:210FAgency: IGL Distant**  
**Magnitudes: 6.4Mb IGL Rms: 0.1 secs**  
**HINDU KUSH REGION, AFGHANISTAN Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 GGNV BZ 6854 299 EP 1038 53.530.080 1.0  
 GGNV BZ 6854 299 IAMB 1038 56.33 1066 1.5  
 MORF BZ 6882 297 EP 1038 55.25-.020 1.0  
 MORF BZ 6882 297 IAMB 1038 57.15 1891 2.2  
 MORF BE 6882 297 ES 1047 2.78-.060 1.0

**April 10 2016 Hour: 10:53 43.7 Lat: 37.13N Lon: 13.86W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 3.0ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 463 86 EP 1054 42.950.000 1.0  
 MORF HE 463 86 ES 1055 26.19-.000 1.0  
 MORF HE 463 86 IAML 1055 28.51 33 0.1

**April 11 2016 Hour: 0:7 28.8 Lat: 35.74N Lon: 6.24W Depth: 23F Agency: IGL Regional**  
**Magnitudes: 2.5ML 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 277 310 EP 0 8 6.82-.010 1.0  
 MORF HN 277 310 ES 0 8 34.580.010 1.0  
 MORF HN 277 310 IAML 0 8 37.86 23 0.4

**April 11 2016 Hour: 9:40 2.7 Lat: 37.36N Lon: 9.42W Depth: 3F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 68 95 EP 940 13.800.020 1.0  
 MORF HN 68 95 ES 940 21.83-.020 1.0  
 MORF HN 68 95 IAML 940 25.30 31 0.2

**April 11 2016 Hour: 22:24 34.5 Lat: 36.60N Lon: 11.11W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 2.4ML IGL Rms: 0.1 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 233 70 EP 2225 6.61-.060 1.0  
 MORF HE 233 70 ES 2225 30.190.060 1.0  
 MORF HN 233 70 IAML 2225 34.32 23 0.3

**April 12 2016 Hour: 4:0 52.2 Lat: 36.43N Lon: 9.64W Depth: 15F Agency: IGL Regional**  
**Magnitudes: 2.2ML 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 131 42 EP 4 1 12.45-.020 1.0  
 MORF HN 131 42 ES 4 1 27.320.020 1.0  
 MORF HN 131 42 IAML 4 1 28.80 35 0.3

**April 13 2016 Hour: 2:44 0.5 Lat: 36.64N Lon: 7.63W Depth: 19F 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 117 309 EP 244 18.69-.010 1.0  
 MORF HE 117 309 ES 244 32.000.010 1.0  
 MORF HN 117 309 IAML 244 36.09 17 0.3

**April 13 2016 Hour: 3:48 59.0 Lat: 35.55N Lon: 3.72W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 0.0ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 483 295 EP 350 4.31-.020 1.0

**April 13 2016 Hour: 13:55 17.7 Lat: 23.14N Lon: 94.93E Depth:137FAgency: IGL Distant**  
**Magnitudes: 7.2Mb IGL Rms: 0.1 secs**  
**MYANMAR Net: CSEM**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 GGNV BZ 9579 310 EP 14 7 43.450.120 1.0  
 GGNV BZ 9579 310 IAMB 14 7 46.84 5292 1.5  
 GGNV BZ 9579 310 EPP 1411 4.960.020 1.0  
 GGNV BN 9579 310 ESKSac 1417 55.280.050 1.0  
 MORF BZ 9609 309 EP 14 7 44.74-.030 1.0

MORF BZ 9609 309	IAMB	14 7 47.43	4440 1.5	
MORF BZ 9609 309	EPP	14 8 19.05-.190		0.9
MORF BZ 9609 309	EPP	1411 7.250.020		1.0

**April 13 2016 Hour: 18:21 52.0 Lat: 7.81N Lon: 121.97E Depth: 12F Agency: IGL Distant**  
**Magnitudes: 5.7Ms IGL Rms: 0.0 secs**

**MINDANAO, PHILIPPINES Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ12874	318	EPP			1841	36.590	.050							1.0
MORF	BE12874	318	ESS			1857	37.88-	.050							1.0
MORF	BZ12874	318	IAMS_20			1938	41.62		1667	17.0					

**April 13 2016 Hour: 19:35 16.4 Lat: 36.58N Lon: 9.73W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 1.6ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	125	50	EP		1935	35.910	.000							1.0
MORF	HN	125	50	ES		1935	50.14-	.000							1.0
MORF	HN	125	50	IAML		1935	51.17		9	0.2					

**April 13 2016 Hour: 20: 1 58.1 Lat: 20.97S Lon: 66.53W Depth: 225F Agency: IGL Distant**  
**Magnitudes: 5.2Mb IGL Rms: 0.0 secs**

**POTOSI, BOLIVIA Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ 8851	43	EP			2013	40.170	.040							1.0
MORF	BZ 8851	43	IAMB			2013	41.38		50	0.9					

**April 14 2016 Hour: 3: 6 9.0 Lat: 53.78N Lon: 160.77E Depth: 32F Agency: IGL Distant**  
**Magnitudes: 5.3Ms 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 9716	352	EP			318	52.51-	.100							1.0
GGNV	BZ 9716	352	IAMS_20			4 6	42.34		1098	18.1					
MORF	BZ 9867	352	EP			318	59.240	.100							1.0
MORF	BZ 9867	352	IAMS_20			4 6	57.75		842	16.0					

**April 14 2016 Hour: 12: 1 33.9 Lat: 35.42N Lon: 3.77W Depth: 5F Agency: IGL Regional**  
**Magnitudes: 2.8ML IGL Rms: 0.0 secs**

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	486	297	EP		12 2	39.02-	.020							1.0
MORF	HN	486	297	ES		12 3	26.620	.020							1.0
MORF	HN	486	297	IAML		12 3	32.25		18	0.3					

**April 14 2016 Hour: 12:17 5.5 Lat: 14.50S Lon: 166.48E Depth: 10F Agency: IGL Distant**  
**Magnitudes: 0.1 secs**

**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17315	352	EPKpdf			1236	58.720	.060							1.0
MORF	BZ17460	350	EPKpdf			1237	0.41-	.060							1.0

**April 14 2016 Hour: 21:39 8.2 Lat: 36.89N Lon: 8.95W Depth: 28F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.1 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	53	30	EP		2139	17.570	.100							1.0
MORF	HN	53	30	ES		2139	24.14-	.100							1.0
MORF	HN	53	30	IAML		2139	25.46		3	0.1					



April 14 2016 Hour: 21:50 27.7 Lat: 14.52S Lon: 166.35E Depth: 16F Agency: IGL Distant  
Magnitudes: 6.4Ms IGL Rms: 0.0 secs

VANUATU Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17315	351	EP	KPdif		2210	19.970	.090							1.0
GGNV	BZ17315	351	EPP			2214	23.22	-.030							1.0
GGNV	BZ17315	351	IAMs	_20		2324	59.92		6635	19.7					
MORF	BZ17460	350	EP	KPdif		2210	21.65	-.030							1.0
MORF	BZ17460	350	EPP			2214	30.53	-.020							1.0
MORF	BZ17460	350	IAMs	_20		2331	25.02		4040	13.4					

April 14 2016 Hour: 23:15 7.0 Lat: 7.48S Lon: 128.07E Depth: 129F Agency: IGL Distant  
Rms: 0.0 secs

KEPULAUAN BARAT DAYA, INDONESIA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ14562	314	EP			2334	2.680	.010							1.0

April 14 2016 Hour: 23:16 15.6 Lat: 36.91N Lon: 9.01W Depth: 30F Agency: IGL Regional  
Magnitudes: 0.7ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	54	36	EP		2316	25.09	-.000							1.0
MORF	HN	54	36	ES		2316	32.030	.000							1.0
MORF	HE	54	36	IAML		2316	33.67		3	0.1					

April 15 2016 Hour: 14:11 27.0 Lat: 13.42N Lon: 92.28W Depth: 25F Agency: IGL Distant  
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

OFFSHORE GUATEMALA Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8507	53	EP		1423	14.55	-.090							1.0
GGNV	BZ	8507	53	IAMB		1423	25.19		116	1.0					
GGNV	BE	8507	53	ES		1432	59.270	.060							1.0
MORF	BZ	8568	54	EP		1423	17.84	-.020							1.0
MORF	BZ	8568	54	IAMB		1423	26.14		39	1.1					
MORF	BE	8568	54	ES		1433	5.470	.050							1.0

April 15 2016 Hour: 16:25 6.3 Lat: 32.78N Lon: 130.73E Depth: 10F Agency: IGL Distant  
Magnitudes: 7.8Ms IGL Rms: 0.1 secs

KYUSHU, JAPAN Net: NEIC

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ11086	329	EP	dif		1638	50.030	.020							1.0
GGNV	BZ11086	329	EPP			1642	54.02	-.110							1.0
GGNV	BN11086	329	ES	KSac		1649	28.60	-.030							1.0
GGNV	BN11086	329	ESS			1657	16.400	.080							1.0
GGNV	BZ11086	329	IAMs	_20		1730	42.46		295000	16.9					
MORF	BZ11192	328	EP	dif		1638	54.29	-.040							1.0
MORF	BZ11192	328	EPP			1643	1.510	.060							1.0
MORF	BN11192	328	ES	KSac		1649	33.570	.120							1.0
MORF	BE11192	328	ESS			1657	29.65	-.110							1.0
MORF	BZ11192	328	IAMs	_20		1729	5.61		319000	19.5					

April 15 2016 Hour: 19: 8 10.4 Lat: 37.22N Lon: 8.53W Depth: 21F Agency: IGL Regional  
Magnitudes: 0.9ML IGL Rms: 0.0 secs

NW SILVES, PORTUGAL Net: IMP

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	312	EP		19 8	14.49	-.010							1.0
MORF	HN	14	312	ES		19 8	17.480	.010							1.0
MORF	HN	14	312	IAML		19 8	18.24		22	0.1					

**April 16 2016 Hour: 19:54.4 Lat: 35.54N Lon: 2.24W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 2.7ML IGL Rms: 0.1 secs**  
**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	607	291	EP		19	7	9.69							1.0
MORF	HE	607	291	ES		19	8	8.52							1.0
MORF	HN	607	291	IAML		19	8	13.54			9	0.3			

**April 16 2016 Hour: 20:12.54.5 Lat: 37.34N Lon: 8.49W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 0.7ML IGL Rms: 0.1 secs**  
**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	255	EP		2012		57.67							1.0
MORF	HN	15	255	ES		2013		0.18							1.0
MORF	HN	15	255	IAML		2013		0.66			22	0.2			

**April 16 2016 Hour: 23:58.36.8 Lat: 0.37N Lon: 79.94W Depth: 19F Agency: IGL Distant**  
**Magnitudes: 7.6Ms IGL Rms: 0.1 secs**  
**NEAR COAST OF ECUADOR Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8332	50	EP		010		16.43							1.0
GGNV	BE	8332	50	ES		019		53.07							1.0
GGNV	BE	8332	50	IAMs_20		036		53.53			310000	19.6			
MORF	BZ	8343	51	EP		010		17.05							1.0
MORF	BN	8343	51	ES		019		54.36							1.0
MORF	BE	8343	51	IAMs_20		037		11.86			444000	31.8			

**April 17 2016 Hour: 0:29.32.1 Lat: 0.29S Lon: 80.47W Depth: 14F Agency: IGL Distant**  
**Magnitudes: 5.7Mb IGL Rms: 0.0 secs**  
**NEAR COAST OF ECUADOR Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8435	51	EP		041		17.87							1.0
MORF	BZ	8435	51	IAMB		041		20.34			89	1.1			

**April 17 2016 Hour: 2:18.0.3 Lat: 0.30S Lon: 80.34W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.3Mb IGL Rms: 0.1 secs**  
**NEAR COAST OF ECUADOR Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ	8424	51	EP		229		46.00							1.0
MORF	BZ	8424	51	IAMB		229		46.44			28	1.0			

**April 17 2016 Hour: 5:52.9.9 Lat: 37.33N Lon: 8.57W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.6ML IGL Rms: 0.0 secs**  
**NW MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	8	250	EP		552		12.11							1.0
MORF	HN	8	250	ES		552		13.85							1.0
MORF	HN	8	250	IAML		552		14.34			28	0.1			

**April 17 2016 Hour: 7:13.57.7 Lat: 0.44S Lon: 80.27W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.5Ms IGL Rms: 0.0 secs**  
**NEAR COAST OF ECUADOR Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8418	50	EP		725		43.08							1.0
GGNV	BZ	8418	50	IAMs_20		8	0	47.67			3035	20.7			
MORF	BZ	8428	51	EP		725		43.73							1.0
MORF	BE	8428	51	ES		735		26.17							1.0
MORF	BZ	8428	51	IAMs_20		752		55.62			3280	36.9			

**April 17 2016 Hour: 7:31 4.0 Lat: 23.60S Lon: 174.32W Depth: 35F Agency: IGL Distant**  
**Magnitudes: 5.7Ms IGL Rms: 0.1 secs**  
**TONGA REGION Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ17981 39 EPKpdf 751 0.680.090 1.0  
 MORF BZ17981 39 IAMS\_20 859 33.76 1316 24.5

**April 17 2016 Hour: 9:23 40.7 Lat: 0.25S Lon: 80.72W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.2Ms IGL Rms: 0.0 secs**  
**NEAR COAST OF ECUADOR Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 GGNV BZ 8442 50 EP 935 27.30-.040 1.0  
 GGNV BZ 8442 50 IAMS\_20 10 8 26.62 3813 56.1  
 MORF BZ 8454 51 EP 935 28.00-.010 1.0  
 MORF BE 8454 51 ES 945 11.810.050 1.0  
 MORF BZ 8454 51 IAMS\_20 1021 32.43 751 13.9

**April 17 2016 Hour: 9:31 29.8 Lat: 37.88N Lon: 8.71W Depth: 20F Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.0 secs**  
**S SANTIAGO DO CACEM, PORTUGAL**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 64 175 EP 931 40.32-.030 1.0  
 MORF HE 64 175 ES 931 48.060.030 1.0  
 MORF HN 64 175 IAML 931 49.49 16 0.2

**April 17 2016 Hour: 16:18 0.9 Lat: 36.62N Lon: 9.78W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.1 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 126 53 EP 1618 20.36-.080 1.0  
 MORF HN 126 53 ES 1618 34.820.080 1.0  
 MORF HN 126 53 IAML 1618 37.64 18 0.1

**April 17 2016 Hour: 23:54 58.1 Lat: 37.34N Lon: 8.49W Depth: 16F Agency: IGL Regional**  
**Magnitudes: 0.6ML IGL Rms: 0.0 secs**  
**NE MONCHIQUE, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 15 255 EP 2355 1.60-.020 1.0  
 MORF HN 15 255 ES 2355 4.210.020 1.0  
 MORF HN 15 255 IAML 2355 4.78 14 0.2

**April 18 2016 Hour: 1:14 9.9 Lat: 35.26N Lon: 3.70W Depth: 24F Agency: IGL Regional**  
**Magnitudes: 1.4ML IGL Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 499 298 EP 1 2 54.850.010 1.0

**April 18 2016 Hour: 13:6 9.8 Lat: 19.49S Lon: 169.09E Depth: 66F Agency: IGL Distant**  
**Magnitudes: 5.5Ms IGL Rms: 0.0 secs**  
**VANUATU Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ18043 354 EPKpdf 1326 3.060.020 1.0  
 MORF BZ18043 354 IAMS\_20 1437 31.24 1002 28.4

**April 18 2016 Hour: 21:58 43.5 Lat: 36.78N Lon: 10.74W Depth: 27F Agency: IGL Regional**  
**Magnitudes: 2.5ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 195 72 EP 2159 10.760.020 1.0  
 MORF HN 195 72 ES 2159 30.60-.020 1.0  
 MORF HN 195 72 IAML 2159 31.14 37 0.2

April 19 2016 Hour: 5:25 40.9 Lat: 55.63S Lon: 27.23W Depth: 11F Agency: IGL Distant  
Magnitudes: 6.4Ms 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	BZ10431	15	EP			538	57.37	-.090							1.0
MORF	BN10431	15	ESKSac			549	33.120	.140							1.0
MORF	BZ10431	15	IAMs_20			616	8.99		9239	17.6					
GGNV	BZ10577	14	EP			539	3.24	-.090							1.0
GGNV	BN10577	14	ESKSac			549	39.990	.040							1.0
GGNV	BN10577	14	IAMs_20			616	29.28		14305	16.0					

April 19 2016 Hour: 22:22 26.3 Lat: 0.56N Lon: 80.06W Depth: 15F Agency: IGL Distant  
Magnitudes: 5.8Mb IGL Rms: 0.0 secs

**NEAR COAST OF ECUADOR Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ 8328	50	EP			2234	6.23	-.010							1.0
GGNV	BZ 8328	50	IAMB			2234	7.88		199	1.4					
MORF	BZ 8340	52	EP			2234	6.93	-.020							1.0
MORF	BZ 8340	52	IAMB			2234	8.26		101	1.4					
MORF	BE 8340	52	ES			2243	44.720	.030							1.0

April 20 2016 Hour: 5:27 1.9 Lat: 35.83N Lon: 3.48W Depth: 1 Agency: IGL Regional  
Magnitudes: 2.4ML IGL Rms: 0.0 secs

**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	491	291	EP		528	8.120	.030							1.0
MORF	HN	491	291	ES		528	56.36	-.030							1.0
MORF	HN	491	291	IAML		529	4.65		8	0.1					

April 20 2016 Hour: 8:33 47.3 Lat: 0.64N Lon: 80.21W Depth: 15F Agency: IGL Distant  
Magnitudes: 5.8Ms IGL Rms: 0.0 secs

**NEAR COAST OF ECUADOR Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ 8336	50	EP			845	27.730	.030							1.0
GGNV	BN 8336	50	ES			855	5.16	-.010							1.0
GGNV	BZ 8336	50	IAMs_20			915	53.39		5924	24.7					
MORF	BZ 8349	52	EP			845	28.41	-.020							1.0
MORF	BZ 8349	52	EPP			848	15.72	-.020							1.0
MORF	BN 8349	52	ES			855	6.590	.030							1.0
MORF	BZ 8349	52	IAMs_20			920	2.45		5190	17.4					

April 20 2016 Hour: 10:51 40.0 Lat: 13.20N Lon: 55.93W Depth: 10F Agency: IGL Distant  
Magnitudes: 5.7Mb IGL Rms: 0.0 secs

**NORTH ATLANTIC OCEAN Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ 5388	52	EP			11 0	22.32	-.040							1.0
MORF	BZ 5388	52	IAMB			11 0	23.27		74	1.0					
MORF	BN 5388	52	ES			11 7	23.960	.040							1.0

April 20 2016 Hour: 12:19 44.8 Lat: 37.82N Lon: 141.57E Depth: 39F Agency: IGL Distant  
Magnitudes: 6.0Ms 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
GGNV	BZ11030	337	EPP			1237	24.88	-.020							1.0
GGNV	BN11030	337	IAMs_20			1320	12.56		6611	25.1					
MORF	BZ11157	336	EPP			1237	33.640	.020							1.0
MORF	BZ11157	336	IAMs_20			1319	14.58		5390	20.3					

**April 20 2016 Hour: 13:50 6.9 Lat: 37.90N Lon: 7.89W Depth: 12F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.0 secs**  
**SW BEJA, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 94 226 EP 1350 22.19-.020 1.0  
 MORF HN 94 226 ES 1350 32.790.020 1.0  
 MORF HN 94 226 IAML 1350 34.69 20 0.2

**April 20 2016 Hour: 23:25 31.2 Lat: 35.70N Lon: 3.56W Depth: 0 Agency: IGL Regional**  
**Magnitudes: 3.7ML 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 489 293 EP 2326 37.25-.030 1.0  
 MORF HN 489 293 ES 2327 25.630.090 1.0  
 MORF HN 489 293 IAML 2327 30.07 116 0.3  
 GGNV HN 598 306 ES 2327 48.20-.070 0.9  
 GGNV HN 598 306 IAML 2328 3.09 144 0.4

**April 21 2016 Hour: 7:13 41.8 Lat: 39.23N Lon: 11.70W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 1.8ML IGL Rms: 0.0 secs**  
**NORTH ATLANTIC OCEAN Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 342 128 EP 714 26.390.050 1.0  
 MORF HN 342 128 ES 714 58.78-.050 1.0  
 MORF HN 342 128 IAML 715 1.46 3 0.2

**April 21 2016 Hour: 18: 7 43.4 Lat: 22.34S Lon: 67.45W Depth:160F Agency: IGL Distant**  
**Magnitudes: 5.1Mb IGL Rms: 0.0 secs**  
**POTOSI, BOLIVIA Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ 9026 44 EP 1819 41.00-.040 1.0  
 MORF BZ 9026 44 IAmb 1819 42.71 45 1.3

**April 21 2016 Hour: 21:44 31.6 Lat: 36.66N Lon: 11.17W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 235 72 EP 2145 4.32-.040 1.0  
 MORF HN 235 72 ES 2145 28.290.040 1.0  
 MORF HE 235 72 IAML 2145 29.28 5 0.1

**April 22 2016 Hour: 3: 3 40.6 Lat: 0.33S Lon: 80.54W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.8Ms IGL Rms: 0.1 secs**  
**NEAR COAST OF ECUADOR Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 GGNV BZ 8433 50 EP 315 26.820.030 1.0  
 GGNV BN 8433 50 ES 325 9.41-.090 1.0  
 GGNV BZ 8433 50 IAMs\_20 352 37.17 4524 17.0  
 MORF BZ 8444 51 EP 315 27.42-.020 1.0  
 MORF BN 8444 51 ES 325 10.810.080 1.0  
 MORF BZ 8444 51 IAMs\_20 354 28.59 3024 15.3

**April 22 2016 Hour: 3:20 11.6 Lat: 0.29S Lon: 80.51W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.7Mb IGL Rms: 0.1 secs**  
**NEAR COAST OF ECUADOR Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ 8438 51 EP 331 58.07-.060 1.0  
 MORF BZ 8438 51 IAmb 332 5.11 97 1.5

**April 22 2016 Hour: 4:31 33.4 Lat: 0.41S Lon: 80.59W Depth: 11F Agency: IGL Distant**  
**Magnitudes: 5.0Mb IGL Rms: 0.0 secs**  
**NEAR COAST OF ECUADOR Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ 8454 51 EP 443 20.58-.040 1.0  
 MORF BZ 8454 51 IAMB 443 21.48 14 0.9

**April 22 2016 Hour: 8:52 24.7 Lat: 0.27S Lon: 80.55W Depth: 47F Agency: IGL Distant**  
**Magnitudes: 5.1Mb IGL Rms: 0.0 secs**  
**NEAR COAST OF ECUADOR Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ 8441 51 EP 9 4 6.23-.000 1.0  
 MORF BZ 8441 51 IAMB 9 4 7.82 31 1.3

**April 22 2016 Hour: 8:57 49.5 Lat: 36.17N Lon: 8.18W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 4.9Mb 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 133 342 EP 858 8.02-.020 1.0

**April 22 2016 Hour: 16:50 2.3 Lat: 36.57N Lon: 11.86W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 2.9ML IGL Rms: 0.1 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 297 73 EP 1650 43.810.080 1.0  
 MORF HN 297 73 ES 1651 13.87-.080 1.0  
 MORF HN 297 73 IAML 1651 17.56 50 0.2

**April 22 2016 Hour: 18:20 34.5 Lat: 35.28N Lon: 9.09W Depth: 31F 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 228 10 EP 1821 4.81-.110 1.0  
 MORF HN 228 10 ES 1821 27.220.110 1.0  
 MORF HE 228 10 IAML 1821 28.79 4 0.2

**April 22 2016 Hour: 21: 6 21.0 Lat: 36.70N Lon: 9.72W Depth: 16F 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 117 54 EP 21 6 39.31-.110 1.0  
 MORF HE 117 54 ES 21 6 52.930.110 1.0  
 MORF HE 117 54 IAML 21 6 54.16 5 0.1

**April 23 2016 Hour: 0:37 37.4 Lat: 36.16N Lon: 8.56W Depth: 13F Agency: IGL Regional**  
**Magnitudes: 1.7ML IGL Rms: 0.0 secs**  
**WEST OF GIBRALTAR Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 127 356 EP 037 57.41-.000 1.0  
 MORF HN 127 356 ES 038 12.020.000 1.0  
 MORF HN 127 356 IAML 038 13.02 11 0.2

**April 23 2016 Hour: 1:18 59.5 Lat: 37.31N Lon: 8.50W Depth: 11F Agency: IGL Regional**  
**Magnitudes: 0.5ML IGL Rms: 0.1 secs**  
**E MONCHIQUE, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 13 268 EP 119 2.24-.140 1.0  
 MORF HE 13 268 ES 119 4.600.140 1.0  
 MORF HN 13 268 IAML 119 5.28 14 0.2

**April 23 2016 Hour: 1:24 33.8 Lat: 0.60N Lon: 80.27W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.5Mb IGL Rms: 0.1 secs**  
**NEAR COAST OF ECUADOR Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8344	50	EP		136	15.400	.010							1.0
GGNV	BZ	8344	50	IAmb		136	20.61			46	1.0				
GGNV	BN	8344	50	ES		145	53.840	.020							1.0
MORF	BZ	8356	52	EP		136	16.02	-.100							1.0
MORF	BZ	8356	52	IAmb		136	22.68			85	1.5				
MORF	BN	8356	52	ES		145	55.270	.060							1.0

**April 23 2016 Hour: 4: 8 24.4 Lat: 35.83N Lon: 3.31W Depth: 15F Agency: IGL Regional**  
**Rms: 0.0 secs**  
**STRAIT OF GIBRALTAR Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	506	291	EP		4	9	30.95	-.000						1.0

**April 24 2016 Hour: 6:47 42.1 Lat: 37.34N Lon: 8.49W Depth: 7F Agency: IGL Regional**  
**Magnitudes: 1.1ML IGL Rms: 0.1 secs**  
**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	15	255	EP		647	44.69	-.120							1.0
MORF	HN	15	255	ES		647	46.880	.120							1.0
MORF	HE	15	255	IAML		647	47.12			71	0.2				

**April 24 2016 Hour: 15:54 3.3 Lat: 33.53N Lon: 11.49W Depth: 31F Agency: IGL Regional**  
**Magnitudes: 4.7ML IGL Rms: 0.3 secs**  
**MADEIRA ISLANDS, PORTUGAL REGION Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	492	31	EP		1555	6.210	.070							1.0
MORF	HE	492	31	ES		1555	51.60	-.400							1.0
MORF	HE	492	31	IAML		1555	54.03			1067	0.5				
GGNV	HE	613	19	ES		1556	17.650	.380							0.9
GGNV	HN	613	19	IAML		1556	26.18			1315	0.2				

**April 24 2016 Hour: 20:48 5.9 Lat: 37.37N Lon: 8.51W Depth: 10F Agency: IGL Regional**  
**Magnitudes: 1.2ML IGL Rms: 0.0 secs**  
**NE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	14	241	EP		2048	8.78	-.010							1.0
MORF	HN	14	241	ES		2048	10.900	.010							1.0
MORF	HN	14	241	IAML		2048	11.61			81	0.2				

**April 25 2016 Hour: 4:44 12.2 Lat: 43.49N Lon: 0.64W Depth: 1 Agency: IGL Regional**  
**Magnitudes: 3.6ML IGL Rms: 0.0 secs**  
**PYRENEES Net: MAD**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	965	227	EP		446	15.010	.010							1.0
MORF	HN	965	227	ES		447	44.62	-.010							1.0
MORF	HN	965	227	IAML		447	50.54			34	0.5				

**April 25 2016 Hour: 7: 7 6.9 Lat: 14.41N Lon: 93.11W Depth: 25F Agency: IGL Distant**  
**Magnitudes: 5.8Ms IGL Rms: 0.0 secs**  
**OFFSHORE CHIAPAS, MEXICO Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	8512	53	EP		718	54.84	-.000							1.0
GGNV	BZ	8512	53	IAMs_20		750	49.42			4692	22.2				
MORF	BZ	8577	55	EP		718	58.18	-.060							1.0
MORF	BE	8577	55	ES		728	46.280	.060							1.0
MORF	BZ	8577	55	IAMs_20		748	20.02			4074	19.3				
MORF	BZ	8577	55	IAMs_20		748	24.05			4647	7.8				

**April 25 2016 Hour: 18:26 45.7 Lat: 37.04N Lon: 10.16W Depth: 3F Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 137 77 EP 1827 7.730.020 1.0  
 MORF HN 137 77 ES 1827 23.74-.020 1.0  
 MORF HE 137 77 IAML 1827 25.63 27 0.2

**April 26 2016 Hour: 8:38 2.8 Lat: 37.12N Lon: 11.13W Depth: 30F Agency: IGL Regional**  
**Magnitudes: 2.0ML IGL Rms: 0.0 secs**  
**AZORES-CAPE ST. VINCENT RIDGE Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 221 84 EP 838 33.11-.040 1.0  
 MORF HN 221 84 ES 838 55.300.040 1.0  
 MORF HE 221 84 IAML 838 56.15 11 0.1

**April 26 2016 Hour: 11:59 30.3 Lat: 36.97N Lon: 11.02W Depth: 25F 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 214 79 EP 1159 59.96-.090 1.0  
 MORF HN 214 79 ES 12 0 21.840.090 1.0  
 MORF HN 214 79 IAML 12 0 23.06 2 0.1

**April 26 2016 Hour: 21:58 35.1 Lat: 0.23S Lon: 80.75W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 5.4Mb IGL Rms: 0.1 secs**  
**NEAR COAST OF ECUADOR Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ 8455 51 EP 2210 22.620.100 1.0  
 MORF BZ 8455 51 IAMB 2210 23.82 54 1.5

**April 27 2016 Hour: 12:51 20.4 Lat: 14.57N Lon: 92.97W Depth: 35F Agency: IGL Distant**  
**Magnitudes: 5.8Ms IGL Rms: 0.0 secs**  
**OFFSHORE CHIAPAS, MEXICO Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 GGNV BZ 8489 53 EP 13 3 5.68-.030 1.0  
 GGNV BZ 8489 53 IAMs\_20 1334 57.24 4467 16.9  
 MORF BZ 8554 55 EP 13 3 9.11-.010 1.0  
 MORF BE 8554 55 ES 1312 55.050.040 1.0  
 MORF BZ 8554 55 IAMs\_20 1332 5.61 4099 23.2

**April 27 2016 Hour: 17: 6 43.6 Lat: 37.52N Lon: 7.62W Depth: 17F Agency: IGL Regional**  
**Magnitudes: 2.1ML IGL Rms: 0.0 secs**  
**SE MERTOLA, PORTUGAL Net: IMP**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF HZ 94 256 EP 17 6 58.66-.000 1.0  
 MORF HE 94 256 ES 17 7 9.620.000 1.0  
 MORF HE 94 256 IAML 17 7 10.84 53 0.2

**April 28 2016 Hour: 1:17 13.5 Lat: 6.08S Lon: 154.97E Depth:128F Agency: IGL Distant**  
**Magnitudes: 2.1ML IGL Rms: 0.0 secs**  
**BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC**  
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT  
 MORF BZ16198 337 EPKpdf 136 35.86-.010 1.0

**April 28 2016 Hour: 4: 8 20.8 Lat: 36.98N Lon: 8.92W 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 43 33 EP 4 8 28.77-.070 1.0  
 MORF HN 43 33 ES 4 8 34.770.070 1.0  
 MORF HE 43 33 IAML 4 8 35.34 15 0.1



**April 28 2016 Hour: 19:33 24.4 Lat: 16.07S Lon: 167.39E Depth: 27F Agency: IGL Distant**  
**Magnitudes: 7.4Ms IGL Rms: 0.0 secs**

**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ17500	353	EP	KPdf		1953	17.040	.030							1.0
GGNV	BZ17500	353	EPP			1957	27.530	.030							1.0
GGNV	BZ17500	353	IAMs_20			21 6	27.83		48517	18.5					
MORF	BZ17647	351	EP	KPdf		1953	18.70	-.040							1.0
MORF	BZ17647	351	EPP			1957	34.81	-.020							1.0
MORF	BZ17647	351	IAMs_20			2114	22.55		43909	14.3					

**April 28 2016 Hour: 20:22 9.9 Lat: 36.83N Lon: 9.05W Depth: 29F Agency: IGL Regional**  
**Magnitudes: 1.5ML IGL Rms: 0.0 secs**

**WEST OF GIBRALTAR Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	64	34	EP		2022	20.670	.040							1.0
MORF	HE	64	34	ES		2022	28.40	-.040							1.0
MORF	HN	64	34	IAML		2022	29.05		19	0.2					

**April 29 2016 Hour: 1:33 38.7 Lat: 10.27N Lon: 103.71W Depth: 10F Agency: IGL Distant**  
**Magnitudes: 6.5Ms IGL Rms: 0.1 secs**

**NORTHERN EAST PACIFIC RISE Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
GGNV	BZ	9705	51	EP		146	25.32	-.110							1.0
GGNV	BE	9705	51	ES	KSac	156	51.990	.100							1.0
GGNV	BN	9705	51	IAMs_20		210	14.71		34799	33.0					
MORF	BZ	9778	53	EP		146	28.61	-.040							1.0
MORF	BN	9778	53	ES	KSac	156	56.110	.050							1.0
MORF	BN	9778	53	IAMs_20		211	1.72		55031	53.4					

**April 29 2016 Hour: 5:9 25.3 Lat: 37.30N Lon: 8.51W Depth: 9F Agency: IGL Regional**  
**Magnitudes: 0.2ML IGL Rms: 0.0 secs**

**SE MONCHIQUE, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	13	273	EP		5 9	27.77	-.030							1.0
MORF	HE	13	273	ES		5 9	29.680	.030							1.0
MORF	HE	13	273	IAML		5 9	30.63		10	0.1					

**April 29 2016 Hour: 8:32 55.1 Lat: 37.10N Lon: 8.23W Depth: 21F Agency: IGL Regional**  
**Magnitudes: 0.6ML IGL Rms: 0.1 secs**

**NE ALBUFEIRA, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	44	302	EP		833	2.65	-.100							1.0
MORF	HN	44	302	ES		833	8.440	.100							1.0
MORF	HN	44	302	IAML		833	10.60		5	0.2					

**April 30 2016 Hour: 8:35 42.4 Lat: 16.31S Lon: 167.19E Depth: 5F Agency: IGL Distant**  
**Magnitudes: 5.8Ms IGL Rms: 0.0 secs**

**VANUATU Net: NEIC**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	BZ17669	351	EP	KPdf		855	40.61	-.050							1.0
MORF	BZ17669	351	IAMs_20			10 7	27.92		1176	17.3					

**April 30 2016 Hour: 23:41 31.8 Lat: 37.25N Lon: 8.97W Depth: 29F Agency: IGL Regional**  
**Magnitudes: 1.9ML IGL Rms: 0.1 secs**

**SW ALJEZUR, PORTUGAL Net: IMP**

STAT	CO	DIST	AZI	PHASE	P	HRMN	SECON	TRES	CODA	AMPL	PERI	BAZ	ARES	VELO	WT
MORF	HZ	29	77	EP		2341	38.11	-.080							1.0
MORF	HN	29	77	ES		2341	42.900	.080							1.0
MORF	HE	29	77	IAML		2341	43.80		110	0.1					