

Seismological Bulletin

from the

UNIVERSITY OF LISBON

IDL Seismic Network

May to June

2013

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STATIONS USED

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

Lisboa (IGIDL)
GGNV

| | |
|-----------|----------|
| Latitude | 38.7165N |
| Longitude | 9.1491W |
| Height | 77m |

Almeirim (Fazendas)
ALMR

| | |
|-----------|----------|
| Latitude | 39.1554N |
| Longitude | 8.5768W |
| Height | 165m |

Marmelete (Picos)
MORF

| | |
|-----------|----------|
| Latitude | 37.3063N |
| Longitude | 8.6508W |
| Height | 650m |

Messejana
MESJ

| | |
|-----------|----------|
| Latitude | 37.8395N |
| Longitude | 8.2199W |
| Height | 250m |

May 1 2013 Hour: 6:57 12.8 Lat: 33.10N Lon: 75.84E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6MB IGL Rms: 0.2 secs
EASTERN KASHMIR Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 7381 | 301 | EP | | 7 8 | 2.11 | 0.12 | | | | | | | 1.0 |
| MESJ | BZ | 7381 | 301 | AMb | | 7 8 | 4.83 | | | 81 | 1.5 | | | | |
| MESJ | BN | 7381 | 301 | ES | | 716 | 52.85 | 0.08 | | | | | | | 1.0 |
| GGNV | BZ | 7415 | 302 | EP | | 7 8 | 4.06 | 0.17 | | | | | | | 1.0 |
| GGNV | BZ | 7415 | 302 | AMb | | 7 8 | 7.19 | | | 223 | 2.1 | | | | |
| MORF | BZ | 7440 | 300 | EP | | 7 8 | 5.42 | -0.03 | | | | | | | 1.0 |
| MORF | BZ | 7440 | 300 | AMb | | 7 8 | 13.38 | | | 77 | 1.3 | | | | |
| MORF | BN | 7440 | 300 | ES | | 716 | 58.98 | -0.35 | | | | | | | 1.0 |

May 1 2013 Hour: 11: 6 19.1 Lat: 37.35N Lon: 15.97W 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 | 649 | 88 | EP | | 11 7 | 43.55 | 0.07 | | | | | | | 1.0 |
| MORF | HN | 649 | 88 | ES | | 11 8 | 44.95 | -0.10 | | | | | | | 1.0 |
| MORF | HN | 649 | 88 | AML | | 11 8 | 45.71 | | | 12 | 0.1 | | | | |
| MESJ | HZ | 686 | 83 | EP | | 11 7 | 48.11 | 0.07 | | | | | | | 1.0 |
| MESJ | HN | 686 | 83 | ES | | 11 8 | 52.90 | -0.03 | | | | | | | 1.0 |
| MESJ | HN | 686 | 83 | AML | | 11 8 | 55.47 | | | 17 | 0.2 | | | | |

May 1 2013 Hour: 11: 8 48.0 Lat: 40.48N Lon: 5.93W Depth: 10F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs
SPAIN Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 353 | 215 | EP | | 11 9 | 36.48 | 0.11 | | | | | | | 1.0 |
| MESJ | HN | 353 | 215 | ES | | 1110 | 11.48 | -0.18 | | | | | | | 1.0 |
| MESJ | HN | 353 | 215 | AML | | 1110 | 13.56 | | | 8 | 0.2 | | | | |
| MORF | HZ | 424 | 215 | EP | | 11 9 | 45.04 | -0.09 | | | | | | | 1.0 |
| MORF | HN | 424 | 215 | ES | | 1110 | 26.98 | 0.17 | | | | | | | 1.0 |
| MORF | HN | 424 | 215 | AML | | 1110 | 28.92 | | | 25 | 0.3 | | | | |

May 1 2013 Hour: 18:31 4.0 Lat: 28.29N Lon: 51.74E Depth: 10F Agency: IGL Distant
Magnitudes: 4.9MB 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 | 5606 | 297 | EP | | 1840 | 1.46 | 0.05 | | | | | | | 1.0 |
| MESJ | BZ | 5606 | 297 | AMb | | 1840 | 2.81 | | | 38 | 2.1 | | | | |

May 2 2013 Hour: 0:37 4.6 Lat: 37.12N Lon: 7.90W Depth: 16F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs
SW S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 70 | 287 | EP | | 037 | 15.88 | -0.04 | | | | | | | 1.0 |
| MORF | HN | 70 | 287 | ES | | 037 | 24.25 | 0.08 | | | | | | | 1.0 |
| MORF | HN | 70 | 287 | AML | | 037 | 25.57 | | | 7 | 0.2 | | | | |
| MESJ | HZ | 85 | 341 | EP | | 037 | 18.11 | -0.05 | | | | | | | 1.0 |
| MESJ | HN | 85 | 341 | ES | | 037 | 28.06 | 0.02 | | | | | | | 1.0 |
| MESJ | HN | 85 | 341 | AML | | 037 | 29.66 | | | 6 | 0.1 | | | | |

May 2 2013 Hour: 5:49 8.5 Lat: 33.88N Lon: 3.73W Depth: 14F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs
MOROCCO Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 586 | 312 | EP | | 550 | 24.74 | -0.10 | | | | | | | 1.0 |
| MESJ | HZ | 598 | 319 | EP | | 550 | 26.20 | -0.05 | | | | | | | 1.0 |
| MESJ | HE | 598 | 319 | ES | | 551 | 23.16 | 0.15 | | | | | | | 1.0 |
| MESJ | HE | 598 | 319 | AML | | 551 | 28.43 | | | 3 | 0.1 | | | | |

May 2 2013 Hour: 13:27 31.4 Lat: 36.76N Lon: 9.68W Depth: 18F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 110 | 56 | EP | | 1327 | 48.80 | 0.03 | | | | | | | 1.0 |
| MORF | HE | 110 | 56 | ES | | 1328 | 1.58 | 0.14 | | | | | | | 1.0 |
| MORF | HN | 110 | 56 | AML | | 1328 | 2.37 | | | 13 | 0.1 | | | | |
| MESJ | HZ | 176 | 47 | EP | | 1327 | 56.86 | -0.18 | | | | | | | 1.0 |
| MESJ | HE | 176 | 47 | ES | | 1328 | 15.75 | 0.00 | | | | | | | 1.0 |
| MESJ | HN | 176 | 47 | AML | | 1328 | 17.43 | | | 4 | 0.3 | | | | |

May 2 2013 Hour: 14:47 48.4 Lat: 36.26N Lon: 8.03W Depth: 31F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 129 | 335 | EP | | 1448 | 7.04 | -0.10 | | | | | | | 1.0 |
| MESJ | HZ | 176 | 355 | EP | | 1448 | 12.98 | -0.02 | | | | | | | 1.0 |
| MESJ | HN | 176 | 355 | ES | | 1448 | 31.09 | 0.12 | | | | | | | 1.0 |
| MESJ | HN | 176 | 355 | AML | | 1448 | 32.44 | | | 4 | 0.3 | | | | |

May 2 2013 Hour: 16:31 53.6 Lat: 36.31N Lon: 7.93W Depth: 29F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 128 | 330 | EP | | 1632 | 12.26 | -0.14 | | | | | | | 1.0 |
| MORF | HN | 128 | 330 | ES | | 1632 | 25.95 | -0.18 | | | | | | | 1.0 |
| MORF | HN | 128 | 330 | AML | | 1632 | 27.10 | | | 10 | 0.1 | | | | |
| MESJ | HZ | 172 | 351 | EP | | 1632 | 17.94 | 0.13 | | | | | | | 1.0 |
| MESJ | HN | 172 | 351 | ES | | 1632 | 35.68 | 0.20 | | | | | | | 1.0 |
| MESJ | HN | 172 | 351 | AML | | 1632 | 36.85 | | | 5 | 0.1 | | | | |

May 2 2013 Hour: 18:55 39.4 Lat: 35.80N Lon: 0.26W Depth: 4F Agency: IGL Regional
Rms: 0.1 secs

NORTHERN ALGERIA Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 745 | 290 | EP | | 1857 | 15.85 | -0.05 | | | | | | | 1.0 |
| MORF | HZ | 769 | 285 | EP | | 1857 | 18.84 | 0.05 | | | | | | | 1.0 |

May 3 2013 Hour: 6:10 11.4 Lat: 52.69N Lon: 157.17E Depth: 153F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.1 secs

KAMCHATKA PENINSULA, RUSSIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 9882 | 348 | EP | | 622 | 47.92 | -0.07 | | | | | | | 1.0 |
| MESJ | BZ | 9882 | 348 | AMb | | 623 | 13.56 | | | 33 | 1.6 | | | | |
| MORF | BZ | 9946 | 349 | EP | | 622 | 50.83 | 0.07 | | | | | | | 1.0 |
| MORF | BZ | 9946 | 349 | AMb | | 622 | 53.21 | | | 80 | 1.2 | | | | |

May 4 2013 Hour: 1:52 30.0 Lat: 37.31N Lon: 8.61W Depth: 14F Agency: IGL Regional
Magnitudes: 0.7ML 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 | 4 | 264 | EP | | 152 | 32.12 | -0.24 | | | | | | | 1.0 |
| MORF | HN | 4 | 264 | ES | | 152 | 34.29 | 0.18 | | | | | | | 1.0 |
| MORF | HN | 4 | 264 | AML | | 152 | 35.06 | | | 23 | 0.1 | | | | |
| MESJ | HZ | 68 | 30 | EP | | 152 | 41.12 | 0.16 | | | | | | | 1.0 |
| MESJ | HE | 68 | 30 | ES | | 152 | 48.90 | -0.10 | | | | | | | 1.0 |
| MESJ | HE | 68 | 30 | AML | | 152 | 50.28 | | | 4 | 0.0 | | | | |

May 4 2013 Hour: 6: 7 53.1 Lat: 36.49N Lon: 8.64W Depth: 18F 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 | 91 | 359 | EP | | 6 8 | 7.50 | -0.11 | | | | | | | 1.0 |
| MORF | HE | 91 | 359 | ES | | 6 8 | 18.29 | 0.12 | | | | | | | 1.0 |
| MORF | HN | 91 | 359 | AML | | 6 8 | 21.03 | | | 30 | 0.5 | | | | |
| MESJ | HZ | 154 | 14 | EP | | 6 8 | 15.96 | -0.06 | | | | | | | 1.0 |
| MESJ | HN | 154 | 14 | ES | | 6 8 | 32.78 | 0.05 | | | | | | | 1.0 |
| MESJ | HN | 154 | 14 | AML | | 6 8 | 38.49 | | | 8 | 0.2 | | | | |

May 4 2013 Hour: 8:12 14.7 Lat: 36.64N Lon: 7.32W Depth: 21F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 155 | 329 | EP | | 812 | 37.49 | 0.03 | | | | | | | 1.0 |
| MESJ | HE | 155 | 329 | ES | | 812 | 54.03 | -0.03 | | | | | | | 1.0 |
| MESJ | HN | 155 | 329 | AML | | 812 | 54.84 | | | 3 | 0.2 | | | | |

May 4 2013 Hour: 9:44 46.0 Lat: 18.65S Lon: 177.88W Depth: 568F 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 | BZ17677 | 23 | EP | Kpdf | | 10 3 | 38.62 | 0.06 | | | | | | | 1.0 |
| MORF | BZ17711 | 25 | EP | Kpdf | | 10 3 | 38.90 | -0.06 | | | | | | | 1.0 |

May 4 2013 Hour: 10:43 18.9 Lat: 36.65N Lon: 11.12W Depth: 10F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 232 | 71 | EP | | 1043 | 52.16 | 0.05 | | | | | | | 1.0 |
| MORF | HE | 232 | 71 | ES | | 1044 | 16.29 | -0.08 | | | | | | | 1.0 |
| MORF | HN | 232 | 71 | AML | | 1044 | 17.99 | | | 7 | 0.1 | | | | |
| MESJ | HZ | 289 | 62 | EP | | 1043 | 59.28 | 0.05 | | | | | | | 1.0 |
| MESJ | HE | 289 | 62 | ES | | 1044 | 28.68 | -0.01 | | | | | | | 1.0 |
| MESJ | HN | 289 | 62 | AML | | 1044 | 30.17 | | | 2 | 0.1 | | | | |

May 4 2013 Hour: 12:38 44.3 Lat: 37.69N Lon: 17.27W Depth: 0 Agency: IGL Regional
Magnitudes: 3.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | HN | 720 | 78 | ES | | 1241 | 26.75 | -0.07 | | | | | | | 1.0 |
| GGNV | HN | 720 | 78 | AML | | 1241 | 30.85 | | | 94 | 0.3 | | | | |
| MORF | HZ | 763 | 91 | EP | | 1240 | 23.31 | -0.02 | | | | | | | 1.0 |
| MORF | HN | 763 | 91 | ES | | 1241 | 35.67 | 0.02 | | | | | | | 1.0 |
| MORF | HN | 763 | 91 | AML | | 1241 | 43.72 | | | 77 | 0.4 | | | | |
| MESJ | HZ | 797 | 86 | EP | | 1240 | 27.27 | -0.04 | | | | | | | 1.0 |
| MESJ | HN | 797 | 86 | ES | | 1241 | 42.66 | 0.11 | | | | | | | 1.0 |
| MESJ | HN | 797 | 86 | AML | | 1241 | 50.98 | | | 45 | 0.3 | | | | |

May 4 2013 Hour: 13:21 37.1 Lat: 36.20N Lon: 8.47W Depth: 14F 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 | 124 | 353 | EP | | 1321 | 56.49 | -0.07 | | | | | | | 1.0 |
| MORF | HN | 124 | 353 | ES | | 1322 | 10.73 | -0.04 | | | | | | | 1.0 |
| MORF | HE | 124 | 353 | AML | | 1322 | 12.35 | | | 23 | 0.1 | | | | |
| MESJ | HZ | 183 | 7 | EP | | 1322 | 4.14 | 0.21 | | | | | | | 1.0 |
| MESJ | HN | 183 | 7 | ES | | 1322 | 23.43 | -0.09 | | | | | | | 1.0 |
| MESJ | HN | 183 | 7 | AML | | 1322 | 24.72 | | | 7 | 0.1 | | | | |

May 5 2013 Hour: 1: 4 37.3 Lat: 37.09N Lon: 12.46W Depth: 0 Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.2 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 | 85 | EP | | 1 5 | 24.62 | -0.23 | | | | | | | 1.0 |
| MORF | HE | 339 | 85 | ES | | 1 5 | 59.90 | 0.33 | | | | | | | 1.0 |
| MORF | HN | 339 | 85 | AML | | 1 6 | 4.19 | | | 21 | 0.4 | | | | |
| MESJ | HZ | 384 | 76 | EP | | 1 5 | 30.30 | -0.13 | | | | | | | 1.0 |
| MESJ | HN | 384 | 76 | ES | | 1 6 | 9.24 | 0.02 | | | | | | | 1.0 |
| MESJ | HN | 384 | 76 | AML | | 1 6 | 13.55 | | | 9 | 0.1 | | | | |

May 5 2013 Hour: 4:41 13.8 Lat: 36.57N Lon: 9.78W Depth: 15F 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 | 130 | 51 | EP | | 441 | 33.91 | 0.01 | | | | | | | 1.0 |
| MORF | HN | 130 | 51 | ES | | 441 | 48.46 | -0.12 | | | | | | | 1.0 |
| MORF | HN | 130 | 51 | AML | | 441 | 50.52 | | | 6 | 0.1 | | | | |
| MESJ | HZ | 198 | 44 | EP | | 441 | 42.35 | 0.04 | | | | | | | 1.0 |
| MESJ | HE | 198 | 44 | ES | | 442 | 3.20 | 0.08 | | | | | | | 1.0 |
| MESJ | HN | 198 | 44 | AML | | 442 | 6.93 | | | 1 | 0.2 | | | | |

May 5 2013 Hour: 13:19 0.9 Lat: 9.42S Lon: 79.05W Depth: 51F Agency: IGL Distant
Magnitudes: 4.8MB IGL Rms: 0.1 secs

OFF COAST OF NORTHERN PERU Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 8956 | 50 | EP | | 1331 | 7.62 | 0.10 | | | | | | | 1.0 |
| MORF | BZ | 8956 | 50 | AMB | | 1331 | 9.25 | | | 35 | 1.0 | | | | |
| MESJ | BZ | 9011 | 49 | EP | | 1331 | 10.03 | -0.10 | | | | | | | 1.0 |
| MESJ | BZ | 9011 | 49 | AMB | | 1331 | 12.94 | | | 18 | 2.4 | | | | |

May 5 2013 Hour: 18:21 4.4 Lat: 37.82N Lon: 8.02W Depth: 1F Agency: IGL Regional
Rms: 0.3 secs

NE CASTRO VERDE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 18 | 277 | EP | | 1821 | 6.94 | -0.33 | | | | | | | 1.0 |

May 5 2013 Hour: 23: 5 42.2 Lat: 38.42N Lon: 9.33W Depth: 15F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

W SESIMBRA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 117 | 123 | EP | | 23 6 | 0.56 | -0.01 | | | | | | | 1.0 |
| MESJ | HN | 117 | 123 | ES | | 23 6 | 14.00 | 0.02 | | | | | | | 1.0 |
| MESJ | HN | 117 | 123 | AML | | 23 6 | 18.22 | | | 5 | 0.2 | | | | |
| MORF | HZ | 137 | 154 | EP | | 23 6 | 3.26 | 0.00 | | | | | | | 1.0 |
| MORF | HN | 137 | 154 | ES | | 23 6 | 18.63 | 0.00 | | | | | | | 1.0 |
| MORF | HE | 137 | 154 | AML | | 23 6 | 22.64 | | | 9 | 0.2 | | | | |

May 6 2013 Hour: 1: 5 27.0 Lat: 36.57N Lon: 7.51W Depth: 20F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 154 | 336 | EP | | 1 5 | 49.54 | -0.13 | | | | | | | 1.0 |
| MESJ | HE | 154 | 336 | ES | | 1 6 | 6.38 | 0.13 | | | | | | | 1.0 |
| MESJ | HN | 154 | 336 | AML | | 1 6 | 8.48 | | | 2 | 0.1 | | | | |

May 6 2013 Hour: 5:31 49.7 Lat: 37.45N Lon: 9.12W Depth: 17F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 45 | 111 | EP | | 531 | 57.35 | 0.07 | | | | | | | 1.0 |
| MORF | HE | 45 | 111 | ES | | 532 | 2.69 | -0.11 | | | | | | | 1.0 |
| MORF | HN | 45 | 111 | AML | | 532 | 3.82 | | | 6 | 0.2 | | | | |

| | | | | | | | | | | | | | | | | | |
|---------|----|----|-----|-----|-------|-------|--|--|--|---|-----|--|--|--|--|--|-----|
| MESJ HZ | 90 | 61 | EP | 532 | 4.30 | 0.17 | | | | | | | | | | | 1.0 |
| MESJ HE | 90 | 61 | ES | 532 | 14.51 | -0.14 | | | | | | | | | | | 1.0 |
| MESJ HE | 90 | 61 | AML | 532 | 15.18 | | | | | 2 | 0.2 | | | | | | |

May 6 2013 Hour: 7:33 5.8 Lat: 21.11S Lon: 176.16W Depth: 17F Agency: IGL Distant
Magnitudes: 5.3MS IGL Rms: 0.0 secs

FIJI REGION Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ17841 | 29 | EP | KPdf | | 753 | 3.76 | 0.01 | | | | | | | 1.0 |
| MESJ | BZ17841 | 29 | AMS | | | 859 | 32.61 | | | 311 | 25.6 | | | | |
| MORF | BZ17866 | 31 | EP | KPdf | | 753 | 4.05 | -0.01 | | | | | | | 1.0 |
| MORF | BZ17866 | 31 | AMS | | | 9 0 | 42.09 | | | 442 | 12.7 | | | | |

May 6 2013 Hour: 21:13 39.4 Lat: 38.29N Lon: 7.91W Depth: 0 Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.2 secs

NE ALVITO, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 57 | 209 | EP | | 2113 | 48.59 | 0.00 | | | | | | | 1.0 |
| MESJ | HN | 57 | 209 | ES | | 2113 | 55.06 | -0.23 | | | | | | | 1.0 |
| MESJ | HN | 57 | 209 | AML | | 2113 | 55.17 | | | 7 | 0.1 | | | | |
| MORF | HZ | 127 | 211 | EP | | 2114 | 0.19 | 0.27 | | | | | | | 1.0 |
| MORF | HE | 127 | 211 | ES | | 2114 | 14.86 | -0.03 | | | | | | | 1.0 |
| MORF | HN | 127 | 211 | AML | | 2114 | 16.43 | | | 7 | 0.2 | | | | |

May 6 2013 Hour: 21:19 6.7 Lat: 38.73N Lon: 8.99W Depth: 17F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

SW ALCOCHETE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | HZ | 14 | 264 | EP | | 2119 | 9.93 | -0.22 | | | | | | | 1.0 |
| GGNV | HN | 14 | 264 | ES | | 2119 | 12.76 | 0.06 | | | | | | | 1.0 |
| GGNV | HN | 14 | 264 | AML | | 2119 | 13.78 | | | 721 | 0.1 | | | | |
| MESJ | HZ | 120 | 145 | EP | | 2119 | 25.27 | -0.05 | | | | | | | 1.0 |
| MESJ | HE | 120 | 145 | ES | | 2119 | 39.09 | 0.15 | | | | | | | 1.0 |
| MESJ | HN | 120 | 145 | AML | | 2119 | 40.85 | | | 16 | 0.1 | | | | |
| MORF | HN | 161 | 169 | ES | | 2119 | 47.92 | 0.08 | | | | | | | 0.9 |
| MORF | HN | 161 | 169 | AML | | 2119 | 49.00 | | | 7 | 0.2 | | | | |

May 7 2013 Hour: 0:57 5.4 Lat: 37.04N Lon: 8.57W Depth: 10F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.3 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 30 | 346 | EP | | 057 | 10.41 | -0.17 | | | | | | | 1.0 |
| MORF | HN | 30 | 346 | ES | | 057 | 14.39 | 0.02 | | | | | | | 1.0 |
| MORF | HN | 30 | 346 | AML | | 057 | 15.98 | | | 15 | 0.1 | | | | |
| MESJ | HZ | 94 | 19 | EP | | 057 | 20.16 | -0.25 | | | | | | | 1.0 |
| MESJ | HN | 94 | 19 | ES | | 057 | 31.79 | 0.41 | | | | | | | 1.0 |
| MESJ | HN | 94 | 19 | AML | | 057 | 32.65 | | | 4 | 0.2 | | | | |

May 7 2013 Hour: 1:51 13.0 Lat: 36.63N Lon: 11.33W Depth: 31F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.3 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 | 72 | EP | | 151 | 47.01 | 0.19 | | | | | | | 1.0 |
| MORF | HN | 250 | 72 | ES | | 152 | 11.05 | -0.48 | | | | | | | 1.0 |
| MORF | HE | 250 | 72 | AML | | 152 | 13.14 | | | 114 | 0.2 | | | | |
| MESJ | HZ | 307 | 63 | EP | | 151 | 53.99 | 0.15 | | | | | | | 1.0 |
| MESJ | HN | 307 | 63 | ES | | 152 | 23.82 | 0.15 | | | | | | | 1.0 |
| MESJ | HE | 307 | 63 | AML | | 152 | 25.59 | | | 32 | 0.2 | | | | |

May 7 2013 Hour: 4:33 6.3 Lat: 36.60N Lon: 7.28W Depth: 36F Agency: IGL Regional
Magnitudes: 1.0ML 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 161 | 329 | EP | | 433 | 29.08 | 0.02 | | | | | | | 1.0 |
| MESJ | HN | 161 | 329 | ES | | 433 | 45.65 | -0.02 | | | | | | | 1.0 |
| MESJ | HN | 161 | 329 | AML | | 433 | 48.66 | | | 2 | 0.3 | | | | |

May 7 2013 Hour: 6:40 24.8 Lat: 37.30N Lon: 8.54W Depth: 10F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 10 | 275 | EP | | 640 | 27.07 | -0.08 | | | | | | | 1.0 |
| MORF | HN | 10 | 275 | ES | | 640 | 28.86 | 0.01 | | | | | | | 1.0 |
| MORF | HN | 10 | 275 | AML | | 640 | 29.33 | | | 552 | 0.2 | | | | |
| MESJ | HZ | 66 | 25 | EP | | 640 | 35.68 | 0.02 | | | | | | | 1.0 |
| MESJ | HN | 66 | 25 | ES | | 640 | 43.62 | 0.05 | | | | | | | 1.0 |
| MESJ | HN | 66 | 25 | AML | | 640 | 45.72 | | | 7 | 0.2 | | | | |

May 8 2013 Hour: 16:59 34.7 Lat: 36.72N Lon: 7.32W Depth: 19F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| MORF | HZ | 135 | 299 | EP | | 1659 | 55.22 | 0.03 | | | | | | | 1.0 |
| MORF | HN | 135 | 299 | ES | | 17 | 0 | 10.08 | -0.03 | | | | | | 1.0 |
| MORF | HN | 135 | 299 | AML | | 17 | 0 | 11.39 | | | 13 | 0.2 | | | |
| MESJ | HZ | 148 | 328 | EP | | 1659 | 56.62 | -0.10 | | | | | | | 1.0 |
| MESJ | HN | 148 | 328 | ES | | 17 | 0 | 12.85 | 0.10 | | | | | | 1.0 |
| MESJ | HN | 148 | 328 | AML | | 17 | 0 | 17.70 | | | 7 | 0.2 | | | |

May 8 2013 Hour: 23:58 24.7 Lat: 37.32N Lon: 8.54W Depth: 10F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs

E MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 10 | 261 | EP | | 2358 | 26.94 | -0.09 | | | | | | | 1.0 |
| MORF | HE | 10 | 261 | ES | | 2358 | 28.83 | 0.09 | | | | | | | 1.0 |
| MORF | HN | 10 | 261 | AML | | 2358 | 29.20 | | | | 30 | 0.2 | | | |

May 9 2013 Hour: 5:31 1.6 Lat: 36.60N Lon: 7.29W Depth: 0 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 | 144 | 303 | EP | | 531 | 24.64 | -0.22 | | | | | | | 1.0 |
| MORF | HN | 144 | 303 | ES | | 531 | 41.86 | 0.04 | | | | | | | 1.0 |
| MORF | HN | 144 | 303 | AML | | 531 | 45.24 | | | | 51 | 0.3 | | | |
| MESJ | HZ | 160 | 329 | EP | | 531 | 27.04 | 0.02 | | | | | | | 1.0 |
| MESJ | HN | 160 | 329 | ES | | 531 | 45.72 | 0.17 | | | | | | | 1.0 |
| MESJ | HN | 160 | 329 | AML | | 531 | 50.89 | | | | 42 | 0.2 | | | |

May 9 2013 Hour: 8:13 3.7 Lat: 26.85N Lon: 57.82E Depth: 26F Agency: IGL Distant
Magnitudes: 4.5MB IGL Rms: 0.1 secs

SOUTHERN IRAN Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 6211 | 299 | EP | | 811 | 8.89 | 0.05 | | | | | | | 1.0 |
| MESJ | BZ | 6211 | 299 | AMB | | 811 | 12.85 | | | | 21 | 2.3 | | | |

May 9 2013 Hour: 13:48 2.2 Lat: 37.33N Lon: 8.56W Depth: 10F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 8 | 252 | EP | | 1348 | 4.26 | -0.15 | | | | | | | 1.0 |
| MORF | HE | 8 | 252 | ES | | 1348 | 6.12 | 0.11 | | | | | | | 1.0 |
| MORF | HE | 8 | 252 | AML | | 1348 | 6.68 | | | | 207 | 0.2 | | | |

| | | | | | | | | | | | | | | | | | |
|---------|----|----|-----|------|-------|-------|--|--|---|-----|--|--|--|--|--|--|-----|
| MESJ HZ | 64 | 28 | EP | 1348 | 12.81 | 0.12 | | | | | | | | | | | 1.0 |
| MESJ HN | 64 | 28 | ES | 1348 | 20.24 | -0.08 | | | | | | | | | | | 1.0 |
| MESJ HN | 64 | 28 | AML | 1348 | 21.57 | | | | 7 | 0.2 | | | | | | | |

May 10 2013 Hour: 8:38 27.3 Lat: 67.54N Lon: 139.29E Depth: 13F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.2 secs

NORTHEASTERN SAKHA, RUSSIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 8004 | 333 | EP | | 849 | 50.65 | -0.15 | | | | | | | 1.0 |
| MESJ | BZ | 8004 | 333 | AMb | | 849 | 54.05 | | | 51 | 2.5 | | | | |
| MORF | BZ | 8069 | 334 | EP | | 849 | 54.55 | 0.15 | | | | | | | 1.0 |
| MORF | BZ | 8069 | 334 | AMb | | 849 | 56.56 | | | 55 | 1.1 | | | | |

May 10 2013 Hour: 19:56 5.3 Lat: 29.16S Lon: 13.21W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.1 secs

SOUTHERN MID-ATLANTIC RIDGE Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| MORF | BZ | 7369 | 4 | EP | | 20 | 6 | 53.67 | 0.09 | | | | | | 1.0 |
| MORF | BZ | 7369 | 4 | AMS | | 2031 | 56.22 | | | 1602 | 23.4 | | | | |
| MESJ | BZ | 7431 | 4 | EP | | 20 | 6 | 57.09 | 0.00 | | | | | | 1.0 |
| MESJ | BZ | 7431 | 4 | AMS | | 2032 | 25.78 | | | 1598 | 22.9 | | | | |
| GGNV | BZ | 7522 | 3 | EP | | 20 | 7 | 2.14 | -0.10 | | | | | | 1.0 |
| GGNV | BE | 7522 | 3 | AMS | | 2033 | 17.68 | | | 1611 | 19.0 | | | | |

May 11 2013 Hour: 2: 8 11.7 Lat: 26.78N Lon: 57.88E Depth: 14F Agency: IGL Distant
Magnitudes: 6.0MS IGL Rms: 0.1 secs

SOUTHERN IRAN Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|-------|------|-----|------|------|-----|
| MESJ | BZ | 6219 | 299 | EP | | 217 | 49.24 | 0.05 | | | | | | | 1.0 |
| MESJ | BN | 6219 | 299 | ES | | 225 | 37.34 | 0.00 | | | | | | | 1.0 |
| MESJ | BN | 6219 | 299 | AMS | | 244 | 8.94 | | | 15507 | 17.0 | | | | |
| MORF | BZ | 6267 | 299 | EP | | 217 | 52.37 | 0.08 | | | | | | | 1.0 |
| MORF | BN | 6267 | 299 | ES | | 225 | 42.95 | -0.16 | | | | | | | 1.0 |
| MORF | BE | 6267 | 299 | AMS | | 245 | 53.63 | | | 12117 | 20.6 | | | | |
| GGNV | BZ | 6284 | 300 | EP | | 217 | 53.37 | 0.07 | | | | | | | 1.0 |
| GGNV | BN | 6284 | 300 | ES | | 225 | 44.93 | -0.06 | | | | | | | 1.0 |
| GGNV | BN | 6284 | 300 | AMS | | 244 | 13.96 | | | 13019 | 21.7 | | | | |

May 11 2013 Hour: 14:25 12.1 Lat: 36.55N Lon: 11.44W Depth: 23F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 262 | 71 | EP | | 1425 | 48.06 | 0.04 | | | | | | | 1.0 |
| MORF | HN | 262 | 71 | ES | | 1426 | 14.28 | 0.06 | | | | | | | 1.0 |
| MORF | HN | 262 | 71 | AML | | 1426 | 16.29 | | | 6 | 0.5 | | | | |
| MESJ | HZ | 320 | 62 | EP | | 1425 | 55.08 | -0.04 | | | | | | | 1.0 |
| MESJ | HE | 320 | 62 | ES | | 1426 | 26.44 | -0.06 | | | | | | | 1.0 |
| MESJ | HN | 320 | 62 | AML | | 1426 | 28.63 | | | 2 | 0.2 | | | | |

May 11 2013 Hour: 20:46 57.0 Lat: 17.94S Lon: 175.07W Depth: 205F Agency: IGL Distant
Rms: 0.1 secs

TONGA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|-----|------|-----|--------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| GGNV | BZ1 | 7354 | 28 | EPKpdf | | 21 | 6 | 25.77 | -0.05 | | | | | | 1.0 |
| MESJ | BZ1 | 7480 | 28 | EPKpdf | | 21 | 6 | 27.27 | -0.06 | | | | | | 1.0 |
| MESJ | BE1 | 7480 | 28 | ESS | | 2130 | 16.76 | -0.06 | | | | | | | 1.0 |
| MORF | BZ1 | 7507 | 29 | EPKpdf | | 21 | 6 | 27.69 | 0.00 | | | | | | 1.0 |
| MORF | BE1 | 7507 | 29 | ESS | | 2130 | 19.72 | 0.21 | | | | | | | 0.9 |

May 11 2013 Hour: 22: 6 48.4 Lat: 39.43N Lon: 11.26W Depth: 10F Agency: IGL Regional
Magnitudes: 3.1ML 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 |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| GGNV | HE | 199 | 113 | ES | | 22 | 7 | 38.65 | -0.22 | | | | | | 1.0 |
| GGNV | HN | 199 | 113 | AML | | 22 | 7 | 40.95 | | 151 | 0.2 | | | | |
| MESJ | HZ | 318 | 123 | EP | | 22 | 7 | 32.58 | 0.19 | | | | | | 0.9 |
| MORF | HZ | 328 | 135 | EP | | 22 | 7 | 33.70 | 0.06 | | | | | | 0.9 |

May 12 2013 Hour: 0: 7 3.9 Lat: 26.77N Lon: 57.77E Depth: 25F Agency: IGL Distant
Magnitudes: 5.2MS 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 | 6211 | 299 | EP | | 016 | 39.20 | 0.06 | | | | | | | 1.0 |
| MESJ | BN | 6211 | 299 | AMS | | 042 | 36.30 | | | 2414 | 21.1 | | | | |
| MORF | BZ | 6258 | 298 | EP | | 016 | 42.26 | 0.01 | | | | | | | 1.0 |
| MORF | BN | 6258 | 298 | ES | | 024 | 31.40 | -0.01 | | | | | | | 1.0 |
| MORF | BN | 6258 | 298 | AMS | | 042 | 56.14 | | | 1698 | 21.7 | | | | |
| GGNV | BZ | 6276 | 300 | EP | | 016 | 43.21 | -0.06 | | | | | | | 1.0 |
| GGNV | BE | 6276 | 300 | AMS | | 039 | 13.16 | | | 1785 | 19.2 | | | | |

May 12 2013 Hour: 0:51 25.4 Lat: 36.57N Lon: 7.67W Depth: 20F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 149 | 341 | EP | | 051 | 47.48 | 0.02 | | | | | | | 1.0 |
| MESJ | HE | 149 | 341 | ES | | 052 | 3.55 | -0.02 | | | | | | | 1.0 |
| MESJ | HE | 149 | 341 | AML | | 052 | 5.27 | | | 3 | 0.2 | | | | |

May 12 2013 Hour: 5:26 0.2 Lat: 37.10N Lon: 6.89W Depth: 3F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 143 | 305 | EP | | 526 | 22.94 | -0.22 | | | | | | | 1.0 |
| MESJ | HE | 143 | 305 | ESg | | 526 | 40.27 | -0.02 | | | | | | | 1.0 |
| MESJ | HN | 143 | 305 | AML | | 526 | 42.96 | | | 14 | 0.3 | | | | |
| MORF | HZ | 158 | 279 | EP | | 526 | 25.11 | 0.05 | | | | | | | 1.0 |
| MORF | HN | 158 | 279 | ES | | 526 | 43.37 | 0.19 | | | | | | | 1.0 |
| MORF | HE | 158 | 279 | AML | | 526 | 46.88 | | | 26 | 0.2 | | | | |

May 12 2013 Hour: 5:51 53.7 Lat: 36.70N Lon: 7.20W Depth: 24F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 155 | 325 | EP | | 552 | 16.20 | -0.05 | | | | | | | 1.0 |
| MESJ | HE | 155 | 325 | ES | | 552 | 32.75 | 0.05 | | | | | | | 1.0 |
| MESJ | HN | 155 | 325 | AML | | 552 | 34.95 | | | 9 | 0.2 | | | | |

May 12 2013 Hour: 5:53 21.0 Lat: 33.20N Lon: 16.83W Depth: 11F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.2 secs
MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 872 | 56 | EP | | 555 | 11.53 | -0.23 | | | | | | | 1.0 |
| MESJ | HZ | 935 | 54 | EP | | 555 | 19.27 | 0.19 | | | | | | | 1.0 |
| MESJ | HN | 935 | 54 | ES | | 556 | 45.31 | 0.06 | | | | | | | 1.0 |
| MESJ | HN | 935 | 54 | AML | | 556 | 51.94 | | | 3 | 0.7 | | | | |

May 12 2013 Hour: 7:30 3.7 Lat: 13.50N Lon: 91.38W Depth: 37F Agency: IGL Distant
Magnitudes: 5.4MS 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 | 8423 | 53 | EP | | 741 | 45.45 | 0.04 | | | | | | | 1.0 |
| GGNV | BZ | 8423 | 53 | AMS | | 811 | 1.27 | | | 1554 | 16.4 | | | | |
| MORF | BZ | 8483 | 55 | EP | | 741 | 48.53 | -0.07 | | | | | | | 1.0 |
| MORF | BN | 8483 | 55 | ES | | 751 | 30.91 | -0.03 | | | | | | | 1.0 |
| MORF | BZ | 8483 | 55 | AMS | | 814 | 25.91 | | | 1707 | 17.6 | | | | |
| MESJ | BZ | 8514 | 54 | EP | | 741 | 50.19 | 0.06 | | | | | | | 1.0 |
| MESJ | BZ | 8514 | 54 | AMS | | 8 9 | 47.61 | | | 1229 | 17.1 | | | | |

May 12 2013 Hour: 9:50 13.7 Lat: 36.59N Lon: 9.76W Depth: 13F 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 | 127 | 51 | EP | | 950 | 33.53 | -0.04 | | | | | | | 1.0 |
| MORF | HE | 127 | 51 | ES | | 950 | 48.16 | 0.06 | | | | | | | 1.0 |
| MORF | HE | 127 | 51 | AML | | 950 | 49.82 | | | 4 | 0.3 | | | | |
| MESJ | HZ | 195 | 44 | EP | | 950 | 41.86 | -0.13 | | | | | | | 1.0 |
| MESJ | HE | 195 | 44 | ES | | 951 | 2.77 | 0.10 | | | | | | | 1.0 |
| MESJ | HE | 195 | 44 | AML | | 951 | 5.03 | | | 1 | 0.2 | | | | |

May 12 2013 Hour: 10:54 50.8 Lat: 26.79N Lon: 57.74E Depth: 26F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.1 secs

SOUTHERN IRAN Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 6207 | 299 | EP | | 11 4 | 25.77 | 0.15 | | | | | | | 1.0 |
| MESJ | BE | 6207 | 299 | ES | | 1112 | 11.78 | -0.05 | | | | | | | 1.0 |
| MESJ | BN | 6207 | 299 | AMS | | 1130 | 23.87 | | | 2240 | 19.3 | | | | |
| MORF | BZ | 6254 | 298 | EP | | 11 4 | 28.68 | -0.05 | | | | | | | 1.0 |
| MORF | BE | 6254 | 298 | ES | | 1112 | 17.54 | -0.05 | | | | | | | 1.0 |
| MORF | BN | 6254 | 298 | AMS | | 1130 | 42.56 | | | 1698 | 18.2 | | | | |

May 12 2013 Hour: 11:26 5.1 Lat: 37.91N Lon: 9.48W Depth: 28F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

W SINES, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 99 | 132 | EP | | 1126 | 20.37 | -0.08 | | | | | | | 1.0 |
| MORF | HN | 99 | 132 | ES | | 1126 | 31.46 | -0.16 | | | | | | | 1.0 |
| MORF | HN | 99 | 132 | AML | | 1126 | 32.41 | | | 27 | 0.1 | | | | |
| MESJ | HZ | 111 | 94 | EP | | 1126 | 21.95 | 0.06 | | | | | | | 1.0 |
| MESJ | HN | 111 | 94 | ES | | 1126 | 34.30 | 0.18 | | | | | | | 1.0 |
| MESJ | HN | 111 | 94 | AML | | 1126 | 36.02 | | | 42 | 0.2 | | | | |

May 12 2013 Hour: 13:17 28.8 Lat: 36.25N Lon: 8.48W Depth: 13F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 118 | 353 | EP | | 1317 | 47.26 | -0.16 | | | | | | | 1.0 |
| MORF | HN | 118 | 353 | ES | | 1318 | 1.07 | 0.07 | | | | | | | 1.0 |
| MORF | HN | 118 | 353 | AML | | 1318 | 2.49 | | | 11 | 0.2 | | | | |
| MESJ | HZ | 178 | 7 | EP | | 1317 | 55.14 | 0.09 | | | | | | | 1.0 |
| MESJ | HN | 178 | 7 | ES | | 1318 | 14.22 | 0.01 | | | | | | | 1.0 |
| MESJ | HE | 178 | 7 | AML | | 1318 | 16.00 | | | 5 | 0.1 | | | | |

May 13 2013 Hour: 1:15 44.8 Lat: 36.29N Lon: 14.10W Depth: 0 Agency: IGL Regional
Magnitudes: 2.2ML 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 | 500 | 75 | EP | | 116 | 52.17 | 0.03 | | | | | | | 1.0 |
| MORF | HE | 500 | 75 | ES | | 117 | 41.27 | -0.03 | | | | | | | 1.0 |
| MORF | HN | 500 | 75 | AML | | 117 | 45.36 | | | 6 | 0.2 | | | | |

| | | | | | | | | | | | | | | | | | |
|---------|-----|----|-----|-----|------------|------|--|--|---|-----|--|--|--|--|--|--|-----|
| MESJ HZ | 551 | 70 | EP | 116 | 58.29-0.03 | | | | | | | | | | | | 1.0 |
| MESJ HN | 551 | 70 | ES | 117 | 52.01 | 0.03 | | | | | | | | | | | 1.0 |
| MESJ HN | 551 | 70 | AML | 117 | 55.70 | | | | 3 | 0.3 | | | | | | | |

May 13 2013 Hour: 1:54 22.1 Lat: 38.09N Lon: 8.78W Depth: 0 Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

SW MELIDES, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|---------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ HZ | | 57 | 119 | EP | | 154 | 31.00 | -0.18 | | | | | | | 1.0 |
| MESJ HE | | 57 | 119 | ES | | 154 | 37.86 | 0.02 | | | | | | | 1.0 |
| MESJ HE | | 57 | 119 | AML | | 154 | 41.31 | | 4 | 0.1 | | | | | |
| MORF HZ | | 88 | 172 | EP | | 154 | 36.43 | 0.21 | | | | | | | 1.0 |
| MORF HN | | 88 | 172 | ES | | 154 | 46.50 | -0.04 | | | | | | | 1.0 |
| MORF HN | | 88 | 172 | AML | | 154 | 46.98 | | 8 | 0.3 | | | | | |

May 13 2013 Hour: 3:30 10.7 Lat: 37.30N Lon: 8.55W Depth: 16F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|---------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF HZ | | 9 | 275 | EP | | 330 | 13.57 | -0.11 | | | | | | | 1.0 |
| MORF HN | | 9 | 275 | ES | | 330 | 15.97 | 0.11 | | | | | | | 1.0 |
| MORF HN | | 9 | 275 | AML | | 330 | 16.52 | | 6 | 0.2 | | | | | |

May 13 2013 Hour: 20:34 57.6 Lat: 36.69N Lon: 9.67W Depth: 17F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|---------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF HZ | | 114 | 53 | EP | | 2035 | 15.52 | -0.02 | | | | | | | 1.0 |
| MORF HN | | 114 | 53 | ES | | 2035 | 28.74 | 0.11 | | | | | | | 1.0 |
| MORF HE | | 114 | 53 | AML | | 2035 | 31.62 | | 11 | 0.2 | | | | | |
| MESJ HZ | | 181 | 45 | EP | | 2035 | 23.90 | -0.01 | | | | | | | 1.0 |
| MESJ HN | | 181 | 45 | ES | | 2035 | 43.02 | -0.09 | | | | | | | 1.0 |
| MESJ HE | | 181 | 45 | AML | | 2035 | 45.40 | | 4 | 0.1 | | | | | |

May 14 2013 Hour: 0:32 26.0 Lat: 18.75N Lon: 145.29E Depth: 602F Agency: IGL Distant
Rms: 0.1 secs

PAGAN REGION, N. MARIANA ISLANDS Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|--------------|----|------|--------|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV BZ13134 | | 338 | EPdif | | | 046 | 27.30 | 0.01 | | | | | | | 1.0 |
| GGNV BZ13134 | | 338 | EPP | | | 051 | 30.94 | 0.05 | | | | | | | 1.0 |
| MESJ BZ13181 | | 336 | EPdif | | | 046 | 29.29 | 0.08 | | | | | | | 1.0 |
| MESJ BZ13181 | | 336 | EPKpdf | | | 050 | 6.03 | 0.05 | | | | | | | 1.0 |
| MESJ BZ13181 | | 336 | EPP | | | 051 | 33.76 | -0.06 | | | | | | | 1.0 |
| MORF BZ13251 | | 336 | EPdif | | | 046 | 32.04 | -0.03 | | | | | | | 1.0 |
| MORF BZ13251 | | 336 | EPKpdf | | | 050 | 7.20 | -0.04 | | | | | | | 1.0 |
| MORF BZ13251 | | 336 | EPP | | | 051 | 38.09 | -0.06 | | | | | | | 1.0 |

May 14 2013 Hour: 2:38 7.3 Lat: 36.70N Lon: 11.30W Depth: 31F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|---------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF HZ | | 245 | 73 | EP | | 238 | 40.52 | 0.00 | | | | | | | 1.0 |
| MORF HE | | 245 | 73 | ES | | 239 | 4.77 | -0.01 | | | | | | | 1.0 |
| MORF HN | | 245 | 73 | AML | | 239 | 7.52 | | 56 | 0.5 | | | | | |
| MESJ HZ | | 301 | 64 | EP | | 238 | 47.54 | 0.12 | | | | | | | 1.0 |
| MESJ HN | | 301 | 64 | ES | | 239 | 16.60 | -0.12 | | | | | | | 1.0 |
| MESJ HN | | 301 | 64 | AML | | 239 | 18.58 | | 12 | 0.3 | | | | | |

May 14 2013 Hour: 3:54 30.4 Lat: 36.69N Lon: 7.37W Depth: 6F Agency: IGL Regional
 Magnitudes: 1.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 133 | 301 | EP | | 354 | 51.42 | -0.12 | | | | | | | 1.0 |
| MORF | HN | 133 | 301 | ES | | 355 | 7.07 | 0.07 | | | | | | | 1.0 |
| MORF | HN | 133 | 301 | AML | | 355 | 8.87 | | | 5 | 0.1 | | | | |
| MESJ | HZ | 148 | 330 | EP | | 354 | 53.59 | -0.04 | | | | | | | 1.0 |
| MESJ | HE | 148 | 330 | ES | | 355 | 10.70 | 0.09 | | | | | | | 1.0 |
| MESJ | HN | 148 | 330 | AML | | 355 | 13.49 | | | 5 | 0.3 | | | | |

May 14 2013 Hour: 22:50 36.4 Lat: 37.23N Lon: 7.31W Depth: 1 Agency: IGL Regional
 Magnitudes: 1.6ML IGL Rms: 0.1 secs

SPAIN Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 105 | 310 | EP | | 2250 | 53.32 | -0.08 | | | | | | | 1.0 |
| MESJ | HN | 105 | 310 | ES | | 2251 | 5.81 | 0.04 | | | | | | | 1.0 |
| MESJ | HN | 105 | 310 | AML | | 2251 | 9.34 | | | 10 | 0.1 | | | | |
| MORF | HN | 119 | 274 | ES | | 2251 | 9.76 | 0.04 | | | | | | | 1.0 |
| MORF | HN | 119 | 274 | AML | | 2251 | 11.26 | | | 17 | 0.4 | | | | |

May 14 2013 Hour: 23:39 17.2 Lat: 15.71S Lon: 73.12W Depth: 120F Agency: IGL Distant
 Magnitudes: 5.4MB IGL Rms: 0.0 secs

SOUTHERN PERU Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 8936 | 47 | EP | | 2351 | 15.08 | 0.02 | | | | | | | 1.0 |
| MORF | BZ | 8936 | 47 | AMb | | 2351 | 18.85 | | | 156 | 1.8 | | | | |
| MESJ | BZ | 8997 | 47 | EP | | 2351 | 17.92 | -0.02 | | | | | | | 1.0 |
| MESJ | BZ | 8997 | 47 | AMb | | 2351 | 21.00 | | | 88 | 1.1 | | | | |

May 15 2013 Hour: 3:36 1.7 Lat: 4.58S Lon: 152.82E Depth: 69F Agency: IGL Distant
 Magnitudes: 5.1MS IGL Rms: 0.1 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 | BZ15879 | 335 | EPKpdf | | | 355 | 26.41 | 0.07 | | | | | | | 1.0 |
| MESJ | BZ15879 | 335 | AMS | | | 5 0 | 5.10 | | | 302 | 17.7 | | | | |
| MORF | BZ15950 | 335 | EPKpdf | | | 355 | 27.43 | -0.07 | | | | | | | 1.0 |
| MORF | BE15950 | 335 | AMS | | | 455 | 54.34 | | | 407 | 22.9 | | | | |

May 16 2013 Hour: 21:48 24.4 Lat: 36.42N Lon: 9.68W Depth: 8F 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 | 43 | EP | | 2148 | 45.71 | 0.04 | | | | | | | 1.0 |
| MORF | HN | 135 | 43 | ES | | 2149 | 1.26 | 0.04 | | | | | | | 1.0 |
| MORF | HN | 135 | 43 | AML | | 2149 | 2.67 | | | 9 | 0.3 | | | | |
| MESJ | HZ | 204 | 39 | EP | | 2148 | 54.25 | -0.11 | | | | | | | 1.0 |
| MESJ | HN | 204 | 39 | ES | | 2149 | 16.28 | 0.02 | | | | | | | 1.0 |
| MESJ | HN | 204 | 39 | AML | | 2149 | 17.34 | | | 2 | 0.6 | | | | |

May 17 2013 Hour: 6:43 16.6 Lat: 11.09S Lon: 165.08E Depth: 10F Agency: IGL Distant
 Magnitudes: 5.4MS IGL Rms: 0.0 secs

SANTA CRUZ ISLANDS Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|--------|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ16996 | 348 | EPKpdf | | | 7 3 | 5.80 | 0.04 | | | | | | | 1.0 |
| MESJ | BE16996 | 348 | AMS | | | 813 | 41.93 | | | 595 | 21.8 | | | | |
| MORF | BZ17062 | 349 | EPKpdf | | | 7 3 | 6.64 | -0.04 | | | | | | | 1.0 |
| MORF | BE17062 | 349 | AMS | | | 8 3 | 32.09 | | | 805 | 23.3 | | | | |

May 17 2013 Hour: 8:32 39.4 Lat: 6.24S Lon: 154.41E Depth: 69F Agency: IGL Distant
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 |
|------|---------|------|-----|--------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ16120 | 336 | | EPKPdf | | 852 | 7.75 | 0.02 | | | | | | | 1.0 |
| MORF | BZ16190 | 336 | | EPKPdf | | 852 | 8.84 | -0.02 | | | | | | | 1.0 |

May 17 2013 Hour: 9:33 2.2 Lat: 36.59N Lon: 9.78W Depth: 11F 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 | 128 | 51 | EP | | 933 | 22.43 | 0.03 | | | | | | | 1.0 |
| MORF | HE | 128 | 51 | ES | | 933 | 37.23 | 0.11 | | | | | | | 1.0 |
| MORF | HE | 128 | 51 | AML | | 933 | 39.54 | | | 16 | 0.1 | | | | |
| MESJ | HZ | 196 | 44 | EP | | 933 | 30.76 | -0.14 | | | | | | | 1.0 |
| MESJ | HN | 196 | 44 | ES | | 933 | 51.82 | -0.01 | | | | | | | 1.0 |
| MESJ | HE | 196 | 44 | AML | | 933 | 52.96 | | | 4 | 0.1 | | | | |

May 17 2013 Hour: 19:40 2.3 Lat: 38.19N Lon: 13.77W Depth: 12F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.2 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 | 462 | 101 | EP | | 1941 | 3.94 | 0.14 | | | | | | | 1.0 |
| MORF | HE | 462 | 101 | ES | | 1941 | 48.38 | -0.34 | | | | | | | 1.0 |
| MORF | HN | 462 | 101 | AML | | 1941 | 52.61 | | | 8 | 0.3 | | | | |
| MESJ | HE | 489 | 93 | ES | | 1941 | 54.57 | 0.20 | | | | | | | 1.0 |
| MESJ | HN | 489 | 93 | AML | | 1941 | 57.47 | | | 5 | 0.1 | | | | |

May 17 2013 Hour: 21:9 7.8 Lat: 35.93N Lon: 7.60W Depth: 20F Agency: IGL Regional
Magnitudes: 1.7ML 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 | 179 | 329 | EP | | 21 9 | 33.51 | -0.16 | | | | | | | 1.0 |
| MORF | HE | 179 | 329 | ES | | 21 9 | 52.64 | 0.10 | | | | | | | 1.0 |
| MORF | HN | 179 | 329 | AML | | 21 9 | 53.66 | | | 8 | 0.3 | | | | |
| MESJ | HZ | 219 | 346 | EP | | 21 9 | 38.77 | 0.21 | | | | | | | 1.0 |
| MESJ | HE | 219 | 346 | ES | | 2110 | 0.86 | -0.15 | | | | | | | 1.0 |
| MESJ | HN | 219 | 346 | AML | | 2110 | 4.05 | | | 5 | 0.2 | | | | |

May 18 2013 Hour: 4:2 50.7 Lat: 36.55N Lon: 7.90W Depth: 1F 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 | 146 | 349 | EP | | 4 3 | 14.15 | 0.08 | | | | | | | 1.0 |
| MESJ | HN | 146 | 349 | ES | | 4 3 | 31.07 | -0.08 | | | | | | | 1.0 |
| MESJ | HN | 146 | 349 | AML | | 4 3 | 33.63 | | | 3 | 0.2 | | | | |

May 18 2013 Hour: 5:47 59.0 Lat: 37.74N Lon: 141.49E Depth: 34F Agency: IGL Distant
Magnitudes: 5.9MS 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 | BZ11092 | 336 | | EPdif | | 6 1 | 39.31 | -0.02 | | | | | | | 1.0 |
| MESJ | BZ11092 | 336 | | EPP | | 6 5 | 43.91 | -0.03 | | | | | | | 1.0 |
| MESJ | BN11092 | 336 | | ESKSac | | 612 | 15.12 | -0.02 | | | | | | | 1.0 |
| MESJ | BN11092 | 336 | | ESS | | 620 | 4.27 | 0.09 | | | | | | | 1.0 |
| MESJ | BZ11092 | 336 | | AMS | | 649 | 18.76 | | | 5091 | 25.1 | | | | |

May 18 2013 Hour: 10: 3 18.8 Lat: 26.69N Lon: 57.81E Depth: 10F Agency: IGL Distant
Magnitudes: 5.5MB 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 6219 299 EP 1012 56.85 0.03 1.0
 MESJ BZ 6219 299 AMb 1013 2.54 71 1.1
 MESJ BN 6219 299 ES 1020 45.34-0.03 1.0

May 18 2013 Hour: 10:57 49.9 Lat: 26.77N Lon: 57.78E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.1 secs
SOUTHERN IRAN Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ 6211 299 EP 11 7 27.43-0.10 1.0
 MESJ BN 6211 299 AMS 1133 25.28 1990 20.7

May 18 2013 Hour: 18: 7 16.6 Lat: 36.84N Lon: 11.17W Depth: 31F 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
 MESJ HZ 284 66 EP 18 7 54.49-0.10 1.0
 MESJ HN 284 66 ES 18 8 22.45 0.10 1.0
 MESJ HN 284 66 AML 18 8 25.55 6 0.3

May 19 2013 Hour: 5:37 16.4 Lat: 35.37N Lon: 4.67W Depth: 0 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
 MESJ HZ 419 312 EP 538 13.96-0.02 1.0
 MESJ HN 419 312 ES 538 56.01 0.02 1.0
 MESJ HN 419 312 AML 538 58.33 2 0.1

May 19 2013 Hour: 9: 7 24.8 Lat: 36.67N Lon: 5.31E Depth: 0 Agency: IGL Distant
Magnitudes: 4.3MS IGL Rms: 0.2 secs
NORTHERN ALGERIA Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ 1206 280 EP 910 1.09-0.24 1.0
 MESJ BN 1206 280 ES 912 5.04 0.28 1.0
 MESJ BN 1206 280 AMS 913 53.76 2706 18.2
 GGNV BZ 1294 284 EP 910 12.24 0.14 1.0
 GGNV BE 1294 284 ES 912 23.88-0.18 1.0
 GGNV BN 1294 284 AMS 914 16.72 3365 17.0

May 19 2013 Hour: 18:44 10.8 Lat: 52.28N Lon: 160.09E Depth: 16F Agency: IGL Distant
Magnitudes: 6.0MS IGL Rms: 0.1 secs
OFF EAST COAST OF KAMCHATKA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ 9875 352 EP 1857 3.59-0.08 1.0
 GGNV BN 9875 352 AMS 1942 5.98 8342 19.5
 MESJ BZ 9962 351 EP 1857 7.45 0.07 1.0
 MESJ BZ 9962 351 EPP 19 0 39.63-0.09 1.0
 MESJ BN 9962 351 ESKSac 19 7 37.37 0.10 1.0
 MESJ BN 9962 351 AMS 1941 58.82 5276 22.3

May 19 2013 Hour: 20: 9 20.5 Lat: 36.61N Lon: 9.76W Depth: 24F 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
 MESJ HZ 193 45 EP 20 9 47.65-0.01 1.0
 MESJ HN 193 45 ES 2010 7.53 0.01 1.0
 MESJ HN 193 45 AML 2010 9.78 3 0.3

May 19 2013 Hour: 22:38 50.5 Lat: 52.36N Lon: 160.22E Depth: 40F Agency: IGL Distant
Magnitudes: 5.6MS IGL Rms: 0.1 secs
OFF EAST COAST OF KAMCHATKA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ 9868 352 EP 2251 39.68 0.06 1.0
 GGNV BN 9868 352 AMS 2342 38.26 2137 18.3
 MESJ BZ 9955 351 EP 2251 43.28-0.06 1.0
 MESJ BZ 9955 351 AMS 2341 5.28 2020 17.5

May 20 2013 Hour: 13:52 57.2 Lat: 35.80N Lon: 9.80W Depth: 0 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 196 31 EP 1353 26.91-0.18 1.0
 MORF HN 196 31 ES 1353 48.92 0.02 1.0
 MORF HN 196 31 AML 1353 51.34 17 0.1
 MESJ HZ 267 31 EP 1353 35.81 0.01 1.0
 MESJ HN 267 31 ES 1354 4.13 0.17 1.0
 MESJ HN 267 31 AML 1354 7.49 4 0.1

May 20 2013 Hour: 23:1 25.6 Lat: 52.43N Lon: 160.22E Depth: 17F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.0 secs
OFF EAST COAST OF KAMCHATKA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ 9860 352 EP 2314 17.74 0.07 0.0
 GGNV BZ 9860 352 AMb 2314 20.44 89 1.8
 MESJ BZ 9947 351 EP 2314 21.42 0.03 1.0
 MESJ BZ 9947 351 AMb 2314 24.58 33 1.8
 MORF BZ10011 351 EP 2314 24.08-0.03 1.0
 MORF BZ10011 351 AMb 2314 30.40 70 2.1

May 21 2013 Hour: 1:55 6.2 Lat: 52.47N Lon: 160.49E Depth: 15F Agency: IGL Distant
Magnitudes: 6.0MS IGL Rms: 0.1 secs
OFF EAST COAST OF KAMCHATKA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ 9858 352 EP 2 7 58.54-0.02 1.0
 GGNV BZ 9858 352 EPP 211 27.82-0.01 1.0
 GGNV BE 9858 352 AMS 250 50.81 8309 19.8
 MESJ BZ 9945 351 EP 2 8 2.20-0.09 1.0
 MESJ BZ 9945 351 EPP 211 34.22 0.09 1.0
 MESJ BZ 9945 351 AMS 258 50.81 4429 14.9
 MORF BZ10009 351 EP 2 8 4.97-0.04 1.0
 MORF BN10009 351 ESKSac 218 35.63 0.06 1.0
 MORF BZ10009 351 AMS 254 33.71 4681 18.4

May 21 2013 Hour: 3: 8 22.5 Lat: 52.49N Lon: 159.99E Depth: 44F Agency: IGL Distant
Magnitudes: 5.5MB IGL Rms: 0.1 secs
OFF EAST COAST OF KAMCHATKA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ 9937 351 EP 321 14.21 0.09 1.0
 MESJ BZ 9937 351 AMb 321 15.55 42 0.9

May 21 2013 Hour: 5:43 22.6 Lat: 52.31N Lon: 159.99E Depth: 37F Agency: IGL Distant
Magnitudes: 5.6MB IGL Rms: 0.1 secs
OFF EAST COAST OF KAMCHATKA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GGNV BZ 9871 352 EP 556 12.09-0.11 1.0
 GGNV BZ 9871 352 AMb 556 13.60 131 1.1
 MESJ BZ 9958 351 EP 556 16.01 0.11 1.0
 MESJ BZ 9958 351 AMb 556 22.77 63 2.1

May 21 2013 Hour: 14:51 20.5 Lat: 52.55N Lon: 160.62E Depth: 41F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.1 secs
OFF EAST COAST OF KAMCHATKA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 9938 | 351 | EP | | 15 | 4 | 12.61 | | | | | | | 1.0 |
| MESJ | BZ | 9938 | 351 | AMb | | 15 | 4 | 15.00 | | 19 | 1.9 | | | | |
| MORF | BZ10001 | | 351 | EP | | 15 | 4 | 15.13-0.10 | | | | | | | 1.0 |
| MORF | BZ10001 | | 351 | AMb | | 15 | 4 | 17.07 | | 57 | 1.5 | | | | |

May 21 2013 Hour: 16:13 13.4 Lat: 36.67N Lon: 9.81W Depth: 17F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MORF | HZ | 125 | 55 | EP | | 1613 | | 32.92 | | | | | | | 1.0 |
| MORF | HN | 125 | 55 | ES | | 1613 | | 46.83-0.11 | | | | | | | 1.0 |
| MORF | HN | 125 | 55 | AML | | 1613 | | 49.43 | | 8 | 0.2 | | | | |

May 21 2013 Hour: 23: 2 43.7 Lat: 13.79S Lon: 72.43W Depth: 82F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.1 secs
CENTRAL PERU Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MORF | BZ | 8736 | 47 | EP | | 2314 | | 35.97-0.17 | | | | | | | 1.0 |
| MORF | BZ | 8736 | 47 | AMb | | 2314 | | 40.97 | | 126 | 2.5 | | | | |
| MORF | BN | 8736 | 47 | ES | | 2324 | | 26.34-0.14 | | | | | | | 1.0 |
| GGNV | BZ | 8770 | 45 | EP | | 2314 | | 37.83 | | | | | | | 1.0 |
| GGNV | BZ | 8770 | 45 | AMb | | 2314 | | 43.23 | | 106 | 1.0 | | | | |
| GGNV | BN | 8770 | 45 | ES | | 2324 | | 29.66 | | | | | | | 1.0 |
| MESJ | BZ | 8797 | 47 | EP | | 2314 | | 38.96-0.12 | | | | | | | 1.0 |
| MESJ | BZ | 8797 | 47 | AMb | | 2314 | | 45.18 | | 44 | 2.0 | | | | |
| MESJ | BE | 8797 | 47 | ES | | 2324 | | 32.37 | | | | | | | 1.0 |

May 22 2013 Hour: 5:47 45.7 Lat: 36.57N Lon: 7.10W Depth: 31F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.4 secs
STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MORF | HE | 161 | 301 | ES | | 548 | | 24.53-0.44 | | | | | | | 1.0 |
| MORF | HE | 161 | 301 | AML | | 548 | | 25.60 | | 4 | 0.1 | | | | |
| MESJ | HZ | 172 | 325 | EP | | 548 | | 10.45 | | | | | | | 1.0 |
| MESJ | HN | 172 | 325 | ES | | 548 | | 27.31-0.17 | | | | | | | 1.0 |
| MESJ | HN | 172 | 325 | AML | | 548 | | 29.17 | | 2 | 0.1 | | | | |

May 22 2013 Hour: 7:26 8.0 Lat: 37.28N Lon: 8.54W Depth: 9F Agency: IGL Regional
Magnitudes: 0.5ML 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 | 10 | 287 | EP | | 726 | | 10.27 | | | | | | | 1.0 |
| MORF | HN | 10 | 287 | ES | | 726 | | 11.93 | | | | | | | 1.0 |
| MORF | HE | 10 | 287 | AML | | 726 | | 12.54 | | 25 | 0.1 | | | | |

May 22 2013 Hour: 23: 5 40.8 Lat: 36.17N Lon: 4.00W Depth: 0 Agency: IGL Regional
Magnitudes: 0.0 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 | 419 | 297 | EP | | 23 | 6 | 38.26-0.01 | | | | | | | 1.0 |

May 23 2013 Hour: 14: 9 5.3 Lat: 38.66N Lon: 20.45E Depth: 2F Agency: IGL Distant
Magnitudes: 4.6MB IGL Rms: 0.0 secs
GREECE Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 2501 | 277 | EP | | 1414 | | 6.06 | | | | | | | 1.0 |
| MESJ | BZ | 2501 | 277 | AMb | | 1414 | | 11.44 | | 38 | 1.4 | | | | |

May 23 2013 Hour: 17:19 5.8 Lat: 23.02S Lon: 177.11W Depth:171F Agency: IGL Distant
Rms: 0.1 secs

SOUTH OF FIJI ISLANDS Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|--------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ17945 | | 31 | EPKpdf | | 1738 | 45.17 | 0.04 | | | | | | | 1.0 |
| GGNV | BZ17945 | | 31 | EPP | | 1743 | 14.26 | 0.07 | | | | | | | 1.0 |
| GGNV | BN17945 | | 31 | ESS | | 18 3 | 16.80 | 0.18 | | | | | | | 0.9 |
| MESJ | BZ18072 | | 30 | EPKpdf | | 1738 | 46.33 | -0.02 | | | | | | | 1.0 |
| MESJ | BZ18072 | | 30 | EPP | | 1743 | 20.37 | 0.10 | | | | | | | 1.0 |
| MESJ | BN18072 | | 30 | ESS | | 18 3 | 28.18 | -0.29 | | | | | | | 0.8 |
| MORF | BZ18096 | | 32 | EPKpdf | | 1738 | 46.59 | -0.03 | | | | | | | 1.0 |
| MORF | BZ18096 | | 32 | EPP | | 1743 | 21.50 | 0.03 | | | | | | | 1.0 |
| MORF | BN18096 | | 32 | ESS | | 18 3 | 30.65 | -0.16 | | | | | | | 1.0 |

May 23 2013 Hour: 19:44 5.4 Lat: 32.20N Lon: 6.07W Depth: 0 Agency: IGL Regional
Magnitudes: 2.6ML IGL
Rms: 0.1 secs

MOROCCO Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 614 | 338 | EP | | 1945 | 26.51 | -0.08 | | | | | | | 1.0 |
| MORF | HN | 614 | 338 | ES | | 1946 | 26.00 | 0.15 | | | | | | | 1.0 |
| MORF | HN | 614 | 338 | AML | | 1946 | 33.61 | | | 7 | 0.6 | | | | |
| MESJ | HZ | 656 | 343 | EP | | 1945 | 31.57 | -0.07 | | | | | | | 1.0 |

May 23 2013 Hour: 20: 3 8.3 Lat: 36.42N Lon: 3.49E Depth: 6F Agency: IGL Regional
Rms: 0.1 secs

NORTHERN ALGERIA Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 1051 | 282 | EP | | 20 5 | 20.47 | -0.10 | | | | | | | 1.0 |
| MORF | BZ | 1086 | 279 | EP | | 20 5 | 24.78 | 0.10 | | | | | | | 1.0 |

May 23 2013 Hour: 21: 7 45.7 Lat: 20.56S Lon: 175.74W Depth:154F Agency: IGL Distant
Rms: 0.2 secs

TONGA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|--------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ17639 | | 30 | EPKpdf | | 2127 | 24.14 | 0.15 | | | | | | | 1.0 |
| GGNV | BN17639 | | 30 | ESS | | 2151 | 30.97 | 0.00 | | | | | | | 1.0 |
| MESJ | BZ17766 | | 29 | EPKpdf | | 2127 | 25.56 | 0.20 | | | | | | | 1.0 |
| MESJ | BE17766 | | 29 | ESS | | 2151 | 42.75 | -0.26 | | | | | | | 0.9 |
| MORF | BZ17791 | | 31 | EPKpdf | | 2127 | 25.70 | 0.03 | | | | | | | 1.0 |
| MORF | BN17791 | | 31 | ESS | | 2151 | 45.32 | -0.13 | | | | | | | 1.0 |

May 23 2013 Hour: 22:44 54.9 Lat: 27.21N Lon: 53.61E Depth: 10F Agency: IGL Distant
Magnitudes: 4.9MB 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 | 5825 | 298 | EP | | 2254 | 7.04 | -0.03 | | | | | | | 1.0 |
| MESJ | BZ | 5825 | 298 | AMb | | 2254 | 9.17 | | | 23 | 1.8 | | | | |
| MORF | BZ | 5871 | 298 | EP | | 2254 | 10.21 | 0.03 | | | | | | | 1.0 |
| MORF | BZ | 5871 | 298 | AMb | | 2254 | 12.83 | | | 42 | 1.4 | | | | |

May 24 2013 Hour: 3:47 7.9 Lat: 40.19N Lon: 121.06W Depth: 11F Agency: IGL Distant
Magnitudes: 5.5MS IGL
Rms: 0.0 secs

NORTHERN CALIFORNIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 8999 | 48 | EP | | 359 | 22.52 | 0.06 | | | | | | | 1.0 |
| MESJ | BN | 8999 | 48 | ES | | 4 9 | 31.85 | -0.03 | | | | | | | 1.0 |
| MESJ | BZ | 8999 | 48 | AMS | | 435 | 56.36 | | | 1663 | 15.5 | | | | |
| MORF | BZ | 9013 | 48 | EP | | 359 | 23.24 | 0.04 | | | | | | | 1.0 |
| MORF | BN | 9013 | 48 | ES | | 4 9 | 33.25 | -0.06 | | | | | | | 1.0 |
| MORF | BZ | 9013 | 48 | AMS | | 439 | 15.92 | | | 1457 | 15.8 | | | | |

May 24 2013 Hour: 5:44 49.3 Lat: 54.87N Lon: 153.28E Depth:609F Agency: IGL Distant
Magnitudes: 6.7MB IGL Rms: 0.1 secs

SEA OF OKHOTSK Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|--------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ | 9504 | 346 | EP | | 556 | 23.57 | -0.20 | | | | | | | 1.0 |
| GGNV | BZ | 9504 | 346 | AMb | | 556 | 50.13 | | | 4922 | 1.2 | | | | |
| GGNV | BZ | 9504 | 346 | EpP | | 558 | 34.09 | 0.15 | | | | | | | 1.0 |
| GGNV | BN | 9504 | 346 | ESKSac | | 6 5 | 51.24 | -0.01 | | | | | | | 1.0 |
| MESJ | BZ | 9585 | 345 | EP | | 556 | 27.12 | -0.14 | | | | | | | 1.0 |
| MESJ | BZ | 9585 | 345 | AMb | | 556 | 55.81 | | | 4424 | 1.0 | | | | |
| MESJ | BZ | 9585 | 345 | EpP | | 558 | 37.81 | 0.08 | | | | | | | 1.0 |
| MESJ | BN | 9585 | 345 | ESKSac | | 6 5 | 55.92 | 0.14 | | | | | | | 1.0 |
| MORF | BZ | 9650 | 346 | EP | | 556 | 30.07 | 0.00 | | | | | | | 1.0 |
| MORF | BZ | 9650 | 346 | AMb | | 556 | 58.95 | | | 9880 | 2.0 | | | | |
| MORF | BZ | 9650 | 346 | EpP | | 558 | 40.82 | 0.05 | | | | | | | 1.0 |
| MORF | BN | 9650 | 346 | ESKSac | | 6 5 | 59.37 | -0.06 | | | | | | | 1.0 |

May 24 2013 Hour: 11:10 48.6 Lat: 24.25S Lon: 174.83W Depth: 10F Agency: IGL Distant
Magnitudes: 6.2MS IGL Rms: 0.0 secs

SOUTH OF TONGA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|-------|-----|--------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ | 17928 | 37 | EPKpdf | | 1130 | 48.59 | -0.03 | | | | | | | 1.0 |
| GGNV | BZ | 17928 | 37 | AMS | | 1238 | 43.07 | | | 3422 | 20.4 | | | | |
| MESJ | BZ | 18054 | 37 | EPKpdf | | 1130 | 49.86 | 0.01 | | | | | | | 1.0 |
| MESJ | BZ | 18054 | 37 | AMS | | 1239 | 15.98 | | | 2979 | 14.8 | | | | |
| MORF | BZ | 18069 | 39 | EPKpdf | | 1130 | 50.05 | 0.01 | | | | | | | 1.0 |
| MORF | BZ | 18069 | 39 | AMS | | 1243 | 54.53 | | | 2293 | 17.4 | | | | |

May 24 2013 Hour: 13:0 2.3 Lat: 32.35N Lon: 7.81W Depth: 15F 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 | | 13 1 | 14.88 | 0.02 | | | | | | | 1.0 |

May 24 2013 Hour: 14:56 30.6 Lat: 52.22N Lon: 151.51E Depth:623F Agency: IGL Distant
Magnitudes: 6.3MB IGL Rms: 0.3 secs

SEA OF OKHOTSK Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|--------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ | 9763 | 345 | EP | | 15 8 | 14.58 | -0.16 | | | | | | | 1.0 |
| GGNV | BZ | 9763 | 345 | AMb | | 15 8 | 16.80 | | | 1485 | 1.4 | | | | |
| GGNV | BZ | 9763 | 345 | EpP | | 1510 | 28.21 | -0.02 | | | | | | | 1.0 |
| GGNV | BN | 9763 | 345 | ESKSac | | 1517 | 44.56 | 0.41 | | | | | | | 1.0 |
| MESJ | BZ | 9841 | 344 | EP | | 15 8 | 17.91 | -0.15 | | | | | | | 1.0 |
| MESJ | BZ | 9841 | 344 | AMb | | 15 8 | 20.32 | | | 1743 | 1.3 | | | | |
| MESJ | BZ | 9841 | 344 | EpP | | 1510 | 32.02 | 0.26 | | | | | | | 1.0 |
| MESJ | BE | 9841 | 344 | ESKSac | | 1517 | 48.06 | -0.29 | | | | | | | 1.0 |
| MORF | BZ | 9907 | 344 | EP | | 15 8 | 20.72 | -0.14 | | | | | | | 1.0 |
| MORF | BZ | 9907 | 344 | AMb | | 15 8 | 23.80 | | | 3023 | 1.3 | | | | |
| MORF | BZ | 9907 | 344 | EpP | | 1510 | 34.80 | | | | | | | | |
| MORF | BZ | 9907 | 344 | EpP | | 1510 | 35.28 | 0.55 | | | | | | | 1.0 |
| MORF | BZ | 9907 | 344 | EpP | | 1510 | 35.44 | | | | | | | | |
| MORF | BN | 9907 | 344 | ESKSac | | 1517 | 51.48 | -0.41 | | | | | | | 1.0 |

May 24 2013 Hour: 22:18 32.8 Lat: 40.90N Lon: 69.17E Depth: 16F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.1 secs

EASTERN UZBEKISTAN Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 6451 | 294 | EP | | 2228 | 25.07 | 0.07 | | | | | | | 1.0 |
| MESJ | BZ | 6451 | 294 | AMb | | 2228 | 35.11 | | | 45 | 1.4 | | | | |
| MORF | BZ | 6514 | 294 | EP | | 2228 | 28.92 | -0.07 | | | | | | | 1.0 |
| MORF | BZ | 6514 | 294 | AMb | | 2228 | 32.37 | | | 33 | 1.5 | | | | |

May 25 2013 Hour: 1: 4 28.5 Lat: 16.76S Lon: 69.56W Depth:163F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.1 secs
SOUTHERN PERU Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 8742 | 45 | EP | | 116 | 12.23 | 0.17 | | | | | | | 1.0 |
| MORF | BZ | 8742 | 45 | AMb | | 116 | 14.14 | | | 97 | 1.2 | | | | |
| MESJ | BZ | 8805 | 45 | EP | | 116 | 15.03 | -0.07 | | | | | | | 1.0 |
| MESJ | BZ | 8805 | 45 | AMb | | 116 | 16.61 | | | 47 | 1.1 | | | | |
| MESJ | BE | 8805 | 45 | ES | | 126 | 1.44 | -0.09 | | | | | | | 1.0 |

May 25 2013 Hour: 11:29 1.6 Lat: 35.92N Lon: 7.71W Depth: 23F Agency: IGL Regional
Magnitudes: 3.2ML 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 | 175 | 332 | EP | | 1129 | 26.57 | -0.15 | | | | | | | 1.0 |
| MORF | HN | 175 | 332 | ES | | 1129 | 45.08 | 0.04 | | | | | | | 1.0 |
| MORF | HN | 175 | 332 | AML | | 1129 | 46.31 | | | 261 | 0.2 | | | | |
| MESJ | HZ | 218 | 348 | EP | | 1129 | 32.01 | 0.05 | | | | | | | 1.0 |
| MESJ | HE | 218 | 348 | ES | | 1129 | 54.18 | 0.07 | | | | | | | 1.0 |
| MESJ | HN | 218 | 348 | AML | | 1129 | 55.31 | | | 145 | 0.2 | | | | |

May 25 2013 Hour: 11:43 21.6 Lat: 35.68N Lon: 4.73W Depth: 13F 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 393 | 309 | EP | | 1144 | 14.79 | 0.17 | | | | | | | 1.0 |
| MESJ | HE | 393 | 309 | ES | | 1144 | 53.03 | -0.26 | | | | | | | 1.0 |
| MESJ | HE | 393 | 309 | AML | | 1144 | 56.26 | | | 7 | 0.3 | | | | |
| MORF | HZ | 395 | 298 | EP | | 1144 | 14.87 | -0.01 | | | | | | | 1.0 |
| MORF | HN | 395 | 298 | ES | | 1144 | 53.84 | 0.10 | | | | | | | 1.0 |
| MORF | HN | 395 | 298 | AML | | 1144 | 56.15 | | | 9 | 0.3 | | | | |

May 25 2013 Hour: 13:34 59.4 Lat: 37.30N Lon: 8.56W Depth: 12F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs
SE MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 8 | 275 | EP | | 1335 | 1.80 | -0.02 | | | | | | | 1.0 |
| MORF | HE | 8 | 275 | ES | | 1335 | 3.60 | 0.02 | | | | | | | 1.0 |
| MORF | HN | 8 | 275 | AML | | 1335 | 4.08 | | | 17 | 0.2 | | | | |

May 25 2013 Hour: 14: 2 27.9 Lat: 35.94N Lon: 7.57W Depth: 26F Agency: IGL Regional
Magnitudes: 1.8ML 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 | 180 | 328 | EP | | 14 | 2 | 53.01 | -0.34 | | | | | | 1.0 |
| MORF | HN | 180 | 328 | ES | | 14 | 3 | 12.02 | 0.10 | | | | | | 1.0 |
| MORF | HN | 180 | 328 | AML | | 14 | 3 | 14.58 | | 12 | 0.4 | | | | |
| MESJ | HZ | 219 | 345 | EP | | 14 | 2 | 58.38 | 0.25 | | | | | | 1.0 |
| MESJ | HE | 219 | 345 | ES | | 14 | 3 | 20.21 | 0.00 | | | | | | 1.0 |
| MESJ | HN | 219 | 345 | AML | | 14 | 3 | 22.82 | | 6 | 0.1 | | | | |

May 25 2013 Hour: 18:13 0.9 Lat: 37.30N Lon: 8.55W Depth: 16F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.2 secs
SE MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 9 | 275 | EP | | 1813 | 3.71 | -0.14 | | | | | | | 1.0 |
| MORF | HN | 9 | 275 | ES | | 1813 | 6.08 | 0.05 | | | | | | | 1.0 |
| MORF | HN | 9 | 275 | AML | | 1813 | 6.71 | | | 238 | 0.2 | | | | |
| MESJ | HZ | 67 | 26 | EP | | 1813 | 11.89 | 0.23 | | | | | | | 1.0 |
| MESJ | HN | 67 | 26 | ES | | 1813 | 19.40 | -0.14 | | | | | | | 1.0 |
| MESJ | HN | 67 | 26 | AML | | 1813 | 20.62 | | | 47 | 0.2 | | | | |

May 25 2013 Hour: 18:31 52.6 Lat: 37.31N Lon: 8.52W Depth: 13F 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 | 12 | 268 | EP | | 1831 | 55.16 | -0.27 | | | | | | | 1.0 |
| MORF | HE | 12 | 268 | ES | | 1831 | 57.61 | 0.09 | | | | | | | 1.0 |
| MORF | HN | 12 | 268 | AML | | 1831 | 58.20 | | | 20 | 0.1 | | | | |
| MESJ | HZ | 65 | 24 | EP | | 1832 | 3.17 | 0.16 | | | | | | | 1.0 |
| MESJ | HN | 65 | 24 | ES | | 1832 | 10.67 | 0.03 | | | | | | | 1.0 |
| MESJ | HE | 65 | 24 | AML | | 1832 | 11.68 | | | 4 | 0.1 | | | | |

May 25 2013 Hour: 19:37 39.5 Lat: 35.94N Lon: 7.69W Depth: 31F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HN | 174 | 331 | ES | | 1938 | 21.63 | -0.08 | | | | | | | 1.0 |
| MORF | HN | 174 | 331 | AML | | 1938 | 25.62 | | | 5 | 0.3 | | | | |
| MESJ | HZ | 216 | 348 | EP | | 1938 | 9.12 | 0.09 | | | | | | | 1.0 |

May 25 2013 Hour: 23:47 52.5 Lat: 36.49N Lon: 9.86W Depth: 31F 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 | 141 | 50 | EP | | 2348 | 12.77 | 0.05 | | | | | | | 1.0 |
| MORF | HE | 141 | 50 | ES | | 2348 | 27.37 | -0.14 | | | | | | | 1.0 |
| MORF | HN | 141 | 50 | AML | | 2348 | 29.90 | | | 26 | 0.3 | | | | |
| MESJ | HZ | 209 | 44 | EP | | 2348 | 21.16 | 0.01 | | | | | | | 1.0 |
| MESJ | HE | 209 | 44 | ES | | 2348 | 42.19 | 0.09 | | | | | | | 1.0 |
| MESJ | HE | 209 | 44 | AML | | 2348 | 44.34 | | | 7 | 0.2 | | | | |

May 26 2013 Hour: 2:38 52.4 Lat: 37.79N Lon: 7.86W Depth: 9F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.0 secs

NE CASTRO VERDE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 32 | 280 | EP | | 238 | 57.75 | -0.01 | | | | | | | 1.0 |
| MESJ | HE | 32 | 280 | ES | | 239 | 1.72 | 0.01 | | | | | | | 1.0 |
| MESJ | HN | 32 | 280 | AML | | 239 | 2.03 | | | 3 | 0.3 | | | | |

May 26 2013 Hour: 6: 8 16.3 Lat: 39.92N Lon: 67.39E Depth: 19F Agency: IGL Distant
Magnitudes: 5.6MS IGL Rms: 0.1 secs

EASTERN UZBEKISTAN Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 6358 | 294 | EP | | 618 | 2.10 | 0.02 | | | | | | | 1.0 |
| MESJ | BZ | 6358 | 294 | EPP | | 620 | 9.14 | 0.06 | | | | | | | 1.0 |
| MESJ | BN | 6358 | 294 | ES | | 625 | 57.50 | -0.01 | | | | | | | 1.0 |
| MESJ | BZ | 6358 | 294 | AMS | | 649 | 24.09 | | | 5338 | 17.4 | | | | |
| GGNV | BZ | 6385 | 295 | EP | | 618 | 3.86 | 0.10 | | | | | | | 1.0 |
| GGNV | BN | 6385 | 295 | ES | | 626 | 0.62 | -0.01 | | | | | | | 1.0 |
| GGNV | BE | 6385 | 295 | AMS | | 651 | 13.01 | | | 3502 | 20.1 | | | | |
| MORF | BZ | 6419 | 294 | EP | | 618 | 6.05 | 0.02 | | | | | | | 1.0 |
| MORF | BN | 6419 | 294 | ES | | 626 | 4.66 | -0.20 | | | | | | | 0.9 |
| MORF | BZ | 6419 | 294 | AMS | | 649 | 35.47 | | | 4764 | 22.4 | | | | |

May 26 2013 Hour: 7:52 21.4 Lat: 36.80N Lon: 3.00W Depth: 10F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 476 | 286 | EP | | 753 | 24.79 | -0.02 | | | | | | | 1.0 |

May 26 2013 Hour: 16:058.0 Lat: 36.78N Lon: 5.37E Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

NORTHERN ALGERIA Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 1209 | 280 | EP | | 16 | 3 | 29.49-0.06 | | | | | | | 1.0 |

May 26 2013 Hour: 17:35 40.6 Lat: 36.71N Lon: 7.92W Depth: 18F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MORF | HZ | 93 | 316 | EP | | 1735 | | 55.34-0.03 | | | | | | | 1.0 |
| MESJ | HZ | 128 | 348 | EP | | 1736 | | 0.11-0.09 | | | | | | | 1.0 |
| MESJ | HN | 128 | 348 | ES | | 1736 | | 14.64 0.12 | | | | | | | 1.0 |
| MESJ | HN | 128 | 348 | AML | | 1736 | | 15.68 | | 8 | 0.1 | | | | |

May 27 2013 Hour: 3:36 31.2 Lat: 14.59N Lon: 53.83E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6MS IGL Rms: 0.1 secs

OWEN FRACTURE ZONE REGION Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 6588 | 305 | EP | | 346 | | 32.45-0.02 | | | | | | | 1.0 |
| MESJ | BE | 6588 | 305 | ES | | 354 | | 41.09 0.00 | | | | | | | 1.0 |
| MESJ | BN | 6588 | 305 | AMS | | 4 | 9 | 56.15 | | 4215 | 24.9 | | | | |
| MORF | BZ | 6621 | 305 | EP | | 346 | | 34.67 0.11 | | | | | | | 1.0 |
| MORF | BN | 6621 | 305 | ES | | 354 | | 44.95-0.05 | | | | | | | 1.0 |
| MORF | BN | 6621 | 305 | AMS | | 4 | 9 | 53.56 | | 4303 | 20.9 | | | | |
| GGNV | BZ | 6678 | 306 | EP | | 346 | | 37.97-0.04 | | | | | | | 1.0 |
| GGNV | BN | 6678 | 306 | AMS | | 410 | | 18.02 | | 5656 | 23.1 | | | | |

May 27 2013 Hour: 9:41 13.9 Lat: 9.39N Lon: 82.65W Depth: 11F Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.0 secs

PANAMA-COSTA RICA BORDER REGION Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| GGNV | BZ | 7939 | 52 | EP | | 952 | | 33.89 0.10 | | | | | | | 1.0 |
| GGNV | BN | 7939 | 52 | ES | | 10 | 1 | 52.33-0.02 | | | | | | | 1.0 |
| GGNV | BZ | 7939 | 52 | AMS | | 1017 | | 53.10 | | 1320 | 22.7 | | | | |
| MORF | BZ | 7976 | 54 | EP | | 952 | | 35.83-0.05 | | | | | | | 1.0 |
| MORF | BN | 7976 | 54 | ES | | 10 | 1 | 56.31-0.02 | | | | | | | 1.0 |
| MORF | BZ | 7976 | 54 | AMS | | 1018 | | 9.19 | | 1425 | 17.8 | | | | |
| MESJ | BZ | 8016 | 53 | EP | | 952 | | 37.98-0.02 | | | | | | | 1.0 |
| MESJ | BE | 8016 | 53 | ES | | 10 | 2 | 0.40 0.00 | | | | | | | 1.0 |
| MESJ | BZ | 8016 | 53 | AMS | | 1018 | | 12.60 | | 1292 | 18.4 | | | | |

May 27 2013 Hour: 9:46 5.3 Lat: 35.40N Lon: 7.05W Depth: 31F 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 | 256 | 326 | EP | | 946 | | 39.74-0.12 | | | | | | | 1.0 |
| MORF | HN | 256 | 326 | ES | | 947 | | 5.13 0.05 | | | | | | | 1.0 |
| MORF | HN | 256 | 326 | AML | | 947 | | 7.24 | | 24 | 0.2 | | | | |
| MESJ | HZ | 290 | 339 | EP | | 946 | | 44.15 0.03 | | | | | | | 1.0 |
| MESJ | HN | 290 | 339 | ES | | 947 | | 12.49 0.05 | | | | | | | 1.0 |
| MESJ | HN | 290 | 339 | AML | | 947 | | 17.42 | | 18 | 0.2 | | | | |

May 27 2013 Hour: 11:40 38.4 Lat: 36.46N Lon: 8.10W Depth: 19F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MORF | HZ | 106 | 333 | EP | | 1140 | | 55.07-0.05 | | | | | | | 1.0 |
| MORF | HN | 106 | 333 | ES | | 1141 | | 7.30-0.05 | | | | | | | 1.0 |
| MORF | HN | 106 | 333 | AML | | 1141 | | 9.22 | | 8 | 0.1 | | | | |
| MESJ | HZ | 153 | 356 | EP | | 1141 | | 1.21 0.15 | | | | | | | 1.0 |
| MESJ | HN | 153 | 356 | ES | | 1141 | | 17.58-0.04 | | | | | | | 1.0 |
| MESJ | HN | 153 | 356 | AML | | 1141 | | 18.81 | | 7 | 0.1 | | | | |

May 27 2013 Hour: 20: 7 13.0 Lat: 32.52N Lon: 6.12W Depth: 1F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.2 secs
MOROCCO Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| MORF | HZ | 579 | 337 | EP | | 20 | 8 | 29.79 | -0.08 | | | | | | 1.0 |
| MESJ | HZ | 620 | 343 | EP | | 20 | 8 | 35.07 | 0.23 | | | | | | 1.0 |
| MESJ | HE | 620 | 343 | ES | | 20 | 9 | 34.45 | -0.14 | | | | | | 1.0 |
| MESJ | HN | 620 | 343 | AML | | 20 | 9 | 39.37 | | | 17 | 0.3 | | | |

May 28 2013 Hour: 2:25 3.9 Lat: 32.31N Lon: 5.28W Depth: 24F Agency: IGL Regional
Magnitudes: 3.0ML IGL Rms: 0.1 secs
MOROCCO Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| MORF | HZ | 634 | 332 | EP | | 226 | | 25.18 | -0.09 | | | | | | 1.0 |
| MORF | HN | 634 | 332 | ES | | 227 | | 24.82 | 0.18 | | | | | | 1.0 |
| MORF | HN | 634 | 332 | AML | | 227 | | 33.59 | | | 23 | | | | |
| MESJ | HZ | 669 | 337 | EP | | 226 | | 29.53 | 0.02 | | | | | | 1.0 |
| MESJ | HN | 669 | 337 | ES | | 227 | | 31.86 | -0.11 | | | | | | 1.0 |
| MESJ | HN | 669 | 337 | AML | | 227 | | 39.69 | | | 11 | 0.3 | | | |

May 28 2013 Hour: 4: 3 58.6 Lat: 43.69N Lon: 17.33W Depth: 10F Agency: IGL Regional
Magnitudes: 3.8ML IGL Rms: 0.1 secs
NORTH ATLANTIC OCEAN Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| MESJ | HZ | 1006 | 127 | EP | | 4 | 6 | 5.34 | 0.21 | | | | | | 1.0 |
| MESJ | HE | 1006 | 127 | ES | | 4 | 7 | 37.44 | -0.03 | | | | | | 1.0 |
| MESJ | HE | 1006 | 127 | AML | | 4 | 7 | 42.74 | | | 27 | 0.3 | | | |
| MORF | HZ | 1020 | 131 | EP | | 4 | 6 | 6.72 | -0.19 | | | | | | 1.0 |
| MORF | HN | 1020 | 131 | ES | | 4 | 7 | 40.54 | 0.00 | | | | | | 1.0 |
| MORF | HN | 1020 | 131 | AML | | 4 | 7 | 45.09 | | | 72 | 0.2 | | | |

May 28 2013 Hour: 22:44 21.1 Lat: 36.27N Lon: 8.64W Depth: 3F 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 | 115 | 360 | EP | | 2244 | | 39.75 | 0.08 | | | | | | 1.0 |
| MORF | HN | 115 | 360 | ES | | 2244 | | 53.13 | -0.08 | | | | | | 1.0 |
| MORF | HN | 115 | 360 | AML | | 2244 | | 55.24 | | | 14 | 0.4 | | | |

May 29 2013 Hour: 16:25 25.4 Lat: 36.61N Lon: 4.42W Depth: 75F Agency: IGL Regional
Magnitudes: 1.7ML 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 | 364 | 293 | EP | | 1626 | | 13.07 | 0.03 | | | | | | 1.0 |
| MESJ | HN | 364 | 293 | ES | | 1626 | | 47.76 | -0.03 | | | | | | 1.0 |
| MESJ | HN | 364 | 293 | AML | | 1626 | | 49.89 | | | 2 | 0.3 | | | |

May 30 2013 Hour: 3:30 51.9 Lat: 35.73N Lon: 4.55W Depth: 97F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| MESJ | HZ | 403 | 307 | EP | | 331 | | 43.92 | -0.06 | | | | | | 1.0 |
| MESJ | HN | 403 | 307 | ES | | 332 | | 22.07 | 0.06 | | | | | | 1.0 |
| MESJ | HN | 403 | 307 | AML | | 332 | | 25.43 | | | 2 | 0.1 | | | |

May 30 2013 Hour: 4:17 15.8 Lat: 38.52N Lon: 7.76W Depth: 3F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs
SE EVORA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| MESJ | HZ | 86 | 208 | EP | | 417 | | 29.67 | 0.06 | | | | | | 1.0 |
| MESJ | HN | 86 | 208 | ES | | 417 | | 39.64 | -0.06 | | | | | | 1.0 |
| MESJ | HE | 86 | 208 | AML | | 417 | | 45.81 | | | 3 | 0.3 | | | |

May 30 2013 Hour: 19:58 51.4 Lat: 37.28N Lon: 7.32W Depth: 19F Agency: IGL Regional
Magnitudes: 1.3ML 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 | 101 | 308 | EP | | 1959 | 7.53 | 0.12 | | | | | | | 1.0 |
| MESJ | HE | 101 | 308 | ES | | 1959 | 19.03 | -0.07 | | | | | | | 1.0 |
| MESJ | HN | 101 | 308 | AML | | 1959 | 21.68 | | | 4 | 0.2 | | | | |
| MORF | HE | 118 | 272 | ES | | 1959 | 23.05 | -0.04 | | | | | | | 1.0 |
| MORF | HN | 118 | 272 | AML | | 1959 | 26.39 | | | 10 | 0.3 | | | | |

May 30 2013 Hour: 22:27 37.6 Lat: 37.32N Lon: 8.58W Depth: 10F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs
NW MONCHIQUÉ, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 6 | 256 | EP | | 2227 | 39.39 | -0.23 | | | | | | | 1.0 |
| MORF | HN | 6 | 256 | ES | | 2227 | 41.25 | 0.17 | | | | | | | 1.0 |
| MORF | HE | 6 | 256 | AML | | 2227 | 41.93 | | | 67 | 0.1 | | | | |
| MESJ | HZ | 66 | 29 | EP | | 2227 | 48.42 | 0.05 | | | | | | | 1.0 |
| MESJ | HE | 66 | 29 | ES | | 2227 | 56.23 | 0.01 | | | | | | | 1.0 |
| MESJ | HN | 66 | 29 | AML | | 2227 | 57.04 | | | 3 | 0.2 | | | | |

May 31 2013 Hour: 8:46 27.6 Lat: 32.55N Lon: 5.32W Depth: 0 Agency: IGL Regional
Magnitudes: 3.7ML IGL Rms: 0.1 secs
MOROCCO Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 609 | 331 | EP | | 847 | 48.03 | -0.20 | | | | | | | 1.0 |
| MORF | HN | 609 | 331 | ES | | 848 | 47.26 | 0.18 | | | | | | | 1.0 |
| MORF | HN | 609 | 331 | AML | | 848 | 57.29 | | | 124 | 0.2 | | | | |
| MESJ | HZ | 644 | 337 | EP | | 847 | 52.33 | -0.04 | | | | | | | 1.0 |
| MESJ | HN | 644 | 337 | ES | | 848 | 54.29 | 0.05 | | | | | | | 1.0 |
| MESJ | HN | 644 | 337 | AML | | 849 | 2.70 | | | 75 | 0.2 | | | | |

May 31 2013 Hour: 14:46 4.8 Lat: 32.46N Lon: 5.24W Depth: 26F Agency: IGL Regional
Magnitudes: 2.9ML IGL Rms: 0.1 secs
MOROCCO Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 621 | 331 | EP | | 1447 | 24.32 | -0.08 | | | | | | | 1.0 |
| MESJ | HZ | 656 | 336 | EP | | 1447 | 28.52 | 0.00 | | | | | | | 1.0 |
| MESJ | HN | 656 | 336 | ES | | 1448 | 29.73 | 0.08 | | | | | | | 1.0 |
| MESJ | HN | 656 | 336 | AML | | 1448 | 37.68 | | | 14 | 0.5 | | | | |

May 31 2013 Hour: 20:49 6.6 Lat: 37.40N Lon: 9.11W Depth: 31F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs
NW ALJEZUR, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 42 | 104 | EP | | 2049 | 14.62 | 0.04 | | | | | | | 1.0 |
| MORF | HN | 42 | 104 | ES | | 2049 | 20.51 | 0.09 | | | | | | | 1.0 |
| MORF | HN | 42 | 104 | AML | | 2049 | 21.55 | | | 1303 | 0.1 | | | | |
| MESJ | HZ | 93 | 58 | EP | | 2049 | 20.67 | -0.14 | | | | | | | 1.0 |
| MESJ | HE | 93 | 58 | ES | | 2049 | 31.23 | 0.03 | | | | | | | 1.0 |
| MESJ | HN | 93 | 58 | AML | | 2049 | 32.21 | | | 83 | 0.2 | | | | |
| GGNV | HE | 146 | 359 | ES | | 2049 | 42.68 | -0.03 | | | | | | | 1.0 |
| GGNV | HE | 146 | 359 | AML | | 2049 | 43.55 | | | 174 | 0.2 | | | | |

June 1 2013 Hour: 1:34 15.3 Lat: 23.03S Lon: 177.29W Depth: 184F Agency: IGL Distant
Magnitudes: 2.8ML IGL Rms: 0.1 secs
SOUTH OF FIJI ISLANDS Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|--------|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ18081 | 30 | EPKpdf | | | 153 | 54.49 | 0.14 | | | | | | | 1.0 |
| MORF | BZ18106 | 32 | EPKpdf | | | 153 | 54.49 | -0.14 | | | | | | | 1.0 |

June 1 2013 Hour: 6:34 0.9 Lat: 36.69N Lon: 9.53W Depth: 21F 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 | 104 | 49 | EP | | 634 | 17.30 | 0.02 | | | | | | | 1.0 |
| MORF | HN | 104 | 49 | ES | | 634 | 29.22 | 0.00 | | | | | | | 1.0 |
| MORF | HN | 104 | 49 | AML | | 634 | 29.71 | | 28 | 0.2 | | | | | |
| MESJ | HZ | 173 | 42 | EP | | 634 | 25.78 | -0.04 | | | | | | | 1.0 |
| MESJ | HN | 173 | 42 | ES | | 634 | 44.00 | 0.02 | | | | | | | 1.0 |
| MESJ | HN | 173 | 42 | AML | | 634 | 46.06 | | 15 | 0.1 | | | | | |

June 1 2013 Hour: 11:45 9.1 Lat: 36.86N Lon: 8.74W Depth: 26F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 50 | 9 | EP | | 1145 | 17.81 | -0.01 | | | | | | | 1.0 |
| MORF | HN | 50 | 9 | ES | | 1145 | 24.22 | 0.01 | | | | | | | 1.0 |
| MORF | HN | 50 | 9 | AML | | 1145 | 25.68 | | 6 | 0.2 | | | | | |

June 1 2013 Hour: 14:10 8.1 Lat: 7.22N Lon: 124.84E Depth: 16F Agency: IGL Distant
Magnitudes: 5.5MS IGL Rms: 0.1 secs

MINDANAO, PHILIPPINES Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ13068 | 319 | EPP | | | 1430 | 4.09 | 0.02 | | | | | | | 1.0 |
| MESJ | BN13068 | 319 | AMS | | | 1517 | 7.19 | | 1226 | 20.8 | | | | | |
| MORF | BZ13133 | 319 | EPP | | | 1430 | 8.06 | -0.15 | | | | | | | 1.0 |
| MORF | BE13133 | 319 | ESS | | | 1446 | 23.36 | 0.13 | | | | | | | 1.0 |
| MORF | BE13133 | 319 | AMS | | | 1517 | 25.95 | | 1169 | 18.0 | | | | | |

June 1 2013 Hour: 15:3 53.3 Lat: 36.90N Lon: 8.55W Depth: 26F Agency: IGL Regional
Magnitudes: 1.6ML 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 | 46 | 349 | EP | | 15 4 | 1.38 | -0.11 | | | | | | | 1.0 |
| MORF | HN | 46 | 349 | ES | | 15 4 | 7.63 | 0.16 | | | | | | | 1.0 |
| MORF | HN | 46 | 349 | AML | | 15 4 | 9.44 | | 43 | 0.1 | | | | | |
| MESJ | HZ | 108 | 16 | EP | | 15 4 | 9.62 | -0.20 | | | | | | | 1.0 |
| MESJ | HE | 108 | 16 | ES | | 15 4 | 22.02 | 0.14 | | | | | | | 1.0 |
| MESJ | HN | 108 | 16 | AML | | 15 4 | 25.61 | | 10 | 0.1 | | | | | |

June 1 2013 Hour: 17:32 51.5 Lat: 7.03S Lon: 155.91E Depth: 70F Agency: IGL Distant
Magnitudes: 5.3MS IGL Rms: 0.1 secs

SOLOMON ISLANDS Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|--------|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ16217 | 339 | EPKpdf | | | 1752 | 21.04 | -0.16 | | | | | | | 1.0 |
| GGNV | BE16217 | 339 | AMS | | | 19 0 | 53.67 | | 1202 | 17.9 | | | | | |
| MESJ | BZ16265 | 337 | EPKpdf | | | 1752 | 22.09 | 0.14 | | | | | | | 1.0 |
| MESJ | BZ16265 | 337 | AMS | | | 1855 | 40.62 | | 287 | 23.2 | | | | | |
| MORF | BZ16335 | 337 | EPKpdf | | | 1752 | 23.07 | 0.01 | | | | | | | 1.0 |
| MORF | BZ16335 | 337 | EPKpdf | | | 1752 | 23.32 | | | | | | | | |
| MORF | BZ16335 | 337 | AMS | | | 1857 | 51.45 | | 428 | 25.7 | | | | | |

June 2 2013 Hour: 2:24 26.8 Lat: 36.90N Lon: 8.56W Depth: 26F Agency: IGL Regional
Magnitudes: 0.8ML 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 | 46 | 350 | EP | | 224 | 34.95 | 0.00 | | | | | | | 1.0 |
| MORF | HN | 46 | 350 | ES | | 224 | 40.93 | 0.01 | | | | | | | 1.0 |
| MORF | HN | 46 | 350 | AML | | 224 | 42.17 | | 4 | 0.1 | | | | | |
| MESJ | HZ | 109 | 16 | EP | | 224 | 43.21 | -0.12 | | | | | | | 1.0 |
| MESJ | HN | 109 | 16 | ES | | 224 | 55.54 | 0.12 | | | | | | | 1.0 |
| MESJ | HN | 109 | 16 | AML | | 224 | 58.55 | | 2 | 0.6 | | | | | |

June 2 2013 Hour: 5:43 4.6 Lat: 23.79N Lon: 121.08E Depth: 20F Agency: IGL Distant
Magnitudes: 6.6MS IGL Rms: 0.1 secs
TAIWAN Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|--------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| GGNV | BZ11381 | 322 | | EPdif | | 556 | 58.38 | 0.15 | | | | | | | 1.0 |
| GGNV | BZ11381 | 322 | | EPP | | 6 | 1 | 10.61 | 0.02 | | | | | | 1.0 |
| GGNV | BZ11381 | 322 | | AMS | | 650 | 23.23 | | 20041 | 18.0 | | | | | |
| MESJ | BZ11390 | 321 | | EPdif | | 556 | 58.67 | 0.05 | | | | | | | 1.0 |
| MESJ | BZ11390 | 321 | | EPP | | 6 | 1 | 11.18 | -0.04 | | | | | | 1.0 |
| MESJ | BN11390 | 321 | | ESKSac | | 6 | 7 | 37.01 | -0.04 | | | | | | 1.0 |
| MESJ | BN11390 | 321 | | AMS | | 641 | 24.42 | | 20161 | 24.4 | | | | | |
| MORF | BZ11459 | 321 | | EPdif | | 557 | 1.44 | 0.04 | | | | | | | 1.0 |
| MORF | BE11459 | 321 | | ESKSac | | 6 | 7 | 39.84 | -0.18 | | | | | | 1.0 |
| MORF | BN11459 | 321 | | AMS | | 641 | 51.26 | | 21521 | 20.3 | | | | | |

June 2 2013 Hour: 6:32 37.4 Lat: 36.68N Lon: 9.50W Depth: 31F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 103 | 47 | EP | | 632 | 52.86 | -0.07 | | | | | | | 1.0 |
| MORF | HN | 103 | 47 | ES | | 633 | 4.28 | 0.01 | | | | | | | 1.0 |
| MORF | HN | 103 | 47 | AML | | 633 | 5.05 | | 35 | 0.1 | | | | | |
| MESJ | HZ | 172 | 41 | EP | | 633 | 1.34 | -0.11 | | | | | | | 1.0 |
| MESJ | HN | 172 | 41 | ES | | 633 | 19.19 | 0.17 | | | | | | | 1.0 |
| MESJ | HN | 172 | 41 | AML | | 633 | 19.89 | | 6 | 0.3 | | | | | |

June 2 2013 Hour: 10:53 58.8 Lat: 37.33N Lon: 8.57W Depth: 13F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs
NW MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 8 | 250 | EP | | 1054 | 1.25 | -0.06 | | | | | | | 1.0 |
| MORF | HE | 8 | 250 | ES | | 1054 | 3.17 | 0.04 | | | | | | | 1.0 |
| MORF | HN | 8 | 250 | AML | | 1054 | 3.71 | | 37 | 0.2 | | | | | |
| MESJ | HZ | 64 | 29 | EP | | 1054 | 9.37 | 0.11 | | | | | | | 1.0 |
| MESJ | HE | 64 | 29 | ES | | 1054 | 16.79 | -0.09 | | | | | | | 1.0 |
| MESJ | HN | 64 | 29 | AML | | 1054 | 18.25 | | 2 | 0.3 | | | | | |

June 2 2013 Hour: 15:31 45.8 Lat: 36.89N Lon: 8.56W Depth: 25F Agency: IGL Regional
Magnitudes: 0.8ML 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 | 47 | 350 | EP | | 1531 | 54.20 | 0.09 | | | | | | | 1.0 |
| MORF | HN | 47 | 350 | ES | | 1532 | 0.02 | -0.13 | | | | | | | 1.0 |
| MORF | HN | 47 | 350 | AML | | 1532 | 1.51 | | 6 | 0.1 | | | | | |
| MESJ | HZ | 110 | 16 | EP | | 1532 | 2.52 | -0.07 | | | | | | | 1.0 |
| MESJ | HN | 110 | 16 | ES | | 1532 | 14.93 | 0.11 | | | | | | | 1.0 |
| MESJ | HN | 110 | 16 | AML | | 1532 | 18.34 | | 2 | 0.1 | | | | | |

June 2 2013 Hour: 15:47 57.7 Lat: 36.89N Lon: 8.54W Depth: 26F 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 | 47 | 348 | EP | | 1548 | 6.16 | 0.10 | | | | | | | 1.0 |
| MORF | HN | 47 | 348 | ES | | 1548 | 12.17 | 0.00 | | | | | | | 1.0 |
| MORF | HN | 47 | 348 | AML | | 1548 | 13.47 | | 69 | 0.1 | | | | | |
| MESJ | HZ | 109 | 15 | EP | | 1548 | 14.33 | 0.01 | | | | | | | 1.0 |
| MESJ | HN | 109 | 15 | ES | | 1548 | 26.35 | -0.12 | | | | | | | 1.0 |
| MESJ | HN | 109 | 15 | AML | | 1548 | 30.44 | | 15 | 0.3 | | | | | |

June 2 2013 Hour: 20:46 56.8 Lat: 36.66N Lon: 9.65W Depth: 20F 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 | 114 | 51 | EP | | 2047 | 14.46 | -0.07 | | | | | | | 1.0 |
| MORF | HN | 114 | 51 | ES | | 2047 | 27.45 | -0.05 | | | | | | | 1.0 |
| MORF | HN | 114 | 51 | AML | | 2047 | 28.78 | | | 7 | 0.1 | | | | |
| MESJ | HZ | 182 | 44 | EP | | 2047 | 22.88 | -0.07 | | | | | | | 1.0 |
| MESJ | HN | 182 | 44 | ES | | 2047 | 42.25 | 0.19 | | | | | | | 1.0 |
| MESJ | HN | 182 | 44 | AML | | 2047 | 44.30 | | | 2 | 0.4 | | | | |

June 3 2013 Hour: 3:15 53.2 Lat: 38.75N Lon: 9.59W Depth: 5F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.2 secs
NW CASCAIS, PORTUGAL

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | HE | 39 | 95 | ES | | 3 2 | 4.31 | 0.22 | | | | | | | 1.0 |
| GGNV | HN | 39 | 95 | AML | | 3 2 | 6.51 | | | 265 | 0.4 | | | | |
| MESJ | HZ | 157 | 130 | EP | | 3 2 | 17.43 | -0.24 | | | | | | | 0.9 |
| MESJ | HE | 157 | 130 | ES | | 3 2 | 35.74 | 0.24 | | | | | | | 0.9 |
| MESJ | HN | 157 | 130 | AML | | 3 2 | 38.98 | | | 9 | 0.3 | | | | |
| MORF | HZ | 180 | 152 | EP | | 3 2 | 20.43 | -0.19 | | | | | | | 0.9 |
| MORF | HN | 180 | 152 | ES | | 3 2 | 40.54 | -0.06 | | | | | | | 0.9 |
| MORF | HN | 180 | 152 | AML | | 3 2 | 42.91 | | | 14 | 0.2 | | | | |

June 3 2013 Hour: 21:11 9.4 Lat: 36.87N Lon: 8.53W Depth: 12F 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 | 50 | 348 | EP | | 2111 | 17.63 | -0.02 | | | | | | | 1.0 |
| MORF | HN | 50 | 348 | ES | | 2111 | 23.66 | 0.02 | | | | | | | 1.0 |
| MORF | HE | 50 | 348 | AML | | 2111 | 25.59 | | | 31 | 0.2 | | | | |

June 4 2013 Hour: 0:3 2.2 Lat: 36.75N Lon: 7.44W Depth: 28F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 139 | 330 | EP | | 0 3 | 22.48 | -0.01 | | | | | | | 1.0 |
| MESJ | HN | 139 | 330 | ES | | 0 3 | 37.28 | 0.01 | | | | | | | 1.0 |
| MESJ | HN | 139 | 330 | AML | | 0 3 | 40.05 | | | 2 | 0.4 | | | | |

June 4 2013 Hour: 1:32 10.7 Lat: 36.64N Lon: 7.46W Depth: 20F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 149 | 333 | EP | | 132 | 32.78 | -0.01 | | | | | | | 1.0 |
| MESJ | HN | 149 | 333 | ES | | 132 | 48.91 | 0.01 | | | | | | | 1.0 |
| MESJ | HN | 149 | 333 | AML | | 132 | 51.67 | | | 2 | 0.2 | | | | |

June 4 2013 Hour: 2:22 59.8 Lat: 45.28N Lon: 151.05E Depth: 44F Agency: IGL Distant
Magnitudes: 5.1MB 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 |
|------|---------|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ10577 | 344 | 344 | EP | | 236 | 18.05 | 0.09 | | | | | | | 1.0 |
| MESJ | BZ10577 | 344 | 344 | AMb | | 236 | 27.20 | | | 14 | 1.8 | | | | |
| MORF | BZ10644 | 344 | 344 | EP | | 236 | 20.65 | -0.09 | | | | | | | 1.0 |
| MORF | BZ10644 | 344 | 344 | AMb | | 236 | 28.52 | | | 27 | 2.6 | | | | |

June 4 2013 Hour: 11:0 8.5 Lat: 45.35N Lon: 150.93E Depth: 21F Agency: IGL Distant
Magnitudes: 5.7MB 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 |
|------|---------|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ10567 | 344 | | EP | | 1113 | 29.39 | -0.07 | | | | | | | 1.0 |
| MESJ | BZ10567 | 344 | | AMb | | 1113 | 30.35 | | | 31 | 1.2 | | | | |
| MORF | BZ10633 | 344 | | EP | | 1113 | 32.31 | 0.07 | | | | | | | 1.0 |
| MORF | BZ10633 | 344 | | AMb | | 1113 | 34.85 | | | 34 | 1.2 | | | | |

June 4 2013 Hour: 13:19 56.6 Lat: 37.62N Lon: 16.00W Depth: 0 Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.3 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 | 651 | 91 | EP | | 1321 | 21.86 | -0.42 | | | | | | | 1.0 |
| MORF | HN | 651 | 91 | ES | | 1322 | 25.06 | 0.26 | | | | | | | 1.0 |
| MORF | HN | 651 | 91 | AML | | 1322 | 29.45 | | | 4 | 0.2 | | | | |
| MESJ | HE | 686 | 86 | ES | | 1322 | 32.28 | 0.16 | | | | | | | 1.0 |
| MESJ | HN | 686 | 86 | AML | | 1322 | 35.36 | | | 3 | 0.4 | | | | |

June 4 2013 Hour: 22:52 41.7 Lat: 37.33N Lon: 13.25W Depth: 0 Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 408 | 89 | EP | | 2253 | 37.73 | -0.10 | | | | | | | 1.0 |
| MORF | HN | 408 | 89 | ES | | 2254 | 18.83 | 0.00 | | | | | | | 1.0 |
| MORF | HN | 408 | 89 | AML | | 2254 | 21.36 | | | 7 | 0.3 | | | | |
| MESJ | HZ | 448 | 81 | EP | | 2253 | 42.62 | -0.12 | | | | | | | 1.0 |
| MESJ | HE | 448 | 81 | ES | | 2254 | 27.56 | 0.23 | | | | | | | 1.0 |
| MESJ | HN | 448 | 81 | AML | | 2254 | 32.75 | | | 4 | 0.4 | | | | |

June 5 2013 Hour: 0:43 40.0 Lat: 37.51N Lon: 95.79E Depth: 33F Agency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.1 secs
NORTHERN QINGHAI, CHINA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 8607 | 308 | EP | | 055 | 32.00 | 0.07 | | | | | | | 1.0 |
| MESJ | BZ | 8607 | 308 | AMb | | 055 | 38.73 | | | 45 | 1.8 | | | | |
| MORF | BZ | 8673 | 308 | EP | | 055 | 35.25 | -0.07 | | | | | | | 1.0 |
| MORF | BZ | 8673 | 308 | AMb | | 055 | 46.83 | | | 50 | 2.0 | | | | |

June 5 2013 Hour: 0:51 49.8 Lat: 37.48N Lon: 9.13W Depth: 10F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs
NW ALJEZUR, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 47 | 114 | EP | | 051 | 57.62 | 0.06 | | | | | | | 1.0 |
| MORF | HE | 47 | 114 | ES | | 052 | 3.17 | -0.01 | | | | | | | 1.0 |
| MORF | HN | 47 | 114 | AML | | 052 | 5.08 | | | 34 | 0.2 | | | | |
| MESJ | HZ | 90 | 63 | EP | | 052 | 4.26 | 0.04 | | | | | | | 1.0 |
| MESJ | HN | 90 | 63 | ES | | 052 | 14.62 | -0.09 | | | | | | | 1.0 |
| MESJ | HN | 90 | 63 | AML | | 052 | 16.78 | | | 9 | 0.1 | | | | |

June 5 2013 Hour: 3:23 19.7 Lat: 38.13N Lon: 8.89W Depth: 1 Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.2 secs
W MELIDES, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 67 | 119 | EP | | 323 | 30.35 | -0.19 | | | | | | | 1.0 |
| MORF | HE | 94 | 167 | ES | | 323 | 46.09 | 0.19 | | | | | | | 1.0 |
| MORF | HE | 94 | 167 | AML | | 323 | 49.53 | | | 8 | 0.1 | | | | |

June 5 2013 Hour: 4:47 29.5 Lat: 11.41S Lon: 166.26E Depth: 65F Agency: IGL Distant
Magnitudes: 5.8MS IGL Rms: 0.0 secs
SANTA CRUZ ISLANDS Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ16974 | 352 | EP | KPdf | | 5 7 | 10.74 | 0.08 | | | | | | | 1.0 |
| GGNV | BZ16974 | 352 | EPP | | | 511 | 1.50 | -0.03 | | | | | | | 1.0 |
| GGNV | BE16974 | 352 | AMS | | | 616 | 13.28 | | 2089 | 28.5 | | | | | |
| MESJ | BZ17054 | 350 | EP | KPdf | | 5 7 | 11.72 | -0.02 | | | | | | | 1.0 |
| MESJ | BZ17054 | 350 | AMS | | | 617 | 12.53 | | 2442 | 21.3 | | | | | |
| MORF | BZ17120 | 351 | EP | KPdf | | 5 7 | 12.59 | -0.05 | | | | | | | 1.0 |
| MORF | BZ17120 | 351 | EPP | | | 511 | 9.06 | 0.03 | | | | | | | 1.0 |
| MORF | BZ17120 | 351 | AMS | | | 617 | 18.70 | | 1407 | 22.1 | | | | | |

June 5 2013 Hour: 9:4 13.5 Lat: 37.00N Lon: 9.26W Depth: 26F 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 | 64 | 58 | EP | | 9 4 | 24.31 | 0.18 | | | | | | | 1.0 |
| MORF | HE | 64 | 58 | ES | | 9 4 | 31.86 | -0.04 | | | | | | | 1.0 |
| MORF | HN | 64 | 58 | AML | | 9 4 | 32.75 | | 19 | 0.1 | | | | | |
| MESJ | HZ | 131 | 44 | EP | | 9 4 | 32.80 | -0.03 | | | | | | | 1.0 |
| MESJ | HN | 131 | 44 | ES | | 9 4 | 46.84 | -0.12 | | | | | | | 1.0 |
| MESJ | HN | 131 | 44 | AML | | 9 4 | 49.12 | | 3 | 0.0 | | | | | |

June 5 2013 Hour: 9:14 54.9 Lat: 8.13S Lon: 74.31W Depth: 155F Agency: IGL Distant
Magnitudes: 5.1MB IGL Rms: 0.0 secs
CENTRAL PERU Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|-----|
| MORF | BZ | 8468 | 48 | EP | | 926 | 25.60 | 0.00 | | | | | | | 1.0 |
| MORF | BZ | 8468 | 48 | AMb | | 926 | 29.92 | | 125 | 1.1 | | | | | |
| MESJ | BZ | 8525 | 48 | EP | | 926 | 28.44 | 0.00 | | | | | | | 1.0 |
| MESJ | BZ | 8525 | 48 | AMb | | 926 | 35.90 | | 40 | 1.6 | | | | | |

June 6 2013 Hour: 6:41 18.6 Lat: 36.61N Lon: 7.82W Depth: 13F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 141 | 346 | EP | | 641 | 40.16 | -0.05 | | | | | | | 1.0 |
| MESJ | HE | 141 | 346 | ES | | 641 | 56.07 | 0.05 | | | | | | | 1.0 |
| MESJ | HN | 141 | 346 | AML | | 642 | 1.78 | | 3 | 0.1 | | | | | |

June 6 2013 Hour: 11:53 45.9 Lat: 36.71N Lon: 21.75E Depth: 40F Agency: IGL Distant
Magnitudes: 4.8MB IGL Rms: 0.0 secs
SOUTHERN GREECE Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 2650 | 282 | EP | | 1158 | 55.26 | -0.01 | | | | | | | 1.0 |
| MESJ | BZ | 2650 | 282 | AMb | | 1158 | 58.38 | | 51 | 1.2 | | | | | |
| MESJ | BE | 2650 | 282 | ES | | 12 3 | 9.34 | 0.05 | | | | | | | 1.0 |
| MORF | BE | 2695 | 281 | ES | | 12 3 | 15.91 | -0.04 | | | | | | | 1.0 |

June 6 2013 Hour: 20:17 30.4 Lat: 36.65N Lon: 7.71W Depth: 23F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 111 | 311 | EP | | 2017 | 47.52 | 0.05 | | | | | | | 1.0 |
| MORF | HE | 111 | 311 | ES | | 2017 | 59.96 | 0.01 | | | | | | | 1.0 |
| MORF | HN | 111 | 311 | AML | | 2018 | 1.22 | | 11 | 0.2 | | | | | |
| MESJ | HE | 140 | 341 | ES | | 2018 | 5.90 | -0.13 | | | | | | | 1.0 |
| MESJ | HN | 140 | 341 | AML | | 2018 | 7.81 | | 4 | 0.1 | | | | | |
| MESJ | HZ | 140 | 341 | EP | | 2017 | 51.05 | 0.07 | | | | | | | 1.0 |

June 7 2013 Hour: 1:43 52.1 Lat: 36.80N Lon: 7.39W Depth: 25F 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 | 125 | 297 | EP | | 144 | 10.93 | 0.03 | | | | | | | 1.0 |
| MORF | HN | 125 | 297 | ES | | 144 | 24.66 | 0.07 | | | | | | | 1.0 |
| MORF | HN | 125 | 297 | AML | | 144 | 25.95 | | | 5 | 0.1 | | | | |
| MESJ | HZ | 137 | 328 | EP | | 144 | 12.30 | 0.02 | | | | | | | 1.0 |
| MESJ | HN | 137 | 328 | ES | | 144 | 26.86 | -0.12 | | | | | | | 1.0 |
| MESJ | HE | 137 | 328 | AML | | 144 | 28.97 | | | 4 | 0.1 | | | | |

June 7 2013 Hour: 8:1 4.3 Lat: 36.56N Lon: 7.47W Depth: 14F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 157 | 335 | EP | | 8 1 | 27.84 | -0.05 | | | | | | | 1.0 |
| MESJ | HN | 157 | 335 | ES | | 8 1 | 45.12 | 0.05 | | | | | | | 1.0 |
| MESJ | HN | 157 | 335 | AML | | 8 1 | 46.35 | | | 2 | 0.1 | | | | |

June 7 2013 Hour: 10:7 20.4 Lat: 43.13N Lon: 0.66W Depth: 6F Agency: IGL Regional
Rms: 0.0 secs

PYRENEES Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 868 | 230 | EP | | 10 9 | 11.15 | 0.00 | | | | | | | 1.0 |
| MORF | HZ | 937 | 229 | EP | | 10 9 | 19.28 | 0.00 | | | | | | | 1.0 |

June 7 2013 Hour: 11:8 31.6 Lat: 37.34N Lon: 8.55W Depth: 12F Agency: IGL Regional
Magnitudes: 1.2ML 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 | 10 | 247 | EP | | 11 8 | 33.89 | -0.25 | | | | | | | 1.0 |
| MORF | HN | 10 | 247 | ES | | 11 8 | 36.07 | 0.06 | | | | | | | 1.0 |
| MORF | HN | 10 | 247 | AML | | 11 8 | 36.95 | | | 128 | 0.1 | | | | |
| MESJ | HZ | 63 | 28 | EP | | 11 8 | 41.90 | 0.15 | | | | | | | 1.0 |
| MESJ | HN | 63 | 28 | ES | | 11 8 | 49.21 | 0.04 | | | | | | | 1.0 |
| MESJ | HN | 63 | 28 | AML | | 11 8 | 52.64 | | | 7 | 0.1 | | | | |

June 7 2013 Hour: 12:54 11.0 Lat: 23.84S Lon: 179.08E Depth: 567F Agency: IGL Distant
Rms: 0.1 secs

SOUTH OF FIJI ISLANDS Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|--------|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ18326 | 22 | EPKpdf | | | 1313 | 9.72 | 0.07 | | | | | | | 1.0 |
| MORF | BZ18361 | 25 | EPKpdf | | | 1313 | 9.90 | -0.07 | | | | | | | 1.0 |

June 7 2013 Hour: 16:40 41.2 Lat: 36.81N Lon: 8.73W Depth: 26F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 56 | 7 | EP | | 1640 | 50.84 | 0.11 | | | | | | | 1.0 |
| MORF | HN | 56 | 7 | ES | | 1640 | 57.66 | 0.00 | | | | | | | 1.0 |
| MORF | HN | 56 | 7 | AML | | 1640 | 59.25 | | | 26 | 0.2 | | | | |
| MESJ | HZ | 123 | 21 | EP | | 1640 | 59.57 | -0.01 | | | | | | | 1.0 |
| MESJ | HN | 123 | 21 | ES | | 1641 | 12.87 | -0.10 | | | | | | | 1.0 |
| MESJ | HN | 123 | 21 | AML | | 1641 | 14.23 | | | 8 | 0.2 | | | | |

June 7 2013 Hour: 20:13 13.7 Lat: 43.74S Lon: 16.16W Depth: 4F Agency: IGL Distant
Magnitudes: 5.8MB IGL Rms: 0.1 secs

SOUTHERN MID-ATLANTIC RIDGE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 8997 | 6 | EP | | 2025 | 28.79 | 0.03 | | | | | | | 1.0 |
| MORF | BZ | 8997 | 6 | AMb | | 2025 | 33.22 | | | 80 | 1.7 | | | | |
| MORF | BE | 8997 | 6 | ES | | 2035 | 38.46 | 0.00 | | | | | | | 1.0 |
| MESJ | BZ | 9060 | 6 | EP | | 2025 | 31.49 | -0.20 | | | | | | | 1.0 |

| | | | | | | | | | | | | | | | | | |
|--------------|---|-----|------|-------|------|--|--|--|-----|-----|--|--|--|--|--|--|-----|
| MESJ BZ 9060 | 6 | AMb | 2025 | 39.23 | | | | | 95 | 0.8 | | | | | | | |
| MESJ BN 9060 | 6 | ES | 2035 | 44.29 | 0.11 | | | | | | | | | | | | 1.0 |
| GGNV BZ 9149 | 6 | EP | 2025 | 35.90 | 0.05 | | | | | | | | | | | | 1.0 |
| GGNV BZ 9149 | 6 | AMb | 2025 | 43.39 | | | | | 239 | 2.0 | | | | | | | |

June 8 2013 Hour: 3:39 25.5 Lat: 36.32N Lon: 8.96W Depth: 17F 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 | 113 | 14 | EP | | 339 | 43.14 | -0.13 | | | | | | | 1.0 |
| MORF | HN | 113 | 14 | ES | | 339 | 56.33 | 0.05 | | | | | | | 1.0 |
| MORF | HN | 113 | 14 | AML | | 339 | 58.17 | | | 8 | 0.2 | | | | |
| MESJ | HZ | 181 | 21 | EP | | 339 | 51.83 | 0.09 | | | | | | | 1.0 |
| MESJ | HN | 181 | 21 | ES | | 340 | 10.92 | 0.00 | | | | | | | 1.0 |
| MESJ | HN | 181 | 21 | AML | | 340 | 17.67 | | | 3 | 0.3 | | | | |

June 8 2013 Hour: 11:38 21.1 Lat: 36.56N Lon: 9.69W Depth: 31F 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 | 124 | 48 | EP | | 1138 | 39.35 | 0.02 | | | | | | | 1.0 |
| MORF | HE | 124 | 48 | ES | | 1138 | 52.57 | -0.06 | | | | | | | 1.0 |
| MORF | HE | 124 | 48 | AML | | 1138 | 54.47 | | | 6 | 0.1 | | | | |
| MESJ | HZ | 193 | 42 | EP | | 1138 | 47.77 | -0.06 | | | | | | | 1.0 |
| MESJ | HN | 193 | 42 | ES | | 1139 | 7.42 | 0.10 | | | | | | | 1.0 |
| MESJ | HN | 193 | 42 | AML | | 1139 | 9.72 | | | 3 | 0.3 | | | | |

June 8 2013 Hour: 12:25 5.1 Lat: 22.63S Lon: 66.61W Depth: 189F Agency: IGL Distant
Magnitudes: 5.3MB IGL Rms: 0.0 secs

JUJUY, ARGENTINA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 8989 | 43 | EP | | 1236 | 57.77 | 0.03 | | | | | | | 1.0 |
| MORF | BZ | 8989 | 43 | AMb | | 1237 | 1.71 | | | 111 | 1.3 | | | | |
| MORF | BN | 8989 | 43 | ES | | 1246 | 50.35 | -0.02 | | | | | | | 1.0 |
| GGNV | BN | 9051 | 42 | ES | | 1246 | 55.84 | -0.01 | | | | | | | 1.0 |
| MESJ | BZ | 9056 | 43 | EP | | 1237 | 0.86 | 0.05 | | | | | | | 1.0 |
| MESJ | BZ | 9056 | 43 | AMb | | 1237 | 4.19 | | | 115 | 1.2 | | | | |
| MESJ | BE | 9056 | 43 | ES | | 1246 | 56.33 | -0.05 | | | | | | | 1.0 |

June 9 2013 Hour: 9:39 29.1 Lat: 37.33N Lon: 8.59W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NW MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 6 | 244 | EP | | 939 | 31.25 | -0.14 | | | | | | | 1.0 |
| MORF | HN | 6 | 244 | ES | | 939 | 33.10 | 0.07 | | | | | | | 1.0 |
| MORF | HN | 6 | 244 | AML | | 939 | 33.54 | | | 130 | 0.4 | | | | |
| MESJ | HZ | 65 | 30 | EP | | 939 | 39.77 | 0.05 | | | | | | | 1.0 |
| MESJ | HN | 65 | 30 | ES | | 939 | 47.46 | 0.02 | | | | | | | 1.0 |
| MESJ | HN | 65 | 30 | AML | | 939 | 48.59 | | | 2 | 0.1 | | | | |

June 9 2013 Hour: 9:45 34.0 Lat: 36.71N Lon: 9.48W Depth: 25F 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 | 99 | 48 | EP | | 945 | 49.45 | -0.02 | | | | | | | 1.0 |
| MORF | HN | 99 | 48 | ES | | 946 | 0.74 | -0.03 | | | | | | | 1.0 |
| MORF | HE | 99 | 48 | AML | | 946 | 2.66 | | | 19 | 0.2 | | | | |
| MESJ | HZ | 168 | 41 | EP | | 945 | 57.95 | -0.03 | | | | | | | 1.0 |
| MESJ | HE | 168 | 41 | ES | | 946 | 15.59 | 0.08 | | | | | | | 1.0 |
| MESJ | HE | 168 | 41 | AML | | 946 | 18.02 | | | 5 | 0.2 | | | | |

June 9 2013 Hour: 12:22 13.3 Lat: 36.53N Lon: 9.82W Depth: 6F 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 | 135 | 50 | EP | | 1222 | 34.75 | -0.06 | | | | | | | 1.0 |
| MORF | HN | 135 | 50 | ES | | 1222 | 50.65 | 0.13 | | | | | | | 1.0 |
| MORF | HN | 135 | 50 | AML | | 1222 | 52.50 | | | 20 | 0.1 | | | | |
| MESJ | HZ | 203 | 44 | EP | | 1222 | 43.29 | -0.11 | | | | | | | 1.0 |
| MESJ | HN | 203 | 44 | ES | | 1223 | 5.40 | 0.03 | | | | | | | 1.0 |
| MESJ | HN | 203 | 44 | AML | | 1223 | 7.03 | | | 6 | 0.3 | | | | |

June 9 2013 Hour: 14:22 12.8 Lat: 25.97S Lon: 131.98E Depth: 0 Agency: IGL Distant
Magnitudes: 5.2MS IGL Rms: 0.1 secs

NORTHERN TERRITORY, AUSTRALIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|--------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ16069 | 299 | | EPKPdf | | 1441 | 50.42 | -0.02 | | | | | | | 1.0 |
| MESJ | BZ16069 | 299 | | AMS | | 16 | 0 | 23.16 | | 318 | 23.2 | | | | |
| MORF | BZ16115 | 299 | | EPKPdf | | 1441 | 51.11 | -0.09 | | | | | | | 1.0 |
| MORF | BN16115 | 299 | | AMS | | 1553 | 57.45 | | | 409 | 19.3 | | | | |
| GGNV | BZ16135 | 301 | | EPKPdf | | 1441 | 51.53 | 0.11 | | | | | | | 1.0 |
| GGNV | BN16135 | 301 | | AMS | | 1553 | 25.96 | | | 734 | 21.1 | | | | |

June 9 2013 Hour: 18:14 10.8 Lat: 36.56N Lon: 9.78W Depth: 14F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 130 | 50 | EP | | 1814 | 31.20 | 0.11 | | | | | | | 1.0 |
| MORF | HN | 130 | 50 | ES | | 1814 | 45.79 | -0.11 | | | | | | | 1.0 |
| MORF | HN | 130 | 50 | AML | | 1814 | 47.52 | | | 5 | 0.3 | | | | |

June 9 2013 Hour: 20:58 38.2 Lat: 36.33N Lon: 7.80W Depth: 30F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 172 | 348 | EP | | 2059 | 2.32 | -0.01 | | | | | | | 1.0 |
| MESJ | HN | 172 | 348 | ES | | 2059 | 19.96 | 0.01 | | | | | | | 1.0 |
| MESJ | HN | 172 | 348 | AML | | 2059 | 21.23 | | | 1 | 0.3 | | | | |

June 10 2013 Hour: 4:57 12.5 Lat: 38.73N Lon: 7.85W Depth: 9F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

E ARRAIOLOS, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 104 | 198 | EP | | 457 | 29.21 | 0.10 | | | | | | | 1.0 |
| MESJ | HN | 104 | 198 | ES | | 457 | 41.13 | -0.10 | | | | | | | 1.0 |
| MESJ | HN | 104 | 198 | AML | | 457 | 42.83 | | | 2 | 0.1 | | | | |

June 10 2013 Hour: 5:10 28.0 Lat: 38.12N Lon: 8.20W Depth: 3F Agency: IGL Regional
Rms: 0.0 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 31 | 183 | EP | | 510 | 33.06 | 0.00 | | | | | | | 1.0 |
| MESJ | HN | 31 | 183 | ES | | 510 | 36.76 | 0.00 | | | | | | | 1.0 |

June 10 2013 Hour: 19:21 51.2 Lat: 35.54N Lon: 4.71W Depth: 20F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 404 | 310 | EP | | 1922 | 44.81 | -0.14 | | | | | | | 1.0 |
| MESJ | HN | 404 | 310 | ES | | 1923 | 24.34 | 0.14 | | | | | | | 1.0 |
| MESJ | HN | 404 | 310 | AML | | 1923 | 25.82 | | | 2 | 0.1 | | | | |

June 10 2013 Hour: 21:55 44.9 Lat: 36.53N Lon: 11.58W 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 | 275 | 71 | EP | | 2156 | 21.76 | -0.02 | | | | | | | 1.0 |
| MORF | HN | 275 | 71 | ES | | 2156 | 48.72 | -0.02 | | | | | | | 1.0 |
| MORF | HN | 275 | 71 | AML | | 2156 | 52.87 | | | 20 | 0.4 | | | | |
| MESJ | HZ | 332 | 63 | EP | | 2156 | 28.94 | 0.11 | | | | | | | 1.0 |
| MESJ | HN | 332 | 63 | ES | | 2157 | 0.86 | -0.07 | | | | | | | 1.0 |
| MESJ | HN | 332 | 63 | AML | | 2157 | 4.66 | | | 6 | 0.3 | | | | |

June 10 2013 Hour: 23:44 6.9 Lat: 37.18N Lon: 8.56W Depth: 13F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs

NW PORTIMAO, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 16 | 330 | EP | | 2344 | 10.24 | -0.01 | | | | | | | 1.0 |
| MORF | HN | 16 | 330 | ES | | 2344 | 12.75 | 0.02 | | | | | | | 1.0 |
| MORF | HN | 16 | 330 | AML | | 2344 | 13.09 | | | 6 | 0.2 | | | | |
| MESJ | HZ | 79 | 22 | EP | | 2344 | 19.53 | 0.00 | | | | | | | 1.0 |
| MESJ | HE | 79 | 22 | ES | | 2344 | 28.77 | -0.01 | | | | | | | 1.0 |
| MESJ | HN | 79 | 22 | AML | | 2344 | 30.21 | | | 1 | 0.3 | | | | |

June 11 2013 Hour: 1:36 57.1 Lat: 28.53N Lon: 13.20W Depth: 10F Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs

CANARY ISLANDS, SPAIN REGION Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 1062 | 22 | EP | | 139 | 10.23 | -0.09 | | | | | | | 1.0 |
| MORF | HE | 1062 | 22 | ES | | 140 | 47.49 | -0.05 | | | | | | | 1.0 |
| MORF | HN | 1062 | 22 | AML | | 140 | 51.66 | | | 13 | 0.1 | | | | |
| MESJ | HZ | 1132 | 23 | EP | | 139 | 18.46 | -0.03 | | | | | | | 0.9 |
| MESJ | HE | 1132 | 23 | ES | | 141 | 1.86 | 0.18 | | | | | | | 0.9 |
| MESJ | HE | 1132 | 23 | AML | | 141 | 5.36 | | | 9 | 0.6 | | | | |

June 11 2013 Hour: 9: 4 34.2 Lat: 37.32N Lon: 9.13W Depth: 30F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.0 secs

W ALJEZUR, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 43 | 92 | EP | | 9 4 | 42.28 | 0.05 | | | | | | | 1.0 |
| MORF | HN | 43 | 92 | ES | | 9 4 | 48.06 | 0.00 | | | | | | | 1.0 |
| MORF | HN | 43 | 92 | AML | | 9 4 | 49.11 | | | 27 | 0.2 | | | | |
| MESJ | HZ | 99 | 54 | EP | | 9 4 | 49.28 | -0.05 | | | | | | | 1.0 |

June 11 2013 Hour: 9:37 5.2 Lat: 21.81S Lon: 68.24W Depth:104F Agency: IGL Distant
Magnitudes: 4.6MB IGL Rms: 0.1 secs

ANTOFAGASTA, CHILE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|--------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 9040 | 44 | EP | | 949 | 9.83 | -0.05 | | | | | | | 1.0 |
| MORF | BZ | 9040 | 44 | AMb | | 949 | 15.79 | | | 17 | 1.1 | | | | |
| MORF | BE | 9040 | 44 | ESKSac | | 959 | 18.13 | -0.10 | | | | | | | 1.0 |
| MESJ | BZ | 9106 | 44 | EP | | 949 | 12.93 | 0.01 | | | | | | | 1.0 |
| MESJ | BZ | 9106 | 44 | AMb | | 949 | 17.12 | | | 16 | 1.5 | | | | |
| MESJ | BN | 9106 | 44 | ES | | 959 | 18.36 | 0.14 | | | | | | | 1.0 |

June 11 2013 Hour: 13: 2 24.9 Lat: 21.01S Lon: 178.84W 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 | BZ17956 | 24 | EPKpdf | | | 1321 | 21.02 | -0.10 | | | | | | | 1.0 |
| MORF | BZ17989 | 26 | EPKpdf | | | 1321 | 21.59 | 0.10 | | | | | | | 1.0 |

June 11 2013 Hour: 21:127.7 Lat: 37.26N Lon: 8.58W Depth: 10F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs
SW MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| MORF | HZ | 8 | 309 | EP | | 21 | 1 | 29.75 | -0.06 | | | | | | 1.0 |
| MORF | HN | 8 | 309 | ES | | 21 | 1 | 31.35 | -0.03 | | | | | | 1.0 |
| MORF | HN | 8 | 309 | AML | | 21 | 1 | 31.79 | | 131 | 0.2 | | | | |
| MESJ | HZ | 72 | 26 | EP | | 21 | 1 | 39.41 | 0.09 | | | | | | 1.0 |
| MESJ | HE | 72 | 26 | ES | | 21 | 1 | 47.83 | 0.00 | | | | | | 1.0 |
| MESJ | HN | 72 | 26 | AML | | 21 | 1 | 51.14 | | 3 | 0.2 | | | | |

June 11 2013 Hour: 21:53 0.5 Lat: 36.49N Lon: 6.33W Depth: 1 Agency: IGL Regional
Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 225 | 312 | EP | | 2153 | 33.81 | 0.05 | | | | | | | 1.0 |

June 12 2013 Hour: 12:28 27.8 Lat: 36.56N Lon: 6.24W Depth: 6F Agency: IGL Regional
Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 226 | 310 | EP | | 1229 | 0.63 | -0.04 | | | | | | | 1.0 |

June 12 2013 Hour: 19:58 14.1 Lat: 1.34S Lon: 78.82W Depth:122FAgency: IGL Distant
Magnitudes: 5.0MB IGL Rms: 0.0 secs
ECUADOR Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| MORF | BZ | 8365 | 51 | EP | | 20 | 9 | 43.21 | -0.01 | | | | | | 1.0 |
| MORF | BZ | 8365 | 51 | AMB | | 20 | 9 | 53.29 | | 37 | 0.9 | | | | |

June 13 2013 Hour: 7:58 48.6 Lat: 41.76N Lon: 8.51W Depth: 19F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.0 secs
E PONTE DE LIMA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 436 | 177 | EP | | 759 | 46.25 | -0.03 | | | | | | | 1.0 |
| MESJ | HN | 436 | 177 | ES | | 8 | 0 | 28.42 | 0.03 | | | | | | 1.0 |
| MESJ | HN | 436 | 177 | AML | | 8 | 0 | 42.79 | | 5 | 0.6 | | | | |

June 13 2013 Hour: 9:15 13.6 Lat: 37.17N Lon: 12.87W Depth: 4F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.2 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 | 375 | 86 | EP | | 916 | 5.06 | -0.15 | | | | | | | 1.0 |
| MORF | HN | 375 | 86 | ES | | 916 | 42.94 | 0.02 | | | | | | | 1.0 |
| MORF | HN | 375 | 86 | AML | | 916 | 47.33 | | | 31 | 0.4 | | | | |
| MESJ | HZ | 418 | 78 | EP | | 916 | 10.77 | 0.24 | | | | | | | 1.0 |
| MESJ | HE | 418 | 78 | ES | | 916 | 52.01 | -0.11 | | | | | | | 1.0 |
| MESJ | HE | 418 | 78 | AML | | 916 | 55.38 | | | 19 | 0.1 | | | | |

June 13 2013 Hour: 13:8 24.6 Lat: 37.32N Lon: 8.55W Depth: 12F 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 | 9 | 260 | EP | | 13 | 8 | 27.01 | -0.09 | | | | | | 1.0 |
| MORF | HE | 9 | 260 | ES | | 13 | 8 | 29.01 | 0.09 | | | | | | 1.0 |
| MORF | HN | 9 | 260 | AML | | 13 | 8 | 29.55 | | 63 | 0.2 | | | | |

June 13 2013 Hour: 13:24 24.7 Lat: 38.09N Lon: 0.70W Depth: 6F Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 661 | 270 | EP | | 1325 | 51.00 | -0.03 | | | | | | | 1.0 |
| MORF | HZ | 707 | 265 | EP | | 1325 | 56.54 | 0.03 | | | | | | | 1.0 |

June 13 2013 Hour: 16:47 23.5 Lat: 9.99S Lon: 107.23E Depth: 10F Agency: IGL Distant
Magnitudes: 5.9MS IGL Rms: 0.2 secs

SOUTH OF JAVA, INDONESIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|--------|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ12926 | 307 | EPdif | | | 17 2 | 19.95 | -0.25 | | | | | | | 1.0 |
| MESJ | BZ12926 | 307 | EPKpdf | | | 17 6 | 6.85 | 0.12 | | | | | | | 1.0 |
| MESJ | BN12926 | 307 | ESS | | | 1723 | 16.32 | 0.28 | | | | | | | 1.0 |
| MESJ | BZ12926 | 307 | AMS | | | 18 9 | 16.70 | | | 3301 | 24.5 | | | | |
| MORF | BZ12972 | 307 | EPdif | | | 17 2 | 21.94 | -0.14 | | | | | | | 1.0 |
| MORF | BZ12972 | 307 | AMS | | | 18 2 | 15.61 | | | 3622 | 22.7 | | | | |

June 14 2013 Hour: 3:18 55.7 Lat: 37.69N Lon: 8.98W Depth: 8F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.0 secs

SW SINES, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 69 | 76 | EP | | 319 | 6.93 | 0.01 | | | | | | | 1.0 |
| MESJ | HN | 69 | 76 | ES | | 319 | 15.09 | -0.01 | | | | | | | 1.0 |
| MESJ | HE | 69 | 76 | AML | | 319 | 17.32 | | | 2 | 0.2 | | | | |

June 14 2013 Hour: 5:27 24.0 Lat: 34.98N Lon: 3.02W Depth: 8F Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 564 | 306 | EP | | 528 | 38.23 | -0.02 | | | | | | | 1.0 |

June 14 2013 Hour: 8:45 27.3 Lat: 36.97N Lon: 7.12W Depth: 4F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 137 | 315 | EP | | 845 | 49.07 | -0.14 | | | | | | | 1.0 |
| MESJ | HE | 137 | 315 | ES | | 846 | 5.34 | 0.14 | | | | | | | 1.0 |
| MESJ | HN | 137 | 315 | AML | | 846 | 9.15 | | | 15 | 0.4 | | | | |

June 14 2013 Hour: 17:56 46.9 Lat: 5.29N Lon: 82.64W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.1 secs

SOUTH OF PANAMA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 8246 | 53 | EP | | 18 8 | 23.61 | 0.14 | | | | | | | 1.0 |
| MORF | BZ | 8246 | 53 | AMb | | 18 8 | 24.97 | | | 43 | 0.8 | | | | |
| MESJ | BZ | 8290 | 52 | EP | | 18 8 | 25.57 | -0.14 | | | | | | | 1.0 |
| MESJ | BZ | 8290 | 52 | AMb | | 18 8 | 27.29 | | | 23 | 0.7 | | | | |

June 15 2013 Hour: 5:48 15.4 Lat: 36.67N Lon: 9.73W Depth: 20F 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 187 | 45 | EP | | 548 | 42.20 | 0.05 | | | | | | | 1.0 |
| MESJ | HN | 187 | 45 | ES | | 549 | 1.59 | -0.05 | | | | | | | 1.0 |
| MESJ | HN | 187 | 45 | AML | | 549 | 4.07 | | | 3 | 0.2 | | | | |

June 15 2013 Hour: 11:24 1.6 Lat: 36.50N Lon: 8.05W Depth: 31F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 149 | 354 | EP | | 1124 | 23.06 | 0.12 | | | | | | | 1.0 |
| MESJ | HN | 149 | 354 | ES | | 1124 | 38.38 | -0.12 | | | | | | | 1.0 |
| MESJ | HN | 149 | 354 | AML | | 1124 | 39.75 | | | 5 | 0.1 | | | | |

June 15 2013 Hour: 11:20 34.5 Lat: 33.90S Lon: 179.46E Depth:172F Agency: IGL Distant
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 |
|------|---------|------|-----|--------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ19077 | | 53 | EPKpdf | | 1140 | 21.89 | 0.08 | | | | | | | 1.0 |
| MORF | BZ19191 | | 60 | EPKpdf | | 1140 | 22.39 | 0.02 | | | | | | | 1.0 |
| MESJ | BZ19197 | | 56 | EPKpdf | | 1140 | 22.24 | -0.10 | | | | | | | 1.0 |

June 15 2013 Hour: 16:10 58.8 Lat: 34.23N Lon: 25.00E Depth: 10F Agency: IGL Distant
Magnitudes: 6.0MB IGL Rms: 0.2 secs

CRETE, GREECE Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3005 | 287 | EP | | 1616 | 41.40 | 0.28 | | | | | | | 1.0 |
| MESJ | BZ | 3005 | 287 | AMb | | 1616 | 59.77 | | | 404 | 0.8 | | | | |
| MESJ | BN | 3005 | 287 | ES | | 1621 | 19.60 | -0.22 | | | | | | | 1.0 |
| MORF | BZ | 3046 | 286 | EP | | 1616 | 44.71 | 0.20 | | | | | | | 1.0 |
| MORF | BZ | 3046 | 286 | AMb | | 1617 | 3.47 | | | 147 | 1.7 | | | | |
| MORF | BN | 3046 | 286 | ES | | 1621 | 25.42 | -0.34 | | | | | | | 1.0 |
| GGNV | BZ | 3083 | 289 | EP | | 1616 | 47.30 | -0.08 | | | | | | | 1.0 |
| GGNV | BZ | 3083 | 289 | AMb | | 1616 | 58.25 | | | 396 | 1.5 | | | | |
| GGNV | BN | 3083 | 289 | ES | | 1621 | 30.95 | 0.14 | | | | | | | 1.0 |

June 15 2013 Hour: 16:28 56.9 Lat: 34.22N Lon: 24.99E Depth: 30F Agency: IGL Distant
Magnitudes: 4.9MB IGL Rms: 0.1 secs

CRETE, GREECE Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3005 | 287 | EP | | 1634 | 36.22 | -0.06 | | | | | | | 1.0 |
| MESJ | BZ | 3005 | 287 | AMb | | 1634 | 57.36 | | | 33 | 1.3 | | | | |

June 15 2013 Hour: 17:34 28.8 Lat: 11.73N Lon: 86.97W Depth: 36F Agency: IGL Distant
Magnitudes: 6.6MS IGL Rms: 0.1 secs

NEAR COAST OF NICARAGUA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|-------|------|-----|------|------|-----|
| GGNV | BZ | 8159 | 53 | EP | | 1745 | 56.85 | 0.11 | | | | | | | 1.0 |
| GGNV | BZ | 8159 | 53 | EPP | | 1748 | 39.92 | 0.09 | | | | | | | 1.0 |
| GGNV | BN | 8159 | 53 | ES | | 1755 | 23.58 | 0.12 | | | | | | | 1.0 |
| GGNV | BZ | 8159 | 53 | AMS | | 1813 | 44.61 | | | 31671 | 20.2 | | | | |
| MORF | BZ | 8208 | 54 | EP | | 1745 | 59.41 | -0.04 | | | | | | | 1.0 |
| MORF | BE | 8208 | 54 | ES | | 1755 | 28.58 | -0.06 | | | | | | | 1.0 |
| MORF | BZ | 8208 | 54 | AMS | | 1812 | 46.08 | | | 32923 | 24.2 | | | | |
| MESJ | BZ | 8244 | 54 | EP | | 1746 | 1.30 | 0.04 | | | | | | | 1.0 |
| MESJ | BN | 8244 | 54 | ES | | 1755 | 31.88 | -0.26 | | | | | | | 1.0 |
| MESJ | BZ | 8244 | 54 | AMS | | 1812 | 42.60 | | | 27737 | 19.4 | | | | |

June 16 2013 Hour: 3: 8 44.6 Lat: 38.74N Lon: 8.29W Depth: 0 Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

NW MONTEMOR-O-NOVO, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| MESJ | HZ | 100 | 176 | EP | | 3 | 9 | 0.81 | 0.08 | | | | | | 1.0 |
| MESJ | HN | 100 | 176 | ES | | 3 | 9 | 12.45 | -0.08 | | | | | | 1.0 |
| MESJ | HN | 100 | 176 | AML | | 3 | 9 | 15.09 | | | 6 | 0.2 | | | |

June 16 2013 Hour: 5:19 2.0 Lat: 18.33N Lon: 99.05W Depth: 54F Agency: IGL Distant
Magnitudes: 5.6MB 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ | 8758 | 53 | EP | | 530 | 58.71 | 0.03 | | | | | | | 1.0 |
| GGNV | BZ | 8758 | 53 | AMb | | 531 | 3.37 | | | 280 | 2.2 | | | | |
| MORF | BZ | 8840 | 54 | EP | | 531 | 2.77 | -0.04 | | | | | | | 1.0 |
| MORF | BZ | 8840 | 54 | AMb | | 531 | 8.81 | | | 170 | 2.0 | | | | |
| MORF | BN | 8840 | 54 | ES | | 541 | 0.46 | 0.03 | | | | | | | 1.0 |
| MESJ | BZ | 8862 | 54 | EP | | 531 | 3.85 | 0.05 | | | | | | | 1.0 |
| MESJ | BZ | 8862 | 54 | AMb | | 531 | 6.36 | | | 145 | 1.7 | | | | |
| MESJ | BN | 8862 | 54 | ES | | 541 | 2.29 | -0.08 | | | | | | | 1.0 |

June 16 2013 Hour: 15: 5 3.8 Lat: 37.10N Lon: 8.08W Depth: 14F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.2 secs
SW LOULE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 56 | 294 | EP | | 15 5 | 12.98 | 0.09 | | | | | | | 1.0 |
| MORF | HE | 56 | 294 | ES | | 15 5 | 19.45 | -0.11 | | | | | | | 1.0 |
| MORF | HN | 56 | 294 | AML | | 15 5 | 21.52 | | | 28 | 0.2 | | | | |
| MESJ | HZ | 83 | 351 | EP | | 15 5 | 17.27 | 0.25 | | | | | | | 1.0 |
| MESJ | HN | 83 | 351 | ES | | 15 5 | 26.48 | -0.22 | | | | | | | 1.0 |
| MESJ | HN | 83 | 351 | AML | | 15 5 | 27.08 | | | 14 | 0.1 | | | | |

June 16 2013 Hour: 19:35 11.5 Lat: 36.94N Lon: 10.96W Depth: 21F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.0 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 209 | 78 | EP | | 1935 | 40.95 | -0.02 | | | | | | | 1.0 |
| MORF | HE | 209 | 78 | ES | | 1936 | 2.49 | 0.00 | | | | | | | 1.0 |
| MORF | HN | 209 | 78 | AML | | 1936 | 5.56 | | | 68 | 0.3 | | | | |
| MESJ | HN | 262 | 67 | ES | | 1936 | 13.88 | 0.02 | | | | | | | 1.0 |
| MESJ | HN | 262 | 67 | AML | | 1936 | 15.04 | | | 10 | 0.2 | | | | |

June 16 2013 Hour: 21:39 8.9 Lat: 34.49N Lon: 25.09E Depth: 38F Agency: IGL Distant
Magnitudes: 5.5MB IGL Rms: 0.2 secs
CRETE, GREECE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3004 | 287 | EP | | 2144 | 46.99 | -0.38 | | | | | | | 1.0 |
| MESJ | BZ | 3004 | 287 | AMb | | 2144 | 57.71 | | | 240 | 1.7 | | | | |
| MESJ | BE | 3004 | 287 | ES | | 2149 | 23.21 | -0.06 | | | | | | | 1.0 |
| MORF | BZ | 3046 | 286 | EP | | 2144 | 50.94 | 0.14 | | | | | | | 1.0 |
| MORF | BZ | 3046 | 286 | AMb | | 2144 | 55.57 | | | 67 | 1.4 | | | | |
| MORF | BN | 3046 | 286 | ES | | 2149 | 29.24 | -0.05 | | | | | | | 1.0 |
| GGNV | BZ | 3081 | 289 | EP | | 2144 | 53.73 | 0.19 | | | | | | | 1.0 |
| GGNV | BZ | 3081 | 289 | AMb | | 2144 | 56.77 | | | 411 | 1.8 | | | | |
| GGNV | BE | 3081 | 289 | ES | | 2149 | 34.26 | 0.15 | | | | | | | 1.0 |

June 16 2013 Hour: 21:49 10.5 Lat: 36.80N Lon: 7.45W Depth: 1 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 134 | 330 | EP | | 2149 | 32.13 | 0.07 | | | | | | | 1.0 |
| MESJ | HE | 134 | 330 | ES | | 2149 | 47.76 | -0.07 | | | | | | | 1.0 |
| MESJ | HN | 134 | 330 | AML | | 2149 | 50.46 | | | 11 | 0.2 | | | | |

June 17 2013 Hour: 12:23 28.2 Lat: 36.52N Lon: 7.58W Depth: 23F 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 | 129 | 313 | EP | | 1223 | 47.43 | -0.12 | | | | | | | 1.0 |
| MORF | HN | 129 | 313 | ES | | 1224 | 1.83 | 0.12 | | | | | | | 1.0 |
| MORF | HN | 129 | 313 | AML | | 1224 | 3.47 | | | 54 | 0.1 | | | | |

June 17 2013 Hour: 21:20 13.1 Lat: 38.80N Lon: 7.98W Depth: 2F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs
NE ARRAIOLOS, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ HZ 109 191 EP 2120 30.65-0.01 1.0
 MESJ HN 109 191 ES 2120 43.53 0.07 1.0
 MESJ HN 109 191 AML 2120 48.43 26 0.6
 MORF HZ 176 200 EP 2120 40.22-0.06 1.0

June 17 2013 Hour: 22: 5 58.1 Lat: 37.28N Lon: 8.56W Depth: 12F Agency: IGL Regional
Magnitudes: 0.6ML 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 9 290 EP 22 6 0.47-0.08 1.0
 MORF HN 9 290 ES 22 6 2.43 0.08 1.0
 MORF HN 9 290 AML 22 6 2.98 27 0.2

June 18 2013 Hour: 10:50 59.8 Lat: 36.59N Lon: 7.63W Depth: 30F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 121 311 EP 1051 17.65 0.01 1.0
 MESJ HZ 148 339 EP 1051 21.07 0.06 1.0
 MESJ HN 148 339 ES 1051 36.44-0.07 1.0
 MESJ HN 148 339 AML 1051 39.26 6 0.2

June 18 2013 Hour: 23: 2 10.3 Lat: 54.24N Lon: 86.15E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.0 secs
SOUTHWESTERN SIBERIA, RUSSIA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ 6961 297 EP 2312 34.93-0.02 1.0
 MESJ BZ 6961 297 AMb 2312 38.51 79 1.5

June 18 2013 Hour: 23: 4 22.0 Lat: 36.55N Lon: 7.21W Depth: 19F 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 169 328 EP 23 4 46.68 0.03 1.0
 MESJ HE 169 328 ES 23 5 4.57-0.03 1.0
 MESJ HN 169 328 AML 23 5 7.70 3 0.2

June 19 2013 Hour: 0:55 9.9 Lat: 33.65N Lon: 4.82W Depth: 22F Agency: IGL Regional
Magnitudes: 1.9ML 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 557 327 EP 056 22.00-0.02 1.0

June 19 2013 Hour: 16:32 14.8 Lat: 37.05N Lon: 4.00W Depth: 0 Agency: IGL Regional
Magnitudes: 1.9ML 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 383 284 EP 1633 7.79-0.05 1.0
 MESJ HN 383 284 ES 1633 46.65 0.05 1.0
 MESJ HN 383 284 AML 1633 50.23 4 0.4

June 19 2013 Hour: 17: 3 15.2 Lat: 37.86N Lon: 9.11W Depth: 9F Agency: IGL Regional
Magnitudes: 1.5ML IGL Rms: 0.1 secs
SW SINES, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 74 146 EP 17 3 27.32 0.11 1.0
 MORF HE 74 146 ES 17 3 35.89-0.06 1.0
 MORF HN 74 146 AML 17 3 37.13 21 0.2
 MESJ HZ 78 91 EP 17 3 27.93-0.02 1.0

MESJ HN 78 91 ES 17 3 37.20-0.03 1.0
 MESJ HN 78 91 AML 17 3 37.81 16 0.2

**June 21 2013 Hour: 2:10 48.9 Lat: 38.85N Lon: 8.90W Depth: 9F Agency: IGL Regional
 Magnitudes: 2.3ML IGL Rms: 0.1 secs**

NE ALCOCHETE, PORTUGAL Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | HZ | 26 | 236 | EP | | 210 | 53.23 | -0.10 | | | | | | | 1.0 |
| GGNV | HN | 26 | 236 | ES | | 210 | 56.66 | 0.06 | | | | | | | 1.0 |
| GGNV | HN | 26 | 236 | AML | | 210 | 57.41 | | | 573 | 0.4 | | | | |
| MESJ | HZ | 127 | 152 | EP | | 211 | 9.03 | 0.10 | | | | | | | 1.0 |
| MESJ | HN | 127 | 152 | ES | | 211 | 23.54 | -0.05 | | | | | | | 1.0 |
| MESJ | HN | 127 | 152 | AML | | 211 | 25.89 | | | 50 | 0.2 | | | | |

**June 21 2013 Hour: 17: 0 30.7 Lat: 37.02N Lon: 8.49W Depth: 18F Agency: IGL Regional
 Magnitudes: 1.8ML IGL Rms: 0.1 secs**

SW LAGOA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 35 | 336 | EP | | 17 0 | 36.90 | -0.03 | | | | | | | 1.0 |
| MORF | HN | 35 | 336 | ES | | 17 0 | 41.67 | 0.19 | | | | | | | 1.0 |
| MORF | HN | 35 | 336 | AML | | 17 0 | 42.51 | | | 95 | 0.2 | | | | |
| MESJ | HZ | 94 | 15 | EP | | 17 0 | 45.62 | -0.04 | | | | | | | 1.0 |
| MESJ | HN | 94 | 15 | ES | | 17 0 | 56.46 | -0.13 | | | | | | | 1.0 |
| MESJ | HN | 94 | 15 | AML | | 17 0 | 58.72 | | | 28 | 0.2 | | | | |

**June 21 2013 Hour: 18:31 7.9 Lat: 37.03N Lon: 8.49W Depth: 16F Agency: IGL Regional
 Magnitudes: 1.2ML IGL Rms: 0.1 secs**

SW LAGOA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 34 | 335 | EP | | 1831 | 13.83 | 0.00 | | | | | | | 1.0 |
| MORF | HN | 34 | 335 | ES | | 1831 | 18.33 | 0.14 | | | | | | | 1.0 |
| MORF | HN | 34 | 335 | AML | | 1831 | 19.96 | | | 20 | 0.2 | | | | |
| MESJ | HZ | 93 | 15 | EP | | 1831 | 22.62 | -0.02 | | | | | | | 1.0 |
| MESJ | HE | 93 | 15 | ES | | 1831 | 33.31 | -0.12 | | | | | | | 1.0 |
| MESJ | HN | 93 | 15 | AML | | 1831 | 35.69 | | | 6 | 0.1 | | | | |

**June 21 2013 Hour: 18:40 12.1 Lat: 36.34N Lon: 8.11W Depth: 16F Agency: IGL Regional
 Magnitudes: 4.1ML 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 | 118 | 336 | EP | | 1840 | 30.60 | -0.01 | | | | | | | 1.0 |
| MORF | HN | 118 | 336 | ES | | 1840 | 44.08 | -0.05 | | | | | | | 1.0 |
| MORF | HN | 118 | 336 | AML | | 1840 | 47.59 | | | 3102 | 0.3 | | | | |
| MESJ | HZ | 167 | 357 | EP | | 1840 | 36.73 | 0.06 | | | | | | | 1.0 |

**June 21 2013 Hour: 23:25 4.0 Lat: 35.10N Lon: 5.54W Depth: 40F Agency: IGL Regional
 Rms: 0.0 secs**

MOROCCO Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 387 | 322 | EP | | 2325 | 54.60 | -0.01 | | | | | | | 1.0 |

**June 22 2013 Hour: 2: 5 29.2 Lat: 36.40N Lon: 8.04W Depth: 0 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 | 114 | 332 | EP | | 2 5 | 47.75 | 0.10 | | | | | | | 1.0 |
| MORF | HN | 114 | 332 | ES | | 2 6 | 0.89 | -0.23 | | | | | | | 1.0 |
| MORF | HE | 114 | 332 | AML | | 2 6 | 2.31 | | | 33 | 0.2 | | | | |
| MESJ | HN | 161 | 354 | ES | | 2 6 | 13.27 | 0.13 | | | | | | | 1.0 |

June 22 2013 Hour: 4:46 42.7 Lat: 38.79N Lon: 7.95W Depth: 10F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NE ARRAIOLOS, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 108 | 193 | EP | | 446 | 59.95 | 0.09 | | | | | | | 1.0 |
| MESJ | HN | 108 | 193 | ES | | 447 | 12.31 | -0.09 | | | | | | | 1.0 |
| MESJ | HN | 108 | 193 | AML | | 447 | 12.89 | | | 4 | 0.1 | | | | |

June 22 2013 Hour: 16:37 40.3 Lat: 35.63N Lon: 8.87W Depth: 31F 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 | 187 | 6 | EP | | 1638 | 6.19 | -0.09 | | | | | | | 1.0 |
| MORF | HE | 187 | 6 | ES | | 1638 | 25.18 | -0.09 | | | | | | | 1.0 |
| MORF | HN | 187 | 6 | AML | | 1638 | 27.01 | | | 127 | 0.1 | | | | |
| MESJ | HZ | 252 | 13 | EP | | 1638 | 14.40 | 0.09 | | | | | | | 1.0 |
| MESJ | HE | 252 | 13 | ES | | 1638 | 39.28 | 0.11 | | | | | | | 1.0 |
| MESJ | HN | 252 | 13 | AML | | 1638 | 42.12 | | | 25 | 0.3 | | | | |

June 23 2013 Hour: 2: 4 38.8 Lat: 36.43N Lon: 3.18W Depth: 1 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 475 | 291 | EP | | 2 5 | 42.96 | 0.08 | | | | | | | 1.0 |
| MESJ | HE | 475 | 291 | ES | | 2 6 | 29.60 | -0.08 | | | | | | | 1.0 |
| MESJ | HN | 475 | 291 | AML | | 2 6 | 34.81 | | | 8 | 0.2 | | | | |

June 23 2013 Hour: 2:33 9.2 Lat: 36.26N Lon: 6.50W Depth: 5F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 224 | 302 | EP | | 233 | 42.03 | 0.02 | | | | | | | 1.0 |
| MESJ | HZ | 233 | 319 | EP | | 233 | 43.03 | 0.02 | | | | | | | 1.0 |
| MESJ | HE | 233 | 319 | ES | | 234 | 7.67 | -0.05 | | | | | | | 1.0 |
| MESJ | HN | 233 | 319 | AML | | 234 | 14.24 | | | 43 | 0.4 | | | | |

June 23 2013 Hour: 6:48 21.4 Lat: 36.41N Lon: 11.15W Depth: 31F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 244 | 65 | EP | | 648 | 54.68 | 0.14 | | | | | | | 1.0 |
| MORF | HN | 244 | 65 | ES | | 649 | 18.44 | -0.25 | | | | | | | 1.0 |
| MORF | HN | 244 | 65 | AML | | 649 | 20.57 | | | 55 | 0.3 | | | | |
| MESJ | HZ | 305 | 58 | EP | | 649 | 2.09 | 0.03 | | | | | | | 1.0 |
| MESJ | HN | 305 | 58 | ES | | 649 | 31.80 | 0.09 | | | | | | | 1.0 |
| MESJ | HN | 305 | 58 | AML | | 649 | 34.57 | | | 12 | 0.2 | | | | |

June 23 2013 Hour: 11:15 13.5 Lat: 35.60N Lon: 1.40W Depth: 0 Agency: IGL Regional
Rms: 0.2 secs

NORTHERN ALGERIA Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 658 | 294 | EP | | 1116 | 39.84 | -0.18 | | | | | | | 1.0 |
| MORF | HZ | 677 | 288 | EP | | 1116 | 42.54 | 0.18 | | | | | | | 1.0 |

June 23 2013 Hour: 13:40 28.0 Lat: 36.71N Lon: 11.42W Depth: 31F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 255 | 74 | EP | | 1341 | 2.73 | 0.24 | | | | | | | 1.0 |
| MORF | HN | 255 | 74 | ES | | 1341 | 27.39 | -0.27 | | | | | | | 1.0 |
| MORF | HN | 255 | 74 | AML | | 1341 | 29.52 | | | 24 | 0.2 | | | | |
| MESJ | HZ | 310 | 65 | EP | | 1341 | 9.41 | 0.12 | | | | | | | 1.0 |
| MESJ | HN | 310 | 65 | ES | | 1341 | 39.34 | -0.09 | | | | | | | 1.0 |

MESJ HE 310 65 AML 1341 43.63 6 0.2

June 23 2013 Hour: 22: 5 51.1 Lat: 38.32N Lon: 9.16W Depth: 17F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-----------|------|------|------|------|-----|------|------|-----|
| GGNV | HN | 44 | 1 | ES | | 22 6 | 4.08 | 0.05 | | | | | | | 1.0 |
| GGNV | HE | 44 | 1 | AML | | 22 6 | 5.80 | | | 83 | 0.2 | | | | |
| MESJ | HZ | 98 | 123 | EP | | 22 6 | 6.63-0.08 | | | | | | | | 1.0 |
| MESJ | HN | 98 | 123 | ES | | 22 6 | 18.12 | 0.03 | | | | | | | 1.0 |
| MESJ | HN | 98 | 123 | AML | | 22 6 | 20.52 | | | 6 | 0.2 | | | | |

June 23 2013 Hour: 22:43 16.7 Lat: 31.66N Lon: 40.85W Depth: 14F Agency: IGL Distant
Magnitudes: 5.4MB IGL Rms: 0.2 secs

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|------------|------|------|------|------|-----|------|------|-----|
| GGNV | BZ | 2976 | 66 | EP | | 2248 | 55.99 | 0.01 | | | | | | | 1.0 |
| GGNV | BZ | 2976 | 66 | AMb | | 2249 | 7.87 | | | 175 | 1.8 | | | | |
| MORF | BZ | 3009 | 69 | EP | | 2248 | 58.83 | 0.09 | | | | | | | 1.0 |
| MORF | BZ | 3009 | 69 | AMb | | 2249 | 6.28 | | | 96 | 1.7 | | | | |
| MORF | BN | 3009 | 69 | ES | | 2253 | 36.86-0.38 | | | | | | | | 1.0 |
| MESJ | BZ | 3050 | 68 | EP | | 2249 | 1.99 | 0.00 | | | | | | | 1.0 |
| MESJ | BZ | 3050 | 68 | AMb | | 2249 | 4.50 | | | 60 | 1.3 | | | | |
| MESJ | BN | 3050 | 68 | ES | | 2253 | 43.22 | 0.27 | | | | | | | 1.0 |

June 24 2013 Hour: 12:55 49.3 Lat: 36.73N Lon: 8.81W Depth: 8F Agency: IGL Regional
Magnitudes: 2.9ML 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 | 66 | 12 | EP | | 1255 | 59.95-0.01 | | | | | | | | 1.0 |
| MORF | HE | 66 | 12 | ES | | 1256 | 7.75 | 0.01 | | | | | | | 1.0 |
| MORF | HN | 66 | 12 | AML | | 1256 | 13.03 | | | 589 | 0.2 | | | | |
| MESJ | HZ | 134 | 23 | EP | | 1256 | 10.46-0.01 | | | | | | | | 1.0 |
| MESJ | HE | 134 | 23 | ES | | 1256 | 25.93 | 0.00 | | | | | | | 1.0 |
| MESJ | HN | 134 | 23 | AML | | 1256 | 28.99 | | | 133 | 0.2 | | | | |

June 24 2013 Hour: 21:29 25.2 Lat: 36.65N Lon: 9.83W Depth: 13F 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 | 128 | 55 | EP | | 2129 | 45.23-0.05 | | | | | | | | 1.0 |
| MORF | HN | 128 | 55 | ES | | 2129 | 59.83-0.09 | | | | | | | | 1.0 |
| MORF | HN | 128 | 55 | AML | | 2130 | 2.39 | | | 8 | 0.4 | | | | |
| MESJ | HZ | 195 | 47 | EP | | 2129 | 53.65 | 0.11 | | | | | | | 1.0 |
| MESJ | HN | 195 | 47 | ES | | 2130 | 14.25 | 0.05 | | | | | | | 1.0 |
| MESJ | HN | 195 | 47 | AML | | 2130 | 15.35 | | | 3 | 0.3 | | | | |

June 24 2013 Hour: 22: 4 13.1 Lat: 10.73N Lon: 42.62W Depth: 10F Agency: IGL Distant
Magnitudes: 6.1MS 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 | 4497 | 43 | EP | | 2211 | 51.45-0.01 | | | | | | | | 1.0 |
| MORF | BE | 4497 | 43 | ES | | 2218 | 0.70-0.06 | | | | | | | | 1.0 |
| MORF | BZ | 4497 | 43 | AMS | | 2224 | 33.60 | | | 38613 | 23.5 | | | | |
| GGNV | BZ | 4546 | 41 | EP | | 2211 | 55.08 | 0.08 | | | | | | | 1.0 |
| GGNV | BN | 4546 | 41 | ES | | 2218 | 7.14-0.01 | | | | | | | | 1.0 |
| GGNV | BZ | 4546 | 41 | AMS | | 2224 | 33.83 | | | 27247 | 22.3 | | | | |
| MESJ | BZ | 4561 | 43 | EP | | 2211 | 56.12-0.02 | | | | | | | | 1.0 |
| MESJ | BE | 4561 | 43 | ES | | 2218 | 9.24 | 0.03 | | | | | | | 1.0 |
| MESJ | BZ | 4561 | 43 | AMS | | 2224 | 38.51 | | | 30525 | 22.6 | | | | |

June 24 2013 Hour: 23:33 34.9 Lat: 37.00N Lon: 8.76W Depth: 19F 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 | 35 | 16 | EP | | 2333 | 41.10 | -0.13 | | | | | | | 1.0 |
| MORF | HE | 35 | 16 | ES | | 2333 | 45.95 | 0.07 | | | | | | | 1.0 |
| MORF | HE | 35 | 16 | AML | | 2333 | 46.36 | | | 50 | 0.2 | | | | |
| MESJ | HZ | 105 | 27 | EP | | 2333 | 51.48 | 0.06 | | | | | | | 1.0 |
| MESJ | HN | 105 | 27 | ES | | 2334 | 3.50 | 0.00 | | | | | | | 1.0 |
| MESJ | HN | 105 | 27 | AML | | 2334 | 5.30 | | | 27 | 0.3 | | | | |

June 25 2013 Hour: 13: 9 57.2 Lat: 32.56N Lon: 5.44W Depth: 1 Agency: IGL Regional
Rms: 0.0 secs

MOROCCO Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 638 | 337 | EP | | 1311 | 21.21 | 0.01 | | | | | | | 1.0 |

June 25 2013 Hour: 18:13 58.5 Lat: 32.29N Lon: 5.86W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 612 | 336 | EP | | 1815 | 19.38 | -0.08 | | | | | | | 1.0 |
| MESJ | HZ | 652 | 341 | EP | | 1815 | 24.35 | 0.08 | | | | | | | 1.0 |

June 26 2013 Hour: 5:48 47.6 Lat: 9.37N Lon: 91.31E Depth: 32F Agency: IGL Distant
Magnitudes: 5.2MB IGL Rms: 0.1 secs

NICOBAR ISLANDS, INDIA REGION Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ10213 | 309 | | EP | | 6 1 | 52.28 | -0.06 | | | | | | | 1.0 |
| MESJ | BZ10213 | 309 | | AMB | | 6 2 | 1.73 | | | 36 | 1.9 | | | | |

June 26 2013 Hour: 6: 7 34.2 Lat: 38.95N Lon: 8.77W Depth: 10F Agency: IGL Regional
Magnitudes: 1.0ML 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| ALMR | HZ | 28 | 36 | EP | | 6 7 | 38.88 | -0.14 | | | | | | | 1.0 |
| ALMR | HE | 28 | 36 | ES | | 6 7 | 42.60 | 0.04 | | | | | | | 1.0 |
| ALMR | HN | 28 | 36 | AML | | 6 7 | 43.62 | | | 23 | 0.5 | | | | |
| MESJ | HN | 132 | 159 | ES | | 6 8 | 10.33 | 0.12 | | | | | | | 1.0 |
| MESJ | HN | 132 | 159 | AML | | 6 8 | 12.21 | | | 2 | 0.3 | | | | |

June 26 2013 Hour: 13:21 47.8 Lat: 36.40N Lon: 8.00W Depth: 12F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 116 | 330 | EP | | 1322 | 6.01 | -0.04 | | | | | | | 1.0 |
| MORF | HN | 116 | 330 | ES | | 1322 | 19.42 | 0.02 | | | | | | | 1.0 |
| MORF | HN | 116 | 330 | AML | | 1322 | 21.61 | | | 34 | 0.3 | | | | |
| MESJ | HZ | 161 | 353 | EP | | 1322 | 12.00 | 0.01 | | | | | | | 1.0 |
| MESJ | HN | 161 | 353 | ES | | 1322 | 29.79 | 0.12 | | | | | | | 1.0 |
| MESJ | HN | 161 | 353 | AML | | 1322 | 30.78 | | | 32 | 0.3 | | | | |
| ALMR | HZ | 310 | 351 | EP | | 1322 | 30.37 | -0.12 | | | | | | | 0.9 |

June 26 2013 Hour: 22:59 4.9 Lat: 0.17S Lon: 125.08E Depth: 60F Agency: IGL Distant
Magnitudes: 4.9MS IGL Rms: 0.1 secs

MOLUCCA SEA Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|--------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ13694 | 317 | | EPKpdf | | 2317 | 54.35 | 0.12 | | | | | | | 1.0 |
| MESJ | BZ13694 | 317 | | EPP | | 2319 | 33.80 | -0.23 | | | | | | | 1.0 |
| MORF | BZ13756 | 316 | | EPKpdf | | 2317 | 55.49 | 0.14 | | | | | | | 1.0 |
| MORF | BZ13756 | 316 | | EPP | | 2319 | 37.84 | -0.03 | | | | | | | 1.0 |
| MORF | BZ13756 | 316 | | AMS | | 2421 | 51.63 | | | 228 | 18.3 | | | | |

June 27 2013 Hour: 0:117.7 Lat: 37.09N Lon: 14.23W Depth: 50F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.2 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MORF | HZ | 496 | 86 | EP | | 0 | 2 | 21.26 | | | | | | | 1.0 |
| MORF | HN | 496 | 86 | ES | | 0 | 3 | 6.93-0.12 | | | | | | | 1.0 |
| MORF | HN | 496 | 86 | AML | | 0 | 3 | 8.55 | | 10 | 0.1 | | | | |
| MESJ | HZ | 538 | 79 | EP | | 0 | 2 | 26.12 | | | | | | | 1.0 |
| MESJ | HE | 538 | 79 | ES | | 0 | 3 | 15.48-0.37 | | | | | | | 1.0 |
| MESJ | HN | 538 | 79 | AML | | 0 | 3 | 19.16 | | 5 | 0.5 | | | | |
| ALMR | HZ | 546 | 63 | EP | | 0 | 2 | 27.12 | | | | | | | 1.0 |
| ALMR | HN | 546 | 63 | ES | | 0 | 3 | 17.33-0.19 | | | | | | | 1.0 |
| ALMR | HN | 546 | 63 | AML | | 0 | 3 | 22.25 | | 13 | 0.3 | | | | |

June 27 2013 Hour: 0:55 52.4 Lat: 38.80N Lon: 7.91W Depth: 13F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs
NE ARRAIOLOS, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-----------|------|------|------|-----|------|------|-----|
| ALMR | HZ | 70 | 305 | EP | | 056 | | 3.64-0.06 | | | | | | | 1.0 |
| MESJ | HZ | 110 | 194 | EP | | 056 | | 9.72-0.06 | | | | | | | 1.0 |
| MESJ | HN | 110 | 194 | ES | | 056 | | 22.57 | | | | | | | 1.0 |
| MESJ | HE | 110 | 194 | AML | | 056 | | 23.39 | | 3 | 0.1 | | | | |

June 27 2013 Hour: 8:38 11.4 Lat: 1.10N Lon: 127.11E Depth: 131F Agency: IGL Distant
Magnitudes: 1.0ML IGL Rms: 0.3 secs
HALMAHERA, INDONESIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|------|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MESJ | BZ13744 | 318 | EPKP | | | 856 | | 52.82 | | | | | | | 1.0 |
| MESJ | BZ13744 | 318 | EPP | | | 858 | | 35.87-0.01 | | | | | | | 1.0 |
| MORF | BZ13808 | 318 | EPKP | | | 856 | | 53.61-0.36 | | | | | | | 1.0 |
| MORF | BZ13808 | 318 | EPP | | | 858 | | 40.18 | | | | | | | 1.0 |

June 28 2013 Hour: 0:14 48.8 Lat: 36.86N Lon: 8.48W Depth: 15F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs
S LAGOA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MORF | HZ | 52 | 343 | EP | | 014 | | 57.30-0.13 | | | | | | | 1.0 |
| MORF | HN | 52 | 343 | ES | | 015 | | 3.77 | | | | | | | 1.0 |
| MORF | HN | 52 | 343 | AML | | 015 | | 6.18 | | 8 | 0.0 | | | | |
| MESJ | HN | 111 | 12 | ES | | 015 | | 19.21 | | | | | | | 1.0 |
| MESJ | HN | 111 | 12 | AML | | 015 | | 21.23 | | 4 | 0.1 | | | | |

June 28 2013 Hour: 2:37 0.7 Lat: 37.05N Lon: 13.69W Depth: 29F Agency: IGL Regional
Magnitudes: 2.5ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MORF | HZ | 449 | 85 | EP | | 237 | | 59.12-0.10 | | | | | | | 1.0 |
| MORF | HE | 449 | 85 | ES | | 238 | | 41.77-0.15 | | | | | | | 1.0 |
| MORF | HN | 449 | 85 | AML | | 238 | | 45.20 | | 10 | 0.1 | | | | |
| MESJ | HZ | 492 | 78 | EP | | 238 | | 4.45-0.01 | | | | | | | 1.0 |
| MESJ | HN | 492 | 78 | ES | | 238 | | 50.96-0.01 | | | | | | | 1.0 |
| MESJ | HN | 492 | 78 | AML | | 238 | | 55.54 | | 7 | 0.2 | | | | |
| ALMR | HZ | 506 | 61 | EP | | 238 | | 6.14 | | | | | | | 1.0 |
| ALMR | HN | 506 | 61 | ES | | 238 | | 54.06 | | | | | | | 1.0 |
| ALMR | HN | 506 | 61 | AML | | 238 | | 58.50 | | 15 | 0.3 | | | | |

June 28 2013 Hour: 8:28 47.4 Lat: 37.23N Lon: 8.61W Depth: 18F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs
SW MONCHIQUÉ, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|------------|------|------|------|-----|------|------|-----|
| MORF | HZ | 9 | 337 | EP | | 828 | | 50.66-0.01 | | | | | | | 1.0 |
| MORF | HN | 9 | 337 | ES | | 828 | | 53.03-0.04 | | | | | | | 1.0 |
| MORF | HN | 9 | 337 | AML | | 828 | | 54.21 | | 37 | 0.1 | | | | |

| | | | | | | | | | | | | | | | | | |
|---------|----|----|-----|--|-----|-------|-------|--|---|-----|--|--|--|--|--|--|-----|
| MESJ HZ | 76 | 27 | EP | | 828 | 59.77 | 0.13 | | | | | | | | | | 1.0 |
| MESJ HN | 76 | 27 | ES | | 829 | 8.50 | -0.08 | | | | | | | | | | 1.0 |
| MESJ HN | 76 | 27 | AML | | 829 | 10.52 | | | 6 | 0.3 | | | | | | | |

June 28 2013 Hour: 15:44 58.1 Lat: 36.67N Lon: 11.25W Depth: 25F 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 | 242 | 72 | EP | | 1545 | 31.30 | 0.00 | | | | | | | 1.0 |
| MESJ HZ | 298 | 63 | EP | | 1545 | 38.30 | 0.00 | | | | | | | 1.0 |

June 29 2013 Hour: 6:17 26.2 Lat: 38.08N Lon: 8.57W Depth: 1F Agency: IGL Regional Rms: 0.1 secs

S GRANDOLA, PORTUGAL Net: IMP

| | | | | | | | | | | | | | | |
|---------|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| STAT CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
| MESJ HZ | 41 | 131 | EP | | 617 | 32.52 | -0.23 | | | | | | | 1.0 |
| MESJ HN | 41 | 131 | ES | | 617 | 37.56 | 0.01 | | | | | | | 1.0 |
| MESJ HN | 41 | 131 | AML | | 617 | 38.46 | | | 214 | 0.1 | | | | |
| MORF HZ | 86 | 185 | EP | | 617 | 40.14 | 0.06 | | | | | | | 1.0 |
| MORF HN | 86 | 185 | ES | | 617 | 50.26 | 0.04 | | | | | | | 1.0 |
| MORF HN | 86 | 185 | AML | | 617 | 55.04 | | | 243 | 0.3 | | | | |
| GGNV HZ | 87 | 325 | EP | | 617 | 40.15 | -0.04 | | | | | | | 1.0 |
| GGNV HE | 87 | 325 | ES | | 617 | 50.43 | 0.01 | | | | | | | 1.0 |
| GGNV HN | 87 | 325 | AML | | 617 | 54.33 | | | 244 | 0.6 | | | | |
| ALMR HZ | 119 | 360 | EP | | 617 | 45.72 | 0.30 | | | | | | | 1.0 |
| ALMR HE | 119 | 360 | ES | | 617 | 59.34 | -0.14 | | | | | | | 1.0 |
| ALMR HN | 119 | 360 | AML | | 618 | 1.97 | | | 227 | 0.3 | | | | |

June 30 2013 Hour: 1:53 37.9 Lat: 36.65N Lon: 7.22W Depth: 18F 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 | 147 | 300 | EP | | 153 | 59.79 | -0.12 | | | | | | | 1.0 |
| MESJ HZ | 159 | 326 | EP | | 154 | 1.60 | 0.19 | | | | | | | 1.0 |
| MESJ HE | 159 | 326 | ES | | 154 | 18.48 | -0.06 | | | | | | | 1.0 |
| MESJ HN | 159 | 326 | AML | | 154 | 22.47 | | | 4 | 0.1 | | | | |

June 30 2013 Hour: 5:40 41.4 Lat: 36.95N Lon: 5.73W Depth: 14F 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 | 241 | 295 | EP | | 541 | 15.45 | 0.01 | | | | | | | 1.0 |

June 30 2013 Hour: 6: 5 58.5 Lat: 38.12N Lon: 9.59W Depth: 4F Agency: IGL Regional Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

| | | | | | | | | | | | | | | |
|---------|------|-----|-------|---|------|-------|-------|-------|------|------|-----|------|------|-----|
| STAT CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
| MORF HZ | 123 | 137 | EP | | 6 | 6 | 18.39 | 0.20 | | | | | | 1.0 |
| MORF HN | 123 | 137 | ES | | 6 | 6 | 32.54 | -0.03 | | | | | | 1.0 |
| MORF HN | 123 | 137 | AML | | 6 | 6 | 35.34 | | | 7 | 0.1 | | | |
| MESJ HZ | 124 | 104 | EP | | 6 | 6 | 18.33 | -0.12 | | | | | | 1.0 |
| MESJ HE | 124 | 104 | ES | | 6 | 6 | 32.96 | -0.05 | | | | | | 1.0 |
| MESJ HN | 124 | 104 | AML | | 6 | 6 | 34.74 | | | 4 | 0.7 | | | |

June 30 2013 Hour: 12:45 53.3 Lat: 37.17N Lon: 8.40W Depth: 10F Agency: IGL Regional Rms: 0.1 secs

E SILVES, PORTUGAL Net: IMP

| | | | | | | | | | | | | | | |
|---------|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| STAT CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
| MORF HZ | 27 | 304 | EP | | 1245 | 57.82 | -0.13 | | | | | | | 1.0 |
| MORF HE | 27 | 304 | ES | | 1246 | 1.56 | 0.21 | | | | | | | 1.0 |
| MORF HE | 27 | 304 | AML | | 1246 | 2.82 | | | 15 | 0.2 | | | | |
| MESJ HZ | 76 | 12 | EP | | 1246 | 5.55 | -0.04 | | | | | | | 1.0 |
| MESJ HE | 76 | 12 | ES | | 1246 | 14.52 | -0.05 | | | | | | | 1.0 |
| MESJ HE | 76 | 12 | AML | | 1246 | 15.62 | | | 8 | 0.1 | | | | |

June 30 2013 Hour: 16:23 6.2 Lat: 38.78N Lon: 9.40W Depth: 13F Agency: IGL Regional
 Magnitudes: 2.4ML IGL Rms: 0.1 secs

SW SINTRA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | HZ | 23 | 108 | EP | | 1623 | 10.10 | -0.31 | | | | | | | 1.0 |
| GGNV | HN | 23 | 108 | ES | | 1623 | 13.61 | 0.10 | | | | | | | 1.0 |
| GGNV | HN | 23 | 108 | AML | | 1623 | 14.86 | | | 1031 | 0.2 | | | | |
| ALMR | HZ | 83 | 60 | EP | | 1623 | 19.40 | 0.02 | | | | | | | 1.0 |
| ALMR | HE | 83 | 60 | ES | | 1623 | 29.12 | 0.10 | | | | | | | 1.0 |
| ALMR | HN | 83 | 60 | AML | | 1623 | 30.67 | | | 127 | 0.2 | | | | |
| MESJ | HZ | 147 | 135 | EP | | 1623 | 28.55 | -0.01 | | | | | | | 0.9 |
| MESJ | HN | 147 | 135 | ES | | 1623 | 44.98 | 0.09 | | | | | | | 0.9 |
| MESJ | HN | 147 | 135 | AML | | 1623 | 48.85 | | | 30 | 0.1 | | | | |
| MORF | HZ | 176 | 158 | EP | | 1623 | 32.24 | -0.01 | | | | | | | 0.9 |
| MORF | HN | 176 | 158 | ES | | 1623 | 51.33 | 0.04 | | | | | | | 0.9 |
| MORF | HN | 176 | 158 | AML | | 1623 | 52.30 | | | 23 | 0.3 | | | | |