

Seismological Bulletin

from the

UNIVERSITY OF LISBON
FACULTY OF SCIENCE

IDL Seismic Network

January to February

2023

Instituto D. Luiz
University of Lisbon
Faculty of Science
Campo Grande
Edifício C1, Piso 1
1749 016 Lisboa
Portugal

Tel : +351-213921866
E-Mail : sigidl@fc.ul.pt

IDL.UL.PT

STATIONS USED

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

Lisboa (IGIDL)
GGNV

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

Marmelete (Picos)
MORF

| | |
|-----------|----------|
| Latitude | 37.3043N |
| Longitude | 8.6527W |
| Height | 560 m |

Messejana
MESJ

| | |
|-----------|----------|
| Latitude | 37.8395N |
| Longitude | 8.2199W |
| Height | 25 0m |

Grandola
GRNL

| | |
|-----------|------------|
| Latitude | 38.108307N |
| Longitude | 8.569027W |
| Height | 172 m |

January 1 2023 Hour: 3:16 16.1 Lat: 6.65S Lon: 155.17E Depth: 49F Agency: IGL Distant
Rms: 0.1 secs

BOUGAINVILLE REGION, PAPUA NEW GUINEA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|------|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| GRNL | BZ16184 | 337 | EPKP | | | 335 | 47.940 | .080 | | | | | | | 1.0 |
| MESJ | BZ16194 | 336 | EPKP | | | 335 | 47.95- | .080 | | | | | | | 1.0 |

January 2 2023 Hour: 12:17 49.1 Lat: 36.81N Lon: 9.68W Depth: 18F Agency: IGL Regional
Magnitudes: 1.4ML 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 | 107 | 59 | EP | | 1218 | 5.990 | .040 | | | | | | | 1.0 |
| MORF | HN | 107 | 59 | ES | | 1218 | 18.390 | .110 | | | | | | | 1.0 |
| MORF | HN | 107 | 59 | IAML | | 1218 | 19.03 | | | 10 | 0.1 | | | | |
| MESJ | HZ | 173 | 48 | EP | | 1218 | 14.01- | .230 | | | | | | | 1.0 |
| MESJ | HN | 173 | 48 | ES | | 1218 | 32.710 | .100 | | | | | | | 1.0 |
| MESJ | HE | 173 | 48 | IAML | | 1218 | 34.06 | | | 2 | 0.2 | | | | |
| GRNL | CZ | 175 | 34 | EP | | 1218 | 14.26- | .200 | | | | | | | 1.0 |
| GRNL | CN | 175 | 34 | ES | | 1218 | 33.170 | .170 | | | | | | | 1.0 |
| GRNL | CE | 175 | 34 | IAML | | 1218 | 35.31 | | | 4 | 0.1 | | | | |

January 2 2023 Hour: 13:15 51.8 Lat: 36.63N Lon: 9.77W Depth: 15F Agency: IGL Regional
Magnitudes: 1.7ML IGL
Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MORF | HZ | 124 | 53 | EP | | 1316 | 11.15- | .090 | | | | | | | 1.0 |
| MORF | HE | 124 | 53 | ES | | 1316 | 25.550 | .140 | | | | | | | 1.0 |
| MORF | HN | 124 | 53 | IAML | | 1316 | 26.52 | | | 21 | 0.1 | | | | |
| MESJ | HZ | 192 | 45 | EP | | 1316 | 19.52- | .100 | | | | | | | 1.0 |
| MESJ | HN | 192 | 45 | ES | | 1316 | 40.020 | .130 | | | | | | | 1.0 |
| MESJ | HN | 192 | 45 | IAML | | 1316 | 42.03 | | | 4 | 0.1 | | | | |
| GRNL | CZ | 195 | 33 | EP | | 1316 | 19.95- | .080 | | | | | | | 1.0 |

January 2 2023 Hour: 14:49 22.6 Lat: 37.31N Lon: 8.48W Depth: 6F Agency: IGL Regional
Magnitudes: 0.8ML IGL
Rms: 0.1 secs

E MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MORF | HZ | 15 | 270 | EP | | 1449 | 25.07- | .180 | | | | | | | 1.0 |
| MORF | HE | 15 | 270 | ES | | 1449 | 27.280 | .080 | | | | | | | 1.0 |
| MORF | HE | 15 | 270 | IAML | | 1449 | 28.39 | | | 43 | 0.1 | | | | |
| GRNL | CN | 90 | 355 | ES | | 1449 | 47.720 | .110 | | | | | | | 1.0 |
| GRNL | CN | 90 | 355 | IAML | | 1449 | 48.82 | | | 2 | 0.1 | | | | |

January 2 2023 Hour: 18:22 45.2 Lat: 45.97N Lon: 150.81E Depth: 87F Agency: IGL Distant
Magnitudes: 5.4Ms IGL
Rms: 0.1 secs

KURIL ISLANDS Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|---------|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| GRNL | BZ10477 | 344 | EP | | | 1835 | 54.320 | .110 | | | | | | | 1.0 |
| GRNL | BZ10477 | 344 | IAMs_20 | | | 1939 | 22.74 | | | 1598 | 23.8 | | | | |
| MESJ | BZ10498 | 343 | EP | | | 1835 | 54.98- | .130 | | | | | | | 1.0 |
| MESJ | BZ10498 | 343 | IAMs_20 | | | 1939 | 27.75 | | | 1128 | 16.0 | | | | |
| MORF | BZ10565 | 344 | EP | | | 1835 | 57.930 | .020 | | | | | | | 1.0 |
| MORF | BZ10565 | 344 | IAMs_20 | | | 1939 | 46.96 | | | 1782 | 22.3 | | | | |

January 2 2023 Hour: 21:37 27.5 Lat: 40.47N Lon: 29.39W Depth: 10F Agency: IGL Distant
Magnitudes: 3.9Ms IGL
Rms: 0.1 secs

AZORES ISLANDS REGION Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 1811 | 92 | EP | | 2141 | 16.470 | .080 | | | | | | | 1.0 |
| GRNL | CZ | 1811 | 92 | IAMs_20 | | 2145 | 34.04 | | | 926 | 22.2 | | | | |
| MORF | HZ | 1829 | 94 | EP | | 2141 | 18.620 | .140 | | | | | | | 1.0 |
| MORF | HZ | 1829 | 94 | IAMs_20 | | 2145 | 49.81 | | | 893 | 21.3 | | | | |
| MESJ | HZ | 1848 | 92 | EP | | 2141 | 20.46- | .230 | | | | | | | 1.0 |

MESJ HZ 1848 92 IAMs_20 2145 46.19

857 23.7

**January 2 2023 Hour: 23: 9 51.2 Lat: 37.03N Lon: 8.44W Depth: 17F 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 | 36 | 327 | EP | | 23 9 | 57.37 | -.170 | | | | | | | 1.0 |
| MORF | HN | 36 | 327 | ES | | 2310 | 2.280 | .150 | | | | | | | 1.0 |
| MORF | HN | 36 | 327 | IAML | | 2310 | 2.80 | | 18 | 0.1 | | | | | |
| MESJ | HZ | 91 | 12 | EP | | 2310 | 5.830 | .030 | | | | | | | 1.0 |
| MESJ | HN | 91 | 12 | ES | | 2310 | 16.460 | .030 | | | | | | | 1.0 |
| MESJ | HN | 91 | 12 | IAML | | 2310 | 18.27 | | 6 | 0.1 | | | | | |
| GRNL | CN | 120 | 354 | ES | | 2310 | 23.51 | -.040 | | | | | | | 1.0 |
| GRNL | CN | 120 | 354 | IAML | | 2310 | 24.88 | | 6 | 0.1 | | | | | |

**January 2 2023 Hour: 23:57 32.0 Lat: 35.86N Lon: 7.39W Depth: 28F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 270 | 337 | EP | | 2358 | 8.46 | -.060 | | | | | | | 1.0 |
| GRNL | CE | 270 | 337 | ES | | 2358 | 35.240 | .060 | | | | | | | 1.0 |
| GRNL | CN | 270 | 337 | IAML | | 2358 | 36.37 | | 0.70 | 0.1 | | | | | |

**January 3 2023 Hour: 1:26 41.7 Lat: 39.18N Lon: 9.22W Depth: 15F Agency: IGL Regional
Magnitudes: 3.5ML IGL Rms: 0.2 secs**

SE LOURINHA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GGNV | HZ | 52 | 173 | EP | | 126 | 50.13 | -.140 | | | | | | | 1.0 |
| GGNV | HE | 52 | 173 | ES | | 126 | 56.810 | .250 | | | | | | | 1.0 |
| GGNV | HN | 52 | 173 | IAML | | 126 | 58.17 | | 7134 | 0.2 | | | | | |
| GRNL | CZ | 132 | 154 | EP | | 127 | 2.150 | .120 | | | | | | | 1.0 |
| GRNL | CN | 132 | 154 | ES | | 127 | 17.190 | .290 | | | | | | | 1.0 |
| GRNL | CN | 132 | 154 | IAML | | 127 | 19.69 | | 860 | 0.2 | | | | | |
| MESJ | HZ | 173 | 149 | EPg | | 127 | 8.33 | -.190 | | | | | | | 0.9 |
| MESJ | HE | 173 | 149 | ESg | | 127 | 27.94 | -.190 | | | | | | | 0.9 |
| MESJ | HE | 173 | 149 | IAML | | 127 | 29.15 | | 262 | 0.2 | | | | | |
| MORF | HZ | 214 | 166 | EP | | 127 | 12.13 | -.160 | | | | | | | 0.9 |
| MORF | HN | 214 | 166 | IAML | | 127 | 44.70 | | 338 | 0.2 | | | | | |

**January 3 2023 Hour: 18:19 26.5 Lat: 0.87N Lon: 29.24W Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs**

CENTRAL MID-ATLANTIC RIDGE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 4556 | 25 | EP | | 1827 | 9.430 | .120 | | | | | | | 1.0 |
| MORF | BZ | 4556 | 25 | IAmb | | 1827 | 10.51 | | 49 | 1.0 | | | | | |
| MESJ | BZ | 4627 | 25 | EP | | 1827 | 14.45 | -.030 | | | | | | | 1.0 |
| MESJ | BZ | 4627 | 25 | IAmb | | 1827 | 17.25 | | 85 | 2.3 | | | | | |
| MESJ | BN | 4627 | 25 | ES | | 1833 | 31.50 | -.050 | | | | | | | 1.0 |
| GRNL | BZ | 4636 | 25 | EP | | 1827 | 15.09 | -.030 | | | | | | | 1.0 |
| GRNL | BZ | 4636 | 25 | IAmb | | 1827 | 17.87 | | 101 | 1.7 | | | | | |

**January 4 2023 Hour: 0: 3 45.9 Lat: 36.47N Lon: 11.71W Depth: 31F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 288 | 70 | EP | | 0 4 | 23.47 | -.220 | | | | | | | 1.0 |
| MORF | HN | 288 | 70 | ES | | 0 4 | 51.29 | -.000 | | | | | | | 1.0 |
| MORF | HN | 288 | 70 | IAML | | 0 4 | 56.53 | | 144 | 0.3 | | | | | |
| GRNL | CZ | 333 | 56 | EP | | 0 4 | 29.440 | .240 | | | | | | | 1.0 |
| MESJ | HZ | 345 | 63 | EP | | 0 4 | 30.790 | .010 | | | | | | | 1.0 |
| MESJ | HE | 345 | 63 | ES | | 0 5 | 3.55 | -.020 | | | | | | | 1.0 |
| MESJ | HN | 345 | 63 | IAML | | 0 5 | 9.80 | | 8 | 0.3 | | | | | |

January 4 2023 Hour: 1:45 39.0 Lat: 36.84N Lon: 8.59W Depth: 26F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 52 | 353 | EP | | 145 | 48.110 | .080 | | | | | | | 1.0 |
| MORF | HE | 52 | 353 | ES | | 145 | 54.53 | -.080 | | | | | | | 1.0 |
| MORF | HE | 52 | 353 | IAML | | 145 | 55.18 | | | 3 | 0.1 | | | | |

January 4 2023 Hour: 2: 8 0.0 Lat: 53.90N Lon: 35.03W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs
REYKJANES RIDGE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ | 2585 | 120 | EP | | 213 | 7.690 | .050 | | | | | | | 1.0 |
| GGNV | BZ | 2585 | 120 | IAMB | | 213 | 15.02 | | | 70 | 0.5 | | | | |
| GRNL | BZ | 2669 | 120 | EP | | 213 | 14.90 | -.050 | | | | | | | 1.0 |
| GRNL | BZ | 2669 | 120 | IAMB | | 213 | 19.59 | | | 134 | 1.7 | | | | |
| MESJ | BZ | 2712 | 120 | EP | | 213 | 18.480 | .020 | | | | | | | 1.0 |
| MESJ | BZ | 2712 | 120 | IAMB | | 213 | 23.62 | | | 38 | 1.7 | | | | |
| MORF | BZ | 2733 | 122 | EP | | 213 | 20.23 | -.020 | | | | | | | 1.0 |
| MORF | BZ | 2733 | 122 | IAMB | | 213 | 26.11 | | | 277 | 1.7 | | | | |

January 4 2023 Hour: 2:16 21.3 Lat: 37.30N Lon: 8.55W Depth: 8F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.1 secs
SE MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 9 | 270 | EP | | 216 | 23.21 | -.090 | | | | | | | 1.0 |
| MORF | HE | 9 | 270 | ES | | 216 | 24.780 | .000 | | | | | | | 1.0 |
| MORF | HE | 9 | 270 | IAML | | 216 | 25.28 | | | 1151 | 0.1 | | | | |
| MESJ | HZ | 66 | 26 | EP | | 216 | 32.190 | .160 | | | | | | | 1.0 |
| GRNL | CZ | 89 | 359 | EP | | 216 | 35.780 | .080 | | | | | | | 1.0 |
| GRNL | CN | 89 | 359 | ES | | 216 | 46.07 | -.160 | | | | | | | 1.0 |
| GRNL | CN | 89 | 359 | IAML | | 216 | 48.14 | | | 62 | 0.1 | | | | |

January 4 2023 Hour: 15:39 52.1 Lat: 37.32N Lon: 8.55W Depth: 12F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs
NE MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 9 | 261 | EP | | 1539 | 54.41 | -.210 | | | | | | | 1.0 |
| MORF | HE | 9 | 261 | ES | | 1539 | 56.570 | .130 | | | | | | | 1.0 |
| MORF | HE | 9 | 261 | IAML | | 1539 | 57.37 | | | 15 | 0.1 | | | | |
| GRNL | CN | 88 | 359 | ES | | 1540 | 16.410 | .090 | | | | | | | 1.0 |
| GRNL | CN | 88 | 359 | IAML | | 1540 | 17.13 | | | 5 | 0.2 | | | | |

January 4 2023 Hour: 20: 3 54.1 Lat: 38.73N Lon: 23.65E Depth: 2F Agency: IGL Distant
Magnitudes: 4.2Mb 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 | 2776 | 278 | EP | | 20 | 9 | 18.93 | -.060 | | | | | | 1.0 |
| MESJ | BZ | 2776 | 278 | IAMB | | 20 | 9 | 19.38 | | 3 | 1.0 | | | | |
| GRNL | BZ | 2800 | 279 | EP | | 20 | 9 | 20.990 | .060 | | | | | | 1.0 |
| GRNL | BZ | 2800 | 279 | IAMB | | 20 | 9 | 23.19 | | 8 | 1.1 | | | | |

January 4 2023 Hour: 21:27 7.8 Lat: 36.56N Lon: 9.78W Depth: 13F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs
WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 131 | 50 | EP | | 2127 | 28.170 | .010 | | | | | | | 1.0 |
| GRNL | CZ | 203 | 32 | EP | | 2127 | 37.11 | -.020 | | | | | | | 1.0 |
| GRNL | CE | 203 | 32 | ES | | 2127 | 58.580 | .010 | | | | | | | 1.0 |
| GRNL | CN | 203 | 32 | IAML | | 2128 | 1.45 | | | 1 | 0.1 | | | | |

January 4 2023 Hour: 22:32 38.1 Lat: 37.38N Lon: 8.51W Depth: 9F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 15 | 237 | EP | | 2232 | 40.86 | -.080 | | | | | | | 1.0 |
| MORF | HE | 15 | 237 | ES | | 2232 | 43.100 | .070 | | | | | | | 1.0 |
| MORF | HN | 15 | 237 | IAML | | 2232 | 43.85 | | 6 | 0.1 | | | | | |
| GRNL | CN | 81 | 356 | ES | | 2233 | 0.840 | .010 | | | | | | | 1.0 |
| GRNL | CN | 81 | 356 | IAML | | 2233 | 0.89 | | 2 | 0.1 | | | | | |

January 4 2023 Hour: 22:47 34.0 Lat: 35.79N Lon: 8.86W Depth: 30F 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 | 170 | 6 | EP | | 2247 | 57.77 | -.160 | | | | | | | 1.0 |
| MORF | HN | 170 | 6 | ES | | 2248 | 15.540 | .160 | | | | | | | 1.0 |
| MORF | HN | 170 | 6 | IAML | | 2248 | 16.64 | | 3 | 0.2 | | | | | |

January 4 2023 Hour: 23:23 47.7 Lat: 19.19S Lon: 69.06W Depth:131FAgency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.1 secs

TARAPACA, CHILE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 8894 | 45 | EP | | 2335 | 42.410 | .120 | | | | | | | 1.0 |
| MORF | BZ | 8894 | 45 | IAMB | | 2335 | 43.26 | | 28 | 0.9 | | | | | |
| GRNL | BZ | 8949 | 44 | EP | | 2335 | 44.920 | .040 | | | | | | | 1.0 |
| GRNL | BZ | 8949 | 44 | IAMB | | 2335 | 46.32 | | 25 | 1.0 | | | | | |
| MESJ | BZ | 8958 | 45 | EP | | 2335 | 45.18 | -.160 | | | | | | | 1.0 |
| MESJ | BZ | 8958 | 45 | IAMB | | 2335 | 45.93 | | 4 | 0.4 | | | | | |

January 5 2023 Hour: 5:18 35.2 Lat: 37.62N Lon: 9.34W Depth: 16F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

SW SINES, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 70 | 120 | EP | | 518 | 46.630 | .090 | | | | | | | 1.0 |
| MORF | HE | 70 | 120 | ES | | 518 | 54.66 | -.190 | | | | | | | 1.0 |
| MORF | HE | 70 | 120 | IAML | | 518 | 55.09 | | 12 | 0.2 | | | | | |
| GRNL | CZ | 87 | 51 | EP | | 518 | 49.140 | .140 | | | | | | | 1.0 |
| GRNL | CE | 87 | 51 | ES | | 518 | 59.06 | -.040 | | | | | | | 1.0 |
| GRNL | CE | 87 | 51 | IAML | | 519 | 0.20 | | 2 | 0.1 | | | | | |

January 5 2023 Hour: 6:25 49.0 Lat: 37.28N Lon: 7.75W Depth: 3F Agency: IGL Regional
Magnitudes: 0.5ML IGL Rms: 0.1 secs

NE S. BRAS DE ALPORTEL, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 117 | 322 | EP | | 626 | 7.970 | .060 | | | | | | | 1.0 |
| GRNL | CN | 117 | 322 | ES | | 626 | 21.65 | -.060 | | | | | | | 1.0 |
| GRNL | CN | 117 | 322 | IAML | | 626 | 21.98 | | 0.90 | 0.1 | | | | | |

January 5 2023 Hour: 14:25 52.6 Lat: 36.49N Lon: 70.70E Depth:194FAgency: IGL Distant
Magnitudes: 5.7Mb IGL Rms: 0.1 secs

HINDU KUSH REGION, AFGHANISTAN Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 6786 | 297 | EP | | 1435 | 45.74 | -.020 | | | | | | | 1.0 |
| MESJ | BN | 6786 | 297 | ES | | 1443 | 49.590 | .040 | | | | | | | 1.0 |
| GRNL | BZ | 6801 | 298 | EP | | 1435 | 46.62 | -.030 | | | | | | | 1.0 |
| GRNL | BZ | 6801 | 298 | IAMB | | 1435 | 48.45 | | 143 | 1.2 | | | | | |
| GRNL | BN | 6801 | 298 | ES | | 1443 | 51.460 | .240 | | | | | | | 0.9 |
| GGNV | BZ | 6818 | 299 | EP | | 1435 | 47.720 | .080 | | | | | | | 1.0 |
| GGNV | BZ | 6818 | 299 | IAMB | | 1435 | 50.18 | | 464 | 1.6 | | | | | |
| GGNV | BE | 6818 | 299 | ES | | 1443 | 52.89 | -.190 | | | | | | | 0.9 |
| MORF | BZ | 6846 | 297 | EP | | 1435 | 49.40 | -.050 | | | | | | | 1.0 |
| MORF | BZ | 6846 | 297 | IAMB | | 1435 | 51.67 | | 125 | 1.7 | | | | | |
| MORF | BN | 6846 | 297 | ES | | 1443 | 56.42 | -.050 | | | | | | | 1.0 |

January 5 2023 Hour: 15:27 38.4 Lat: 14.30N Lon: 94.09W Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs
OFF COAST OF CHIAPAS, MEXICO Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 8699 | 54 | EP | | 1539 | 38.17 | -.000 | | | | | | | 1.0 |
| MESJ | BZ | 8699 | 54 | IAMB | | 1539 | 39.85 | | | 21 | 2.5 | | | | |

January 6 2023 Hour: 11:52 38.6 Lat: 24.85S Lon: 179.95W Depth: 492F Agency: IGL Distant
Rms: 0.0 secs
SOUTH OF FIJI ISLANDS Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|-------|-----|--------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 18344 | 27 | EPKPDF | | 1211 | 45.07 | 0.030 | | | | | | | 1.0 |
| MESJ | BZ | 18386 | 27 | EPKPDF | | 1211 | 45.37 | -.000 | | | | | | | 1.0 |
| MORF | BZ | 18416 | 29 | EPKPDF | | 1211 | 45.62 | -.030 | | | | | | | 1.0 |

January 6 2023 Hour: 15: 4 15.6 Lat: 35.95N Lon: 10.08W Depth: 30F Agency: IGL Regional
Magnitudes: 1.3ML 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 | 197 | 40 | EP | | 15 4 | 42.92 | -.010 | | | | | | | 1.0 |
| GRNL | CN | 275 | 29 | ES | | 15 5 | 19.50 | 0.010 | | | | | | | 1.0 |
| GRNL | CN | 275 | 29 | IAML | | 15 5 | 20.48 | | | 1 | 0.1 | | | | |

January 7 2023 Hour: 6:39 29.6 Lat: 39.42N Lon: 26.20E Depth: 12F Agency: IGL Distant
Magnitudes: 4.7Mb IGL Rms: 0.0 secs
NEAR THE COAST OF WESTERN TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 3007 | 278 | EP | | 645 | 11.72 | 0.000 | | | | | | | 1.0 |
| GRNL | BZ | 3007 | 278 | IAMB | | 645 | 12.61 | | | 13 | 0.8 | | | | |

January 7 2023 Hour: 8:12 27.2 Lat: 34.78N Lon: 3.85W Depth: 9F Agency: IGL Regional
Magnitudes: 3.8ML IGL Rms: 0.1 secs
MOROCCO Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 515 | 304 | EP | | 813 | 35.41 | -.070 | | | | | | | 1.0 |
| MORF | HE | 515 | 304 | ES | | 814 | 25.39 | 0.060 | | | | | | | 1.0 |
| MORF | HN | 515 | 304 | IAML | | 814 | 31.76 | | | 356 | 0.5 | | | | |
| MESJ | HZ | 519 | 312 | EP | | 813 | 35.93 | 0.060 | | | | | | | 1.0 |
| MESJ | HE | 519 | 312 | ES | | 814 | 25.83 | -.170 | | | | | | | 1.0 |
| MESJ | HE | 519 | 312 | IAML | | 814 | 31.78 | | | 35 | 0.2 | | | | |
| GRNL | CZ | 561 | 313 | EP | | 813 | 41.15 | 0.120 | | | | | | | 1.0 |
| GRNL | CE | 561 | 313 | ES | | 814 | 34.93 | 0.000 | | | | | | | 1.0 |
| GRNL | CN | 561 | 313 | IAML | | 814 | 43.90 | | | 356 | 0.6 | | | | |

January 7 2023 Hour: 8:20 46.6 Lat: 35.00N Lon: 3.94W Depth: 1 Agency: IGL Regional
Rms: 0.1 secs
MOROCCO Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 495 | 302 | EP | | 821 | 53.35 | -.030 | | | | | | | 1.0 |
| MESJ | HZ | 497 | 311 | EP | | 821 | 53.66 | 0.150 | | | | | | | 1.0 |
| GRNL | CZ | 539 | 311 | EP | | 821 | 58.54 | -.130 | | | | | | | 1.0 |

January 7 2023 Hour: 11:23 38.8 Lat: 37.31N Lon: 8.53W Depth: 10F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs
SE MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 11 | 268 | EP | | 1123 | 41.17 | -.070 | | | | | | | 1.0 |
| MORF | HE | 11 | 268 | ES | | 1123 | 43.14 | 0.140 | | | | | | | 1.0 |
| MORF | HN | 11 | 268 | IAML | | 1123 | 43.60 | | | 77 | 0.1 | | | | |
| GRNL | CN | 89 | 358 | ES | | 1124 | 3.45 | -.070 | | | | | | | 1.0 |
| GRNL | CN | 89 | 358 | IAML | | 1124 | 5.22 | | | 5 | 0.1 | | | | |

January 7 2023 Hour: 13:28 57.9 Lat: 34.97N Lon: 3.89W Depth: 0 Agency: IGL Regional
Magnitudes: 3.2ML IGL Rms: 0.1 secs

MOROCCO Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 501 | 302 | EP | | 1330 | 5.16 | -.170 | | | | | | | 1.0 |
| MESJ | HZ | 502 | 311 | EP | | 1330 | 5.44 | -.020 | | | | | | | 1.0 |
| GRNL | CZ | 545 | 311 | EP | | 1330 | 10.670 | .060 | | | | | | | 1.0 |
| GRNL | CN | 545 | 311 | ES | | 1331 | 3.870 | .150 | | | | | | | 1.0 |
| GRNL | CN | 545 | 311 | IAML | | 1331 | 8.28 | | | 38 | 0.3 | | | | |

January 7 2023 Hour: 14: 8 32.6 Lat: 37.40N Lon: 2.04W Depth: 8F 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 | 548 | 277 | EP | | 14 9 | 44.930 | .000 | | | | | | | 1.0 |

January 7 2023 Hour: 15:49 5.3 Lat: 36.11N Lon: 10.13W Depth: 0 Agency: IGL Regional
Magnitudes: 1.5ML 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 | 187 | 45 | EP | | 1549 | 34.110 | .130 | | | | | | | 1.0 |
| MORF | HN | 187 | 45 | ES | | 1549 | 54.91 | -.040 | | | | | | | 1.0 |
| MORF | HN | 187 | 45 | IAML | | 1549 | 57.66 | | | 15 | 0.2 | | | | |
| MESJ | HZ | 256 | 41 | EP | | 1549 | 42.650 | .090 | | | | | | | 1.0 |
| MESJ | HN | 256 | 41 | ES | | 1550 | 9.940 | .140 | | | | | | | 1.0 |
| MESJ | HN | 256 | 41 | IAML | | 1550 | 12.05 | | | 0.80 | 0.3 | | | | |
| GRNL | CZ | 262 | 32 | EP | | 1549 | 42.87 | -.320 | | | | | | | 1.0 |

January 7 2023 Hour: 18:41 7.3 Lat: 37.89N Lon: 9.53W Depth: 24F Agency: IGL Regional
Magnitudes: 3.7ML 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 |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 88 | 74 | EP | | 1841 | 21.340 | .110 | | | | | | | 1.0 |
| GRNL | CE | 88 | 74 | ES | | 1841 | 31.26 | -.170 | | | | | | | 1.0 |
| GRNL | CN | 88 | 74 | IAML | | 1841 | 33.97 | | | 1598 | 0.2 | | | | |
| GGNV | HZ | 98 | 20 | EP | | 1841 | 22.620 | .050 | | | | | | | 1.0 |
| GGNV | HN | 98 | 20 | ES | | 1841 | 33.760 | .020 | | | | | | | 1.0 |
| GGNV | HN | 98 | 20 | IAML | | 1841 | 35.02 | | | 2461 | 0.2 | | | | |
| MORF | HZ | 101 | 130 | EP | | 1841 | 23.100 | .010 | | | | | | | 1.0 |
| MORF | HE | 101 | 130 | ES | | 1841 | 34.48 | -.180 | | | | | | | 1.0 |
| MORF | HN | 101 | 130 | IAML | | 1841 | 37.14 | | | 3434 | 0.2 | | | | |
| MESJ | HZ | 116 | 92 | EP | | 1841 | 25.000 | .170 | | | | | | | 1.0 |
| MESJ | HE | 116 | 92 | ES | | 1841 | 37.66 | -.010 | | | | | | | 1.0 |
| MESJ | HN | 116 | 92 | IAML | | 1841 | 39.28 | | | 596 | 0.2 | | | | |

January 7 2023 Hour: 18:46 46.5 Lat: 37.86N Lon: 9.57W Depth: 31F Agency: IGL Regional
Magnitudes: 1.4ML 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 |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 92 | 72 | EP | | 1846 | 59.990 | .010 | | | | | | | 1.0 |
| GRNL | CN | 92 | 72 | ES | | 1847 | 9.950 | .160 | | | | | | | 1.0 |
| GRNL | CN | 92 | 72 | IAML | | 1847 | 12.06 | | | 6 | 0.1 | | | | |
| MORF | HZ | 102 | 127 | EP | | 1847 | 0.99 | -.240 | | | | | | | 1.0 |
| MORF | HN | 102 | 127 | ES | | 1847 | 12.030 | .070 | | | | | | | 1.0 |
| MORF | HN | 102 | 127 | IAML | | 1847 | 13.30 | | | 12 | 0.1 | | | | |

January 7 2023 Hour: 19: 3 41.1 Lat: 37.86N Lon: 9.50W Depth: 20F Agency: IGL Regional
Magnitudes: 1.5ML 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 |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 86 | 71 | EP | | 19 3 | 55.050 | .080 | | | | | | | 1.0 |
| MORF | HZ | 97 | 129 | EP | | 19 3 | 56.590 | .010 | | | | | | | 1.0 |
| MORF | HN | 97 | 129 | ES | | 19 4 | 7.79 | -.090 | | | | | | | 1.0 |

MORF HN 97 129 IAML 19 4 9.02 12 0.1

January 7 2023 Hour: 19:53 29.3 Lat: 37.89N Lon: 9.57W Depth: 18F Agency: IGL Regional
Magnitudes: 0.6ML 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 91 | 74 | EP | | 1953 | 43.94 | 0.100 | | | | | | | 1.0 |
| MESJ | HE | 119 | 92 | ES | | 1954 | 1.19 | -.100 | | | | | | | 1.0 |
| MESJ | HE | 119 | 92 | IAML | | 1954 | 2.27 | | | 1.00 | 0.2 | | | | |

January 7 2023 Hour: 23:36 27.9 Lat: 37.37N Lon: 8.47W Depth: 13F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

NE MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 18 | 247 | EP | | 2336 | 31.53 | 0.010 | | | | | | | 1.0 |
| MORF | HE | 18 | 247 | ES | | 2336 | 34.17 | -.010 | | | | | | | 1.0 |
| MORF | HN | 18 | 247 | IAML | | 2336 | 34.53 | | | 40 | 0.1 | | | | |

January 8 2023 Hour: 2:53 30.3 Lat: 37.88N Lon: 9.52W Depth: 31F Agency: IGL Regional
Magnitudes: 1.2ML 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 88 | 73 | EP | | 253 | 43.14 | -.010 | | | | | | | 1.0 |
| GRNL | CE | 88 | 73 | ES | | 253 | 52.45 | -.110 | | | | | | | 1.0 |
| GRNL | CN | 88 | 73 | IAML | | 253 | 53.42 | | | 4 | 0.1 | | | | |
| MORF | HZ | 100 | 129 | EP | | 253 | 44.86 | 0.130 | | | | | | | 1.0 |
| MORF | HN | 100 | 129 | ES | | 253 | 55.37 | 0.080 | | | | | | | 1.0 |
| MORF | HN | 100 | 129 | IAML | | 253 | 56.92 | | | 8 | 0.3 | | | | |
| MESJ | HZ | 115 | 92 | EP | | 253 | 46.45 | -.090 | | | | | | | 1.0 |

January 8 2023 Hour: 2:55 26.0 Lat: 36.50N Lon: 8.09W Depth: 32F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 102 | 331 | EP | | 255 | 41.31 | -.140 | | | | | | | 1.0 |
| MORF | HE | 102 | 331 | ES | | 255 | 52.90 | 0.170 | | | | | | | 1.0 |
| MORF | HE | 102 | 331 | IAML | | 255 | 54.42 | | | 130 | 0.2 | | | | |
| MESJ | HZ | 149 | 356 | EP | | 255 | 47.27 | 0.050 | | | | | | | 1.0 |
| GRNL | CZ | 183 | 347 | EP | | 255 | 51.34 | -.140 | | | | | | | 1.0 |
| GRNL | CE | 183 | 347 | ES | | 256 | 10.14 | 0.050 | | | | | | | 1.0 |
| GRNL | CN | 183 | 347 | IAML | | 256 | 10.92 | | | 22 | 0.1 | | | | |

January 8 2023 Hour: 3:11 5.4 Lat: 37.31N Lon: 8.53W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

SE MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 11 | 270 | EP | | 311 | 8.03 | -.200 | | | | | | | 1.0 |
| MORF | HE | 11 | 270 | ES | | 311 | 10.37 | 0.090 | | | | | | | 1.0 |
| MORF | HN | 11 | 270 | IAML | | 311 | 10.97 | | | 23 | 0.2 | | | | |
| MESJ | HZ | 65 | 25 | EP | | 311 | 16.20 | 0.190 | | | | | | | 1.0 |
| MESJ | HE | 65 | 25 | ES | | 311 | 23.70 | -.030 | | | | | | | 1.0 |
| MESJ | HE | 65 | 25 | IAML | | 311 | 24.66 | | | 3 | 0.1 | | | | |
| GRNL | CN | 89 | 358 | ES | | 311 | 29.93 | -.060 | | | | | | | 1.0 |
| GRNL | CN | 89 | 358 | IAML | | 311 | 30.59 | | | 8 | 0.2 | | | | |

January 8 2023 Hour: 3:32 17.3 Lat: 37.90N Lon: 9.52W Depth: 21F Agency: IGL Regional
Magnitudes: 1.2ML 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 86 | 74 | EP | | 332 | 31.27 | 0.170 | | | | | | | 1.0 |
| GRNL | CN | 86 | 74 | ES | | 332 | 41.24 | 0.040 | | | | | | | 1.0 |
| GRNL | CN | 86 | 74 | IAML | | 332 | 41.97 | | | 6 | 0.2 | | | | |
| MORF | HZ | 101 | 131 | EP | | 332 | 33.16 | -.010 | | | | | | | 1.0 |
| MORF | HN | 101 | 131 | ES | | 332 | 44.58 | -.200 | | | | | | | 1.0 |

MORF HN 101 131 IAML 332 45.54 5 0.2

January 8 2023 Hour: 10:44 9.0 Lat: 36.55N Lon: 9.78W Depth: 16F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 131 | 50 | EP | | 1044 | 29.150 | .040 | | | | | | | 1.0 |
| MESJ | HZ | 199 | 44 | EP | | 1044 | 37.56 | -.010 | | | | | | | 1.0 |
| MESJ | HE | 199 | 44 | ES | | 1044 | 58.550 | .090 | | | | | | | 1.0 |
| MESJ | HE | 199 | 44 | IAML | | 1045 | 0.65 | | 2 | 0.1 | | | | | |
| GRNL | CZ | 203 | 32 | EP | | 1044 | 37.98 | -.120 | | | | | | | 1.0 |

January 8 2023 Hour: 12:32 43.0 Lat: 14.94S Lon: 166.88E Depth: 28F Agency: IGL Distant
Magnitudes: 7.1Ms IGL Rms: 0.1 secs

VANUATU Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|------|-------|---|------|--------|-------|-------|------|------|-----|------|------|-----|
| GGNV | BZ17369 | 352 | EP | KPdf | | 1252 | 34.070 | .120 | | | | | | | 1.0 |
| GGNV | BZ17369 | 352 | EPP | | | 1256 | 39.510 | .050 | | | | | | | 1.0 |
| GGNV | BZ17369 | 352 | IAMs | 20 | | 14 | 4 | 39.74 | 36731 | 22.9 | | | | | |
| GRNL | BZ17426 | 351 | EP | KPdf | | 1252 | 34.59 | -.060 | | | | | | | 1.0 |
| GRNL | BZ17426 | 351 | EPP | | | 1256 | 42.20 | -.130 | | | | | | | 1.0 |
| GRNL | BZ17426 | 351 | IAMs | 20 | | 1413 | 11.18 | | 25727 | 19.6 | | | | | |
| MESJ | BZ17449 | 350 | EP | KPdf | | 1252 | 35.030 | .100 | | | | | | | 1.0 |
| MESJ | BZ17449 | 350 | EPP | | | 1256 | 43.650 | .160 | | | | | | | 1.0 |
| MESJ | BZ17449 | 350 | IAMs | 20 | | 14 | 8 | 53.21 | 22291 | 18.0 | | | | | |
| MORF | BZ17515 | 351 | EP | KPdf | | 1252 | 35.58 | -.170 | | | | | | | 1.0 |
| MORF | BZ17515 | 351 | EPP | | | 1256 | 46.75 | -.060 | | | | | | | 1.0 |
| MORF | BZ17515 | 351 | IAMs | 20 | | 1416 | 1.03 | | 27830 | 14.2 | | | | | |

January 8 2023 Hour: 14:57 31.8 Lat: 37.31N Lon: 8.61W Depth: 14F Agency: IGL Regional
Magnitudes: 1.0ML 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 | 257 | EP | | 1457 | 33.88 | -.330 | | | | | | | 1.0 |
| MORF | HE | 4 | 257 | ES | | 1457 | 36.110 | .120 | | | | | | | 1.0 |
| MORF | HE | 4 | 257 | IAML | | 1457 | 36.63 | | 37 | 0.1 | | | | | |
| MESJ | HZ | 68 | 30 | EP | | 1457 | 42.820 | .090 | | | | | | | 1.0 |
| MESJ | HN | 68 | 30 | ES | | 1457 | 50.760 | .050 | | | | | | | 1.0 |
| MESJ | HE | 68 | 30 | IAML | | 1457 | 51.33 | | 5 | 0.1 | | | | | |
| GRNL | CZ | 88 | 2 | EP | | 1457 | 45.990 | .140 | | | | | | | 1.0 |
| GRNL | CE | 88 | 2 | ES | | 1457 | 56.06 | -.060 | | | | | | | 1.0 |
| GRNL | CE | 88 | 2 | IAML | | 1457 | 56.83 | | 11 | 0.2 | | | | | |

January 8 2023 Hour: 18:53 45.3 Lat: 34.90N Lon: 3.89W Depth: 0 Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

MOROCCO Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 508 | 311 | EP | | 1854 | 53.710 | .100 | | | | | | | 1.0 |
| GRNL | CZ | 550 | 312 | EP | | 1854 | 58.60 | -.160 | | | | | | | 1.0 |
| GRNL | CN | 550 | 312 | ES | | 1855 | 52.420 | .060 | | | | | | | 1.0 |
| GRNL | CN | 550 | 312 | IAML | | 1855 | 54.85 | | 6 | 0.2 | | | | | |

January 8 2023 Hour: 19:43 47.5 Lat: 38.80N Lon: 8.40W Depth: 7F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs

NE VENDAS NOVAS, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 78 | 191 | EP | | 1943 | 59.93 | -.170 | | | | | | | 1.0 |
| MESJ | HZ | 107 | 172 | EP | | 1944 | 4.760 | .040 | | | | | | | 1.0 |
| MESJ | HN | 107 | 172 | ES | | 1944 | 17.440 | .140 | | | | | | | 1.0 |

January 8 2023 Hour: 20:12 1.6 Lat: 34.92N Lon: 3.83W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 510 | 311 | EP | | 2013 | 10.10 | -.120 | | | | | | | 1.0 |
| GRNL | CZ | 553 | 311 | EP | | 2013 | 15.490 | .120 | | | | | | | 1.0 |

January 9 2023 Hour: 0:17 31.9 Lat: 35.01N Lon: 3.89W Depth: 11F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 499 | 310 | EP | | 018 | 37.88 | -.110 | | | | | | | 1.0 |
| GRNL | CZ | 542 | 311 | EP | | 018 | 43.250 | .110 | | | | | | | 1.0 |

January 9 2023 Hour: 3:30 15.7 Lat: 38.89N Lon: 13.37W Depth: 30F 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 | 450 | 112 | EP | | 331 | 11.71 | -.010 | | | | | | | 1.0 |

January 9 2023 Hour: 9:9 38.8 Lat: 36.65N Lon: 11.46W Depth: 35F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 260 | 73 | EP | | 910 | 13.87 | -.100 | | | | | | | 1.0 |
| MORF | HE | 260 | 73 | ES | | 910 | 39.59 | -.030 | | | | | | | 1.0 |
| MORF | HN | 260 | 73 | IAML | | 910 | 40.69 | | | 11 | 0.2 | | | | |
| GRNL | CZ | 303 | 57 | EP | | 910 | 19.21 | -.020 | | | | | | | 1.0 |
| MESJ | HE | 317 | 64 | ES | | 910 | 51.780 | .170 | | | | | | | 1.0 |
| MESJ | HE | 317 | 64 | IAML | | 910 | 53.85 | | | 3 | 0.2 | | | | |

January 9 2023 Hour: 17:47 35.1 Lat: 7.05S Lon: 130.04E Depth: 105F Agency: IGL Distant
Magnitudes: 7.6Ms IGL Rms: 0.1 secs

KEPULAUAN BABAR, INDONESIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|------|-------|---|------|--------|-------|------|--------|------|-----|------|------|-----|
| MESJ | BZ14623 | 315 | EPK | Pdf | | 18 6 | 34.780 | .100 | | | | | | | 1.0 |
| MESJ | BZ14623 | 315 | EPP | | | 18 8 | 54.490 | .010 | | | | | | | 1.0 |
| MESJ | BZ14623 | 315 | IAMs | _20 | | 1853 | 39.07 | | | 529000 | 80.1 | | | | |
| GRNL | BZ14636 | 316 | EPK | Pdf | | 18 6 | 34.78 | -.100 | | | | | | | 1.0 |
| GRNL | BZ14636 | 316 | EPP | | | 18 8 | 55.18 | -.020 | | | | | | | 1.0 |
| GRNL | BN14636 | 316 | IAMs | _20 | | 1853 | 51.97 | | | 281000 | 54.4 | | | | |
| GGNV | BZ14647 | 317 | EPK | Pdf | | 18 6 | 35.110 | .060 | | | | | | | 1.0 |
| GGNV | BZ14647 | 317 | EPP | | | 18 8 | 55.82 | -.000 | | | | | | | 1.0 |
| GGNV | BZ14647 | 317 | IAMs | _20 | | 1852 | 59.05 | | | 454000 | 79.6 | | | | |
| MORF | BZ14685 | 315 | EPK | Pdf | | 18 6 | 35.790 | .010 | | | | | | | 1.0 |
| MORF | BZ14685 | 315 | EPP | | | 18 8 | 58.05 | -.060 | | | | | | | 1.0 |
| MORF | BE14685 | 315 | IAMs | _20 | | 1853 | 27.61 | | | 406000 | 70.1 | | | | |

January 9 2023 Hour: 18:24 36.5 Lat: 37.32N Lon: 8.52W Depth: 16F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.0 secs

E MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 12 | 261 | EP | | 1824 | 39.71 | -.000 | | | | | | | 1.0 |
| MORF | HN | 12 | 261 | ES | | 1824 | 42.090 | .000 | | | | | | | 1.0 |
| MORF | HE | 12 | 261 | IAML | | 1824 | 43.08 | | | 41 | 0.1 | | | | |

January 9 2023 Hour: 21:37 44.7 Lat: 39.18N Lon: 9.16W Depth: 0 Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

SE CADAVAL, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 129 | 156 | EP | | 2138 | 5.46 | -.090 | | | | | | | 1.0 |
| GRNL | CN | 129 | 156 | ES | | 2138 | 20.860 | .080 | | | | | | | 1.0 |
| GRNL | CE | 129 | 156 | IAML | | 2138 | 21.95 | | | 5 | 0.2 | | | | |

MESJ HZ 170 151 EP 2138 11.220.010 1.0

**January 10 2023 Hour: 0:44 27.0 Lat: 36.46N Lon: 7.48W Depth: 35F 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 | 140 | 312 | EP | | 044 | 46.99 | -.210 | | | | | | | 1.0 |
| MESJ | HZ | 167 | 337 | EP | | 044 | 50.540 | .100 | | | | | | | 1.0 |
| MESJ | HN | 167 | 337 | ES | | 045 | 7.570 | .000 | | | | | | | 1.0 |
| MESJ | HN | 167 | 337 | IAML | | 045 | 10.29 | | 53 | 0.1 | | | | | |
| GRNL | CZ | 207 | 333 | EP | | 044 | 55.450 | .030 | | | | | | | 1.0 |
| GRNL | CN | 207 | 333 | ES | | 045 | 16.280 | .080 | | | | | | | 1.0 |
| GRNL | CN | 207 | 333 | IAML | | 045 | 16.78 | | 22 | 0.1 | | | | | |

**January 10 2023 Hour: 5:24 48.7 Lat: 15.00S Lon: 167.24E Depth: 110F Agency: IGL Distant
Rms: 0.0 secs**

VANUATU Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ17439 | 352 | EP | KPab | | 545 | 0.670 | .040 | | | | | | | 1.0 |
| MESJ | BZ17462 | 351 | EP | KPab | | 545 | 1.580 | .020 | | | | | | | 1.0 |
| MORF | BZ17528 | 351 | EP | KPab | | 545 | 4.11 | -.060 | | | | | | | 1.0 |

**January 10 2023 Hour: 7:38 31.6 Lat: 39.45N Lon: 26.27E Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs**

WESTERN TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 2990 | 278 | EP | | 744 | 12.69 | -.010 | | | | | | | 1.0 |
| MESJ | BZ | 2990 | 278 | IAMB | | 744 | 18.68 | | 11 | 0.9 | | | | | |
| MORF | BZ | 3042 | 277 | EP | | 744 | 16.980 | .010 | | | | | | | 1.0 |
| MORF | BZ | 3042 | 277 | IAMB | | 744 | 20.81 | | 41 | 1.4 | | | | | |

**January 10 2023 Hour: 7:59 21.2 Lat: 34.52N Lon: 3.67W Depth: 0 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 | 551 | 313 | EP | | 8 0 | 34.61 | -.050 | | | | | | | 1.0 |
| GRNL | CZ | 593 | 314 | EP | | 8 0 | 39.880 | .050 | | | | | | | 1.0 |

**January 10 2023 Hour: 8:36 0.9 Lat: 36.60N Lon: 9.65W Depth: 16F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 118 | 49 | EP | | 836 | 19.49 | -.050 | | | | | | | 1.0 |
| MORF | HN | 118 | 49 | ES | | 836 | 33.190 | .050 | | | | | | | 1.0 |
| MORF | HN | 118 | 49 | IAML | | 836 | 34.82 | | 4 | 0.1 | | | | | |

**January 10 2023 Hour: 11:53 56.7 Lat: 35.00N Lon: 3.93W Depth: 1 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 | 497 | 311 | EP | | 1155 | 3.54 | -.040 | | | | | | | 1.0 |
| GRNL | CZ | 540 | 311 | EP | | 1155 | 8.770 | .040 | | | | | | | 1.0 |

**January 10 2023 Hour: 17:41 31.3 Lat: 36.94N Lon: 8.63W Depth: 20F Agency: IGL Regional
Magnitudes: 0.3ML IGL Rms: 0.0 secs**

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 40 | 357 | EP | | 1741 | 38.37 | -.050 | | | | | | | 1.0 |
| MORF | HN | 40 | 357 | ES | | 1741 | 43.660 | .050 | | | | | | | 1.0 |
| MORF | HN | 40 | 357 | IAML | | 1741 | 44.13 | | 2 | 0.1 | | | | | |

January 10 2023 Hour: 19:42 2.0 Lat: 54.75N Lon: 156.93W Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

SOUTH OF ALASKA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 9286 | 25 | EP | | 1954 | 30.130 | .070 | | | | | | | 1.0 |
| GRNL | BZ | 9286 | 25 | I Amb | | 1954 | 32.10 | | | 27 | 1.1 | | | | |
| MESJ | BZ | 9324 | 24 | EP | | 1954 | 31.850 | .040 | | | | | | | 1.0 |
| MESJ | BZ | 9324 | 24 | I Amb | | 1954 | 32.62 | | | 16 | 1.2 | | | | |
| MORF | BZ | 9369 | 25 | EP | | 1954 | 33.82 | -.110 | | | | | | | 1.0 |
| MORF | BZ | 9369 | 25 | I Amb | | 1954 | 35.36 | | | 21 | 1.0 | | | | |

January 10 2023 Hour: 19:47 14.9 Lat: 27.66S Lon: 63.25W Depth: 576F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.1 secs

SANTIAGO DEL ESTERO, ARGENTINA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 9240 | 40 | EP | | 1958 | 40.55 | -.110 | | | | | | | 1.0 |
| GRNL | BZ | 9240 | 40 | I Amb | | 1958 | 41.82 | | | 64 | 1.5 | | | | |
| MESJ | BZ | 9242 | 41 | EP | | 1958 | 40.880 | .110 | | | | | | | 1.0 |
| MESJ | BZ | 9242 | 41 | I Amb | | 1958 | 42.17 | | | 32 | 1.0 | | | | |

January 10 2023 Hour: 20:25 36.1 Lat: 36.40N Lon: 7.73W Depth: 20F Agency: IGL Regional
Magnitudes: 2.2ML IGL Rms: 0.2 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 130 | 321 | EP | | 2025 | 55.45 | -.340 | | | | | | | 1.0 |
| MORF | HN | 130 | 321 | ES | | 2026 | 10.270 | .080 | | | | | | | 1.0 |
| MORF | HE | 130 | 321 | I AML | | 2026 | 11.31 | | | 24 | 0.2 | | | | |
| MESJ | HZ | 166 | 345 | EP | | 2026 | 0.410 | .210 | | | | | | | 1.0 |
| MESJ | HN | 166 | 345 | ES | | 2026 | 17.970 | .160 | | | | | | | 1.0 |
| MESJ | HN | 166 | 345 | I AML | | 2026 | 19.41 | | | 23 | 0.1 | | | | |
| GRNL | CZ | 204 | 339 | EP | | 2026 | 4.89 | -.040 | | | | | | | 1.0 |
| GRNL | CN | 204 | 339 | ES | | 2026 | 25.93 | -.060 | | | | | | | 1.0 |
| GRNL | CN | 204 | 339 | I AML | | 2026 | 26.54 | | | 41 | 0.1 | | | | |

January 11 2023 Hour: 0:35 29.3 Lat: 37.26N Lon: 9.05W Depth: 30F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

SW ALJEZUR, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 36 | 81 | EP | | 035 | 36.560 | .100 | | | | | | | 1.0 |
| MORF | HN | 36 | 81 | ES | | 035 | 41.740 | .020 | | | | | | | 1.0 |
| MORF | HN | 36 | 81 | I AML | | 035 | 42.50 | | | 16 | 0.1 | | | | |
| MESJ | HZ | 98 | 48 | EP | | 035 | 44.21 | -.030 | | | | | | | 1.0 |
| MESJ | HN | 98 | 48 | ES | | 035 | 55.230 | .040 | | | | | | | 1.0 |
| MESJ | HN | 98 | 48 | I AML | | 035 | 58.87 | | | 1 | 0.1 | | | | |
| GRNL | CZ | 104 | 24 | EP | | 035 | 44.72 | -.230 | | | | | | | 1.0 |
| GRNL | CE | 104 | 24 | ES | | 035 | 56.500 | .090 | | | | | | | 1.0 |
| GRNL | CN | 104 | 24 | I AML | | 035 | 56.75 | | | 2 | 0.1 | | | | |

January 11 2023 Hour: 8:39 53.5 Lat: 14.86S Lon: 166.75E Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

VANUATU Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|-------|-----|-----------------------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 17415 | 351 | EPK P _d f | | 859 | 47.75 | -.140 | | | | | | | 1.0 |
| GRNL | BZ | 17415 | 351 | EPK P _a b | | 9 0 | 17.350 | .110 | | | | | | | 1.0 |
| GRNL | BZ | 17415 | 351 | EPP | | 9 3 | 55.180 | .150 | | | | | | | 1.0 |
| GRNL | BZ | 17415 | 351 | I A M _s 20 | | 1010 | 12.86 | | | 1911 | 24.7 | | | | |
| MESJ | BZ | 17438 | 350 | EPK P _d f | | 859 | 47.99 | -.180 | | | | | | | 1.0 |
| MESJ | BZ | 17438 | 350 | EPK P _a b | | 9 0 | 18.290 | .150 | | | | | | | 1.0 |
| MESJ | BZ | 17438 | 350 | I A M _s 20 | | 1010 | 43.71 | | | 1615 | 18.5 | | | | |
| MORF | BZ | 17504 | 350 | EPK P _d f | | 859 | 48.86 | -.130 | | | | | | | 1.0 |
| MORF | BZ | 17504 | 350 | EPK P _a b | | 9 0 | 20.810 | .040 | | | | | | | 1.0 |
| MORF | BZ | 17504 | 350 | I A M _s 20 | | 1021 | 21.58 | | | 1527 | 15.5 | | | | |

January 11 2023 Hour: 14:11 41.6 Lat: 36.58N Lon: 9.81W Depth: 10F 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 | 130 | 52 | EP | | 1412 | 2.240 | .020 | | | | | | | 1.0 |
| MORF | HE | 130 | 52 | ES | | 1412 | 17.260 | .020 | | | | | | | 1.0 |
| MORF | HN | 130 | 52 | IAML | | 1412 | 18.92 | | | 33 | 0.2 | | | | |
| MESJ | HZ | 198 | 45 | EP | | 1412 | 10.68 | -.050 | | | | | | | 1.0 |
| MESJ | HN | 198 | 45 | ES | | 1412 | 32.070 | .110 | | | | | | | 1.0 |
| MESJ | HE | 198 | 45 | IAML | | 1412 | 32.69 | | | 4 | 0.1 | | | | |
| GRNL | CZ | 202 | 32 | EP | | 1412 | 11.07 | -.100 | | | | | | | 1.0 |

January 11 2023 Hour: 15:10 21.8 Lat: 37.87N Lon: 9.54W Depth: 32F Agency: IGL Regional
Magnitudes: 1.7ML 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 |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 89 | 73 | EP | | 1510 | 35.46 | -.160 | | | | | | | 1.0 |
| GRNL | CN | 89 | 73 | ES | | 1510 | 45.830 | .110 | | | | | | | 1.0 |
| GRNL | CN | 89 | 73 | IAML | | 1510 | 47.41 | | | 16 | 0.1 | | | | |
| MORF | HZ | 101 | 128 | EP | | 1510 | 37.05 | -.000 | | | | | | | 1.0 |
| MORF | HN | 101 | 128 | ES | | 1510 | 48.250 | .050 | | | | | | | 1.0 |
| MORF | HN | 101 | 128 | IAML | | 1510 | 49.59 | | | 17 | 0.1 | | | | |

January 12 2023 Hour: 0:33 22.0 Lat: 36.57N Lon: 11.22W Depth: 28F Agency: IGL Regional
Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 243 | 70 | EP | | 033 | 55.04 | -.080 | | | | | | | 1.0 |
| GRNL | CZ | 290 | 53 | EP | | 034 | 1.070 | .080 | | | | | | | 1.0 |

January 12 2023 Hour: 14:37 38.1 Lat: 38.57N Lon: 8.01W Depth: 12F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

W EVORA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 71 | 224 | EP | | 1437 | 49.43 | -.090 | | | | | | | 1.0 |
| GRNL | CN | 71 | 224 | ES | | 1437 | 57.73 | -.120 | | | | | | | 1.0 |
| GRNL | CN | 71 | 224 | IAML | | 1437 | 58.91 | | | 7 | 0.1 | | | | |
| MESJ | HZ | 83 | 193 | EP | | 1437 | 51.500 | .120 | | | | | | | 1.0 |
| MESJ | HN | 83 | 193 | ES | | 1438 | 1.150 | .090 | | | | | | | 1.0 |
| MESJ | HN | 83 | 193 | IAML | | 1438 | 2.28 | | | 7 | 0.1 | | | | |

January 12 2023 Hour: 22:4 29.2 Lat: 35.70N Lon: 4.66W Depth: 101F 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 | 396 | 308 | EP | | 22 5 | 20.690 | .040 | | | | | | | 1.0 |
| MORF | HZ | 399 | 298 | EP | | 22 5 | 20.84 | -.170 | | | | | | | 1.0 |
| GRNL | CZ | 439 | 309 | EP | | 22 5 | 25.730 | .130 | | | | | | | 1.0 |

January 13 2023 Hour: 0:53 7.6 Lat: 37.14N Lon: 14.40W 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 | 510 | 86 | EP | | 054 | 11.210 | .160 | | | | | | | 1.0 |
| MORF | HN | 510 | 86 | ES | | 054 | 57.28 | -.090 | | | | | | | 1.0 |
| MORF | HN | 510 | 86 | IAML | | 054 | 59.30 | | | 15 | 0.2 | | | | |
| GRNL | CZ | 526 | 76 | EP | | 054 | 12.79 | -.090 | | | | | | | 1.0 |
| GRNL | CE | 526 | 76 | ES | | 055 | 0.49 | -.050 | | | | | | | 1.0 |
| GRNL | CE | 526 | 76 | IAML | | 055 | 5.75 | | | 31 | 0.2 | | | | |
| MESJ | HZ | 552 | 80 | EP | | 054 | 16.170 | .070 | | | | | | | 1.0 |

January 13 2023 Hour: 1:39 53.9 Lat: 38.15N Lon: 8.29W Depth: 2F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

NW FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 25 | 258 | EP | | 139 | 57.86 | -.090 | | | | | | | 1.0 |
| GRNL | CN | 25 | 258 | ES | | 140 | 0.900 | .030 | | | | | | | 1.0 |
| GRNL | CN | 25 | 258 | IAML | | 140 | 1.10 | | | 41 | 0.1 | | | | |
| MESJ | HZ | 36 | 170 | EP | | 139 | 59.720 | .040 | | | | | | | 1.0 |
| MESJ | HE | 36 | 170 | ES | | 140 | 3.84 | -.030 | | | | | | | 1.0 |
| MESJ | HN | 36 | 170 | IAML | | 140 | 4.07 | | | 9 | 0.1 | | | | |
| MORF | HE | 100 | 199 | ES | | 140 | 21.770 | .050 | | | | | | | 1.0 |
| MORF | HN | 100 | 199 | IAML | | 140 | 22.61 | | | 13 | 0.2 | | | | |

January 13 2023 Hour: 2:19 27.7 Lat: 38.00N Lon: 9.56W Depth: 4F Agency: IGL Regional
Magnitudes: 1.2ML 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 |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 88 | 82 | EP | | 219 | 42.020 | .050 | | | | | | | 1.0 |
| GRNL | CN | 88 | 82 | ES | | 219 | 52.14 | -.230 | | | | | | | 1.0 |
| GRNL | CN | 88 | 82 | IAML | | 219 | 53.24 | | | 6 | 0.2 | | | | |
| MORF | HZ | 111 | 133 | EP | | 219 | 45.820 | .110 | | | | | | | 1.0 |
| MORF | HN | 111 | 133 | ES | | 219 | 58.880 | .050 | | | | | | | 1.0 |
| MORF | HN | 111 | 133 | IAML | | 219 | 59.53 | | | 5 | 0.1 | | | | |
| MESJ | HZ | 119 | 98 | EP | | 219 | 46.980 | .020 | | | | | | | 1.0 |

January 13 2023 Hour: 8:12 4.2 Lat: 36.37N Lon: 8.68W Depth: 8F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 104 | 1 | EP | | 812 | 20.910 | .020 | | | | | | | 1.0 |
| MORF | HN | 104 | 1 | ES | | 812 | 33.06 | -.020 | | | | | | | 1.0 |
| MORF | HN | 104 | 1 | IAML | | 812 | 34.72 | | | 6 | 0.1 | | | | |

January 13 2023 Hour: 14:48 20.2 Lat: 38.40N Lon: 8.09W Depth: 7F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

NW VIANA DO ALENTEJO, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 53 | 233 | EP | | 1448 | 28.800 | .060 | | | | | | | 1.0 |
| GRNL | CN | 53 | 233 | ES | | 1448 | 35.050 | .050 | | | | | | | 1.0 |
| GRNL | CN | 53 | 233 | IAML | | 1448 | 35.99 | | | 2 | 0.1 | | | | |
| MESJ | HE | 63 | 190 | ES | | 1448 | 37.71 | -.120 | | | | | | | 1.0 |

January 14 2023 Hour: 4:42 23.6 Lat: 36.71N Lon: 7.97W Depth: 28F 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 | 90 | 318 | EP | | 442 | 37.51 | -.190 | | | | | | | 1.0 |
| MESJ | HZ | 128 | 350 | EP | | 442 | 42.410 | .050 | | | | | | | 1.0 |
| MESJ | HN | 128 | 350 | ES | | 442 | 56.190 | .110 | | | | | | | 1.0 |
| MESJ | HN | 128 | 350 | IAML | | 442 | 57.30 | | | 4 | 0.1 | | | | |
| GRNL | CZ | 164 | 341 | EP | | 442 | 46.910 | .010 | | | | | | | 1.0 |
| GRNL | CN | 164 | 341 | ES | | 443 | 3.970 | .020 | | | | | | | 1.0 |
| GRNL | CN | 164 | 341 | IAML | | 443 | 4.76 | | | 6 | | | | | |

January 15 2023 Hour: 0: 4 22.9 Lat: 36.81N Lon: 10.97W Depth: 40F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 213 | 75 | EP | | 0 4 | 52.440 | .180 | | | | | | | 1.0 |
| MORF | HN | 213 | 75 | ES | | 0 5 | 13.54 | -.110 | | | | | | | 1.0 |
| MORF | HE | 213 | 75 | IAML | | 0 5 | 14.74 | | | 2 | 0.2 | | | | |
| GRNL | CZ | 257 | 55 | EP | | 0 4 | 57.43 | -.150 | | | | | | | 1.0 |
| GRNL | CN | 257 | 55 | ES | | 0 5 | 22.920 | .070 | | | | | | | 1.0 |

GRNL CN 257 55 IAML 0 5 24.61 3 0.3

January 15 2023 Hour: 2:40 7.3 Lat: 36.91N Lon: 9.49W Depth: 22F 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 | 86 | 59 | EP | | 240 | 21.140 | .100 | | | | | | | 1.0 |
| MESJ | HZ | 152 | 47 | EP | | 240 | 29.42 | -.120 | | | | | | | 1.0 |
| MESJ | HN | 152 | 47 | ES | | 240 | 45.78 | -.030 | | | | | | | 1.0 |
| GRNL | CZ | 156 | 31 | EP | | 240 | 29.84 | -.100 | | | | | | | 1.0 |
| GRNL | CN | 156 | 31 | ES | | 240 | 46.640 | .140 | | | | | | | 1.0 |
| GRNL | CN | 156 | 31 | IAML | | 240 | 47.75 | | | 7 | 0.1 | | | | |

January 15 2023 Hour: 12: 4 18.1 Lat: 14.95S Lon: 166.89E Depth: 29F Agency: IGL Distant
Rms: 0.1 secs

VANUATU Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ17427 | 351 | EP | KPab | | 1224 | 39.23 | -.140 | | | | | | | 1.0 |
| MESJ | BZ17450 | 350 | EP | KPab | | 1224 | 40.340 | .060 | | | | | | | 1.0 |
| MESJ | BZ17450 | 350 | EPP | | | 1228 | 18.49 | -.020 | | | | | | | 1.0 |
| MORF | BZ17516 | 351 | EP | KPab | | 1224 | 42.87 | -.030 | | | | | | | 1.0 |
| MORF | BZ17516 | 351 | EPP | | | 1228 | 21.960 | .130 | | | | | | | 1.0 |

January 15 2023 Hour: 18:36 28.3 Lat: 38.06N Lon: 7.47W Depth: 1 Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs

S MOURA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 71 | 249 | EP | | 1836 | 39.61 | -.070 | | | | | | | 1.0 |
| MESJ | HN | 71 | 249 | ES | | 1836 | 48.020 | .010 | | | | | | | 1.0 |
| MESJ | HN | 71 | 249 | IAML | | 1836 | 49.14 | | | 10 | 0.1 | | | | |
| GRNL | CZ | 97 | 273 | EP | | 1836 | 43.79 | -.090 | | | | | | | 1.0 |
| GRNL | CE | 97 | 273 | ES | | 1836 | 55.470 | .200 | | | | | | | 1.0 |
| GRNL | CN | 97 | 273 | IAML | | 1836 | 57.44 | | | 64 | 0.1 | | | | |
| MORF | HZ | 134 | 231 | EP | | 1836 | 49.86 | -.040 | | | | | | | 1.0 |

January 15 2023 Hour: 19:41 47.7 Lat: 37.90N Lon: 9.48W Depth: 26F Agency: IGL Regional
Magnitudes: 1.2ML 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 84 | 74 | EP | | 1942 | 1.250 | .160 | | | | | | | 1.0 |
| GRNL | CN | 84 | 74 | ES | | 1942 | 10.77 | -.080 | | | | | | | 1.0 |
| GRNL | CN | 84 | 74 | IAML | | 1942 | 11.79 | | | 4 | 0.1 | | | | |
| MORF | HZ | 99 | 132 | EP | | 1942 | 3.150 | .050 | | | | | | | 1.0 |
| MORF | HN | 99 | 132 | ES | | 1942 | 14.19 | -.140 | | | | | | | 1.0 |
| MORF | HE | 99 | 132 | IAML | | 1942 | 15.07 | | | 10 | 0.2 | | | | |

January 15 2023 Hour: 22:29 58.3 Lat: 2.00N Lon: 98.01E Depth: 37F Agency: IGL Distant
Magnitudes: 5.6Ms IGL Rms: 0.1 secs

NORTHERN SUMATRA, INDONESIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|---------|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ11303 | 309 | EPP | | | 2247 | 56.330 | .040 | | | | | | | 1.0 |
| MESJ | BZ11303 | 309 | IAMs_20 | | | 2331 | 7.73 | | | 598 | 23.0 | | | | |
| GRNL | BZ11327 | 309 | EP | dif | | 2243 | 47.080 | .040 | | | | | | | 1.0 |
| GRNL | BZ11327 | 309 | EPP | | | 2247 | 57.940 | .040 | | | | | | | 1.0 |
| GRNL | BZ11327 | 309 | IAMs_20 | | | 2331 | 58.98 | | | 4613 | 33.5 | | | | |
| MORF | BZ11353 | 309 | EPP | | | 2247 | 59.57 | -.120 | | | | | | | 1.0 |
| MORF | BZ11353 | 309 | IAMs_20 | | | 2330 | 45.20 | | | 3393 | 20.1 | | | | |

January 16 2023 Hour: 7:40 56.9 Lat: 38.77N Lon: 9.66W Depth: 8F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

NW CASCAIS, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GGNV | HZ | 45 | 97 | EP | | 741 | 4.340 | .080 | | | | | | | 1.0 |
| GGNV | HE | 45 | 97 | ES | | 741 | 9.730 | .090 | | | | | | | 1.0 |
| GGNV | HN | 45 | 97 | IAML | | 741 | 10.55 | | 1235 | 0.2 | | | | | |
| GRNL | CZ | 120 | 127 | EP | | 741 | 16.100 | .090 | | | | | | | 1.0 |
| GRNL | CN | 120 | 127 | ES | | 741 | 29.86 | -.090 | | | | | | | 1.0 |
| GRNL | CN | 120 | 127 | IAML | | 741 | 31.89 | | 133 | 0.3 | | | | | |
| MESJ | HZ | 163 | 129 | EP | | 741 | 21.780 | .020 | | | | | | | 0.9 |
| MESJ | HN | 163 | 129 | ES | | 741 | 39.960 | .040 | | | | | | | 0.9 |
| MESJ | HN | 163 | 129 | IAML | | 741 | 45.72 | | 4 | 0.0 | | | | | |
| MORF | HZ | 185 | 151 | EP | | 741 | 24.49 | -.060 | | | | | | | 0.9 |
| MORF | HN | 185 | 151 | ES | | 741 | 44.53 | -.200 | | | | | | | 0.9 |
| MORF | HN | 185 | 151 | IAML | | 741 | 48.23 | | 61 | 0.2 | | | | | |

January 16 2023 Hour: 15:2 32.0 Lat: 38.33N Lon: 9.26W Depth: 27F Agency: IGL Regional
Magnitudes: 1.2ML IGL Rms: 0.1 secs

SW SESIMBRA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 65 | 112 | EP | | 15 2 | 42.830 | .010 | | | | | | | 1.0 |
| GRNL | CN | 65 | 112 | ES | | 15 2 | 50.830 | .150 | | | | | | | 1.0 |
| GRNL | CN | 65 | 112 | IAML | | 15 2 | 51.71 | | 11 | 0.1 | | | | | |
| MESJ | HE | 106 | 121 | ES | | 15 3 | 0.050 | .060 | | | | | | | 1.0 |
| MORF | HZ | 125 | 155 | EP | | 15 2 | 50.44 | -.230 | | | | | | | 1.0 |

January 16 2023 Hour: 16:47 25.7 Lat: 38.01N Lon: 9.53W Depth: 1 Agency: IGL Regional
Magnitudes: 1.3ML 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 |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 85 | 82 | EP | | 1647 | 39.550 | .080 | | | | | | | 1.0 |
| GRNL | CE | 85 | 82 | ES | | 1647 | 49.560 | .050 | | | | | | | 1.0 |
| GRNL | CN | 85 | 82 | IAML | | 1647 | 50.84 | | 6 | 0.1 | | | | | |
| MORF | HZ | 110 | 135 | EP | | 1647 | 43.27 | -.170 | | | | | | | 1.0 |
| MORF | HN | 110 | 135 | ES | | 1647 | 56.400 | .030 | | | | | | | 1.0 |
| MORF | HN | 110 | 135 | IAML | | 1647 | 57.00 | | 9 | 0.1 | | | | | |

January 17 2023 Hour: 2:42 57.9 Lat: 38.01N Lon: 9.54W Depth: 4F 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 |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 86 | 82 | EP | | 243 | 11.73 | -.090 | | | | | | | 1.0 |
| GRNL | CN | 86 | 82 | ES | | 243 | 21.92 | -.020 | | | | | | | 1.0 |
| GRNL | CN | 86 | 82 | IAML | | 243 | 24.20 | | 73 | 0.1 | | | | | |
| MORF | HZ | 110 | 135 | EP | | 243 | 15.58 | -.170 | | | | | | | 1.0 |
| MORF | HE | 110 | 135 | ES | | 243 | 28.870 | .120 | | | | | | | 1.0 |
| MORF | HE | 110 | 135 | IAML | | 243 | 29.96 | | 90 | 0.1 | | | | | |
| MESJ | HZ | 117 | 99 | EP | | 243 | 16.77 | -.090 | | | | | | | 1.0 |
| MESJ | HN | 117 | 99 | ES | | 243 | 30.910 | .250 | | | | | | | 1.0 |
| MESJ | HN | 117 | 99 | IAML | | 243 | 32.37 | | 5 | 0.1 | | | | | |

January 17 2023 Hour: 18:33 19.6 Lat: 35.92N Lon: 10.39W Depth: 23F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 219 | 45 | EP | | 1833 | 50.520 | .170 | | | | | | | 1.0 |
| MORF | HE | 219 | 45 | ES | | 1834 | 12.810 | .010 | | | | | | | 1.0 |
| MORF | HN | 219 | 45 | IAML | | 1834 | 13.44 | | 13 | 0.2 | | | | | |
| MESJ | HZ | 288 | 42 | EP | | 1833 | 58.90 | -.010 | | | | | | | 1.0 |
| GRNL | CZ | 292 | 33 | EP | | 1833 | 59.31 | -.120 | | | | | | | 1.0 |
| GRNL | CN | 292 | 33 | ES | | 1834 | 28.45 | -.070 | | | | | | | 1.0 |
| GRNL | CN | 292 | 33 | IAML | | 1834 | 30.35 | | 5 | 0.1 | | | | | |

January 18 2023 Hour: 0:34 46.4 Lat: -0.00S Lon: 123.18E Depth:153F Agency: IGL Distant
MINAHASA, SULAWESI, INDONESIA Net: NEIC
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ13534 316 EPKPdf 053 21.69 0.11 1.0
 GRNL BZ13546 316 EPKPdf 053 21.66-0.12 1.0
 GGNV BZ13558 317 EPKPdf 053 21.83-0.13 1.0
 MORF BZ13596 315 EPKPdf 053 22.83 0.14 1.0

January 18 2023 Hour: 6: 6 16.2 Lat: 2.72N Lon: 127.05E Depth: 41F Agency: IGL Distant
Magnitudes: 7.2Ms IGL Rms: 0.1 secs
MOLUCCA SEA Net: GFZ
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MESJ BZ13605 319 EPKPdf 625 6.19-.100 1.0
 MESJ BZ13605 319 EPP 626 41.990.070 1.0
 MESJ BN13605 319 ESS 643 19.76-.030 1.0
 GRNL BZ13613 319 EPKPdf 625 6.440.020 1.0
 GRNL BZ13613 319 EPP 626 42.32-.120 1.0
 GRNL BE13613 319 ESS 643 20.840.070 1.0
 GRNL BE13613 319 IAMs_20 710 56.36 70899 31.5
 GGNV BZ13617 320 EPKPdf 625 6.37-.090 1.0
 GGNV BZ13617 320 EPP 626 42.650.030 1.0
 GGNV BE13617 320 IAMs_20 711 37.01 94960 35.7
 MORF BZ13670 319 EPKPdf 625 7.550.100 1.0
 MORF BZ13670 319 EPP 626 45.84-.090 1.0
 MORF BN13670 319 ESS 643 27.440.150 1.0
 MORF BN13670 319 IAMs_20 711 19.11 61100 17.4

January 18 2023 Hour: 8: 8 25.1 Lat: 35.55N Lon: 3.66W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs
STRAIT OF GIBRALTAR Net: MAD
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 GRNL CZ 521 304 EP 8 9 35.02-.000 1.0

January 18 2023 Hour: 14: 4 11.3 Lat: 37.31N Lon: 8.55W Depth: 14F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs
SE MONCHIQUE, PORTUGAL Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 9 269 EP 14 4 13.88-.170 1.0
 MORF HN 9 269 ES 14 4 16.090.010 1.0
 MORF HN 9 269 IAML 14 4 16.53 19 0.1
 GRNL CN 89 359 ES 14 4 35.970.170 1.0
 GRNL CN 89 359 IAML 14 4 37.40 10 0.1

January 18 2023 Hour: 23:58 19.1 Lat: 36.50N Lon: 9.89W Depth: 36F Agency: IGL Regional
Magnitudes: 1.7ML IGL Rms: 0.1 secs
WEST OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 142 51 EP 2358 39.570.080 1.0
 MORF HE 142 51 ES 2358 54.480.090 1.0
 MORF HN 142 51 IAML 2358 57.70 42 0.1
 MESJ HZ 210 44 EP 2358 47.91-.000 1.0
 MESJ HN 210 44 ES 2359 8.93-.040 1.0
 MESJ HN 210 44 IAML 2359 11.77 2 0.0
 GRNL CZ 214 33 EP 2358 48.20-.150 1.0

January 19 2023 Hour: 10:42 56.8 Lat: 36.71N Lon: 6.92W Depth: 31F Agency: IGL Regional
Magnitudes: 3.4ML IGL Rms: 0.2 secs
STRAIT OF GIBRALTAR Net: IMP
 STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT
 MORF HZ 168 293 EP 1043 19.57-.090 1.0
 MORF HN 168 293 ES 1043 36.600.220 1.0
 MORF HN 168 293 IAML 1043 39.12 349 0.2
 MESJ HZ 170 318 EP 1043 19.81-.110 1.0

| | | | | | | | | | | | | | | | | | |
|------|----|-----|-----|------|--|------|-------|-------|--|-----|-----|--|--|--|--|--|-----|
| MESJ | HN | 170 | 318 | ES | | 1043 | 36.82 | -.010 | | | | | | | | | 1.0 |
| GRNL | CZ | 213 | 317 | EP | | 1043 | 25.04 | -.190 | | | | | | | | | 1.0 |
| GRNL | CN | 213 | 317 | ES | | 1043 | 45.94 | -.070 | | | | | | | | | 1.0 |
| GRNL | CN | 213 | 317 | IAML | | 1043 | 47.08 | | | 257 | 0.1 | | | | | | |
| GGNV | HE | 297 | 319 | ES | | 1044 | 4.300 | .270 | | | | | | | | | 0.9 |
| GGNV | HN | 297 | 319 | IAML | | 1044 | 6.92 | | | 148 | 0.3 | | | | | | |

January 19 2023 Hour: 15:40 58.4 Lat: 36.59N Lon: 11.12W Depth: 33F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 234 | 69 | EP | | 1541 | 30.08 | -.200 | | | | | | | 1.0 |
| MORF | HN | 234 | 69 | ES | | 1541 | 53.47 | -.050 | | | | | | | 1.0 |
| MORF | HN | 234 | 69 | IAML | | 1541 | 57.51 | | | 35 | 0.2 | | | | |
| GRNL | CZ | 282 | 52 | EP | | 1541 | 36.17 | -.080 | | | | | | | 1.0 |
| GRNL | CN | 282 | 52 | ES | | 1542 | 3.940 | .090 | | | | | | | 1.0 |
| GRNL | CN | 282 | 52 | IAML | | 1542 | 6.19 | | | 38 | 0.2 | | | | |
| MESJ | HZ | 293 | 61 | EP | | 1541 | 37.560 | .010 | | | | | | | 1.0 |
| MESJ | HN | 293 | 61 | ES | | 1542 | 6.330 | .230 | | | | | | | 1.0 |

January 20 2023 Hour: 8:38 39.9 Lat: 37.07N Lon: 8.38W Depth: 21F 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 | 36 | 317 | EP | | 838 | 46.36 | -.020 | | | | | | | 1.0 |
| MORF | HE | 36 | 317 | ES | | 838 | 51.170 | .020 | | | | | | | 1.0 |
| MORF | HE | 36 | 317 | IAML | | 838 | 51.65 | | | 46 | 0.1 | | | | |

January 20 2023 Hour: 11:23 41.2 Lat: 16.13N Lon: 62.16W Depth:166FAgency: IGL Distant
Magnitudes: 6.0Mb IGL Rms: 0.1 secs

GUADELOUPE REGION, LEEWARD ISLANDS Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ | 5716 | 53 | EP | | 1132 | 28.740 | .010 | | | | | | | 1.0 |
| GGNV | BZ | 5716 | 53 | IAmb | | 1132 | 31.31 | | | 397 | 1.2 | | | | |
| MORF | BZ | 5732 | 55 | EP | | 1132 | 30.060 | .170 | | | | | | | 1.0 |
| MORF | BZ | 5732 | 55 | IAmb | | 1132 | 32.58 | | | 372 | 0.7 | | | | |
| GRNL | BZ | 5754 | 54 | EP | | 1132 | 31.12 | -.170 | | | | | | | 1.0 |
| GRNL | BZ | 5754 | 54 | IAmb | | 1132 | 33.52 | | | 350 | 1.1 | | | | |
| MESJ | BZ | 5780 | 54 | EP | | 1132 | 32.98 | -.010 | | | | | | | 1.0 |

January 20 2023 Hour: 22: 9 38.9 Lat: 26.76S Lon: 63.16W Depth:587FAgency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.2 secs

SANTIAGO DEL ESTERO, ARGENTINA Net: GFZ

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 9093 | 41 | EP | | 2220 | 56.75 | -.360 | | | | | | | 1.0 |
| MORF | BZ | 9093 | 41 | IAmb | | 2220 | 58.63 | | | 204 | 0.9 | | | | |
| MORF | BZ | 9093 | 41 | EpP | | 2223 | 1.660 | .360 | | | | | | | 1.0 |
| MORF | BZ | 9093 | 41 | EsP | | 2224 | 0.99 | -.150 | | | | | | | 1.0 |
| GRNL | BZ | 9159 | 40 | EP | | 2220 | 59.89 | -.130 | | | | | | | 1.0 |
| GRNL | BZ | 9159 | 40 | IAmb | | 2221 | 0.81 | | | 349 | 0.9 | | | | |
| GRNL | BZ | 9159 | 40 | EpP | | 2223 | 4.820 | .340 | | | | | | | 1.0 |
| GRNL | BZ | 9159 | 40 | EsP | | 2224 | 4.12 | -.080 | | | | | | | 1.0 |
| MESJ | BZ | 9161 | 41 | EP | | 2220 | 59.89 | -.260 | | | | | | | 1.0 |
| MESJ | BZ | 9161 | 41 | EpP | | 2223 | 4.950 | .340 | | | | | | | 1.0 |
| MESJ | BZ | 9161 | 41 | EsP | | 2224 | 4.430 | .100 | | | | | | | 1.0 |
| GGNV | BZ | 9168 | 40 | EP | | 2221 | 0.17 | -.220 | | | | | | | 1.0 |
| GGNV | BZ | 9168 | 40 | IAmb | | 2221 | 3.43 | | | 742 | 1.2 | | | | |
| GGNV | BZ | 9168 | 40 | EpP | | 2223 | 4.970 | .080 | | | | | | | 1.0 |

January 20 2023 Hour: 23:21 14.7 Lat: 37.31N Lon: 8.55W Depth: 15F Agency: IGL Regional
Magnitudes: 0.6ML IGL Rms: 0.1 secs
SE MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 9 | 264 | EP | | 2321 | 17.52 | -.070 | | | | | | | 1.0 |
| MORF | HE | 9 | 264 | ES | | 2321 | 19.750 | .070 | | | | | | | 1.0 |
| MORF | HN | 9 | 264 | IAML | | 2321 | 20.78 | | | 18 | 0.2 | | | | |

January 21 2023 Hour: 0:32 57.7 Lat: 35.74N Lon: 10.09W Depth: 31F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 216 | 36 | EP | | 033 | 26.670 | .170 | | | | | | | 1.0 |
| MORF | HE | 216 | 36 | ES | | 033 | 47.43 | -.130 | | | | | | | 1.0 |
| MORF | HE | 216 | 36 | IAML | | 033 | 49.46 | | | 52 | 0.1 | | | | |
| MESJ | HZ | 286 | 35 | EP | | 033 | 35.350 | .130 | | | | | | | 1.0 |
| GRNL | CZ | 295 | 27 | EP | | 033 | 36.13 | -.210 | | | | | | | 1.0 |
| GRNL | CN | 295 | 27 | ES | | 034 | 4.630 | .040 | | | | | | | 1.0 |
| GRNL | CN | 295 | 27 | IAML | | 034 | 6.54 | | | 11 | 0.2 | | | | |

January 21 2023 Hour: 6:54 10.9 Lat: 36.98N Lon: 8.73W Depth: 19F 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 | 36 | 11 | EP | | 654 | 17.31 | -.130 | | | | | | | 1.0 |
| MORF | HE | 36 | 11 | ES | | 654 | 22.310 | .120 | | | | | | | 1.0 |
| MORF | HE | 36 | 11 | IAML | | 654 | 22.81 | | | 22 | 0.2 | | | | |
| MESJ | HZ | 105 | 25 | EP | | 654 | 27.690 | .120 | | | | | | | 1.0 |
| MESJ | HE | 105 | 25 | ES | | 654 | 39.62 | -.100 | | | | | | | 1.0 |

January 21 2023 Hour: 9:49 18.8 Lat: 37.32N Lon: 8.49W Depth: 11F Agency: IGL Regional
Magnitudes: 1.3ML 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 | 14 | 261 | EP | | 949 | 21.64 | -.170 | | | | | | | 1.0 |
| MORF | HN | 14 | 261 | ES | | 949 | 24.040 | .060 | | | | | | | 1.0 |
| MORF | HN | 14 | 261 | IAML | | 949 | 24.65 | | | 84 | 0.1 | | | | |
| MESJ | HZ | 62 | 23 | EP | | 949 | 29.030 | .050 | | | | | | | 1.0 |
| GRNL | CZ | 87 | 356 | EP | | 949 | 32.860 | .060 | | | | | | | 1.0 |

January 21 2023 Hour: 19:20 28.3 Lat: 57.44N Lon: 33.22W Depth: 10F Agency: IGL Distant
Magnitudes: 4.7Ms IGL Rms: 0.1 secs
REYKJANES RIDGE Net: GFZ

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 2842 | 129 | EP | | 1925 | 57.33 | -.110 | | | | | | | 1.0 |
| MORF | BZ | 2873 | 131 | EP | | 1926 | 0.110 | .110 | | | | | | | 1.0 |
| MORF | BZ | 2873 | 131 | IAMs_20 | | 1934 | 42.86 | | | 2975 | 25.5 | | | | |

January 21 2023 Hour: 19:49 28.9 Lat: 57.40N Lon: 33.38W Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.1 secs
REYKJANES RIDGE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ | 2721 | 129 | EP | | 1954 | 48.080 | .030 | | | | | | | 1.0 |
| GGNV | BZ | 2721 | 129 | IAMB | | 1954 | 53.95 | | | 581 | 1.5 | | | | |
| GRNL | BZ | 2806 | 129 | EP | | 1954 | 55.030 | .070 | | | | | | | 1.0 |
| GRNL | BZ | 2806 | 129 | IAMB | | 1955 | 2.34 | | | 691 | 2.3 | | | | |
| MESJ | BZ | 2847 | 129 | EP | | 1954 | 58.29 | -.080 | | | | | | | 1.0 |
| MORF | BZ | 2877 | 130 | EP | | 1955 | 0.88 | -.020 | | | | | | | 1.0 |
| MORF | BZ | 2877 | 130 | IAMB | | 1955 | 4.89 | | | 539 | 2.0 | | | | |

January 21 2023 Hour: 21:53 32.4 Lat: 35.40N Lon: 3.63W Depth: 12F 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 | 492 | 305 | EP | | 2154 | 37.40 | -.040 | | | | | | | 1.0 |
| MORF | HZ | 498 | 297 | EP | | 2154 | 38.20 | -.020 | | | | | | | 1.0 |
| GRNL | CZ | 534 | 306 | EP | | 2154 | 42.580 | .070 | | | | | | | 1.0 |

January 21 2023 Hour: 21:55 21.9 Lat: 35.66N Lon: 9.87W Depth: 28F Agency: IGL Regional
Magnitudes: 1.9ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 213 | 31 | EP | | 2155 | 51.28 | -.030 | | | | | | | 1.0 |
| MORF | HE | 213 | 31 | ES | | 2156 | 12.890 | .100 | | | | | | | 1.0 |
| MORF | HE | 213 | 31 | IAML | | 2156 | 15.58 | | | 8 | 0.2 | | | | |
| MESJ | HZ | 284 | 31 | EP | | 2156 | 0.160 | .110 | | | | | | | 1.0 |
| GRNL | CZ | 296 | 23 | EP | | 2156 | 1.36 | -.200 | | | | | | | 1.0 |

January 21 2023 Hour: 21:59 51.0 Lat: 36.91N Lon: 7.30W Depth: 31F 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 | 128 | 290 | EP | | 22 0 | 8.78 | -.130 | | | | | | | 1.0 |
| MORF | HN | 128 | 290 | ES | | 22 0 | 21.96 | -.010 | | | | | | | 1.0 |
| MORF | HN | 128 | 290 | IAML | | 22 0 | 23.91 | | | 334 | 0.2 | | | | |
| MESJ | HZ | 131 | 322 | EP | | 22 0 | 9.370 | .060 | | | | | | | 1.0 |
| GRNL | CZ | 174 | 320 | EP | | 22 0 | 14.660 | .080 | | | | | | | 1.0 |

January 21 2023 Hour: 22:35 30.6 Lat: 57.37N Lon: 33.42W Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

REYKJANES RIDGE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ | 2721 | 129 | EP | | 2240 | 49.70 | -.050 | | | | | | | 1.0 |
| GGNV | BZ | 2721 | 129 | IAMB | | 2240 | 54.36 | | | 609 | 1.8 | | | | |
| GRNL | BZ | 2805 | 129 | EP | | 2240 | 56.61 | -.050 | | | | | | | 1.0 |
| GRNL | BZ | 2805 | 129 | IAMB | | 2241 | 2.52 | | | 324 | 2.0 | | | | |
| MESJ | BZ | 2847 | 129 | EP | | 2241 | 0.130 | .060 | | | | | | | 1.0 |
| MORF | BZ | 2877 | 130 | EP | | 2241 | 2.630 | .040 | | | | | | | 1.0 |
| MORF | BZ | 2877 | 130 | IAMB | | 2241 | 8.44 | | | 60 | 1.0 | | | | |

January 22 2023 Hour: 8:51 57.3 Lat: 38.27N Lon: 8.98W Depth: 22F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

SE SESIMBRA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 40 | 116 | EP | | 852 | 4.42 | -.110 | | | | | | | 1.0 |
| GRNL | CN | 40 | 116 | ES | | 852 | 9.900 | .110 | | | | | | | 1.0 |
| GRNL | CN | 40 | 116 | IAML | | 852 | 10.26 | | | 7 | 0.1 | | | | |

January 22 2023 Hour: 13:50 47.4 Lat: 37.08N Lon: 8.84W Depth: 19F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 30 | 34 | EP | | 1350 | 52.92 | -.110 | | | | | | | 1.0 |
| MORF | HE | 30 | 34 | ES | | 1350 | 57.280 | .110 | | | | | | | 1.0 |
| MORF | HN | 30 | 34 | IAML | | 1350 | 58.45 | | | 9 | 0.1 | | | | |

January 23 2023 Hour: 6:21 52.8 Lat: 37.30N Lon: 8.57W Depth: 10F Agency: IGL Regional
Magnitudes: 0.9ML 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 | 7 | 271 | EP | | 621 | 54.72 | -.150 | | | | | | | 1.0 |
| MORF | HE | 7 | 271 | ES | | 621 | 56.530 | .160 | | | | | | | 1.0 |
| MORF | HN | 7 | 271 | IAML | | 621 | 57.34 | | | 41 | 0.1 | | | | |

GRNL CN 89 0 ES 622 17.58-.020 1.0
 GRNL CN 89 0 IAML 622 19.73 6 0.2

**January 23 2023 Hour: 7:57 38.9 Lat: 37.51N Lon: 9.18W Depth: 28F Agency: IGL Regional
 Magnitudes: 1.6ML IGL Rms: 0.0 secs**

NW ALJEZUR, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MORF | HZ | 52 | 116 | EP | | 757 | 48.030 | .030 | | | | | | | 1.0 |
| MORF | HE | 52 | 116 | ES | | 757 | 54.61- | .030 | | | | | | | 1.0 |
| MORF | HN | 52 | 116 | IAML | | 757 | 55.91 | | 49 | 0.1 | | | | | |
| GRNL | CZ | 85 | 39 | EP | | 757 | 52.480 | .040 | | | | | | | 1.0 |
| GRNL | CN | 85 | 39 | ES | | 758 | 2.27- | .040 | | | | | | | 1.0 |
| GRNL | CN | 85 | 39 | IAML | | 758 | 4.30 | | 12 | 0.2 | | | | | |

**January 23 2023 Hour: 10:37 53.7 Lat: 35.00N Lon: 14.21E Depth: 10F Agency: IGL Distant
 Magnitudes: 4.4Ms IGL Rms: 0.1 secs**

MALTA REGION Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 2031 | 285 | EP | | 1042 | 7.320 | .040 | | | | | | | 1.0 |
| MESJ | BN | 2031 | 285 | ES | | 1045 | 32.18- | .070 | | | | | | | 1.0 |
| GRNL | BZ | 2063 | 286 | EP | | 1042 | 10.650 | .070 | | | | | | | 1.0 |
| GRNL | BE | 2063 | 286 | ES | | 1045 | 39.340 | .170 | | | | | | | 1.0 |
| GRNL | BZ | 2063 | 286 | IAMs_20 | | 1052 | 22.28 | | 1436 | 12.2 | | | | | |
| MORF | BZ | 2068 | 284 | EP | | 1042 | 10.93- | .220 | | | | | | | 1.0 |
| MORF | BZ | 2068 | 284 | IAMs_20 | | 1051 | 55.60 | | 1374 | 15.2 | | | | | |

**January 23 2023 Hour: 14:50 12.2 Lat: 37.38N Lon: 8.58W Depth: 17F Agency: IGL Regional
 Magnitudes: 1.0ML 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 | 11 | 215 | EP | | 1450 | 15.630 | .120 | | | | | | | 1.0 |
| MORF | HN | 11 | 215 | ES | | 1450 | 17.78- | .120 | | | | | | | 1.0 |
| MORF | HN | 11 | 215 | IAML | | 1450 | 18.55 | | 36 | 0.1 | | | | | |

**January 24 2023 Hour: 3:31 49.5 Lat: 37.35N Lon: 8.56W Depth: 11F Agency: IGL Regional
 Magnitudes: 0.1ML IGL Rms: 0.0 secs**

N MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MORF | HZ | 10 | 236 | EP | | 331 | 51.91- | .020 | | | | | | | 1.0 |
| MORF | HE | 10 | 236 | ES | | 331 | 53.740 | .020 | | | | | | | 1.0 |
| MORF | HN | 10 | 236 | IAML | | 331 | 54.07 | | 7 | 0.2 | | | | | |

**January 24 2023 Hour: 8:58 32.7 Lat: 29.60N Lon: 81.65E Depth: 25F Agency: IGL Distant
 Magnitudes: 5.5Mb IGL Rms: 0.1 secs**

NEPAL Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 8057 | 304 | EP | | 9 9 | 57.12- | .000 | | | | | | | 1.0 |
| GRNL | BZ | 8073 | 304 | EP | | 9 9 | 58.030 | .070 | | | | | | | 1.0 |
| GRNL | BZ | 8073 | 304 | IAMB | | 9 9 | 59.53 | | 45 | 1.1 | | | | | |
| MORF | BZ | 8116 | 303 | EP | | 910 | 0.28- | .070 | | | | | | | 1.0 |
| MORF | BZ | 8116 | 303 | IAMB | | 910 | 2.01 | | 88 | 1.6 | | | | | |

**January 24 2023 Hour: 14:36 36.9 Lat: 36.40N Lon: 8.94W Depth: 18F Agency: IGL Regional
 Magnitudes: 2.6ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MORF | HZ | 103 | 14 | EP | | 1436 | 53.15- | .160 | | | | | | | 1.0 |
| MORF | HE | 103 | 14 | ES | | 1437 | 5.350 | .090 | | | | | | | 1.0 |
| MORF | HN | 103 | 14 | IAML | | 1437 | 6.89 | | 121 | 0.3 | | | | | |
| MESJ | HZ | 172 | 22 | EP | | 1437 | 2.050 | .070 | | | | | | | 1.0 |

January 24 2023 Hour: 18:37 0.3 Lat: 26.73S Lon: 63.13W Depth:586F Agency: IGL Distant
Magnitudes: 5.8Mb IGL Rms: 0.2 secs

SANTIAGO DEL ESTERO, ARGENTINA Net: GFZ

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 9088 | 41 | EP | | 1848 | 18.10 | -.250 | | | | | | | 1.0 |
| MORF | BZ | 9088 | 41 | IAMB | | 1848 | 21.07 | | | 1232 | 1.8 | | | | |
| MORF | BZ | 9088 | 41 | EP | P | 1850 | 22.20 | -.160 | | | | | | | 1.0 |
| MORF | BZ | 9088 | 41 | ES | P | 1851 | 22.470 | .370 | | | | | | | 1.0 |
| GRNL | BZ | 9154 | 40 | EP | | 1848 | 21.15 | -.110 | | | | | | | 1.0 |
| GRNL | BZ | 9154 | 40 | IAMB | | 1848 | 23.25 | | | 285 | 0.8 | | | | |
| GRNL | BZ | 9154 | 40 | EP | P | 1850 | 25.48 | -.050 | | | | | | | 1.0 |
| GRNL | BZ | 9154 | 40 | ES | P | 1851 | 25.370 | .210 | | | | | | | 1.0 |
| MESJ | BZ | 9157 | 41 | EP | | 1848 | 21.25 | -.140 | | | | | | | 1.0 |
| MESJ | BZ | 9157 | 41 | IAMB | | 1848 | 23.44 | | | 57 | 1.0 | | | | |
| MESJ | BZ | 9157 | 41 | EP | P | 1850 | 25.700 | .040 | | | | | | | 1.0 |
| MESJ | BZ | 9157 | 41 | ES | P | 1851 | 25.440 | .140 | | | | | | | 1.0 |
| GGNV | BZ | 9163 | 40 | EP | | 1848 | 21.32 | -.310 | | | | | | | 1.0 |
| GGNV | BZ | 9163 | 40 | IAMB | | 1848 | 24.68 | | | 610 | 1.2 | | | | |
| GGNV | BZ | 9163 | 40 | ES | P | 1851 | 25.850 | .300 | | | | | | | 1.0 |

January 24 2023 Hour: 20:25 35.0 Lat: 34.89N Lon: 14.33E Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Ms IGL Rms: 0.1 secs

CENTRAL MEDITERRANEAN SEA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 2045 | 286 | EP | | 2029 | 50.03 | -.040 | | | | | | | 1.0 |
| MESJ | BE | 2045 | 286 | ES | | 2033 | 16.45 | -.070 | | | | | | | 1.0 |
| GRNL | BZ | 2077 | 287 | EP | | 2029 | 53.18 | -.040 | | | | | | | 1.0 |
| GRNL | BN | 2077 | 287 | ES | | 2033 | 23.43 | -.020 | | | | | | | 1.0 |
| GRNL | BN | 2077 | 287 | IAMS_20 | | 2040 | 1.62 | | | 3020 | 15.0 | | | | |
| MORF | BZ | 2082 | 284 | EP | | 2029 | 53.810 | .060 | | | | | | | 1.0 |
| MORF | BE | 2082 | 284 | IAMS_20 | | 2040 | 6.93 | | | 2627 | 11.9 | | | | |
| GGNV | BZ | 2132 | 288 | EP | | 2029 | 58.720 | .110 | | | | | | | 1.0 |
| GGNV | BZ | 2132 | 288 | IAMS_20 | | 2040 | 21.25 | | | 4162 | 12.9 | | | | |

January 24 2023 Hour: 21:11 22.6 Lat: 35.40N Lon: 3.71W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 527 | 306 | EP | | 2112 | 33.240 | .000 | | | | | | | 1.0 |

January 25 2023 Hour: 0:17 14.0 Lat: 35.85N Lon: 10.14W Depth: 32F 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 | 209 | 39 | EP | | 017 | 42.810 | .100 | | | | | | | 1.0 |
| GRNL | CZ | 287 | 29 | EP | | 017 | 52.20 | -.120 | | | | | | | 1.0 |
| GRNL | CN | 287 | 29 | ES | | 018 | 20.330 | .010 | | | | | | | 1.0 |
| GRNL | CN | 287 | 29 | IAML | | 018 | 21.74 | | | 3 | 0.1 | | | | |

January 25 2023 Hour: 12:37 5.7 Lat: 35.75N Lon: 28.54E Depth: 35F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

EASTERN MEDITERRANEAN SEA Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3268 | 285 | EP | | 1243 | 5.51 | -.180 | | | | | | | 1.0 |
| MESJ | BE | 3268 | 285 | ES | | 1247 | 57.94 | -.060 | | | | | | | 1.0 |
| GRNL | BZ | 3295 | 286 | EP | | 1243 | 7.820 | .020 | | | | | | | 1.0 |
| GRNL | BZ | 3295 | 286 | IAMB | | 1243 | 8.29 | | | 132 | 1.1 | | | | |
| GRNL | BE | 3295 | 286 | ES | | 1248 | 1.790 | .040 | | | | | | | 1.0 |
| MORF | BZ | 3314 | 284 | EP | | 1243 | 9.37 | -.040 | | | | | | | 1.0 |
| MORF | BZ | 3314 | 284 | IAMB | | 1243 | 10.53 | | | 44 | 1.3 | | | | |
| GGNV | BZ | 3338 | 287 | EP | | 1243 | 11.480 | .310 | | | | | | | 0.9 |
| GGNV | BZ | 3338 | 287 | IAMB | | 1243 | 12.66 | | | 269 | 0.9 | | | | |
| GGNV | BE | 3338 | 287 | ES | | 1248 | 7.65 | -.060 | | | | | | | 1.0 |

January 25 2023 Hour: 14:13 26.2 Lat: 36.83N Lon: 10.98W Depth: 30F 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 | 214 | 75 | EP | | 1413 | 55.53 | -.050 | | | | | | | 1.0 |
| MORF | HN | 214 | 75 | ES | | 1414 | 17.150 | .120 | | | | | | | 1.0 |
| MORF | HN | 214 | 75 | IAML | | 1414 | 19.37 | | | 17 | 0.4 | | | | |
| GRNL | CZ | 256 | 56 | EP | | 1414 | 0.68 | -.160 | | | | | | | 1.0 |
| GRNL | CN | 256 | 56 | ES | | 1414 | 26.200 | .080 | | | | | | | 1.0 |
| GRNL | CN | 256 | 56 | IAML | | 1414 | 27.55 | | | 12 | 0.2 | | | | |

January 25 2023 Hour: 15:28 12.4 Lat: 37.32N Lon: 8.56W Depth: 7F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

N MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 8 | 257 | EP | | 1528 | 13.98 | -.230 | | | | | | | 1.0 |
| MORF | HE | 8 | 257 | ES | | 1528 | 15.670 | .140 | | | | | | | 1.0 |
| MORF | HE | 8 | 257 | IAML | | 1528 | 16.12 | | | 137 | 0.1 | | | | |
| GRNL | CZ | 87 | 360 | EP | | 1528 | 26.610 | .080 | | | | | | | 1.0 |
| GRNL | CN | 87 | 360 | ES | | 1528 | 36.880 | .020 | | | | | | | 1.0 |
| GRNL | CN | 87 | 360 | IAML | | 1528 | 38.54 | | | 4 | 0.1 | | | | |

January 25 2023 Hour: 15:50 27.4 Lat: 36.50N Lon: 7.28W Depth: 17F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 152 | 307 | EP | | 1550 | 49.98 | -.040 | | | | | | | 1.0 |
| MESJ | HZ | 171 | 331 | EP | | 1550 | 52.410 | .040 | | | | | | | 1.0 |
| MESJ | HN | 171 | 331 | ES | | 1551 | 10.60 | -.020 | | | | | | | 1.0 |
| GRNL | CZ | 212 | 328 | EP | | 1550 | 57.530 | .020 | | | | | | | 1.0 |

January 25 2023 Hour: 19:49 45.8 Lat: 29.77N Lon: 102.05E Depth: 10F Agency: IGL Distant
Rms: 0.0 secs

WESTERN SICHUAN, CHINA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 9607 | 312 | EP | | 20 2 | 28.38 | -.050 | | | | | | | 1.0 |
| GRNL | BZ | 9615 | 312 | EP | | 20 2 | 28.810 | .050 | | | | | | | 1.0 |

January 26 2023 Hour: 1:10 32.5 Lat: 35.34N Lon: 3.58W Depth: 16F Agency: IGL Regional
Magnitudes: 2.6ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 499 | 305 | EP | | 111 | 38.07 | -.080 | | | | | | | 1.0 |
| GRNL | CZ | 541 | 306 | EP | | 111 | 43.21 | -.010 | | | | | | | 1.0 |
| GRNL | CN | 541 | 306 | ES | | 112 | 34.910 | .090 | | | | | | | 1.0 |
| GRNL | CN | 541 | 306 | IAML | | 112 | 40.45 | | | 10 | 0.3 | | | | |

January 26 2023 Hour: 3:44 17.2 Lat: 37.36N Lon: 13.81W Depth: 10F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 457 | 89 | EP | | 345 | 14.230 | .160 | | | | | | | 1.0 |
| GRNL | CZ | 469 | 78 | EP | | 345 | 15.28 | -.250 | | | | | | | 1.0 |
| GRNL | CN | 469 | 78 | ES | | 345 | 58.170 | .090 | | | | | | | 1.0 |
| GRNL | CN | 469 | 78 | IAML | | 346 | 0.06 | | | 8 | 0.2 | | | | |

January 26 2023 Hour: 4:16 10.2 Lat: 16.61N Lon: 25.61W Depth: 30F Agency: IGL Distant
Magnitudes: 4.3Ms IGL Rms: 0.0 secs

CAPE VERDE Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 2836 | 33 | EP | | 421 | 35.880 | .030 | | | | | | | 1.0 |
| MORF | BZ | 2836 | 33 | IAMs_20 | | 429 | 55.73 | | | 1051 | 21.1 | | | | |
| GRNL | BZ | 2909 | 32 | EP | | 421 | 41.70 | -.030 | | | | | | | 1.0 |

GRNL BZ 2909 32 IAMs_20 429 28.84

917 19.4

January 26 2023 Hour: 10:45 53.4 Lat: 30.25S Lon: 178.67W Depth:136F Agency: IGL Distant
Rms: 0.1 secs

KERMADEC ISLANDS, NEW ZEALAND Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|-------|-----|-------|------|------|-------|--------|-------|------|------|-----|------|------|-----|
| GRNL | BZ | 18760 | 44 | EP | Kpdf | 11 | 5 | 43.580 | 0.080 | | | | | | 1.0 |
| MESJ | BZ | 18803 | 44 | EP | Kpdf | 11 | 5 | 43.780 | 0.020 | | | | | | 1.0 |
| MORF | BZ | 18810 | 47 | EP | Kpdf | 11 | 5 | 43.75- | .110 | | | | | | 1.0 |

January 26 2023 Hour: 19:17 5.1 Lat: 57.43N Lon: 33.40W Depth: 10F Agency: IGL Distant
Magnitudes: 4.6Ms IGL Rms: 0.0 secs

REYKJANES RIDGE Net: GFZ

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 2809 | 129 | EP | | 1922 | 31.470 | 0.060 | | | | | | | 1.0 |
| GRNL | BZ | 2809 | 129 | IAMs_20 | | 1929 | 19.20 | | 2608 | 27.4 | | | | | |
| MESJ | BZ | 2850 | 129 | EP | | 1922 | 34.81- | .010 | | | | | | | 1.0 |
| MORF | BZ | 2881 | 130 | EP | | 1922 | 37.31- | .050 | | | | | | | 1.0 |
| MORF | BZ | 2881 | 130 | IAMs_20 | | 1929 | 25.07 | | 1612 | 18.6 | | | | | |

January 26 2023 Hour: 19:30 48.2 Lat: 57.34N Lon: 33.26W Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.1 secs

REYKJANES RIDGE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ | 2712 | 129 | EP | | 1936 | 6.45- | .190 | | | | | | | 1.0 |
| GGNV | BZ | 2712 | 129 | IAMB | | 1936 | 15.22 | | 342 | 1.6 | | | | | |
| GRNL | BZ | 2796 | 129 | EP | | 1936 | 13.610 | 0.060 | | | | | | | 1.0 |
| GRNL | BZ | 2796 | 129 | IAMB | | 1936 | 21.60 | | 183 | 1.8 | | | | | |
| MESJ | BZ | 2837 | 129 | EP | | 1936 | 16.960 | 0.000 | | | | | | | 1.0 |
| MORF | BZ | 2868 | 130 | EP | | 1936 | 19.610 | 0.120 | | | | | | | 1.0 |
| MORF | BZ | 2868 | 130 | IAMB | | 1936 | 25.87 | | 45 | 1.1 | | | | | |

January 26 2023 Hour: 20:39 24.6 Lat: 37.22N Lon: 8.68W Depth: 21F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

N LAGOS, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 10 | 11 | EP | | 2039 | 28.310 | 0.010 | | | | | | | 1.0 |
| MORF | HN | 10 | 11 | ES | | 2039 | 30.99- | .030 | | | | | | | 1.0 |
| MORF | HE | 10 | 11 | IAML | | 2039 | 31.60 | | 10 | 0.1 | | | | | |
| GRNL | CN | 100 | 5 | ES | | 2039 | 51.730 | 0.020 | | | | | | | 1.0 |
| GRNL | CN | 100 | 5 | IAML | | 2039 | 52.73 | | 5 | 0.4 | | | | | |

January 26 2023 Hour: 23:36 56.5 Lat: 35.81N Lon: 8.69W Depth: 32F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 166 | 1 | EP | | 2337 | 19.68- | .160 | | | | | | | 1.0 |
| GRNL | CZ | 255 | 2 | EP | | 2337 | 30.930 | 0.020 | | | | | | | 1.0 |
| GRNL | CN | 255 | 2 | ES | | 2337 | 56.210 | 0.160 | | | | | | | 1.0 |
| GRNL | CN | 255 | 2 | IAML | | 2337 | 58.19 | | 2 | 0.2 | | | | | |

January 28 2023 Hour: 4:12 49.6 Lat: 36.23N Lon: 10.69W Depth: 28F 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 | 217 | 56 | EP | | 413 | 19.610 | 0.040 | | | | | | | 1.0 |
| GRNL | CZ | 280 | 41 | EP | | 413 | 27.28- | .130 | | | | | | | 1.0 |
| GRNL | CN | 280 | 41 | ES | | 413 | 55.080 | 0.100 | | | | | | | 1.0 |
| GRNL | CN | 280 | 41 | IAML | | 413 | 56.75 | | 4 | 0.1 | | | | | |

January 28 2023 Hour: 6:46 23.2 Lat: 38.66N Lon: 9.39W Depth: 11F Agency: IGL Regional
 Magnitudes: 2.1ML IGL Rms: 0.2 secs
 SE CASCAIS, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GGNV | HZ | 22 | 73 | EP | | 646 | 26.98 | -.210 | | | | | | | 1.0 |
| GGNV | HN | 22 | 73 | ES | | 646 | 30.500 | .380 | | | | | | | 1.0 |
| GGNV | HN | 22 | 73 | IAML | | 646 | 31.59 | | | 267 | 0.2 | | | | |
| GRNL | CZ | 94 | 130 | EP | | 646 | 38.19 | -.030 | | | | | | | 1.0 |
| GRNL | CN | 94 | 130 | ES | | 646 | 49.250 | .060 | | | | | | | 1.0 |
| GRNL | CE | 94 | 130 | IAML | | 646 | 51.59 | | | 70 | 0.2 | | | | |
| MESJ | HZ | 137 | 131 | EP | | 646 | 44.590 | .040 | | | | | | | 0.9 |
| MESJ | HN | 137 | 131 | ES | | 647 | 0.190 | .040 | | | | | | | 0.9 |
| MORF | HZ | 164 | 156 | EP | | 646 | 47.59 | -.300 | | | | | | | 0.9 |

January 28 2023 Hour: 12:47 1.3 Lat: 38.16N Lon: 8.28W Depth: 2F Agency: IGL Regional
 Magnitudes: 0.7ML IGL Rms: 0.1 secs
 NE FERREIRA DO ALENTEJO, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 26 | 257 | EP | | 1247 | 5.47 | -.040 | | | | | | | 1.0 |
| GRNL | CN | 26 | 257 | ES | | 1247 | 8.750 | .160 | | | | | | | 1.0 |
| GRNL | CN | 26 | 257 | IAML | | 1247 | 8.97 | | | 13 | 0.1 | | | | |
| MESJ | HZ | 36 | 172 | EP | | 1247 | 7.11 | -.040 | | | | | | | 1.0 |
| MESJ | HN | 36 | 172 | ES | | 1247 | 11.34 | -.080 | | | | | | | 1.0 |

January 28 2023 Hour: 18:14 47.8 Lat: 38.49N Lon: 44.91E Depth: 15F Agency: IGL Distant
 Magnitudes: 5.6Ms IGL Rms: 0.1 secs
 TURKEY-IRAN BORDER REGION Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|-------|------|-------|------|-----|------|------|-----|
| MESJ | BZ | 4590 | 286 | EP | | 1822 | 32.500 | .010 | | | | | | | 1.0 |
| GRNL | BZ | 4610 | 287 | EP | | 1822 | 33.86 | -.100 | | | | | | | 1.0 |
| GRNL | BN | 4610 | 287 | ES | | 1828 | 49.840 | .250 | | | | | | | 1.0 |
| GRNL | BN | 4610 | 287 | IAMs_20 | | 1835 | 47.89 | | | 13685 | 32.3 | | | | |
| GGNV | BZ | 4638 | 288 | EP | | 1822 | 35.85 | -.150 | | | | | | | 1.0 |
| GGNV | BN | 4638 | 288 | IAMs_20 | | 1839 | 55.24 | | | 9966 | 20.8 | | | | |

January 28 2023 Hour: 19:15 19.9 Lat: 1.94N Lon: 128.23E Depth: 146F Agency: IGL Distant
 Magnitudes: 5.6Ms IGL Rms: 0.1 secs
 HALMAHERA, INDONESIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|-------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 13756 | 319 | EPKP | | 1933 | 59.870 | .160 | | | | | | | 1.0 |
| GRNL | BZ | 13764 | 320 | EPKP | | 1933 | 59.75 | -.090 | | | | | | | 1.0 |
| MORF | BZ | 13821 | 319 | EPKP | | 1934 | 0.81 | -.060 | | | | | | | 1.0 |

January 29 2023 Hour: 2:43 51.2 Lat: 36.58N Lon: 9.79W Depth: 17F 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 | 129 | 51 | EP | | 244 | 11.08 | -.020 | | | | | | | 1.0 |
| MORF | HE | 129 | 51 | ES | | 244 | 25.730 | .120 | | | | | | | 1.0 |
| MORF | HN | 129 | 51 | IAML | | 244 | 27.37 | | | 5 | 0.1 | | | | |
| GRNL | CZ | 201 | 32 | EP | | 244 | 19.95 | -.040 | | | | | | | 1.0 |
| GRNL | CN | 201 | 32 | ES | | 244 | 40.91 | -.070 | | | | | | | 1.0 |
| GRNL | CN | 201 | 32 | IAML | | 244 | 41.81 | | | 2 | 0.1 | | | | |

January 29 2023 Hour: 18: 8 6.8 Lat: 36.98N Lon: 8.40W Depth: 17F Agency: IGL Regional
 Magnitudes: 0.6ML IGL Rms: 0.1 secs
 WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 43 | 327 | EP | | 18 8 | 14.01 | -.090 | | | | | | | 1.0 |
| MORF | HN | 43 | 327 | ES | | 18 8 | 19.490 | .090 | | | | | | | 1.0 |
| MORF | HN | 43 | 327 | IAML | | 18 8 | 20.52 | | | 5 | 0.1 | | | | |

January 29 2023 Hour: 20:24 45.6 Lat: 38.71N Lon: 7.80W Depth: 10F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.0 secs

E ARRAIOLOS, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 95 | 226 | EP | | 2025 | 0.770 | .020 | | | | | | | 1.0 |
| GRNL | CE | 95 | 226 | ES | | 2025 | 11.78 | -.020 | | | | | | | 1.0 |
| GRNL | CN | 95 | 226 | IAML | | 2025 | 12.67 | | | 2 | 0.1 | | | | |

January 29 2023 Hour: 23:35 42.2 Lat: 36.30N Lon: 8.52W Depth: 2F 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 | 112 | 354 | EP | | 2336 | 0.21 | -.070 | | | | | | | 1.0 |
| MORF | HN | 112 | 354 | ES | | 2336 | 13.54 | 0.070 | | | | | | | 1.0 |
| MORF | HE | 112 | 354 | IAML | | 2336 | 16.35 | | | 15 | 0.4 | | | | |

January 29 2023 Hour: 23:49 38.3 Lat: 40.00N Lon: 82.36E Depth: 28F Agency: IGL Distant
Magnitudes: 5.7Ms IGL Rms: 0.2 secs

SOUTHERN XINJIANG, CHINA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 7488 | 301 | EP | | 24 0 | 31.21 | 0.210 | | | | | | | 1.0 |
| MESJ | BZ | 7488 | 301 | EsP | | 24 0 | 43.02 | -.260 | | | | | | | 1.0 |
| GRNL | BZ | 7497 | 301 | EP | | 24 0 | 31.74 | 0.250 | | | | | | | 1.0 |
| GRNL | BZ | 7497 | 301 | EsP | | 24 0 | 43.64 | -.130 | | | | | | | 1.0 |
| GRNL | BN | 7497 | 301 | IAMs_20 | | 2425 | 15.15 | | | 6872 | 43.0 | | | | |
| GGNV | BZ | 7502 | 302 | EsP | | 24 0 | 43.93 | -.070 | | | | | | | 1.0 |
| GGNV | BN | 7502 | 302 | IAMs_20 | | 2428 | 49.25 | | | 3187 | 10.6 | | | | |

January 30 2023 Hour: 0:40 19.2 Lat: 36.05N Lon: 10.40W Depth: 30F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 209 | 48 | EP | | 040 | 48.03 | -.050 | | | | | | | 1.0 |
| MORF | HN | 209 | 48 | ES | | 041 | 9.09 | -.050 | | | | | | | 1.0 |
| MORF | HE | 209 | 48 | IAML | | 041 | 10.72 | | | 2 | 0.1 | | | | |
| GRNL | CE | 281 | 35 | ES | | 041 | 24.52 | 0.110 | | | | | | | 1.0 |
| GRNL | CN | 281 | 35 | IAML | | 041 | 27.71 | | | 2 | 0.2 | | | | |

January 30 2023 Hour: 3:38 33.9 Lat: 35.95N Lon: 10.18W Depth: 30F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 203 | 42 | EP | | 339 | 2.09 | 0.100 | | | | | | | 1.0 |
| MORF | HN | 203 | 42 | ES | | 339 | 22.49 | -.000 | | | | | | | 1.0 |
| MORF | HN | 203 | 42 | IAML | | 339 | 24.55 | | | 3 | 0.2 | | | | |
| GRNL | CZ | 279 | 30 | EP | | 339 | 11.31 | -.100 | | | | | | | 1.0 |

January 30 2023 Hour: 5:12 43.4 Lat: 36.23N Lon: 8.51W Depth: 15F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 119 | 354 | EP | | 513 | 2.10 | -.150 | | | | | | | 1.0 |
| MORF | HN | 119 | 354 | ES | | 513 | 16.12 | 0.150 | | | | | | | 1.0 |
| MORF | HE | 119 | 354 | IAML | | 513 | 16.85 | | | 3 | 0.2 | | | | |

January 30 2023 Hour: 5:51 33.5 Lat: 36.29N Lon: 7.60W Depth: 15F 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 | 320 | EP | | 551 | 55.60 | -.130 | | | | | | | 1.0 |
| GRNL | CZ | 220 | 337 | EP | | 552 | 4.86 | 0.140 | | | | | | | 1.0 |

January 30 2023 Hour: 17:7 45.1 Lat: 35.77N Lon: 79.84E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs
KASHMIR-XINJIANG BORDER REGION Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 7543 | 301 | EP | | 1718 | 43.49 | -.110 | | | | | | | 1.0 |
| GRNL | BZ | 7555 | 302 | EP | | 1718 | 44.410 | .110 | | | | | | | 1.0 |
| GRNL | BZ | 7555 | 302 | IAMB | | 1718 | 45.19 | | | 34 | 1.5 | | | | |

January 30 2023 Hour: 19:55 26.2 Lat: 34.97N Lon: 14.30E Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Ms IGL Rms: 0.1 secs
CENTRAL MEDITERRANEAN SEA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|-------|-------|------|------|-----|------|------|-----|
| MESJ | BZ | 2040 | 286 | EP | | 1959 | 40.750 | .050 | | | | | | | 1.0 |
| MESJ | BE | 2040 | 286 | ES | | 20 | 3 | 6.660 | .030 | | | | | | 1.0 |
| GRNL | BZ | 2072 | 286 | EP | | 1959 | 43.940 | .030 | | | | | | | 1.0 |
| GRNL | BN | 2072 | 286 | ES | | 20 | 3 | 13.53 | -.010 | | | | | | 1.0 |
| GRNL | BN | 2072 | 286 | IAMS_20 | | 20 | 9 | 40.97 | | 3684 | 13.6 | | | | |
| MORF | BZ | 2077 | 284 | EP | | 1959 | 44.29 | -.190 | | | | | | | 0.9 |
| MORF | BE | 2077 | 284 | IAMS_20 | | 2010 | 8.92 | | | 2940 | 12.7 | | | | |
| GGNV | BZ | 2127 | 288 | EP | | 1959 | 49.340 | .060 | | | | | | | 1.0 |
| GGNV | BE | 2127 | 288 | IAMS_20 | | 2010 | 16.88 | | | 3805 | 18.9 | | | | |

January 31 2023 Hour: 15:27 18.0 Lat: 37.33N Lon: 8.56W Depth: 11F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs
N MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 9 | 252 | EP | | 1527 | 20.23 | -.070 | | | | | | | 1.0 |
| MORF | HE | 9 | 252 | ES | | 1527 | 22.070 | .070 | | | | | | | 1.0 |
| MORF | HN | 9 | 252 | IAML | | 1527 | 22.54 | | | 50 | 0.2 | | | | |

February 1 2023 Hour: 1:27 27.4 Lat: 37.14N Lon: 9.37W Depth: 8F 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 | 66 | 74 | EP | | 127 | 38.10 | -.060 | | | | | | | 1.0 |
| GRNL | CE | 128 | 33 | ES | | 128 | 2.690 | .070 | | | | | | | 1.0 |
| GRNL | CN | 128 | 33 | IAML | | 128 | 4.80 | | | 2 | 0.1 | | | | |

February 1 2023 Hour: 4:57 47.1 Lat: 35.95N Lon: 10.36W Depth: 40F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs
AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 214 | 45 | EP | | 458 | 16.600 | .050 | | | | | | | 1.0 |
| MORF | HE | 214 | 45 | ES | | 458 | 37.90 | -.120 | | | | | | | 1.0 |
| MORF | HN | 214 | 45 | IAML | | 458 | 40.06 | | | 7 | 0.1 | | | | |
| GRNL | CZ | 288 | 33 | EP | | 458 | 25.700 | .080 | | | | | | | 1.0 |

February 1 2023 Hour: 10:27 39.2 Lat: 36.58N Lon: 9.77W Depth: 15F 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 | | 1027 | 59.170 | .100 | | | | | | | 1.0 |
| MORF | HE | 128 | 51 | ES | | 1028 | 13.580 | .000 | | | | | | | 1.0 |
| MORF | HE | 128 | 51 | IAML | | 1028 | 16.14 | | | 11 | 0.2 | | | | |
| GRNL | CZ | 200 | 32 | EP | | 1028 | 7.91 | -.120 | | | | | | | 1.0 |
| GRNL | CN | 200 | 32 | ES | | 1028 | 29.090 | .010 | | | | | | | 1.0 |
| GRNL | CN | 200 | 32 | IAML | | 1028 | 32.40 | | | 4 | 0.2 | | | | |

February 1 2023 Hour: 10:41 2.1 Lat: 36.60N Lon: 9.73W Depth: 16F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 124 | 50 | EP | | 1041 | 21.25 | -.170 | | | | | | | 1.0 |
| MORF | HN | 124 | 50 | ES | | 1041 | 35.54 | 0.050 | | | | | | | 1.0 |
| MORF | HN | 124 | 50 | IAML | | 1041 | 37.65 | | | 4 | 0.2 | | | | |
| GRNL | CN | 196 | 31 | ES | | 1041 | 51.20 | 0.130 | | | | | | | 1.0 |
| GRNL | CN | 196 | 31 | IAML | | 1041 | 53.19 | | | 1 | | | | | |

February 1 2023 Hour: 10:44 47.5 Lat: 7.75N Lon: 126.06E Depth: 19F Agency: IGL Distant
Magnitudes: 6.1Ms 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 | BZ13110 | 320 | EPKP | | | 11 3 | 32.38 | 0.010 | | | | | | | 1.0 |
| GRNL | BZ13116 | 321 | EPKP | | | 11 3 | 32.38 | -.090 | | | | | | | 1.0 |
| GRNL | BN13116 | 321 | IAMs_20 | | | 1148 | 28.85 | | | 8791 | 41.9 | | | | |
| MORF | BZ13176 | 320 | EPKP | | | 11 3 | 33.65 | 0.080 | | | | | | | 1.0 |
| MORF | BE13176 | 320 | IAMs_20 | | | 1153 | 20.09 | | | 4278 | 21.0 | | | | |

February 2 2023 Hour: 1: 2 54.3 Lat: 37.06N Lon: 4.19W Depth: 50F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.0 secs

SPAIN Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 367 | 285 | EP | | 1 3 | 42.08 | -.050 | | | | | | | 1.0 |
| MESJ | HE | 367 | 285 | ES | | 1 4 | 17.05 | -.030 | | | | | | | 1.0 |
| MORF | HZ | 397 | 275 | EP | | 1 3 | 45.89 | 0.050 | | | | | | | 1.0 |
| GRNL | CZ | 404 | 288 | EP | | 1 3 | 46.66 | 0.050 | | | | | | | 1.0 |
| GRNL | CE | 404 | 288 | ES | | 1 4 | 24.79 | -.020 | | | | | | | 1.0 |
| GRNL | CN | 404 | 288 | IAML | | 1 4 | 27.77 | | | 21 | 0.2 | | | | |

February 2 2023 Hour: 2:23 21.1 Lat: 37.37N Lon: 9.00W Depth: 21F Agency: IGL Regional
Magnitudes: 0.8ML 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 | 32 | 104 | EP | | 223 | 27.12 | -.020 | | | | | | | 1.0 |
| MORF | HE | 32 | 104 | ES | | 223 | 31.43 | -.100 | | | | | | | 1.0 |
| MORF | HE | 32 | 104 | IAML | | 223 | 32.17 | | | 10 | 0.1 | | | | |
| GRNL | CE | 90 | 25 | ES | | 223 | 46.10 | 0.130 | | | | | | | 1.0 |
| GRNL | CN | 90 | 25 | IAML | | 223 | 47.38 | | | 2 | 0.1 | | | | |

February 2 2023 Hour: 3:20 33.4 Lat: 35.98N Lon: 9.98W Depth: 6F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 189 | 38 | EP | | 321 | 1.88 | 0.110 | | | | | | | 1.0 |
| MORF | HN | 189 | 38 | ES | | 321 | 22.53 | 0.030 | | | | | | | 1.0 |
| MORF | HE | 189 | 38 | IAML | | 321 | 24.15 | | | 3 | 0.2 | | | | |
| GRNL | CZ | 268 | 28 | EP | | 321 | 11.35 | -.150 | | | | | | | 1.0 |
| GRNL | CN | 268 | 28 | ES | | 321 | 39.33 | 0.000 | | | | | | | 1.0 |
| GRNL | CN | 268 | 28 | IAML | | 321 | 42.49 | | | 1 | 0.1 | | | | |

February 2 2023 Hour: 3:41 4.2 Lat: 36.89N Lon: 8.64W Depth: 28F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 46 | 358 | EP | | 341 | 12.43 | 0.010 | | | | | | | 1.0 |
| MORF | HN | 46 | 358 | ES | | 341 | 18.51 | 0.060 | | | | | | | 1.0 |
| MORF | HE | 46 | 358 | IAML | | 341 | 18.84 | | | 6 | 0.3 | | | | |
| GRNL | CN | 135 | 3 | ES | | 341 | 38.18 | -.070 | | | | | | | 1.0 |
| GRNL | CN | 135 | 3 | IAML | | 341 | 41.22 | | | 1 | 0.2 | | | | |

February 2 2023 Hour: 13:13 23.1 Lat: 16.73N Lon: 60.94W Depth: 24F Agency: IGL Distant
Magnitudes: 4.9Mb IGL Rms: 0.1 secs

GUADELOUPE REGION, LEEWARD ISLANDS Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 5587 | 55 | EP | | 1322 | 17.21 | 0.080 | | | | | | | 1.0 |
| MORF | BZ | 5587 | 55 | I Amb | | 1322 | 19.21 | | | 26 | 1.2 | | | | |
| GRNL | BZ | 5610 | 54 | EP | | 1322 | 18.51 | -.080 | | | | | | | 1.0 |
| GRNL | BZ | 5610 | 54 | I Amb | | 1322 | 20.08 | | | 9 | 1.0 | | | | |

February 2 2023 Hour: 14:48 24.9 Lat: 61.06N Lon: 152.31W Depth: 114F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs

SOUTHERN ALASKA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 8533 | 29 | EP | | 15 0 | 3.95 | 0.170 | | | | | | | 1.0 |
| GRNL | BZ | 8533 | 29 | I Amb | | 15 0 | 4.56 | | | 30 | 0.6 | | | | |
| MESJ | BZ | 8570 | 28 | EP | | 15 0 | 5.52 | -.170 | | | | | | | 1.0 |
| MORF | BZ | 8616 | 29 | EP | | 15 0 | 8.03 | -.000 | | | | | | | 1.0 |
| MORF | BZ | 8616 | 29 | I Amb | | 15 0 | 9.17 | | | 22 | 0.8 | | | | |

February 2 2023 Hour: 15:55 27.1 Lat: 35.33N Lon: 9.65W Depth: 31F Agency: IGL Regional
Magnitudes: 2.4ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 237 | 22 | EP | | 1555 | 58.67 | 0.040 | | | | | | | 1.0 |
| MORF | HE | 237 | 22 | ES | | 1556 | 21.62 | -.000 | | | | | | | 1.0 |
| MORF | HN | 237 | 22 | I AML | | 1556 | 23.32 | | | 23 | 0.2 | | | | |
| MESJ | HZ | 307 | 24 | EP | | 1556 | 7.23 | -.040 | | | | | | | 1.0 |
| GRNL | CZ | 323 | 17 | EP | | 1556 | 9.16 | -.160 | | | | | | | 1.0 |
| GRNL | CN | 323 | 17 | ES | | 1556 | 40.28 | 0.160 | | | | | | | 1.0 |
| GRNL | CN | 323 | 17 | I AML | | 1556 | 44.12 | | | 12 | 0.2 | | | | |

February 3 2023 Hour: 0: 0 31.4 Lat: 36.47N Lon: 7.70W Depth: 22F 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 | 126 | 318 | EP | | 0 0 | 50.41 | -.080 | | | | | | | 1.0 |
| MORF | HE | 126 | 318 | ES | | 0 1 | 4.39 | -.010 | | | | | | | 1.0 |
| MORF | HN | 126 | 318 | I AML | | 0 1 | 5.49 | | | 7 | 0.1 | | | | |
| MESJ | HN | 159 | 343 | ES | | 0 1 | 11.42 | -.030 | | | | | | | 1.0 |
| GRNL | CZ | 198 | 337 | EP | | 0 0 | 59.48 | 0.120 | | | | | | | 1.0 |

February 3 2023 Hour: 0: 9 23.7 Lat: 37.99N Lon: 2.45W Depth: 0 Agency: IGL Regional
Rms: 0.0 secs

SPAIN Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 537 | 273 | EP | | 010 | 35.59 | 0.030 | | | | | | | 1.0 |
| MORF | HZ | 553 | 264 | EP | | 010 | 37.42 | -.030 | | | | | | | 1.0 |

February 3 2023 Hour: 2:58 40.9 Lat: 36.59N Lon: 9.77W Depth: 16F 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 | 127 | 51 | EP | | 259 | 0.81 | 0.170 | | | | | | | 1.0 |
| MORF | HE | 127 | 51 | ES | | 259 | 14.99 | -.060 | | | | | | | 1.0 |
| MORF | HN | 127 | 51 | I AML | | 259 | 16.53 | | | 4 | 0.0 | | | | |
| GRNL | CZ | 199 | 32 | EP | | 259 | 9.37 | -.170 | | | | | | | 1.0 |
| GRNL | CN | 199 | 32 | ES | | 259 | 30.51 | 0.060 | | | | | | | 1.0 |
| GRNL | CN | 199 | 32 | I AML | | 259 | 31.37 | | | 4 | 0.1 | | | | |

**February 3 2023 Hour: 8:14 41.0 Lat: 36.24N Lon: 7.68W Depth: 14F 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 |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 222 | 339 | EP | | 815 | 12.50 | -.060 | | | | | | | 1.0 |
| GRNL | CN | 222 | 339 | ES | | 815 | 35.680 | .060 | | | | | | | 1.0 |
| GRNL | CN | 222 | 339 | IAML | | 815 | 37.58 | | | 2 | 0.1 | | | | |

**February 3 2023 Hour: 12: 4 19.5 Lat: 37.02N Lon: 96.88E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs**

NORTHERN QINGHAI, CHINA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 8722 | 309 | EP | | 1216 | 20.690 | .000 | | | | | | | 1.0 |
| GRNL | BZ | 8722 | 309 | IAMB | | 1216 | 24.03 | | | 39 | 1.5 | | | | |

**February 3 2023 Hour: 18: 6 50.1 Lat: 38.74N Lon: 9.46W Depth: 4F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs**

NW CASCAIS, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GGNV | HZ | 27 | 96 | EP | | 18 6 | 54.54 | -.030 | | | | | | | 1.0 |
| GGNV | HE | 27 | 96 | ES | | 18 6 | 57.820 | .000 | | | | | | | 1.0 |
| GGNV | HE | 27 | 96 | IAML | | 18 6 | 58.95 | | | 157 | 0.1 | | | | |
| GRNL | CZ | 105 | 132 | EP | | 18 7 | 6.92 | -.150 | | | | | | | 1.0 |
| GRNL | CN | 105 | 132 | ES | | 18 7 | 19.620 | .170 | | | | | | | 1.0 |
| GRNL | CE | 105 | 132 | IAML | | 18 7 | 20.96 | | | 9 | 0.2 | | | | |

**February 3 2023 Hour: 18:38 30.5 Lat: 37.63N Lon: 8.41W Depth: 1F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.0 secs**

W OURIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 28 | 36 | EP | | 1838 | 35.150 | .070 | | | | | | | 1.0 |
| MESJ | HN | 28 | 36 | ES | | 1838 | 38.40 | -.010 | | | | | | | 1.0 |
| GRNL | CZ | 55 | 345 | EP | | 1838 | 39.27 | -.070 | | | | | | | 1.0 |
| GRNL | CN | 55 | 345 | ES | | 1838 | 45.790 | .000 | | | | | | | 1.0 |
| GRNL | CN | 55 | 345 | IAML | | 1838 | 46.64 | | | 2 | 0.1 | | | | |

**February 4 2023 Hour: 1:34 58.6 Lat: 35.63N Lon: 6.25W Depth: 27F Agency: IGL Regional
Rms: 0.0 secs**

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 344 | 324 | EP | | 135 | 44.300 | .000 | | | | | | | 1.0 |

**February 4 2023 Hour: 11:16 17.7 Lat: 37.01N Lon: 5.31W Depth: 2F Agency: IGL Regional
Rms: 0.1 secs**

SPAIN Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 274 | 291 | EP | | 1116 | 57.090 | .070 | | | | | | | 1.0 |
| MORF | HZ | 299 | 277 | EP | | 1117 | 0.13 | -.040 | | | | | | | 1.0 |
| GRNL | CZ | 313 | 294 | EP | | 1117 | 1.84 | -.030 | | | | | | | 1.0 |

**February 4 2023 Hour: 22: 6 17.5 Lat: 35.33N Lon: 3.57W Depth: 12F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 543 | 306 | EP | | 22 7 | 28.66 | -.110 | | | | | | | 1.0 |
| GRNL | CE | 543 | 306 | ES | | 22 8 | 20.900 | .110 | | | | | | | 1.0 |
| GRNL | CN | 543 | 306 | IAML | | 22 8 | 22.92 | | | 3 | 0.2 | | | | |

February 5 2023 Hour: 1:24 5.9 Lat: 29.65S Lon: 71.25W Depth: 68F Agency: IGL Distant
Magnitudes: 5.6Mb IGL Rms: 0.1 secs

COQUIMBO, CHILE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ | 9867 | 45 | EP | | 115 | 31.72 | -.090 | | | | | | | 1.0 |
| MORF | BZ | 9867 | 45 | IAmb | | 115 | 32.35 | | | 44 | 1.2 | | | | |
| GRNL | BZ | 9930 | 45 | EP | | 115 | 34.400 | .050 | | | | | | | 1.0 |
| GRNL | BZ | 9930 | 45 | IAmb | | 115 | 35.35 | | | 42 | 1.2 | | | | |
| MESJ | BZ | 9935 | 45 | EP | | 115 | 34.610 | .040 | | | | | | | 1.0 |

February 5 2023 Hour: 6:48 59.7 Lat: 36.79N Lon: 8.44W Depth: 12F 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 | 60 | 341 | EP | | 649 | 9.32 | -.140 | | | | | | | 1.0 |
| MORF | HE | 60 | 341 | ES | | 649 | 16.730 | .140 | | | | | | | 1.0 |
| MORF | HE | 60 | 341 | IAML | | 649 | 18.17 | | | 5 | 0.1 | | | | |

February 6 2023 Hour: 1:17 35.3 Lat: 37.17N Lon: 37.03E Depth: 18F Agency: IGL Distant
Magnitudes: 7.8Ms IGL Rms: 0.1 secs

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|-------|----------|------|------|-----|------|------|-----|
| MESJ | BZ | 3962 | 285 | EP | | 124 | 31.91 | -.090 | | | | | | | 1.0 |
| MESJ | BE | 3962 | 285 | ES | | 130 | 8.33 | -.010 | | | | | | | 1.0 |
| GRNL | BZ | 3985 | 286 | EP | | 124 | 34.020 | .250 | | | | | | | 0.9 |
| GRNL | BE | 3985 | 286 | ES | | 130 | 11.46 | -.040 | | | | | | | 1.0 |
| GRNL | BN | 3985 | 286 | IAMs_20 | | 140 | 15.48 | | 14444000 | | 16.2 | | | | |
| MORF | BZ | 4013 | 284 | EP | | 124 | 35.96 | -.040 | | | | | | | 1.0 |
| MORF | BE | 4013 | 284 | ES | | 130 | 15.520 | .050 | | | | | | | 1.0 |
| MORF | BN | 4013 | 284 | IAMs_20 | | 138 | 42.51 | | 1319000 | | 23.1 | | | | |
| GGNV | BZ | 4020 | 287 | EP | | 124 | 36.35 | -.060 | | | | | | | 1.0 |
| GGNV | BN | 4020 | 287 | IAMs_20 | | 142 | 10.20 | | 2001000 | | 21.9 | | | | |

February 6 2023 Hour: 1:28 15.2 Lat: 37.13N Lon: 36.94E Depth: 15F Agency: IGL Distant
Magnitudes: 6.2Mb IGL Rms: 0.1 secs

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3956 | 285 | EP | | 135 | 11.76 | -.130 | | | | | | | 1.0 |
| GRNL | BZ | 3979 | 286 | EP | | 135 | 13.700 | .040 | | | | | | | 1.0 |
| GRNL | BZ | 3979 | 286 | IAmb | | 135 | 17.16 | | | 505 | 1.3 | | | | |
| MORF | BZ | 4007 | 284 | EP | | 135 | 15.960 | .080 | | | | | | | 1.0 |
| MORF | BZ | 4007 | 284 | IAmb | | 135 | 19.64 | | | 362 | 1.3 | | | | |

February 6 2023 Hour: 1:48 13.0 Lat: 37.99N Lon: 38.11E Depth: 10F Agency: IGL Distant
Magnitudes: 0.0 IGL Rms: 0.0 secs

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 4031 | 284 | EP | | 155 | 16.24 | -.020 | | | | | | | 1.0 |
| GRNL | BZ | 4053 | 285 | EP | | 155 | 17.960 | .020 | | | | | | | 1.0 |

February 6 2023 Hour: 1:58 23.6 Lat: 37.10N Lon: 36.61E Depth: 10F Agency: IGL Distant
Magnitudes: 0.0 IGL Rms: 0.0 secs

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3928 | 285 | EP | | 2 5 | 19.010 | .040 | | | | | | | 1.0 |
| GRNL | BZ | 3951 | 286 | EP | | 2 5 | 20.72 | -.040 | | | | | | | 1.0 |

February 6 2023 Hour: 2: 3 36.5 Lat: 37.78N Lon: 37.92E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 4021 | 285 | EP | | 210 | 39.230 | .210 | | | | | | | 1.0 |
| GRNL | BZ | 4043 | 285 | EP | | 210 | 40.59 | -.130 | | | | | | | 1.0 |
| GRNL | BZ | 4043 | 285 | IAmb | | 210 | 46.29 | | | 73 | 1.7 | | | | |
| MORF | BZ | 4073 | 284 | EP | | 210 | 43.02 | -.070 | | | | | | | 1.0 |
| MORF | BZ | 4073 | 284 | IAmb | | 210 | 49.36 | | | 101 | 1.7 | | | | |

February 6 2023 Hour: 2:23 14.2 Lat: 37.20N Lon: 36.97E Depth: 11F Agency: IGL Distant
Rms: 0.1 secs

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3956 | 285 | EP | | 230 | 11.46 | -.110 | | | | | | | 1.0 |
| GRNL | BZ | 3979 | 286 | EP | | 230 | 13.33 | -.010 | | | | | | | 1.0 |
| MORF | BZ | 4007 | 284 | EP | | 230 | 15.680 | .110 | | | | | | | 1.0 |

February 6 2023 Hour: 10:24 49.1 Lat: 38.02N Lon: 37.20E Depth: 10F Agency: IGL Distant
Magnitudes: 7.9Ms IGL Rms: 0.1 secs

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|-------|------|---------|------|-----|------|------|-----|
| MESJ | BZ | 3953 | 284 | EP | | 1031 | 46.23 | -.110 | | | | | | | 1.0 |
| MESJ | BN | 3953 | 284 | ES | | 1037 | 23.160 | .170 | | | | | | | 1.0 |
| GRNL | BZ | 3975 | 285 | EP | | 1031 | 48.01 | -.030 | | | | | | | 1.0 |
| GRNL | BN | 3975 | 285 | IAMs_20 | | 1045 | 18.63 | | | 1950000 | 15.1 | | | | |
| MORF | BZ | 4005 | 283 | EP | | 1031 | 50.33 | -.110 | | | | | | | 1.0 |
| MORF | BN | 4005 | 283 | ES | | 1037 | 30.350 | .060 | | | | | | | 1.0 |
| MORF | BN | 4005 | 283 | IAMs_20 | | 1041 | 26.89 | | | 5653000 | 59.3 | | | | |
| GGNV | BZ | 4008 | 286 | EP | | 1031 | 50.35 | -.190 | | | | | | | 1.0 |
| GGNV | BN | 4008 | 286 | ES | | 1037 | 30.690 | .210 | | | | | | | 1.0 |
| GGNV | BN | 4008 | 286 | IAMs_20 | | 1049 | 2.22 | | | 2276000 | 18.4 | | | | |

February 6 2023 Hour: 10:35 58.6 Lat: 38.18N Lon: 37.77E Depth: 9F Agency: IGL Distant
Rms: 0.1 secs

CENTRAL TURKEY Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3997 | 284 | EP | | 1042 | 59.32 | -.140 | | | | | | | 1.0 |
| GRNL | BZ | 4019 | 285 | EP | | 1043 | 1.230 | .100 | | | | | | | 1.0 |
| MORF | BZ | 4049 | 283 | EP | | 1043 | 3.600 | .030 | | | | | | | 1.0 |

February 6 2023 Hour: 10:51 31.4 Lat: 38.12N Lon: 38.05E Depth: 12F Agency: IGL Distant
Rms: 0.0 secs

EASTERN TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 4022 | 284 | EP | | 1058 | 33.67 | -.030 | | | | | | | 1.0 |
| GRNL | BZ | 4044 | 285 | EP | | 1058 | 35.410 | .040 | | | | | | | 1.0 |
| MORF | BZ | 4075 | 284 | EP | | 1058 | 37.80 | -.000 | | | | | | | 1.0 |

February 6 2023 Hour: 11: 5 35.3 Lat: 37.92N Lon: 36.69E Depth: 10F Agency: IGL Distant
Rms: 0.1 secs

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3912 | 284 | EP | | 1112 | 29.31 | -.080 | | | | | | | 1.0 |
| GRNL | BZ | 3934 | 285 | EP | | 1112 | 31.190 | .080 | | | | | | | 1.0 |

February 6 2023 Hour: 12: 2 11.4 Lat: 38.06N Lon: 36.54E Depth: 10F Agency: IGL Distant
Magnitudes: 5.9Mb IGL Rms: 0.1 secs

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3895 | 284 | EP | | 12 9 | 4.18 | -.050 | | | | | | | 1.0 |
| GRNL | BZ | 3918 | 284 | EP | | 12 9 | 6.030 | .090 | | | | | | | 1.0 |
| GRNL | BZ | 3918 | 284 | IAmb | | 12 9 | 6.91 | | | 84 | 1.0 | | | | |

| | | | | | | | | | | | | | | | | |
|-----------------------|------|-----------|--|--|--|--|--|--|-----|-----|--|--|--|--|--|-----|
| MORF BZ 3948 283 EP | 12 9 | 8.16-.160 | | | | | | | | | | | | | | 1.0 |
| MORF BZ 3948 283 IAMB | 12 9 | 9.91 | | | | | | | 254 | 1.6 | | | | | | |
| GGNV BZ 3951 286 EP | 12 9 | 8.580.120 | | | | | | | | | | | | | | 1.0 |
| GGNV BZ 3951 286 IAMB | 12 9 | 10.43 | | | | | | | 271 | 0.6 | | | | | | |

February 6 2023 Hour: 13:39 24.3 Lat: 38.03N Lon: 37.78E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.0 secs

CENTRAL TURKEY Net: GFZ

| STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT | | | | | | | | | | | | | | | | |
|--|-----------------|--|--|--|--|--|--|--|----|-----|--|--|--|--|--|-----|
| MESJ BZ 4002 284 EP | 1346 25.340.020 | | | | | | | | | | | | | | | 1.0 |
| GRNL BZ 4024 285 EP | 1346 26.99-.020 | | | | | | | | | | | | | | | 1.0 |
| GRNL BZ 4024 285 IAMB | 1346 30.68 | | | | | | | | 72 | 1.6 | | | | | | |

February 6 2023 Hour: 15:33 32.7 Lat: 38.16N Lon: 38.19E Depth: 9F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs

EASTERN TURKEY Net: NEIC

| STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT | | | | | | | | | | | | | | | | |
|--|-----------------|--|--|--|--|--|--|--|----|-----|--|--|--|--|--|-----|
| MESJ BZ 4033 284 EP | 1540 36.390.130 | | | | | | | | | | | | | | | 1.0 |
| GRNL BZ 4055 285 EP | 1540 37.80-.130 | | | | | | | | | | | | | | | 1.0 |
| GRNL BZ 4055 285 IAMB | 1540 40.41 | | | | | | | | 64 | 1.4 | | | | | | |

February 6 2023 Hour: 20:37 52.2 Lat: 37.17N Lon: 37.08E Depth: 10F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.0 secs

CENTRAL TURKEY Net: NEIC

| STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT | | | | | | | | | | | | | | | | |
|--|-----------------|--|--|--|--|--|--|--|-----|-----|--|--|--|--|--|-----|
| MESJ BZ 3966 285 EP | 2044 50.50-.010 | | | | | | | | | | | | | | | 1.0 |
| GRNL BZ 3990 286 EP | 2044 52.27-.010 | | | | | | | | | | | | | | | 1.0 |
| GRNL BZ 3990 286 IAMB | 2044 55.62 | | | | | | | | 31 | 0.6 | | | | | | |
| MORF BZ 4018 284 EP | 2044 54.530.020 | | | | | | | | | | | | | | | 1.0 |
| MORF BZ 4018 284 IAMB | 2044 57.84 | | | | | | | | 106 | 1.7 | | | | | | |

February 6 2023 Hour: 20:36 34.8 Lat: 36.57N Lon: 11.07W Depth: 4F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT | | | | | | | | | | | | | | | | |
|--|-----------------|--|--|--|--|--|--|--|---|-----|--|--|--|--|--|-----|
| MORF HZ 230 69 EP | 2037 8.560.080 | | | | | | | | | | | | | | | 1.0 |
| GRNL CZ 280 52 EP | 2037 14.39-.200 | | | | | | | | | | | | | | | 1.0 |
| GRNL CN 280 52 ES | 2037 43.760.120 | | | | | | | | | | | | | | | 1.0 |
| GRNL CN 280 52 IAML | 2037 45.84 | | | | | | | | 3 | 0.2 | | | | | | |

February 6 2023 Hour: 21:15 17.5 Lat: 38.06N Lon: 37.08E Depth: 6F Agency: IGL Distant
Magnitudes: 1.6ML IGL Rms: 0.0 secs

CENTRAL TURKEY Net: NEIC

| STAT CO DIST AZI PHASE P HRMN SECON TRES CODA AMPL PERI BAZ ARES VELO WT | | | | | | | | | | | | | | | | |
|--|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|
| GRNL BZ 3964 285 EP | 2122 16.160.000 | | | | | | | | | | | | | | | 1.0 |

February 7 2023 Hour: 0:25 44.0 Lat: 36.67N Lon: 9.76W Depth: 25F 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 121 54 EP | 026 2.18-.010 | | | | | | | | | | | | | | | 1.0 |
| MORF HN 121 54 ES | 026 15.500.040 | | | | | | | | | | | | | | | 1.0 |
| MORF HN 121 54 IAML | 026 16.18 | | | | | | | | 24 | 0.1 | | | | | | |
| MESJ HZ 188 46 EP | 026 10.50-.020 | | | | | | | | | | | | | | | 1.0 |
| MESJ HN 188 46 ES | 026 29.880.010 | | | | | | | | | | | | | | | 1.0 |
| GRNL CZ 191 33 EP | 026 10.77-.110 | | | | | | | | | | | | | | | 1.0 |
| GRNL CN 191 33 ES | 026 30.560.080 | | | | | | | | | | | | | | | 1.0 |
| GRNL CN 191 33 IAML | 026 31.53 | | | | | | | | 8 | 0.2 | | | | | | |

February 7 2023 Hour: 2:47 37.2 Lat: 35.94N Lon: 35.98E Depth: 10F Agency: IGL Distant
Rms: 0.0 secs

NEAR THE COAST OF SYRIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3909 | 287 | EP | | 254 | 31.110 | .000 | | | | | | | 1.0 |
| GRNL | BZ | 3934 | 287 | EP | | 254 | 33.00 | -.000 | | | | | | | 1.0 |

February 7 2023 Hour: 3:13 12.4 Lat: 37.76N Lon: 37.73E Depth: 10F Agency: IGL Distant
Magnitudes: 5.2Mb IGL Rms: 0.1 secs

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 4005 | 285 | EP | | 320 | 13.59 | -.080 | | | | | | | 1.0 |
| GRNL | BZ | 4027 | 285 | EP | | 320 | 15.400 | .020 | | | | | | | 1.0 |
| GRNL | BZ | 4027 | 285 | IAmb | | 320 | 19.63 | | | 37 | 1.0 | | | | |
| MORF | BZ | 4057 | 284 | EP | | 320 | 17.800 | .060 | | | | | | | 1.0 |
| MORF | BZ | 4057 | 284 | IAmb | | 320 | 22.23 | | | 46 | 1.1 | | | | |

February 7 2023 Hour: 7:11 13.9 Lat: 38.12N Lon: 38.67E Depth: 7F Agency: IGL Distant
Magnitudes: 5.4Mb IGL Rms: 0.1 secs

EASTERN TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 4075 | 284 | EP | | 718 | 21.010 | .010 | | | | | | | 1.0 |
| GRNL | BZ | 4097 | 285 | EP | | 718 | 22.56 | -.090 | | | | | | | 1.0 |
| GRNL | BZ | 4097 | 285 | IAmb | | 718 | 25.55 | | | 74 | 1.2 | | | | |
| MORF | BZ | 4128 | 284 | EP | | 718 | 25.180 | .080 | | | | | | | 1.0 |
| MORF | BZ | 4128 | 284 | IAmb | | 718 | 27.02 | | | 133 | 1.5 | | | | |

February 7 2023 Hour: 8:49 36.8 Lat: 49.47N Lon: 28.42W Depth: 10F Agency: IGL Distant
Magnitudes: 4.2Ms IGL Rms: 0.0 secs

NORTHERN MID-ATLANTIC RIDGE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 2068 | 121 | EP | | 853 | 54.240 | .050 | | | | | | | 1.0 |
| MORF | BZ | 2084 | 123 | EP | | 853 | 55.77 | -.050 | | | | | | | 1.0 |
| MORF | BE | 2084 | 123 | IAMs_20 | | 858 | 55.98 | | | 1762 | 26.1 | | | | |

February 7 2023 Hour: 15:32 31.5 Lat: 37.34N Lon: 8.55W Depth: 14F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NE MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 10 | 247 | EP | | 1532 | 34.03 | -.320 | | | | | | | 1.0 |
| MORF | HE | 10 | 247 | ES | | 1532 | 36.550 | .150 | | | | | | | 1.0 |
| MORF | HE | 10 | 247 | IAML | | 1532 | 37.30 | | | 59 | 0.1 | | | | |
| MESJ | HZ | 63 | 28 | EP | | 1532 | 41.850 | .110 | | | | | | | 1.0 |
| MESJ | HE | 63 | 28 | ES | | 1532 | 49.220 | .030 | | | | | | | 1.0 |
| GRNL | CZ | 85 | 359 | EP | | 1532 | 45.220 | .060 | | | | | | | 1.0 |
| GRNL | CN | 85 | 359 | ES | | 1532 | 55.07 | -.030 | | | | | | | 1.0 |
| GRNL | CN | 85 | 359 | IAML | | 1532 | 55.84 | | | 17 | 0.1 | | | | |

February 7 2023 Hour: 22:38 0.3 Lat: 37.33N Lon: 8.60W Depth: 13F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

NW MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 5 | 238 | EP | | 2238 | 2.56 | -.120 | | | | | | | 1.0 |
| MORF | HE | 5 | 238 | ES | | 2238 | 4.500 | .120 | | | | | | | 1.0 |
| MORF | HN | 5 | 238 | IAML | | 2238 | 5.08 | | | 41 | 0.2 | | | | |

February 8 2023 Hour: 11:11 53.4 Lat: 37.95N Lon: 37.65E Depth: 8F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3993 | 284 | EP | | 1118 | 54.100 | .030 | | | | | | | 1.0 |
| GRNL | BZ | 4015 | 285 | EP | | 1118 | 55.74 | -.030 | | | | | | | 1.0 |
| GRNL | BZ | 4015 | 285 | IAmb | | 1118 | 57.00 | | | 27 | 1.1 | | | | |

February 8 2023 Hour: 20: 8 49.5 Lat: 35.88N Lon: 8.67W Depth: 38F 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 | 158 | 1 | EP | | 20 9 | 12.080 | .180 | | | | | | | 1.0 |
| MORF | HN | 158 | 1 | ES | | 20 9 | 28.16 | -.120 | | | | | | | 1.0 |
| MORF | HN | 158 | 1 | IAML | | 20 9 | 29.60 | | 4 | 0.1 | | | | | |
| GRNL | CN | 247 | 2 | ES | | 20 9 | 47.34 | -.060 | | | | | | | 1.0 |
| GRNL | CN | 247 | 2 | IAML | | 20 9 | 49.86 | | 4 | 0.1 | | | | | |

February 9 2023 Hour: 0:37 52.0 Lat: 36.29N Lon: 10.61W 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 |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 272 | 41 | EP | | 038 | 29.17 | -.060 | | | | | | | 1.0 |
| GRNL | CN | 272 | 41 | ES | | 038 | 56.490 | .060 | | | | | | | 1.0 |
| GRNL | CN | 272 | 41 | IAML | | 038 | 57.82 | | 4 | 0.1 | | | | | |

February 9 2023 Hour: 12:53 32.2 Lat: 39.10N Lon: 10.31W Depth: 45F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

NORTH ATLANTIC OCEAN Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 187 | 125 | EP | | 1253 | 58.19 | -.100 | | | | | | | 1.0 |
| GRNL | CN | 187 | 125 | ES | | 1254 | 17.30 | -.010 | | | | | | | 1.0 |
| GRNL | CE | 187 | 125 | IAML | | 1254 | 19.71 | | 12 | 0.2 | | | | | |
| MESJ | HZ | 230 | 127 | EP | | 1254 | 3.55 | -.000 | | | | | | | 1.0 |
| MESJ | HN | 230 | 127 | ES | | 1254 | 26.530 | .110 | | | | | | | 1.0 |

February 9 2023 Hour: 23:54 38.2 Lat: 36.60N Lon: 9.76W Depth: 38F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 126 | 51 | EP | | 2354 | 56.660 | .050 | | | | | | | 1.0 |
| MORF | HE | 126 | 51 | ES | | 2355 | 10.080 | .020 | | | | | | | 1.0 |
| MORF | HN | 126 | 51 | IAML | | 2355 | 10.86 | | 17 | 0.1 | | | | | |
| MESJ | HZ | 194 | 44 | EP | | 2355 | 5.030 | .020 | | | | | | | 1.0 |
| MESJ | HN | 194 | 44 | ES | | 2355 | 24.54 | -.050 | | | | | | | 1.0 |
| GRNL | CZ | 198 | 32 | EP | | 2355 | 5.34 | -.150 | | | | | | | 1.0 |
| GRNL | CN | 198 | 32 | ES | | 2355 | 25.520 | .110 | | | | | | | 1.0 |
| GRNL | CN | 198 | 32 | IAML | | 2355 | 26.69 | | 16 | 0.1 | | | | | |

February 10 2023 Hour: 6:19 37.3 Lat: 37.51N Lon: 9.13W Depth: 14F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

NW ALJEZUR, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 49 | 119 | EP | | 619 | 45.30 | -.090 | | | | | | | 1.0 |
| GRNL | CZ | 83 | 37 | EP | | 619 | 50.750 | .230 | | | | | | | 1.0 |
| GRNL | CN | 83 | 37 | ES | | 620 | 0.220 | .070 | | | | | | | 1.0 |
| GRNL | CE | 83 | 37 | IAML | | 620 | 1.17 | | 9 | 0.1 | | | | | |
| MESJ | HZ | 88 | 66 | EP | | 619 | 51.31 | -.080 | | | | | | | 1.0 |
| MESJ | HN | 88 | 66 | ES | | 620 | 1.51 | -.140 | | | | | | | 1.0 |

February 10 2023 Hour: 10: 3 7.0 Lat: 37.40N Lon: 13.49W Depth: 10F 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 441 | 78 | EP | | 10 4 | 2.09 | 0.17 | | | | | | | 1.0 |
| GRNL | CN | 441 | 78 | ES | | 10 4 | 41.83 | -0.17 | | | | | | | 1.0 |
| GRNL | CN | 441 | 78 | IAML | | 10 4 | 43.89 | | 6 | 0.2 | | | | | |

February 11 2023 Hour: 4:54 40.7 Lat: 37.90N Lon: 8.66W Depth: 1 Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

SE SANTIAGO DO CACEM, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 24 | 19 | EP | | 454 | 44.53 | -.090 | | | | | | | 1.0 |
| GRNL | CN | 24 | 19 | ES | | 454 | 47.500 | .020 | | | | | | | 1.0 |
| GRNL | CN | 24 | 19 | IAML | | 454 | 47.67 | | | 107 | 0.1 | | | | |
| MESJ | HN | 39 | 100 | ES | | 454 | 51.730 | .070 | | | | | | | 1.0 |
| MESJ | HN | 39 | 100 | IAML | | 454 | 53.45 | | | 6 | 0.2 | | | | |

February 11 2023 Hour: 8:55 8.0 Lat: 3.62N Lon: 126.69E Depth: 49F Agency: IGL Distant
Magnitudes: 5.9Ms IGL Rms: 0.1 secs

KEPULAUAN TALAUD, INDONESIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|---------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ13503 | 319 | | EPP | | 915 | 26.65 | -.050 | | | | | | | 1.0 |
| MESJ | BZ13503 | 319 | | IAMs_20 | | 1016 | 19.14 | | | 2206 | 13.4 | | | | |
| GRNL | BZ13512 | 319 | | EPP | | 915 | 27.12 | -.080 | | | | | | | 1.0 |
| GRNL | BZ13512 | 319 | | IAMs_20 | | 1013 | 42.75 | | | 2255 | 22.2 | | | | |
| MORF | BZ13568 | 319 | | EPP | | 915 | 30.870 | .140 | | | | | | | 1.0 |
| MORF | BZ13568 | 319 | | IAMs_20 | | 1013 | 12.29 | | | 3531 | 26.8 | | | | |

February 11 2023 Hour: 12:3 29.6 Lat: 36.69N Lon: 7.60W Depth: 24F 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 | 139 | 337 | EP | | 12 3 | 50.130 | .040 | | | | | | | 1.0 |
| MESJ | HN | 139 | 337 | ES | | 12 4 | 5.050 | .020 | | | | | | | 1.0 |
| MESJ | HN | 139 | 337 | IAML | | 12 4 | 6.45 | | | 3 | 0.1 | | | | |
| GRNL | CZ | 179 | 332 | EP | | 12 3 | 55.02 | -.070 | | | | | | | 1.0 |

February 11 2023 Hour: 13:7 39.3 Lat: 38.89N Lon: 8.29W Depth: 3F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

SW MORA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 91 | 196 | EP | | 13 7 | 53.970 | .050 | | | | | | | 1.0 |
| GRNL | CN | 91 | 196 | ES | | 13 8 | 4.600 | .000 | | | | | | | 1.0 |
| GRNL | CN | 91 | 196 | IAML | | 13 8 | 7.33 | | | 92 | 0.2 | | | | |
| MESJ | HZ | 117 | 177 | EP | | 13 7 | 58.350 | .150 | | | | | | | 1.0 |
| MESJ | HN | 117 | 177 | ES | | 13 8 | 12.070 | .070 | | | | | | | 1.0 |
| MESJ | HE | 117 | 177 | IAML | | 13 8 | 13.96 | | | 51 | 0.2 | | | | |
| MORF | HZ | 179 | 190 | EPg | | 13 8 | 8.20 | -.030 | | | | | | | 1.0 |
| MORF | HE | 179 | 190 | ESg | | 13 8 | 29.09 | -.260 | | | | | | | 1.0 |
| MORF | HN | 179 | 190 | IAML | | 13 8 | 30.62 | | | 34 | 0.2 | | | | |

February 11 2023 Hour: 22:39 18.8 Lat: 35.40N Lon: 11.46W Depth: 10F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HE | 396 | 46 | IAML | | 2240 | 54.26 | | | 3 | 0.1 | | | | |
| GRNL | CN | 396 | 40 | ES | | 2240 | 51.710 | .190 | | | | | | | 1.0 |
| MESJ | HE | 396 | 46 | ES | | 2240 | 51.58 | -.040 | | | | | | | 1.0 |
| GRNL | CZ | 396 | 40 | EP | | 2240 | 12.23 | -.150 | | | | | | | 1.0 |
| GRNL | CN | 396 | 40 | IAML | | 2240 | 54.00 | | | 12 | 0.1 | | | | |

February 12 2023 Hour: 6:59 32.2 Lat: 35.02N Lon: 3.90W Depth: 11F Agency: IGL Regional
Rms: 0.1 secs

MOROCCO Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 497 | 302 | EP | | 7 0 | 37.99 | -.070 | | | | | | | 1.0 |
| MESJ | HZ | 498 | 310 | EP | | 7 0 | 38.10 | -.020 | | | | | | | 1.0 |
| GRNL | CZ | 540 | 311 | EP | | 7 0 | 43.370 | .100 | | | | | | | 1.0 |

February 12 2023 Hour: 8:36 46.8 Lat: 34.95N Lon: 3.92W Depth: 1 Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 502 | 311 | EP | | 837 | 54.210 | .000 | | | | | | | 1.0 |
| GRNL | CZ | 544 | 311 | EP | | 837 | 59.36- | .000 | | | | | | | 1.0 |
| GRNL | CN | 544 | 311 | ES | | 838 | 52.31- | .000 | | | | | | | 1.0 |
| GRNL | CE | 544 | 311 | IAML | | 838 | 55.06 | | | 15 | 0.2 | | | | |

February 13 2023 Hour: 9:18 9.3 Lat: 29.52S Lon: 177.97W Depth: 374F Agency: IGL Distant
Rms: 0.0 secs

KERMADEC ISLANDS, NEW ZEALAND Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|-------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 18655 | 43 | EPKP | | 937 | 30.67- | .000 | | | | | | | 1.0 |

February 13 2023 Hour: 19:41 4.3 Lat: 36.64N Lon: 9.71W Depth: 14F Agency: IGL Regional
Magnitudes: 1.4ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MORF | HZ | 120 | 52 | EP | | 1941 | 23.250 | .110 | | | | | | | 1.0 |
| GRNL | CZ | 192 | 31 | EP | | 1941 | 31.98- | .220 | | | | | | | 1.0 |
| GRNL | CN | 192 | 31 | ES | | 1941 | 52.650 | .100 | | | | | | | 1.0 |
| GRNL | CN | 192 | 31 | IAML | | 1941 | 53.52 | | | 3 | 0.2 | | | | |

February 14 2023 Hour: 2:18 56.0 Lat: 37.51N Lon: 7.66W Depth: 17F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

S MERTOLA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 62 | 306 | EP | | 219 | 6.160 | .030 | | | | | | | 1.0 |
| MESJ | HN | 62 | 306 | ES | | 219 | 13.520 | .020 | | | | | | | 1.0 |
| MESJ | HN | 62 | 306 | IAML | | 219 | 15.06 | | | 3 | 0.1 | | | | |
| GRNL | CN | 104 | 310 | ES | | 219 | 24.52- | .050 | | | | | | | 1.0 |
| GRNL | CE | 104 | 310 | IAML | | 219 | 26.46 | | | 4 | 0.1 | | | | |

February 14 2023 Hour: 2:40 27.3 Lat: 37.52N Lon: 7.64W Depth: 20F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.2 secs

SE MERTOLA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 62 | 305 | EP | | 240 | 37.770 | .210 | | | | | | | 1.0 |
| MESJ | HE | 62 | 305 | ES | | 240 | 45.060 | .000 | | | | | | | 1.0 |
| MESJ | HN | 62 | 305 | IAML | | 240 | 46.86 | | | 48 | 0.2 | | | | |
| MORF | HZ | 93 | 255 | EP | | 240 | 41.93- | .180 | | | | | | | 1.0 |
| MORF | HN | 93 | 255 | ES | | 240 | 52.990 | .070 | | | | | | | 1.0 |
| MORF | HN | 93 | 255 | IAML | | 240 | 54.27 | | | 40 | 0.2 | | | | |
| GRNL | CZ | 105 | 309 | EP | | 240 | 43.57- | .210 | | | | | | | 1.0 |
| GRNL | CN | 105 | 309 | ES | | 240 | 55.930 | .110 | | | | | | | 1.0 |
| GRNL | CN | 105 | 309 | IAML | | 240 | 58.02 | | | 33 | 0.3 | | | | |

February 14 2023 Hour: 13:16 54.6 Lat: 45.05N Lon: 23.03E Depth: 40F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.1 secs

ROMANIA Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 2712 | 264 | EP | | 1322 | 9.150 | .070 | | | | | | | 1.0 |
| MESJ | BZ | 2712 | 264 | IAMs_20 | | 1334 | 13.47 | | | 8031 | 15.8 | | | | |
| GRNL | BZ | 2726 | 265 | EP | | 1322 | 10.07- | .140 | | | | | | | 1.0 |
| GRNL | BE | 2726 | 265 | IAMs_20 | | 1333 | 47.66 | | | 9250 | 15.6 | | | | |
| MORF | BZ | 2773 | 263 | EP | | 1322 | 14.220 | .060 | | | | | | | 1.0 |
| MORF | BE | 2773 | 263 | IAMs_20 | | 1334 | 11.63 | | | 5481 | 12.0 | | | | |

February 14 2023 Hour: 19:58 26.5 Lat: 37.15N Lon: 14.33W Depth: 10F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 520 | 76 | EP | | 1959 | 30.83 | -.210 | | | | | | | 1.0 |
| GRNL | CN | 520 | 76 | ES | | 20 0 | 18.400 | .270 | | | | | | | 1.0 |
| GRNL | CN | 520 | 76 | IAML | | 20 0 | 21.08 | | | 4 | 0.3 | | | | |
| MESJ | HZ | 546 | 80 | EP | | 1959 | 34.20 | -.060 | | | | | | | 1.0 |

February 15 2023 Hour: 16:37 0.3 Lat: 35.71N Lon: 3.63W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 473 | 301 | EP | | 1638 | 4.23 | -.070 | | | | | | | 1.0 |
| GRNL | CZ | 514 | 303 | EP | | 1638 | 9.370 | .070 | | | | | | | 1.0 |

February 15 2023 Hour: 19:38 21.6 Lat: 37.61N Lon: 8.47W Depth: 12F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

E ODEMIRA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 34 | 40 | EP | | 1938 | 27.420 | .060 | | | | | | | 1.0 |
| MESJ | HN | 34 | 40 | ES | | 1938 | 31.53 | -.070 | | | | | | | 1.0 |
| MESJ | HN | 34 | 40 | IAML | | 1938 | 31.84 | | | 14 | 0.2 | | | | |
| MORF | HZ | 37 | 206 | EP | | 1938 | 28.020 | .120 | | | | | | | 1.0 |
| MORF | HN | 37 | 206 | ES | | 1938 | 32.45 | -.090 | | | | | | | 1.0 |
| MORF | HE | 37 | 206 | IAML | | 1938 | 33.60 | | | 10 | 0.1 | | | | |
| GRNL | CZ | 56 | 351 | EP | | 1938 | 30.780 | .020 | | | | | | | 1.0 |
| GRNL | CN | 56 | 351 | ES | | 1938 | 37.45 | -.030 | | | | | | | 1.0 |
| GRNL | CN | 56 | 351 | IAML | | 1938 | 37.56 | | | 7 | 0.1 | | | | |

February 16 2023 Hour: 4:11 60.0 Lat: 37.01N Lon: 8.42W Depth: 16F Agency: IGL Regional
Magnitudes: 0.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 39 | 328 | EP | | 412 | 6.54 | -.170 | | | | | | | 1.0 |
| MORF | HE | 39 | 328 | ES | | 412 | 11.770 | .160 | | | | | | | 1.0 |
| MORF | HE | 39 | 328 | IAML | | 412 | 12.22 | | | 6 | 0.1 | | | | |
| MESJ | HE | 94 | 11 | ES | | 412 | 25.870 | .010 | | | | | | | 1.0 |
| MESJ | HE | 94 | 11 | IAML | | 412 | 26.62 | | | 2 | 0.1 | | | | |

February 16 2023 Hour: 5:39 1.8 Lat: 37.32N Lon: 8.51W Depth: 10F Agency: IGL Regional
Magnitudes: 0.4ML IGL Rms: 0.1 secs

E MONCHIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 13 | 262 | EP | | 539 | 4.49 | -.090 | | | | | | | 1.0 |
| MORF | HN | 13 | 262 | ES | | 539 | 6.660 | .090 | | | | | | | 1.0 |
| MORF | HN | 13 | 262 | IAML | | 539 | 6.83 | | | 12 | 0.2 | | | | |

February 16 2023 Hour: 5:37 5.6 Lat: 15.09S Lon: 167.03E Depth: 36F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.0 secs

VANUATU Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|------|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ17445 | 351 | EP | KPab | | 557 | 26.49 | -.020 | | | | | | | 1.0 |
| GRNL | BZ17445 | 351 | IAMs | _20 | | 723 | 53.56 | | | 1088 | 16.6 | | | | |
| MESJ | BZ17468 | 350 | EP | KPab | | 557 | 27.460 | .020 | | | | | | | 1.0 |
| MESJ | BZ17468 | 350 | IAMs | _20 | | 719 | 40.77 | | | 848 | 10.6 | | | | |
| MORF | BZ17534 | 351 | EP | KPab | | 557 | 30.05 | -.000 | | | | | | | 1.0 |
| MORF | BZ17534 | 351 | IAMs | _20 | | 721 | 21.94 | | | 1209 | 15.2 | | | | |

February 16 2023 Hour: 8:48 24.2 Lat: 37.72N Lon: 8.68W Depth: 13F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NW ODEMIRA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 43 | 71 | EP | | 848 | 31.430 | .080 | | | | | | | 1.0 |
| MESJ | HN | 43 | 71 | ES | | 848 | 36.640 | .050 | | | | | | | 1.0 |
| MESJ | HE | 43 | 71 | IAML | | 848 | 38.63 | | | 3 | 0.1 | | | | |
| GRNL | CZ | 45 | 13 | EP | | 848 | 31.700 | .060 | | | | | | | 1.0 |
| GRNL | CN | 45 | 13 | ES | | 848 | 37.200 | .120 | | | | | | | 1.0 |
| GRNL | CN | 45 | 13 | IAML | | 848 | 37.36 | | | 21 | 0.2 | | | | |
| MORF | HZ | 46 | 177 | EP | | 848 | 31.61 | -.190 | | | | | | | 1.0 |
| MORF | HE | 46 | 177 | ES | | 848 | 37.24 | -.120 | | | | | | | 1.0 |
| MORF | HN | 46 | 177 | IAML | | 848 | 37.60 | | | 9 | 0.2 | | | | |

February 16 2023 Hour: 16:58 11.5 Lat: 37.62N Lon: 8.38W Depth: 3F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.0 secs

W OURIQUE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 56 | 343 | EP | | 1658 | 20.54 | -.040 | | | | | | | 1.0 |
| GRNL | CN | 56 | 343 | ES | | 1658 | 27.240 | .040 | | | | | | | 1.0 |
| GRNL | CN | 56 | 343 | IAML | | 1658 | 28.29 | | | 11 | 0.1 | | | | |

February 16 2023 Hour: 19:47 50.4 Lat: 36.23N Lon: 35.71E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

CENTRAL TURKEY Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3877 | 286 | EP | | 1954 | 41.770 | .010 | | | | | | | 1.0 |
| MESJ | BZ | 3877 | 286 | IAMB | | 1954 | 42.75 | | | 21 | 0.7 | | | | |
| GRNL | BZ | 3901 | 287 | EP | | 1954 | 43.62 | -.010 | | | | | | | 1.0 |
| GRNL | BZ | 3901 | 287 | IAMB | | 1954 | 48.19 | | | 44 | 1.5 | | | | |

February 17 2023 Hour: 9:37 34.1 Lat: 6.60S Lon: 132.08E Depth: 39F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.1 secs

TANIMBAR REGION, INDONESIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|---------|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ14744 | 317 | EPP | | | 959 | 7.700 | .050 | | | | | | | 1.0 |
| MESJ | BN14744 | 317 | ESS | | | 1016 | 45.610 | .150 | | | | | | | 1.0 |
| MESJ | BZ14744 | 317 | IAMs_20 | | | 1054 | 49.75 | | | 1810 | 20.1 | | | | |
| GRNL | BZ14755 | 317 | EPP | | | 959 | 8.17 | -.110 | | | | | | | 1.0 |
| GRNL | BE14755 | 317 | ESS | | | 1016 | 46.56 | -.080 | | | | | | | 1.0 |
| GRNL | BZ14755 | 317 | IAMs_20 | | | 1057 | 15.84 | | | 2022 | 18.4 | | | | |
| GGNV | BZ14762 | 318 | EPP | | | 959 | 8.63 | -.060 | | | | | | | 1.0 |
| MORF | BZ14807 | 316 | EPP | | | 959 | 11.410 | .060 | | | | | | | 1.0 |

February 17 2023 Hour: 10:35 45.4 Lat: 34.70N Lon: 3.74W Depth: 36F 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 574 | 313 | EP | | 1036 | 58.80 | -.010 | | | | | | | 1.0 |

February 17 2023 Hour: 17:35 56.0 Lat: 4.69S Lon: 155.05E Depth: 501F 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 |
|------|---------|------|------|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ15979 | 338 | EPKP | | | 1754 | 31.640 | .060 | | | | | | | 1.0 |
| MESJ | BZ15990 | 337 | EPKP | | | 1754 | 31.93 | -.060 | | | | | | | 1.0 |

February 18 2023 Hour: 3:46 0.4 Lat: 38.48N Lon: 7.84W Depth: 7F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.0 secs

SE EVORA, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CN | 76 | 237 | ES | | 346 | 21.770 | .040 | | | | | | | 1.0 |
| GRNL | CN | 76 | 237 | IAML | | 346 | 24.56 | | | 3 | 0.1 | | | | |
| MESJ | HZ | 79 | 205 | EP | | 346 | 13.13 | -.040 | | | | | | | 1.0 |
| MESJ | HN | 79 | 205 | ES | | 346 | 22.500 | .000 | | | | | | | 1.0 |
| MESJ | HN | 79 | 205 | IAML | | 346 | 25.36 | | | 4 | 0.2 | | | | |

February 18 2023 Hour: 17:32 57.0 Lat: 35.83N Lon: 25.52E Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

CRETE, GREECE Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3002 | 284 | EP | | 1738 | 39.090 | .000 | | | | | | | 1.0 |
| MESJ | BZ | 3002 | 284 | IAMB | | 1738 | 40.06 | | | 23 | 0.9 | | | | |

February 18 2023 Hour: 19:31 32.0 Lat: 38.02N Lon: 36.65E Depth: 10F Agency: IGL Distant
Magnitudes: 4.8Mb IGL Rms: 0.0 secs

CENTRAL TURKEY Net: CSEM

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 3928 | 284 | EP | | 1938 | 27.37 | -.000 | | | | | | | 1.0 |
| GRNL | BZ | 3928 | 284 | IAMB | | 1938 | 29.97 | | | 12 | 0.8 | | | | |

February 18 2023 Hour: 23:3 4.9 Lat: 17.53S Lon: 178.70W Depth: 548F Agency: IGL Distant
Rms: 0.0 secs

FIJI REGION Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ17555 | 21 | EPK | Pab | | 2322 | 34.96 | -.010 | | | | | | | 1.0 |
| MESJ | BZ17595 | 21 | EPK | Pab | | 2322 | 36.560 | .010 | | | | | | | 1.0 |

February 19 2023 Hour: 18:44 26.5 Lat: 36.28N Lon: 7.91W Depth: 12F 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 | 132 | 330 | EP | | 1844 | 47.06 | -.090 | | | | | | | 1.0 |
| GRNL | CZ | 211 | 344 | EP | | 1844 | 57.100 | .100 | | | | | | | 1.0 |

February 20 2023 Hour: 4:57 26.1 Lat: 36.01N Lon: 7.35W Depth: 32F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 217 | 339 | EP | | 457 | 55.940 | .050 | | | | | | | 1.0 |
| MESJ | HN | 217 | 339 | ES | | 458 | 17.49 | -.120 | | | | | | | 1.0 |
| MESJ | HN | 217 | 339 | IAML | | 458 | 19.27 | | | 3 | 0.1 | | | | |
| GRNL | CZ | 257 | 335 | EP | | 458 | 0.910 | .120 | | | | | | | 1.0 |
| GRNL | CE | 257 | 335 | ES | | 458 | 26.05 | -.050 | | | | | | | 1.0 |
| GRNL | CN | 257 | 335 | IAML | | 458 | 27.38 | | | 2 | 0.1 | | | | |

February 20 2023 Hour: 5:55 59.4 Lat: 36.75N Lon: 8.01W Depth: 32F Agency: IGL Regional
Magnitudes: 2.1ML 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 | 84 | 317 | EP | | 556 | 12.58 | -.040 | | | | | | | 1.0 |
| MORF | HN | 84 | 317 | ES | | 556 | 22.18 | -.100 | | | | | | | 1.0 |
| MORF | HN | 84 | 317 | IAML | | 556 | 22.81 | | | 54 | 0.1 | | | | |
| MESJ | HZ | 123 | 351 | EP | | 556 | 17.480 | .120 | | | | | | | 1.0 |
| MESJ | HN | 123 | 351 | ES | | 556 | 30.540 | .060 | | | | | | | 1.0 |
| MESJ | HN | 123 | 351 | IAML | | 556 | 31.50 | | | 41 | 0.2 | | | | |
| GRNL | CZ | 159 | 342 | EP | | 556 | 21.910 | .050 | | | | | | | 1.0 |
| GRNL | CN | 159 | 342 | ES | | 556 | 38.20 | -.070 | | | | | | | 1.0 |
| GRNL | CN | 159 | 342 | IAML | | 556 | 39.00 | | | 19 | 0.2 | | | | |

February 20 2023 Hour: 16:37 54.4 Lat: 36.59N Lon: 11.18W Depth: 27F Agency: IGL Regional
Magnitudes: 2.1ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 239 | 70 | EP | | 1638 | 27.08 | -.020 | | | | | | | 1.0 |
| MORF | HN | 239 | 70 | ES | | 1638 | 51.01 | 0.040 | | | | | | | 1.0 |
| MORF | HN | 239 | 70 | IAML | | 1638 | 51.92 | | | 10 | 0.2 | | | | |
| GRNL | CZ | 286 | 53 | EP | | 1638 | 32.89 | -.070 | | | | | | | 1.0 |
| GRNL | CN | 286 | 53 | ES | | 1639 | 1.33 | 0.210 | | | | | | | 1.0 |
| GRNL | CN | 286 | 53 | IAML | | 1639 | 3.14 | | | 15 | 0.1 | | | | |
| MESJ | HZ | 297 | 61 | EP | | 1638 | 34.25 | -.070 | | | | | | | 1.0 |
| MESJ | HN | 297 | 61 | ES | | 1639 | 3.39 | -.080 | | | | | | | 1.0 |
| MESJ | HN | 297 | 61 | IAML | | 1639 | 5.44 | | | 4 | 0.1 | | | | |

February 20 2023 Hour: 17: 4 29.4 Lat: 36.11N Lon: 36.02E Depth: 16F Agency: IGL Distant
Magnitudes: 6.2Ms IGL Rms: 0.1 secs

TURKEY-SYRIA BORDER REGION Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|-------|-------|------|-------|------|-----|------|------|-----|
| MESJ | BZ | 3907 | 286 | EP | | 1711 | 22.17 | -.030 | | | | | | | 1.0 |
| MESJ | BN | 3907 | 286 | ES | | 1716 | 55.34 | -.080 | | | | | | | 1.0 |
| MESJ | BZ | 3907 | 286 | IAMs_20 | | 1728 | 0.65 | | | 31080 | 14.4 | | | | |
| GRNL | BZ | 3932 | 287 | EP | | 1711 | 24.17 | 0.090 | | | | | | | 1.0 |
| GRNL | BN | 3932 | 287 | ES | | 1716 | 58.79 | 0.010 | | | | | | | 1.0 |
| GRNL | BZ | 3932 | 287 | IAMs_20 | | 1727 | 33.61 | | | 46212 | 20.1 | | | | |
| MORF | BZ | 3957 | 286 | EP | | 1711 | 26.13 | 0.060 | | | | | | | 1.0 |
| MORF | BN | 3957 | 286 | ES | | 1717 | 0.87 | -1.45 | | | | | | | 0.0 |
| MORF | BN | 3957 | 286 | IAMs_20 | | 1726 | 53.36 | | | 35986 | 27.5 | | | | |
| GGNV | BZ | 3969 | 288 | EP | | 1711 | 26.90 | -.050 | | | | | | | 1.0 |
| GGNV | BN | 3969 | 288 | ES | | 1717 | 3.92 | 0.020 | | | | | | | 1.0 |
| GGNV | BZ | 3969 | 288 | IAMs_20 | | 1728 | 5.78 | | | 61130 | 15.6 | | | | |

February 20 2023 Hour: 17: 5 39.4 Lat: 35.70N Lon: 10.15W Depth: 31F Agency: IGL Regional
Magnitudes: 3.9ML IGL Rms: 0.2 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 223 | 36 | EP | | 17 6 | 9.18 | 0.080 | | | | | | | 1.0 |
| MORF | HN | 223 | 36 | ES | | 17 6 | 30.81 | 0.000 | | | | | | | 1.0 |
| MORF | HN | 223 | 36 | IAML | | 17 6 | 33.19 | | | 830 | 0.1 | | | | |
| MESJ | HZ | 293 | 35 | EP | | 17 6 | 17.82 | -.000 | | | | | | | 1.0 |
| GRNL | CZ | 302 | 27 | EP | | 17 6 | 18.56 | -.350 | | | | | | | 1.0 |
| GRNL | CN | 302 | 27 | ES | | 17 6 | 47.86 | 0.080 | | | | | | | 1.0 |
| GRNL | CN | 302 | 27 | IAML | | 17 6 | 50.56 | | | 313 | 0.2 | | | | |
| GGNV | HN | 347 | 15 | ES | | 17 6 | 57.48 | 0.190 | | | | | | | 0.9 |
| GGNV | HN | 347 | 15 | IAML | | 17 7 | 1.68 | | | 505 | 0.3 | | | | |

February 21 2023 Hour: 1:43 35.3 Lat: 36.96N Lon: 13.59W Depth: 28F Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 440 | 84 | EP | | 144 | 30.01 | -.080 | | | | | | | 1.0 |
| MORF | HE | 440 | 84 | ES | | 145 | 10.29 | 0.160 | | | | | | | 1.0 |
| MORF | HN | 440 | 84 | IAML | | 145 | 12.06 | | | 7 | 0.1 | | | | |
| GRNL | CZ | 461 | 72 | EP | | 144 | 32.51 | -.140 | | | | | | | 1.0 |
| GRNL | CE | 461 | 72 | ES | | 145 | 14.61 | 0.060 | | | | | | | 1.0 |
| GRNL | CN | 461 | 72 | IAML | | 145 | 15.59 | | | 6 | 0.2 | | | | |

February 21 2023 Hour: 3:51 28.7 Lat: 2.61N Lon: 84.43W Depth: 10F Agency: IGL Distant
Magnitudes: 5.0Mb IGL Rms: 0.0 secs

OFF COAST OF CENTRAL AMERICA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 8602 | 52 | EP | | 4 3 | 23.55 | -.010 | | | | | | | 1.0 |
| GRNL | BZ | 8602 | 52 | IAMB | | 4 3 | 26.23 | | | 17 | 1.2 | | | | |

February 21 2023 Hour: 5:20 38.7 Lat: 36.51N Lon: 9.55W Depth: 15F Agency: IGL Regional
Magnitudes: 1.1ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 119 | 42 | EP | | 520 | 57.28 | -.140 | | | | | | | 1.0 |
| MORF | HN | 119 | 42 | ES | | 521 | 11.230 | .120 | | | | | | | 1.0 |
| MORF | HN | 119 | 42 | IAML | | 521 | 11.60 | | | 3 | 0.3 | | | | |
| GRNL | CN | 198 | 26 | ES | | 521 | 28.010 | .020 | | | | | | | 1.0 |
| GRNL | CN | 198 | 26 | IAML | | 521 | 28.84 | | | 2 | 0.1 | | | | |

February 21 2023 Hour: 5:35 27.3 Lat: 56.94N Lon: 153.14W Depth: 22F Agency: IGL Distant
Magnitudes: 5.3Ms IGL Rms: 0.1 secs

KODIAK ISLAND REGION, ALASKA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 8962 | 28 | EP | | 547 | 38.170 | .060 | | | | | | | 1.0 |
| GRNL | BN | 8962 | 28 | ES | | 557 | 44.580 | .110 | | | | | | | 1.0 |
| GRNL | BZ | 8962 | 28 | IAMs_20 | | 621 | 52.47 | | | 1910 | 25.3 | | | | |
| MORF | BZ | 9044 | 28 | EP | | 547 | 41.95 | -.170 | | | | | | | 1.0 |
| MORF | BE | 9044 | 28 | IAMs_20 | | 622 | 14.51 | | | 1357 | 24.9 | | | | |

February 21 2023 Hour: 6: 5 36.5 Lat: 27.76N Lon: 55.36E Depth: 21F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.0 secs

SOUTHERN IRAN Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 5974 | 298 | EP | | 614 | 56.91 | -.000 | | | | | | | 1.0 |
| GRNL | BZ | 5974 | 298 | IAMB | | 614 | 59.17 | | | 22 | 1.0 | | | | |

February 21 2023 Hour: 8:41 4.6 Lat: 64.72N Lon: 17.58W Depth: 10F Agency: IGL Distant
Magnitudes: 4.6Ms IGL Rms: 0.1 secs

ICELAND Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 3017 | 164 | EP | | 846 | 47.90 | -.000 | | | | | | | 1.0 |
| GRNL | BN | 3017 | 164 | ES | | 851 | 27.16 | -.170 | | | | | | | 1.0 |
| GRNL | BZ | 3017 | 164 | IAMs_20 | | 855 | 11.44 | | | 1170 | 14.7 | | | | |
| MORF | BZ | 3104 | 165 | EP | | 846 | 55.160 | .170 | | | | | | | 1.0 |

February 21 2023 Hour: 19:27 49.9 Lat: 37.17N Lon: 8.87W Depth: 15F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs

NE VILA DO BISPO, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 24 | 53 | EP | | 1927 | 54.40 | -.120 | | | | | | | 1.0 |
| MORF | HN | 24 | 53 | ES | | 1927 | 58.020 | .120 | | | | | | | 1.0 |
| MORF | HE | 24 | 53 | IAML | | 1927 | 58.58 | | | 3 | 0.2 | | | | |

February 21 2023 Hour: 20:51 12.2 Lat: 36.25N Lon: 7.89W Depth: 13F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 135 | 330 | EP | | 2051 | 33.11 | -.060 | | | | | | | 1.0 |
| GRNL | CZ | 214 | 344 | EP | | 2051 | 43.080 | .070 | | | | | | | 1.0 |

February 21 2023 Hour: 21: 2 19.4 Lat: 35.20N Lon: 6.02W Depth: 47F Agency: IGL Regional
Magnitudes: 0.1ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 333 | 315 | EP | | 21 3 | 3.30 | -.000 | | | | | | | 1.0 |

February 22 2023 Hour: 1:11 7.2 Lat: 27.77N Lon: 55.27E Depth: 10F Agency: IGL Distant
Magnitudes: 5.6Mb 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 |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 5966 | 298 | EP | | 120 | 28.79 | -.000 | | | | | | | 1.0 |
| GRNL | BZ | 5966 | 298 | IAMB | | 120 | 33.74 | | | 138 | 1.9 | | | | |

February 22 2023 Hour: 3:32 46.4 Lat: 37.08N Lon: 3.95W Depth: 7F Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 418 | 275 | EP | | 333 | 43.190 | .090 | | | | | | | 1.0 |
| GRNL | CZ | 423 | 287 | EP | | 333 | 43.61 | -.090 | | | | | | | 1.0 |

February 22 2023 Hour: 5:6 42.8 Lat: 37.20N Lon: 9.03W Depth: 30F Agency: IGL Regional
Magnitudes: 1.6ML IGL Rms: 0.1 secs

NW VILA DO BISPO, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|--------|-------|------|------|-----|------|------|-----|
| MORF | HZ | 35 | 70 | EP | | 5 | 6 | 49.92 | -.030 | | | | | | 1.0 |
| MORF | HE | 35 | 70 | ES | | 5 | 6 | 55.370 | .210 | | | | | | 1.0 |
| MORF | HN | 35 | 70 | IAML | | 5 | 6 | 55.81 | | 62 | 0.1 | | | | |
| GRNL | CZ | 109 | 22 | EP | | 5 | 6 | 58.99 | -.150 | | | | | | 1.0 |
| GRNL | CN | 109 | 22 | ES | | 5 | 7 | 11.02 | -.040 | | | | | | 1.0 |
| GRNL | CN | 109 | 22 | IAML | | 5 | 7 | 11.92 | | 8 | 0.1 | | | | |

February 22 2023 Hour: 9:8 30.0 Lat: 36.58N Lon: 11.06W Depth: 10F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|--------|-------|------|------|-----|------|------|-----|
| GRNL | CZ | 279 | 52 | EP | | 9 | 9 | 8.92 | -.130 | | | | | | 1.0 |
| GRNL | CN | 279 | 52 | ES | | 9 | 9 | 37.710 | .130 | | | | | | 1.0 |
| GRNL | CE | 279 | 52 | IAML | | 9 | 9 | 40.76 | | 4 | 0.2 | | | | |

February 22 2023 Hour: 9:34 4.8 Lat: 7.06S Lon: 129.46E Depth: 125F Agency: IGL Distant
Rms: 0.0 secs

KEPULAUAN BABAR, INDONESIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|--------|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | BZ14640 | 315 | EPKpdf | | | 953 | 2.24 | -.000 | | | | | | | 1.0 |

February 22 2023 Hour: 12:0 14.1 Lat: 36.95N Lon: 10.77W Depth: 8F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|--------|-------|------|------|-----|------|------|-----|
| MORF | HZ | 192 | 78 | EP | | 12 | 0 | 42.43 | -.200 | | | | | | 1.0 |
| MORF | HN | 192 | 78 | ES | | 12 | 1 | 3.530 | .050 | | | | | | 1.0 |
| MORF | HN | 192 | 78 | IAML | | 12 | 1 | 5.69 | | 11 | 0.1 | | | | |
| GRNL | CN | 233 | 56 | ES | | 12 | 1 | 12.370 | .150 | | | | | | 1.0 |
| GRNL | CN | 233 | 56 | IAML | | 12 | 1 | 15.82 | | 5 | | | | | |

February 22 2023 Hour: 19:48 46.9 Lat: 37.17N Lon: 9.02W Depth: 29F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.1 secs

NW VILA DO BISPO, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 36 | 66 | EP | | 1948 | 53.990 | .010 | | | | | | | 1.0 |
| MORF | HN | 36 | 66 | ES | | 1948 | 59.340 | .170 | | | | | | | 1.0 |
| MORF | HN | 36 | 66 | IAML | | 1948 | 59.79 | | | 10 | 0.1 | | | | |
| GRNL | CZ | 111 | 21 | EP | | 1949 | 3.44 | -.080 | | | | | | | 1.0 |
| GRNL | CN | 111 | 21 | ES | | 1949 | 15.58 | -.110 | | | | | | | 1.0 |
| GRNL | CN | 111 | 21 | IAML | | 1949 | 16.41 | | | 2 | 0.1 | | | | |

February 23 2023 Hour: 0:37 40.5 Lat: 38.07N Lon: 73.21E Depth: 21F Agency: IGL Distant
Magnitudes: 7.3Ms IGL Rms: 0.1 secs

TAJKISTAN Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|---------|---|------|--------|-------|--------|------|------|-----|------|------|-----|
| GRNL | BZ | 6915 | 298 | EP | | 048 | 0.49 | -.010 | | | | | | | 1.0 |
| GRNL | BN | 6915 | 298 | ES | | 056 | 25.800 | .060 | | | | | | | 1.0 |
| GRNL | BN | 6915 | 298 | IAMs_20 | | 114 | 58.23 | | 165000 | | 20.9 | | | | |
| GGNV | BZ | 6928 | 299 | EP | | 048 | 1.340 | .080 | | | | | | | 1.0 |
| GGNV | BN | 6928 | 299 | ES | | 056 | 27.10 | -.070 | | | | | | | 1.0 |
| GGNV | BE | 6928 | 299 | IAMs_20 | | 123 | 4.04 | | 162000 | | 12.3 | | | | |
| MORF | BZ | 6964 | 297 | EP | | 048 | 3.45 | -.060 | | | | | | | 1.0 |
| MORF | BN | 6964 | 297 | ES | | 056 | 31.38 | -.010 | | | | | | | 1.0 |
| MORF | BN | 6964 | 297 | IAMs_20 | | 115 | 20.64 | | 151000 | | 16.1 | | | | |

February 23 2023 Hour: 3:47 12.1 Lat: 37.53N Lon: 9.18W Depth: 4F Agency: IGL Regional
Magnitudes: 0.9ML IGL Rms: 0.0 secs

NW ALJEZUR, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 53 | 119 | EP | | 347 | 20.740 | .010 | | | | | | | 1.0 |
| MORF | HE | 53 | 119 | ES | | 347 | 27.00 | -.010 | | | | | | | 1.0 |
| MORF | HN | 53 | 119 | IAML | | 347 | 28.08 | | 8 | | 0.1 | | | | |

February 23 2023 Hour: 4:28 38.7 Lat: 36.78N Lon: 8.64W Depth: 26F 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 | 59 | 359 | EP | | 428 | 48.52 | -.140 | | | | | | | 1.0 |
| MORF | HE | 59 | 359 | ES | | 428 | 56.080 | .170 | | | | | | | 1.0 |
| MORF | HE | 59 | 359 | IAML | | 428 | 56.36 | | 12 | | 0.2 | | | | |
| GRNL | CE | 148 | 3 | ES | | 429 | 15.83 | -.040 | | | | | | | 1.0 |
| GRNL | CE | 148 | 3 | IAML | | 429 | 16.58 | | 2 | | 0.1 | | | | |

February 23 2023 Hour: 5:29 29.0 Lat: 35.47N Lon: 3.62W Depth: 19F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 530 | 305 | EP | | 530 | 38.170 | .000 | | | | | | | 1.0 |

February 23 2023 Hour: 10:29 46.9 Lat: 38.82N Lon: 8.59W Depth: 2F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs

SW CORUCHE, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 79 | 179 | EP | | 1029 | 59.67 | -.070 | | | | | | | 1.0 |
| GRNL | CN | 79 | 179 | ES | | 1030 | 9.160 | .070 | | | | | | | 1.0 |
| GRNL | CN | 79 | 179 | IAML | | 1030 | 11.92 | | 50 | | 0.1 | | | | |

February 23 2023 Hour: 20:2 49.0 Lat: 3.32N Lon: 128.15E Depth: 97F Agency: IGL Distant
Magnitudes: 5.8Ms IGL Rms: 0.1 secs

NORTH OF HALMAHERA, INDONESIA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|---------|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ13634 | 320 | EPKPdf | | | 2021 | 32.910 | .140 | | | | | | | 1.0 |
| MESJ | BZ13634 | 320 | EPP | | | 2023 | 10.54 | -.010 | | | | | | | 1.0 |
| MESJ | BN13634 | 320 | IAMs_20 | | | 21 7 | 52.46 | | 2562 | | 35.2 | | | | |
| GRNL | BZ13642 | 320 | EPKPdf | | | 2021 | 32.940 | .050 | | | | | | | 1.0 |
| GRNL | BZ13642 | 320 | EPP | | | 2023 | 10.99 | -.020 | | | | | | | 1.0 |
| GRNL | BE13642 | 320 | ESS | | | 2039 | 46.14 | -.080 | | | | | | | 1.0 |
| GRNL | BE13642 | 320 | IAMs_20 | | | 21 7 | 10.34 | | 3146 | | 27.7 | | | | |
| GGNV | BZ13643 | 321 | EPP | | | 2023 | 11.110 | .050 | | | | | | | 1.0 |
| MORF | BZ13700 | 319 | EPKPdf | | | 2021 | 33.87 | -.080 | | | | | | | 1.0 |
| MORF | BZ13700 | 319 | EPP | | | 2023 | 14.53 | -.060 | | | | | | | 1.0 |
| MORF | BE13700 | 319 | IAMs_20 | | | 21 7 | 7.96 | | 4257 | | 31.4 | | | | |

February 24 2023 Hour: 8:48 29.1 Lat: 36.83N Lon: 9.17W Depth: 30F Agency: IGL Regional
Magnitudes: 2.7ML IGL Rms: 0.1 secs

WEST OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 70 | 41 | EP | | 848 | 40.650 | .080 | | | | | | | 1.0 |
| MORF | HE | 70 | 41 | ES | | 848 | 48.80 | -.180 | | | | | | | 1.0 |
| MORF | HN | 70 | 41 | IAML | | 848 | 49.34 | | 253 | 0.2 | | | | | |
| MESJ | HZ | 140 | 37 | EP | | 848 | 49.450 | .190 | | | | | | | 1.0 |
| GRNL | CZ | 151 | 20 | EP | | 848 | 50.58 | -.080 | | | | | | | 1.0 |

February 24 2023 Hour: 9:15 8.8 Lat: 36.63N Lon: 8.04W Depth: 24F Agency: IGL Regional
Magnitudes: 3.4ML 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 | 92 | 324 | EP | | 915 | 23.33 | -.030 | | | | | | | 1.0 |
| MORF | HN | 92 | 324 | ES | | 915 | 34.040 | .010 | | | | | | | 1.0 |
| MORF | HE | 92 | 324 | IAML | | 915 | 37.29 | | 1076 | 0.2 | | | | | |
| MESJ | HZ | 135 | 353 | EP | | 915 | 28.860 | .120 | | | | | | | 1.0 |
| GRNL | CZ | 170 | 344 | EP | | 915 | 33.03 | -.100 | | | | | | | 1.0 |

February 24 2023 Hour: 15:50 11.7 Lat: 35.74N Lon: 4.69W Depth: 26F Agency: IGL Regional
Magnitudes: 1.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 396 | 297 | EP | | 1551 | 3.970 | .030 | | | | | | | 1.0 |
| GRNL | CZ | 435 | 308 | EP | | 1551 | 8.52 | -.120 | | | | | | | 1.0 |
| GRNL | CE | 435 | 308 | ES | | 1551 | 50.310 | .090 | | | | | | | 1.0 |
| GRNL | CN | 435 | 308 | IAML | | 1551 | 51.38 | | 2 | 0.1 | | | | | |

February 24 2023 Hour: 15:53 15.6 Lat: 35.38N Lon: 3.57W Depth: 11F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 497 | 305 | EP | | 1554 | 21.45 | -.040 | | | | | | | 1.0 |
| GRNL | CZ | 539 | 306 | EP | | 1554 | 26.600 | .040 | | | | | | | 1.0 |

February 24 2023 Hour: 16:1 20.4 Lat: 38.05N Lon: 1.85W Depth: 0 Agency: IGL Regional
Rms: 0.1 secs

SPAIN Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 560 | 270 | EP | | 16 2 | 35.020 | .010 | | | | | | | 1.0 |
| GRNL | CZ | 589 | 273 | EP | | 16 2 | 38.630 | .100 | | | | | | | 1.0 |
| MORF | HZ | 606 | 264 | EP | | 16 2 | 40.43 | -.110 | | | | | | | 1.0 |

February 25 2023 Hour: 2:31 24.9 Lat: 38.44N Lon: 8.88W Depth: 11F Agency: IGL Regional
Magnitudes: 1.3ML IGL Rms: 0.1 secs

S SETUBAL, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 46 | 143 | EP | | 231 | 32.520 | .010 | | | | | | | 1.0 |
| GRNL | CN | 46 | 143 | ES | | 231 | 38.140 | .040 | | | | | | | 1.0 |
| GRNL | CN | 46 | 143 | IAML | | 231 | 40.78 | | 15 | 0.1 | | | | | |
| MESJ | HZ | 89 | 139 | EP | | 231 | 38.84 | -.180 | | | | | | | 1.0 |
| MESJ | HN | 89 | 139 | ES | | 231 | 49.490 | .130 | | | | | | | 1.0 |
| MESJ | HN | 89 | 139 | IAML | | 231 | 51.01 | | 4 | 0.1 | | | | | |
| MORF | HN | 128 | 171 | ES | | 231 | 59.67 | -.000 | | | | | | | 1.0 |
| MORF | HN | 128 | 171 | IAML | | 232 | 0.28 | | 18 | 0.2 | | | | | |

February 25 2023 Hour: 3:55 26.3 Lat: 36.62N Lon: 7.28W Depth: 16F Agency: IGL Regional
Magnitudes: 0.8ML IGL Rms: 0.1 secs

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 159 | 329 | EP | | 355 | 49.90 | -.110 | | | | | | | 1.0 |
| MESJ | HN | 159 | 329 | ES | | 356 | 7.410 | .110 | | | | | | | 1.0 |
| MESJ | HE | 159 | 329 | IAML | | 356 | 8.03 | | | 1 | 0.1 | | | | |

February 25 2023 Hour: 4: 5 52.6 Lat: 38.44N Lon: 8.86W Depth: 10F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.2 secs

SE SETUBAL, PORTUGAL Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 45 | 145 | EP | | 4 6 | 0.040 | .000 | | | | | | | 1.0 |
| GRNL | CN | 45 | 145 | ES | | 4 6 | 5.43 | -.000 | | | | | | | 1.0 |
| GRNL | CN | 45 | 145 | IAML | | 4 6 | 6.48 | | | 8 | 0.1 | | | | |
| MESJ | HZ | 87 | 139 | EP | | 4 6 | 6.30 | -.330 | | | | | | | 1.0 |
| MESJ | HN | 87 | 139 | ES | | 4 6 | 16.980 | .140 | | | | | | | 1.0 |
| MESJ | HN | 87 | 139 | IAML | | 4 6 | 18.25 | | | 3 | 0.1 | | | | |
| MORF | HZ | 127 | 172 | EP | | 4 6 | 12.780 | .080 | | | | | | | 1.0 |
| MORF | HN | 127 | 172 | ES | | 4 6 | 27.470 | .120 | | | | | | | 1.0 |
| MORF | HN | 127 | 172 | IAML | | 4 6 | 28.87 | | | 5 | 0.1 | | | | |

February 25 2023 Hour: 11:16 16.2 Lat: 33.30N Lon: 15.33W Depth: 10F Agency: IGL Regional
Rms: 0.1 secs

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 752 | 52 | EP | | 1117 | 52.89 | -.060 | | | | | | | 1.0 |
| GRNL | CZ | 811 | 47 | EP | | 1117 | 59.950 | .070 | | | | | | | 1.0 |

February 25 2023 Hour: 13:27 42.0 Lat: 42.78N Lon: 145.07E Depth: 50F Agency: IGL Distant
Magnitudes: 6.0Ms IGL Rms: 0.1 secs

HOKKAIDO, JAPAN REGION Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|---------|------|---------|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GGNV | BZ10623 | 340 | EP | | | 1341 | 1.430 | .020 | | | | | | | 1.0 |
| GGNV | BZ10623 | 340 | IAMs_20 | | | 1427 | 58.38 | | | 5896 | 19.5 | | | | |
| GRNL | BZ10670 | 339 | EP | | | 1341 | 3.530 | .160 | | | | | | | 0.9 |
| GRNL | BZ10670 | 339 | EPP | | | 1344 | 56.34 | -.070 | | | | | | | 1.0 |
| GRNL | BN10670 | 339 | ESKSac | | | 1351 | 35.40 | -.020 | | | | | | | 1.0 |
| GRNL | BN10670 | 339 | IAMs_20 | | | 1423 | 1.75 | | | 4446 | 23.0 | | | | |
| MESJ | BZ10688 | 339 | EP | | | 1341 | 4.150 | .030 | | | | | | | 1.0 |
| MESJ | BZ10688 | 339 | EPP | | | 1344 | 57.67 | -.000 | | | | | | | 1.0 |
| MESJ | BN10688 | 339 | ESKSac | | | 1351 | 36.19 | -.100 | | | | | | | 1.0 |
| MESJ | BZ10688 | 339 | IAMs_20 | | | 1421 | 37.17 | | | 5700 | 26.6 | | | | |
| MORF | BZ10757 | 339 | EP | | | 1341 | 7.040 | .070 | | | | | | | 1.0 |
| MORF | BZ10757 | 339 | EPP | | | 1345 | 2.42 | -.070 | | | | | | | 1.0 |
| MORF | BE10757 | 339 | IAMs_20 | | | 1432 | 44.74 | | | 6130 | 20.5 | | | | |

February 25 2023 Hour: 18:32 35.0 Lat: 37.32N Lon: 8.61W Depth: 8F Agency: IGL Regional
Magnitudes: 0.8ML 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 | 249 | EP | | 1832 | 36.31 | -.260 | | | | | | | 1.0 |
| MORF | HN | 4 | 249 | ES | | 1832 | 37.930 | .230 | | | | | | | 1.0 |
| MORF | HN | 4 | 249 | IAML | | 1832 | 38.48 | | | 63 | 0.1 | | | | |
| MESJ | HZ | 67 | 30 | EP | | 1832 | 46.020 | .080 | | | | | | | 1.0 |
| GRNL | CZ | 88 | 2 | EP | | 1832 | 49.20 | -.020 | | | | | | | 1.0 |
| GRNL | CN | 88 | 2 | ES | | 1832 | 59.54 | -.040 | | | | | | | 1.0 |
| GRNL | CN | 88 | 2 | IAML | | 1833 | 1.80 | | | 4 | 0.1 | | | | |

February 25 2023 Hour: 19:19 51.0 Lat: 35.40N Lon: 3.60W Depth: 17F 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 | 494 | 305 | EP | | 1920 | 55.940 | .070 | | | | | | | 1.0 |
| MORF | HZ | 500 | 296 | EP | | 1920 | 56.48 | -.200 | | | | | | | 1.0 |
| GRNL | CZ | 536 | 306 | EP | | 1921 | 1.060 | .130 | | | | | | | 1.0 |

February 25 2023 Hour: 21:24 45.6 Lat: 6.11S Lon: 149.79E Depth: 38F Agency: IGL Distant
Magnitudes: 6.2Ms 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 |
|------|---------|------|---------|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ15871 | 331 | EPKP | | | 2144 | 13.93 | -.020 | | | | | | | 1.0 |
| GRNL | BZ15871 | 331 | EPP | | | 2147 | 22.630 | .140 | | | | | | | 1.0 |
| GRNL | BZ15871 | 331 | IAMs_20 | | | 2247 | 49.38 | | 6706 | 26.6 | | | | | |
| MESJ | BZ15876 | 331 | EPKP | | | 2144 | 13.92 | -.120 | | | | | | | 1.0 |
| MESJ | BZ15876 | 331 | EPP | | | 2147 | 22.900 | .130 | | | | | | | 1.0 |
| MESJ | BZ15876 | 331 | IAMs_20 | | | 2241 | 5.76 | | 4263 | 29.1 | | | | | |
| MORF | BZ15946 | 331 | EPKP | | | 2144 | 15.17 | -.030 | | | | | | | 1.0 |
| MORF | BZ15946 | 331 | EPP | | | 2147 | 26.56 | -.090 | | | | | | | 1.0 |
| MORF | BZ15946 | 331 | IAMs_20 | | | 2248 | 45.64 | | 5165 | 19.6 | | | | | |

February 26 2023 Hour: 3:36 36.1 Lat: 36.59N Lon: 9.80W 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 | 129 | 52 | EP | | 336 | 56.29 | -.090 | | | | | | | 1.0 |
| MORF | HE | 129 | 52 | ES | | 337 | 11.410 | .240 | | | | | | | 1.0 |
| MORF | HN | 129 | 52 | IAML | | 337 | 12.09 | | 3 | 0.1 | | | | | |
| MESJ | HZ | 197 | 45 | EP | | 337 | 4.77 | -.010 | | | | | | | 1.0 |
| GRNL | CZ | 201 | 33 | EP | | 337 | 5.01 | -.200 | | | | | | | 1.0 |
| GRNL | CE | 201 | 33 | ES | | 337 | 26.500 | .060 | | | | | | | 1.0 |
| GRNL | CN | 201 | 33 | IAML | | 337 | 27.75 | | 2 | 0.1 | | | | | |

February 26 2023 Hour: 11:8 6.4 Lat: 35.46N Lon: 3.59W Depth: 11F Agency: IGL Regional
Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|------|------|------|------|-----|------|------|-----|
| GRNL | CZ | 532 | 305 | EP | | 11 9 | 16.510 | .000 | | | | | | | 1.0 |

February 26 2023 Hour: 13:11 17.4 Lat: 35.43N Lon: 3.61W Depth: 1 Agency: IGL Regional
Magnitudes: 2.3ML IGL Rms: 0.0 secs

STRAIT OF GIBRALTAR Net: MAD

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | HZ | 491 | 304 | EP | | 1312 | 23.560 | .040 | | | | | | | 1.0 |
| MESJ | HE | 491 | 304 | ES | | 1313 | 11.830 | .010 | | | | | | | 1.0 |
| MESJ | HN | 491 | 304 | IAML | | 1313 | 13.61 | | 4 | 0.4 | | | | | |
| GRNL | CZ | 533 | 305 | EP | | 1312 | 28.54 | -.050 | | | | | | | 1.0 |
| GRNL | CN | 533 | 305 | ES | | 1313 | 20.57 | -.000 | | | | | | | 1.0 |
| GRNL | CN | 533 | 305 | IAML | | 1313 | 24.64 | | 6 | 0.3 | | | | | |

February 26 2023 Hour: 14:51 52.6 Lat: 36.67N Lon: 13.11W Depth: 25F Agency: IGL Regional
Magnitudes: 2.8ML IGL Rms: 0.1 secs

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 403 | 79 | EP | | 1452 | 42.990 | .080 | | | | | | | 1.0 |
| MORF | HN | 403 | 79 | ES | | 1453 | 19.56 | -.080 | | | | | | | 1.0 |
| MORF | HN | 403 | 79 | IAML | | 1453 | 22.70 | | 68 | 0.3 | | | | | |
| GRNL | CZ | 433 | 67 | EP | | 1452 | 46.40 | -.070 | | | | | | | 1.0 |
| GRNL | CE | 433 | 67 | ES | | 1453 | 25.950 | .150 | | | | | | | 1.0 |
| GRNL | CE | 433 | 67 | IAML | | 1453 | 27.95 | | 26 | 0.2 | | | | | |
| MESJ | HZ | 453 | 72 | EP | | 1452 | 48.960 | .010 | | | | | | | 1.0 |
| MESJ | HE | 453 | 72 | ES | | 1453 | 30.02 | -.090 | | | | | | | 1.0 |

MESJ HN 453 72 IAML 1453 31.50 9 0.2

**February 27 2023 Hour: 2:51 20.9 Lat: 37.87N Lon: 37.58E Depth: 10F Agency: IGL Distant
Magnitudes: 5.1Mb IGL Rms: 0.1 secs**

CENTRAL TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 3989 | 284 | EP | | 258 | 21.050 | .110 | | | | | | | 1.0 |
| MESJ | BZ | 3989 | 284 | IAMB | | 258 | 27.41 | | | 16 | 0.9 | | | | |
| GRNL | BZ | 4011 | 285 | EP | | 258 | 22.54 | -.110 | | | | | | | 1.0 |
| GRNL | BZ | 4011 | 285 | IAMB | | 258 | 24.91 | | | 69 | 1.7 | | | | |

**February 27 2023 Hour: 6:41 0.1 Lat: 20.53S Lon: 178.36W Depth: 548F Agency: IGL Distant
Rms: 0.3 secs**

FIJI REGION Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|-------|-----|--------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 17846 | 25 | EPKpdf | | 659 | 56.680 | .210 | | | | | | | 1.0 |
| GRNL | BZ | 17846 | 25 | EPKpab | | 7 0 | 41.35 | -.250 | | | | | | | 1.0 |
| MESJ | BZ | 17887 | 24 | EPKpdf | | 659 | 57.210 | .330 | | | | | | | 1.0 |
| MESJ | BZ | 17887 | 24 | EPKpab | | 7 0 | 42.93 | -.310 | | | | | | | 1.0 |
| MORF | BZ | 17919 | 26 | EPKpdf | | 659 | 57.610 | .360 | | | | | | | 1.0 |
| MORF | BZ | 17919 | 26 | EPKpab | | 7 0 | 44.24 | -.340 | | | | | | | 1.0 |

**February 27 2023 Hour: 9:4 51.3 Lat: 38.23N Lon: 38.28E Depth: 10F Agency: IGL Distant
Magnitudes: 5.3Mb IGL Rms: 0.1 secs**

EASTERN TURKEY Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MESJ | BZ | 4039 | 284 | EP | | 911 | 55.07 | -.120 | | | | | | | 1.0 |
| MESJ | BZ | 4039 | 284 | IAMB | | 911 | 57.35 | | | 53 | 1.2 | | | | |
| MORF | BZ | 4092 | 283 | EP | | 911 | 59.420 | .120 | | | | | | | 1.0 |
| MORF | BZ | 4092 | 283 | IAMB | | 912 | 1.84 | | | 59 | 1.0 | | | | |

**February 27 2023 Hour: 9:59 38.1 Lat: 36.52N Lon: 9.88W Depth: 25F Agency: IGL Regional
Magnitudes: 2.1ML 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 | 140 | 51 | EP | | 959 | 58.720 | .110 | | | | | | | 1.0 |
| MORF | HE | 140 | 51 | ES | | 10 0 | 13.57 | -.010 | | | | | | | 1.0 |
| MORF | HN | 140 | 51 | IAML | | 10 0 | 14.28 | | | 41 | 0.1 | | | | |
| MESJ | HZ | 208 | 45 | EP | | 10 0 | 6.99 | -.040 | | | | | | | 1.0 |
| MESJ | HN | 208 | 45 | ES | | 10 0 | 28.210 | .060 | | | | | | | 1.0 |
| MESJ | HN | 208 | 45 | IAML | | 10 0 | 28.39 | | | 7 | 0.3 | | | | |
| GRNL | CZ | 211 | 33 | EP | | 10 0 | 7.32 | -.130 | | | | | | | 1.0 |
| GRNL | CE | 211 | 33 | ES | | 10 0 | 28.890 | .010 | | | | | | | 1.0 |
| GRNL | CN | 211 | 33 | IAML | | 10 0 | 30.05 | | | 20 | 0.1 | | | | |

**February 27 2023 Hour: 11:36 48.4 Lat: 37.35N Lon: 8.48W Depth: 1F Agency: IGL Regional
Magnitudes: 1.1ML 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 | 17 | 252 | EP | | 1136 | 50.76 | -.280 | | | | | | | 1.0 |
| MORF | HE | 17 | 252 | ES | | 1136 | 53.170 | .170 | | | | | | | 1.0 |
| MORF | HN | 17 | 252 | IAML | | 1136 | 53.66 | | | 82 | 0.1 | | | | |
| MESJ | HZ | 59 | 22 | EP | | 1136 | 57.81 | -.040 | | | | | | | 1.0 |
| GRNL | CE | 85 | 354 | ES | | 1137 | 12.120 | .160 | | | | | | | 1.0 |
| GRNL | CE | 85 | 354 | IAML | | 1137 | 14.46 | | | 4 | 0.1 | | | | |

**February 27 2023 Hour: 12:53 6.6 Lat: 36.80N Lon: 7.17W Depth: 22F 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 | 143 | 294 | EP | | 1253 | 27.74 | -.080 | | | | | | | 1.0 |
| MORF | HN | 143 | 294 | ES | | 1253 | 43.26 | -.030 | | | | | | | 1.0 |
| MORF | HN | 143 | 294 | IAML | | 1253 | 44.03 | | | 9 | 0.1 | | | | |
| MESJ | HZ | 148 | 322 | EP | | 1253 | 28.450 | .040 | | | | | | | 1.0 |

GRNL CZ 191 320 EP 1253 33.770.070 1.0

**February 27 2023 Hour: 14:37 34.3 Lat: 32.54N Lon: 12.76W Depth: 10F Agency: IGL Regional
Magnitudes: 3.6ML IGL Rms: 0.1 secs**

MADEIRA ISLANDS, PORTUGAL REGION Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 648 | 34 | EP | | 1438 | 58.64 | -.010 | | | | | | | 1.0 |
| MESJ | HZ | 719 | 34 | EP | | 1439 | 7.170 | .090 | | | | | | | 1.0 |
| GRNL | CZ | 726 | 30 | EP | | 1439 | 7.84 | -.070 | | | | | | | 1.0 |
| GRNL | CE | 726 | 30 | ES | | 1440 | 16.19 | -.020 | | | | | | | 1.0 |
| GRNL | CN | 726 | 30 | IAML | | 1440 | 22.98 | | 56 | 0.2 | | | | | |

**February 27 2023 Hour: 20:25 23.1 Lat: 36.78N Lon: 7.50W Depth: 28F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

STRAIT OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HE | 118 | 300 | ES | | 2025 | 53.64 | -.000 | | | | | | | 1.0 |
| MORF | HE | 118 | 300 | IAML | | 2025 | 54.10 | | 9 | 0.2 | | | | | |
| MESJ | HZ | 133 | 331 | EP | | 2025 | 42.730 | .060 | | | | | | | 1.0 |
| MESJ | HN | 133 | 331 | ES | | 2025 | 56.83 | -.090 | | | | | | | 1.0 |
| MESJ | HE | 133 | 331 | IAML | | 2025 | 57.43 | | 1.00 | 0.1 | | | | | |
| GRNL | CN | 175 | 327 | ES | | 2026 | 5.850 | .040 | | | | | | | 1.0 |
| GRNL | CN | 175 | 327 | IAML | | 2026 | 7.56 | | 0.70 | 0.1 | | | | | |

**February 27 2023 Hour: 21:50 9.8 Lat: 39.83N Lon: 13.86E Depth:412FAgency: IGL Distant
Magnitudes: 4.3Mb IGL Rms: 0.0 secs**

TYRRHENIAN SEA Net: NEIC

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|-------|-------|------|------|------|-----|------|------|-----|
| GRNL | BZ | 1948 | 272 | EP | | 2153 | 48.66 | -.010 | | | | | | | 1.0 |
| GRNL | BZ | 1948 | 272 | IAMB | | 2153 | 48.94 | | 12 | 0.9 | | | | | |

**February 28 2023 Hour: 17:33 53.3 Lat: 36.98N Lon: 10.37W Depth: 32F Agency: IGL Regional
Magnitudes: 2.0ML IGL Rms: 0.1 secs**

AZORES-CAPE ST. VINCENT RIDGE Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 157 | 76 | EP | | 1734 | 15.51 | -.030 | | | | | | | 1.0 |
| MORF | HN | 157 | 76 | ES | | 1734 | 31.76 | -.060 | | | | | | | 1.0 |
| MORF | HN | 157 | 76 | IAML | | 1734 | 32.71 | | 30 | 0.2 | | | | | |
| GRNL | CZ | 203 | 51 | EP | | 1734 | 21.13 | -.060 | | | | | | | 1.0 |
| GRNL | CN | 203 | 51 | ES | | 1734 | 41.720 | .130 | | | | | | | 1.0 |
| GRNL | CN | 203 | 51 | IAML | | 1734 | 44.23 | | 12 | 0.1 | | | | | |
| MESJ | HZ | 213 | 63 | EP | | 1734 | 22.490 | .000 | | | | | | | 1.0 |
| MESJ | HN | 213 | 63 | ES | | 1734 | 43.860 | .030 | | | | | | | 1.0 |
| MESJ | HN | 213 | 63 | IAML | | 1734 | 46.53 | | 5 | 0.1 | | | | | |

**February 28 2023 Hour: 23:53 21.3 Lat: 36.26N Lon: 8.27W Depth: 10F Agency: IGL Regional
Magnitudes: 1.0ML IGL Rms: 0.1 secs**

WEST OF GIBRALTAR Net: IMP

| STAT | CO | DIST | AZI | PHASE | P | HRMN | SECON | TRES | CODA | AMPL | PERI | BAZ | ARES | VELO | WT |
|------|----|------|-----|-------|---|------|--------|-------|------|------|------|-----|------|------|-----|
| MORF | HZ | 120 | 343 | EP | | 2353 | 40.30 | -.100 | | | | | | | 1.0 |
| MESJ | HZ | 175 | 1 | EP | | 2353 | 47.650 | .150 | | | | | | | 1.0 |
| MESJ | HN | 175 | 1 | ES | | 2354 | 6.600 | .020 | | | | | | | 1.0 |
| MESJ | HN | 175 | 1 | IAML | | 2354 | 7.57 | | 1 | 0.1 | | | | | |
| GRNL | CZ | 206 | 353 | EP | | 2353 | 51.29 | -.120 | | | | | | | 1.0 |
| GRNL | CE | 206 | 353 | ES | | 2354 | 13.410 | .050 | | | | | | | 1.0 |
| GRNL | CE | 206 | 353 | IAML | | 2354 | 14.98 | | 2 | 0.1 | | | | | |