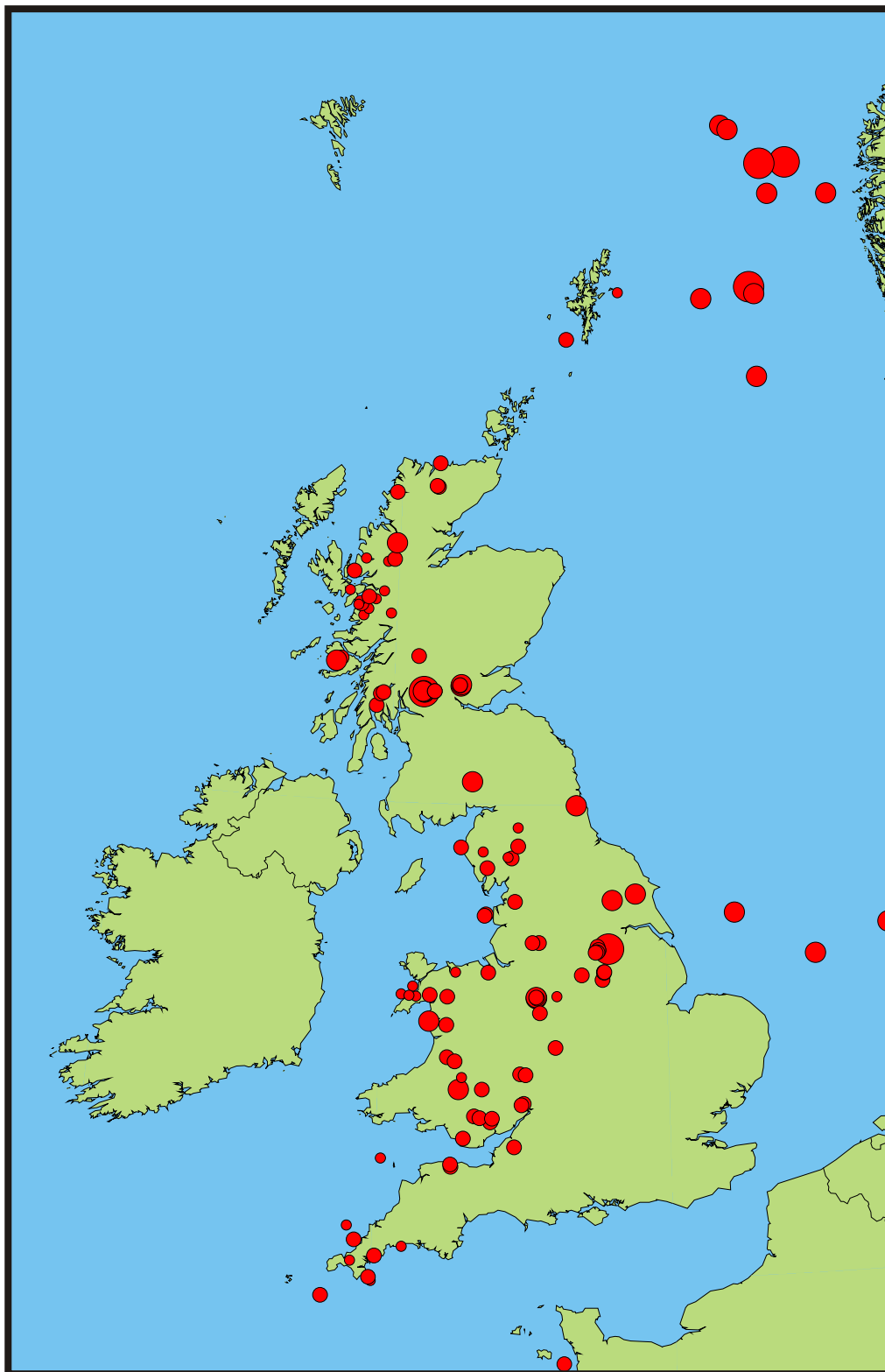




**British Geological Survey**

**BULLETIN OF BRITISH  
EARTHQUAKES 2003**



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BRITISH GEOLOGICAL SURVEY

REPORT CR/04/074N

# Bulletin of British Earthquakes 2003

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Figure 5. Epicentres of earthquakes with magnitudes of 3.5 ML and above, in the period 1970 to 2003.

Figure 6. Seismograms of the Aberfoyle earthquake of 20 June 2003. 06:44 UTC, 3.2 ML, recorded on the LOWNET and Paisley sub-networks.

Figure 7. Lower hemisphere equal area projection of the focal mechanism obtained for the Aberfoyle earthquake of 20 June 2003. 06:44 UTC, 3.2 ML.

## **TABLES**

Table 1. Catalogue of events in chronological order: 2003.

Table 2. Phase Data of the earthquakes in Table 1.

Table 3. Geographic coordinates and instrumentation of BGS seismograph stations.

# 1 Introduction

The British Geological Survey's (BGS) Seismic Monitoring and Information Service operates a nationwide network of seismograph stations in the United Kingdom (UK). The whole of the UK, including coastal waters, is covered within the limits of the detection capabilities of the seismograph network. Location accuracy is extended in offshore areas through data exchange with neighbouring countries. Seismic phase data, location details and magnitudes are presented in this Bulletin for all earthquakes detected and located by BGS during 2003 in Tables 1 and 2, together with maps showing the larger magnitude events since 1979 ( $ML > 2.5$ ) and since 1970 ( $ML > 3.5$ ). The bulletin covers all of the UK land mass and its coastal waters including the North Sea to 800 kmE and 1500 kmN.

All events believed to be of true tectonic origins are included. Coalfield events are also included. These are small events occurring near coal workings that are believed to be caused by the redistribution of stress as the coal is extracted and, in some cases by collapse in old workings. They are indicated by C/F in the comments column of Tables 1, 2.

Acoustic disturbances, such as sonic booms from supersonic aircraft, are included when they are felt. The air-borne waves are readily identified by their slow travel time across an array or by their signature on a microphone but they are frequently mistaken as small earthquakes by local people. They are indicated by 'SONIC' in both the locality and comments column of Table 1.

Significant non-natural events, such as explosions, which received media attention or were greater than magnitude 2.5 ML or felt by local residents, are also included in Table 1. Smaller events that are known, or suspected to be of explosive origin are excluded from the bulletin where possible. These include explosions due to quarrying, mining, weapon testing or disposal, naval exercises, geophysical prospecting and civil engineering. Unfortunately, identification by record character, location and time of occurrence is not always conclusive and some man-made events may be included in the bulletin or, more rarely, a small natural event may have been excluded.

## 2 Summary of 2003 Seismicity

There were 146 earthquakes located by the monitoring network during the year (Figure 1), with 32 of them having magnitudes of 2.0 ML or greater. Ten events with a magnitude of 2.0 ML or greater were reported, together with a further 14 smaller ones, bringing the total to 24 felt earthquakes in 2003.

The largest onshore earthquake had a magnitude of 3.2 ML and occurred near Aberfoyle on 20 June (Appendix 4), at a depth of 5.2 km. BGS received reports, via the Police and residents of the Aberfoyle area, such as, "the whole house shook" and "there was a rumble like thunder". This event was followed by two aftershocks on the same day with magnitudes of 2.8 and 2.5 ML. Reports were also received for both of these events with intensities of 3 EMS.

The largest offshore earthquake occurred in the Northern North Sea on 15 December, with a magnitude of 3.9 ML. It was located approximately 265 km east of Lerwick, Shetland

Islands. A further 14 events occurred in the North Sea and surrounding waters during the year, with magnitudes ranging between 0.3 and 3.0 ML. The earthquake with a magnitude of 0.3 ML was detected approximately 30 km east of Yell, Shetland Islands on 30 June. On 23 July, an earthquake with a magnitude of 1.2 ML was located approximately 25 km west of Sumburgh Head in the West Fair Isle Basin.

An earthquake with a magnitude of 1.4 ML occurred in the Manchester area on 5 January. The BGS received one report for this event from a resident of Manchester, who described, "felt a slight shudder" indicating an intensity of 2 EMS. This earthquake locates in the same general area as the series of events that occurred throughout late 2002.

On 12 January, an earthquake with a magnitude of 2.4 ML, occurred near Blackford, Tayside. Reports such as, "there was the usual heavy sudden bang followed immediately by the shaking of the bedroom walls and the shuddering of the floor" and "there was a rumble like a heavy lorry passing", indicate an intensity of at least 3 EMS. A further eight earthquakes were detected in the Blackford area during 2003, with magnitudes ranging from 0.7 – 2.2 ML. Three of these further events were reported by local residents. This is an area that has continued to be active in recent years; 49 events occurred in 1997, of which five were felt by local residents; 10 events occurred in 1998, of which 2 were felt by local residents, 3 events occurred in 1999, 4 events occurred in 2000, of which 3 were felt, 3 events occurred in 2001, of which all were felt and 4 events occurred in 2002, of which one was felt. These are all in the same general area as the magnitude 3.2 ML Ochil Hills earthquake in 1979, which had a maximum intensity of 5 EMS.

An earthquake with a magnitude of 1.5 ML occurred on 22 February, near Inveraray, Strathclyde. Reports received from Furnace and Cairndow describing, "a loud bang", "a 300 year old house shaking" and "a trolley rattling", indicate an intensity of 3 EMS.

A magnitude 2.1 ML earthquake occurred on 3 March, with a location on the Isle of Mull, Strathclyde region. BGS received one report for this event from the Isle of Mull, describing, "I heard a loud roar and things rattled on the walls", indicating an intensity of 3 EMS. A further event occurred on the Isle of Mull on 17 February with a magnitude of 1.9 ML.

Six events occurred during 2003, in the Newcastle-Under-Lyme region of Staffordshire, with magnitudes ranging from 1.4 – 2.3 ML. No reports were received for any of these events.

A magnitude 3.1 ML earthquake occurred on 19 August, near Doncaster, South Yorkshire. BGS received reports, via residents of Retford, Nottinghamshire, such as, "the whole house shook", "the sensation woke me from sleep" and "the radiators rattled", indicating an intensity of 4 EMS. This event is the largest in the area since the magnitude 3.2 ML East Retford earthquake on 22 March 1984, which was felt with intensities of 3 EMS.

An earthquake with a magnitude of 2.1 ML occurred near Loch Fannich, Highland on 11 November. BGS received a single report for this earthquake from a resident of Achanalt which described, " I heard a loud deep explosion and the house shook" indicating an intensity of 2 EMS.

Three events occurred in the Caernarvon Bay area of Gwynedd, on 18 April, 2 June and 23 August, with magnitudes of 0.4, 0.9 and 0.6 ML, respectively.

Near Pontypool, Gwent, three events occurred throughout the year, with magnitudes of 1.1, 1.6 and 1.5 ML, respectively.



The coalfield areas of Yorkshire, Nottinghamshire and Mid Glamorgan continued to experience shallow earthquake activity that is believed to be mining induced. Some, 16 coalfield events, with magnitudes ranging between 0.9 and 1.8 ML, were detected during the year. Local residents reported six of these events. Of these 16 events, 10 events were located in the Maltby area of South Yorkshire, with magnitudes ranging between 1.0 and 1.5 ML.

### 3 The BGS UK Seismograph Network

Operational seismograph stations in December 2003 are shown in Figure 2. The UK seismograph network consists of a number of sub-networks, which, in turn, consist of up to ten 'outstation' vertical seismometers radio-linked over distances of up to 100 km to a central site. Here, the data, along with that from a local 3-component set of two horizontal and one vertical seismometer, are recorded digitally with the SEISLOG data acquisition system (Utheim and Havskov, 1993). The system records data continuously, but also creates event-triggered files. The sub-networks are accessed for data transfer from Edinburgh several times a day through Internet or dial-up modems. Once transferred, the events are analysed to provide rapid response for location and magnitude. At a number of sites, low-gain vertical seismometers are installed to extend the dynamic range of the system (by 34 db) to stronger motions, and low frequency microphones are used to aid the discrimination of sonic booms. In addition, strong motion accelerometers have been installed at locations throughout the country and record accelerations up to 0.1g. A number of broadband seismic stations provide data with a larger dynamic range and over a wider frequency band.

The detection capabilities of a network depend upon station distribution, instrument sensitivity and background noise levels. Figure 3 shows the magnitude detection thresholds for seismograph stations operational in December 2003. The contours illustrate the lower threshold magnitude for an earthquake to significantly exceed 4 nanometers of noise (average) at 10 Hz on at least four seismographs. These detection levels hold true only if all stations are continuously monitored. Small events in unmonitored areas may go undetected unless they are felt and reported to BGS by local inhabitants, but detection capabilities by this process are strongly dependent on the population density.

The whole of the UK is covered by the seismograph network for approximately magnitude 1.5 ML, and above, at times of average ambient noise levels. Noise sources such as wind, waves, traffic and livestock vary considerably with time (typically 0.5 to 15 nanometers, at 10 Hz) causing the magnitude thresholds to increase or decrease. In conditions of high noise, 0.8 ML should be added to the contour values, causing the threshold to rise to about 2.3 ML. Normally, however, an earthquake of this size would be felt, if not detected, in the areas of poorer instrumental coverage. The bulletin can, therefore, be assumed to be complete for all earthquakes of magnitude 2.3 ML and above.

Given the variability in the earthquake detection threshold, as governed by ambient noise conditions and the geometry of the observing network, the bulletin is biased towards certain localities. Figure 4 shows only earthquakes with magnitude 2.5 ML or greater, in the period 1979 to 2003. The data set is considered complete for these magnitudes in all localities onshore. Seismicity for the period 1970 to 2003 is shown in Figure 5 with a threshold magnitude of 3.5 ML. This is the period covered by BGS instrumentation that in

the early years, only consisted of the network around Edinburgh (LOWNET) and Eskdalemuir (ESK) and a station near Kyle of Lochalsh (KYL). The dataset is likely to be complete for such magnitudes.

## 4 Hypocentre Parameters and Their Errors

### 4.1 EPICENTRE LOCATION

By accurately timing the signal onsets at a minimum of three stations, a location can be found for an earthquake that satisfies the observed pattern of arrivals. Instrumental locations in the bulletin were obtained using the computer program HYPO71 (Lee and Lahr, 1975) that iteratively adjusts a trial hypocentre (latitude, longitude, depth, and origin time) until the observed and computed arrival times coincide closely.

The accuracy of locations is dependent on distances from the closest stations, the distribution of the stations around the epicentre, the resolution to which signal onsets can be timed from the records, and the accuracy with which the seismic wave velocity through the earth can be modelled.

### 4.2 DEPTH DETERMINATION

The accurate determination of earthquake depth presents a more difficult problem, mainly because phase arrival patterns at the seismographs can still be satisfied for a large range of depths merely by adjusting the origin time to suit. Constraints on the depth can usually only be imposed when a station is very near the epicentre and even then the accuracy depends on the velocity model.

The best depth determinations have been obtained when an earthquake or earthquake series occurred almost beneath a network. For events at larger distances, and where the error columns (ERH and ERZ), in the tables, are blank, the depth errors can be up to tens of kilometres. The quality factor of the event, as listed in the tables (SQD), is an indication of the depth error. As a general guide only, A\*A, A\*B, B\*A and possibly B\*B class events, have reliable depths.

### 4.3 MAGNITUDE

All earthquakes in the bulletin have been assigned a local magnitude (ML) as defined by Richter (1935):

$$ML = \log_{10} (A/A_0)$$

where A is the maximum deflection (centre to peak in mm) registered by the earthquake on a Wood-Anderson seismograph and A<sub>0</sub> is that for a 'standard' magnitude zero earthquake at the same distance. The A<sub>0</sub> term is thus a distance correction factor tabulated by Richter out to 200 km, and later adjusted to include up to 600 km. Although Richter intended his method to be an approximate quantification of earthquake size and his attenuation term, A<sub>0</sub>, strictly only applies to California, the formula is still used world-wide today. The ML magnitudes in this bulletin have been calculated according to Richter by converting the output of the BGS instruments to an equivalent Wood-Anderson deflection. Ideally, the

measurements are made on two horizontal instruments and averaged but, if this was not possible, the mean of the magnitudes from a number of verticals has been used. Ground motion registered at a seismograph varies with site conditions, direction from the earthquake, and the nature of the ray path. Consequently, it is important to take the mean from a good distribution of stations. The resulting errors on magnitudes quoted in the bulletin will normally be less than 0.4 ML.

#### **4.4 INTENSITY**

Intensity is a measure of the effect of the shaking on people, structures and objects. It decreases with distance from a maximum value ( $I_{max}$ ) usually found close to the epicentre. The maximum felt intensity is quoted, where known, on the European Macroseismic Scale (EMS), (Grünthal, 1998).

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## Appendix 1 Key to Bulletin Encoding

|           |   |
|-----------|---|
| YearMoDy  | Year, month and day of event.   |
| HrMn Secs | Time of occurrence of event in hours, mins and secs, (UTC).   |
| Lat       | Latitude of the event, positive latitude indicates north.   |
| Lon       | Longitude of the event, negative longitude indicates west.  |
| kmE       | UK National Grid Reference in kilometres east of grid origin.   |
| kmN       | UK National Grid Reference in kilometres north of grid origin.  |
| Dep       | Depth of the hypocentre in kilometres.  |
| Mag       | Richter local magnitude of the event.   |
| Locality  | A geographical indication of the epicentral area, usually the nearest town followed by the region. A key to the abbreviations used in the locality column are given below.                                |
| Int       | Maximum EMS intensity. 2+ indicates felt, no macroseismic details. 3+, 4+ etc indicates felt at 3 or 4, but no survey carried out. 3, 4, 5 etc describes the maximum EMS intensity produced by the event. |
| Comments  | Additional comments about the event eg: C/F, see below under comments abbreviations.  |

The following abbreviations are extracted from the output of the location program HYPO71 (Lee and Lahr, 1975)

|     |   |
|-----|---|
| No  | Total number of P and S readings used in the event location.  |
| DM  | Epicentral distance in kilometres to the closest station.   |
| Gap | Largest azimuthal separation in degrees between stations.   |
| RMS | Root Mean Square of the travel time residuals in seconds.   |
| ERH | Standard error of the epicentre in kilometres. When this column is blank, the error is large and indeterminate.   |
| ERZ | Standard error of the focal depth in kilometres. When this column is blank, the error is large and indeterminate. |
| SQD | S is quality factor ascribed to RMS, D is quality ascribed to number and distribution of stations.                |

### Locality abbreviations

|             |                        |             |                 |
|-------------|------------------------|-------------|-----------------|
| Sonic       | Sonic boom             | N Yorkshire | North Yorkshire |
| Expl        | Explosion              | Notts       | Nottinghamshire |
| D & G       | Dumfries and Galloway  | Lincs       | Lincolnshire    |
| Gtr         | Greater                | N'umberlnd  | Northumberland  |
| Her & Worcs | Hereford and Worcester | Staffs      | Staffordshire   |
| S'Clyde     | Strathclyde            | Leics       | Leicestershire  |
| S Yorkshire | South Yorkshire        | W Mids      | West Midlands   |
| New-U-Lyme  | Newcastle-Under-Lyme   | Salop       | Shropshire      |
| Penin       | Peninsula              |             |                 |

### Comments abbreviations

|       |                      |
|-------|----------------------|
| Sonic | Sonic boom           |
| Expl  | Explosion            |
| C/F   | Coalfield type event |
| ...   | and felt elsewhere   |

## Appendix 2 Key to Phase Data Encoding

|           |   |
|-----------|---|
| Time      | Time of occurrence of event in hours, mins and secs, (UTC).   |
| Lat       | Latitude of the event, N indicates North.   |
| Lon       | Longitude of the event, W indicates West, E indicates East.   |
| Depth     | Depth of the hypocentre in kilometres.  |
| Grid Ref  | UK National Grid Reference in kilometres east (kmE) and kilometres north (kmN) of grid origin.  |
| Quality   | Solution quality of hypocentre averaged from QS and QD. A, excellent; B, good; C, fair; D, poor   |
| RMS       | Root Mean Square of the travel time residuals in seconds.   |
| Magnitude | Richter local magnitude of the event.   |
| Locality  | A geographical indication of the epicentral area, usually the nearest town followed by the region.  |
| Intensity | Maximum EMS intensity. 2+ indicates felt, no macroseismic details. 3+, 4+ etc indicates felt at 3 or 4, but no survey carried out. 3, 4, 5 etc describes the maximum EMS intensity produced by the event. |
| Comments  | Additional comments about the event eg: C/F see list of comments abbreviations below.   |
| STAT      | Station name  |
| CO        | Station component S=short period Z=vertical N=north south E=east west   |
| DIST      | Distance from earthquake to station (km)  |
| PHAS      | Phase identifier; the first letter characterizes onset E=emergent I=impulsive, the second indicates the phase eg P, S, PG and PN.   |
| WT        | Hypo weighting factor to arrival 0 or blank=full weighting to 4=zero weighting (ignore). 9=use P S interval only for this line.   |
| P         | Polarity C=Compression/up D=Dilatation/down   |
| HrMn      | Hour, Minute of event   |
| SECS      | Seconds of event  |
| AMPL      | Amplitude centre to peak in nanometres (nm)   |
| PERI      | Period in seconds   |



## Appendix 3 The European Macroseismic Scale (EMS 98)

### 1 - **Not felt**

Not felt, even under the most favourable circumstances.

### 2 - **Scarcely felt**

Vibration is felt only by individual people at rest in houses, especially on upper floors of buildings.

### 3 - **Weak**

The vibration is weak and is felt indoors by a few people. People at rest feel a swaying or light trembling.

### 4 - **Largely observed**

The earthquake is felt indoors by many people, outdoors by very few. A few people are awakened. The level of vibration is not frightening. Windows, doors and dishes rattle. Hanging objects swing.

### 5 - **Strong**

The earthquake is felt indoors by most, outdoors by few. Many sleeping people awake. A few run outdoors. Buildings tremble throughout. Hanging objects swing considerably. China and glasses clatter together. The vibration is strong. Top heavy objects topple over. Doors and windows swing open or shut.

### 6 - **Slightly damaging**

Felt by most indoors and by many outdoors. Many people in buildings are frightened and run outdoors. Small objects fall. Slight damage to many ordinary buildings eg; fine cracks in plaster and small pieces of plaster fall.

### 7 - **Damaging**

Most people are frightened and run outdoors. Furniture is shifted and objects fall from shelves in large numbers. Many ordinary buildings suffer moderate damage: small cracks in walls; partial collapse of chimneys.

### 8 - **Heavily damaging**

Furniture may be overturned. Many ordinary buildings suffer damage: chimneys fall; large cracks appear in walls and a few buildings may partially collapse.

### 9 - **Destructive**

Monuments and columns fall or are twisted. Many ordinary buildings partially collapse and a few collapse completely.

### 10 - **Very destructive**

Many ordinary buildings collapse.

### 11 - **Devastating**

Most ordinary buildings collapse.

### 12 - **Completely devastating**

Practically all structures above and below ground are heavily damaged or destroyed.

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A complete description of the EMS-98 scale is given in: Grunthal, G., (Ed) 1998. European Macroseismic scale 1998. Cahiers du Centre European de Geodynamique et de Seismologie. Vol 15.



## Appendix 4 Significant earthquakes in 2003

### **THE ABERFOYLE EARTHQUAKE, 20 JUNE 2003**

The largest onshore earthquake had a magnitude of 3.2 ML and occurred near Aberfoyle on 20 June, at a depth of 5.2 km. BGS received reports, via the Police and residents of the Aberfoyle area, such as, "the whole house shook" and "there was a rumble like thunder". This event was followed by two aftershocks on the same day with magnitudes of 2.8 and 2.5 ML. Reports were also received for both of these events with intensities of 3 EMS. Figure 6 shows a seismogram recorded for the largest earthquake. There were a total of 11 earthquakes detected in the Aberfoyle earthquake sequence during 2003, with locations approximately 3.5 km southwest of the village of Aberfoyle. A total of 8 of the events were reported by local residents. Visual inspection of the seismograms recorded from the earthquakes in the sequence indicated a high degree of similarity between the individual events. The similarity of recordings suggested that the events were located within a small source volume and the result of similar source mechanisms, and was used to obtain consistent phase arrival times. It was found that the earthquakes were confined to a zone approximately 1000 m long and 200 m wide striking in SW-NE. This falls into the Highland Boundary Fault Zone (HBFZ), which presents a major tectonic boundary extending across the entire width of Central Scotland in NE-SW direction. Due to the similarities in the waveform signals, a joint focal mechanism based on first motion polarities was determined through a grid-search (Snoke et al., 1984) for the events in the sequence. Polarity readings from 13 stations were used (Figure 7). The first nodal plane strikes WSW-ENE and dips to the NW with both left-lateral and normal movement. The second nodal plane strikes NNW-SSE and dips eastward with both right-lateral and normal movement. The alignment of the epicentre locations in SW-NE direction suggests that the first nodal plane was the actual fault plane. This fault plane follows the strike direction of the HBFZ. However, the P axis points SSW, in disagreement with the regional stress pattern possibly indicating local variation from the regional stress pattern.





## **KEY TO EPICENTRE MAPS**



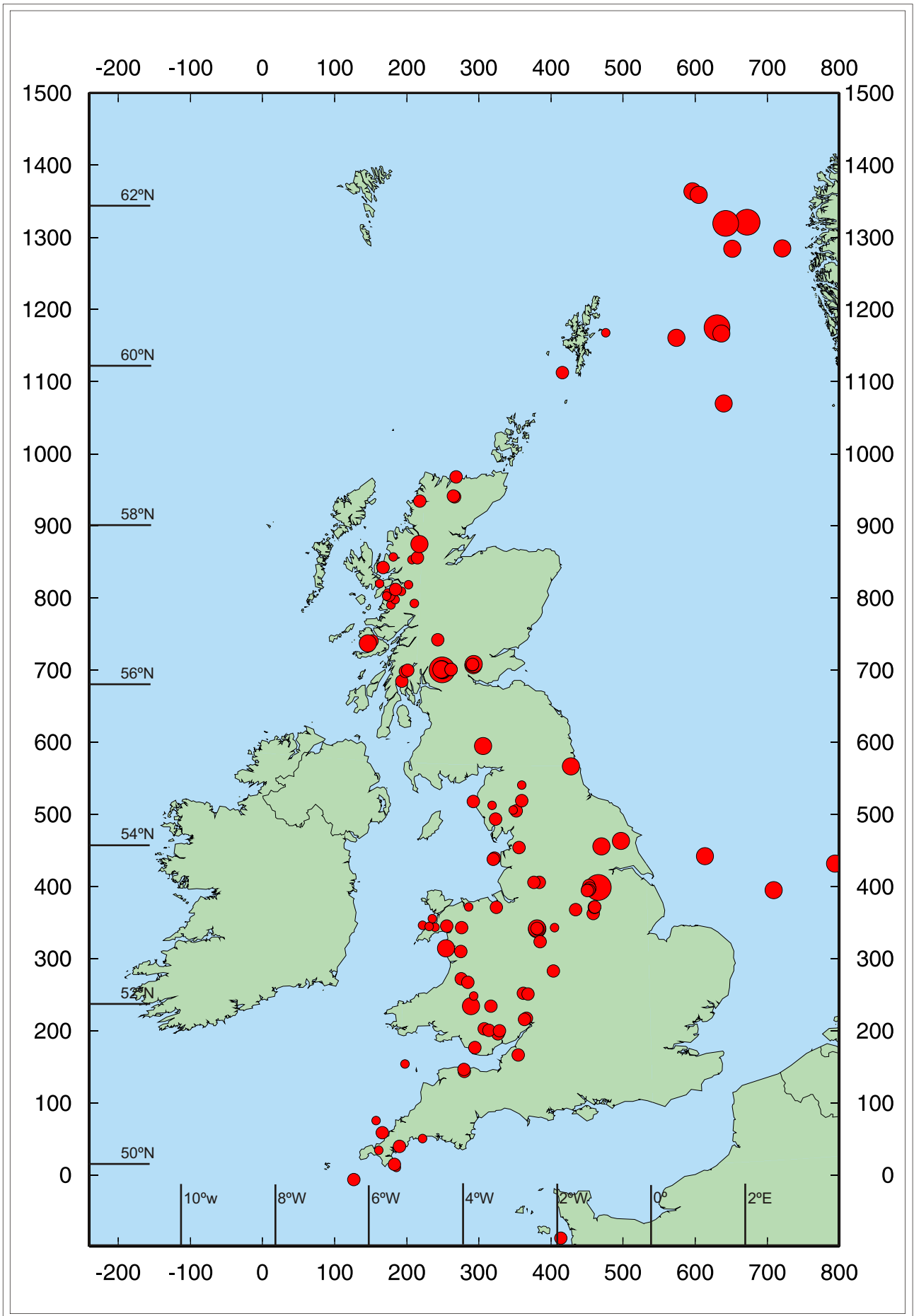


Figure 1. Epicentres of all UK earthquakes located in 2003.

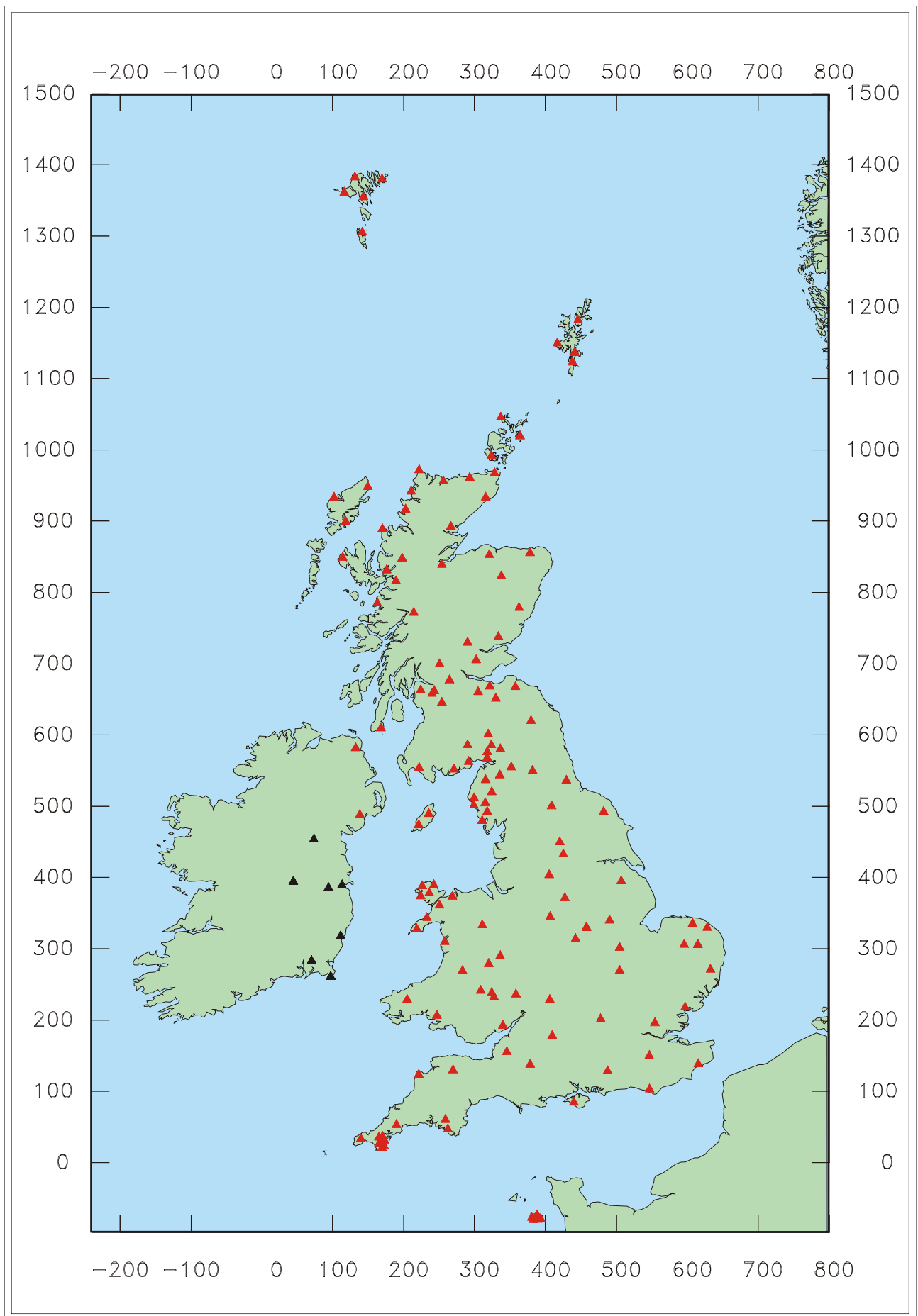


Figure 2. Seismograph network operational in December 2003. Colour coding shows the rapid access stations (red) and DIAS stations (black).



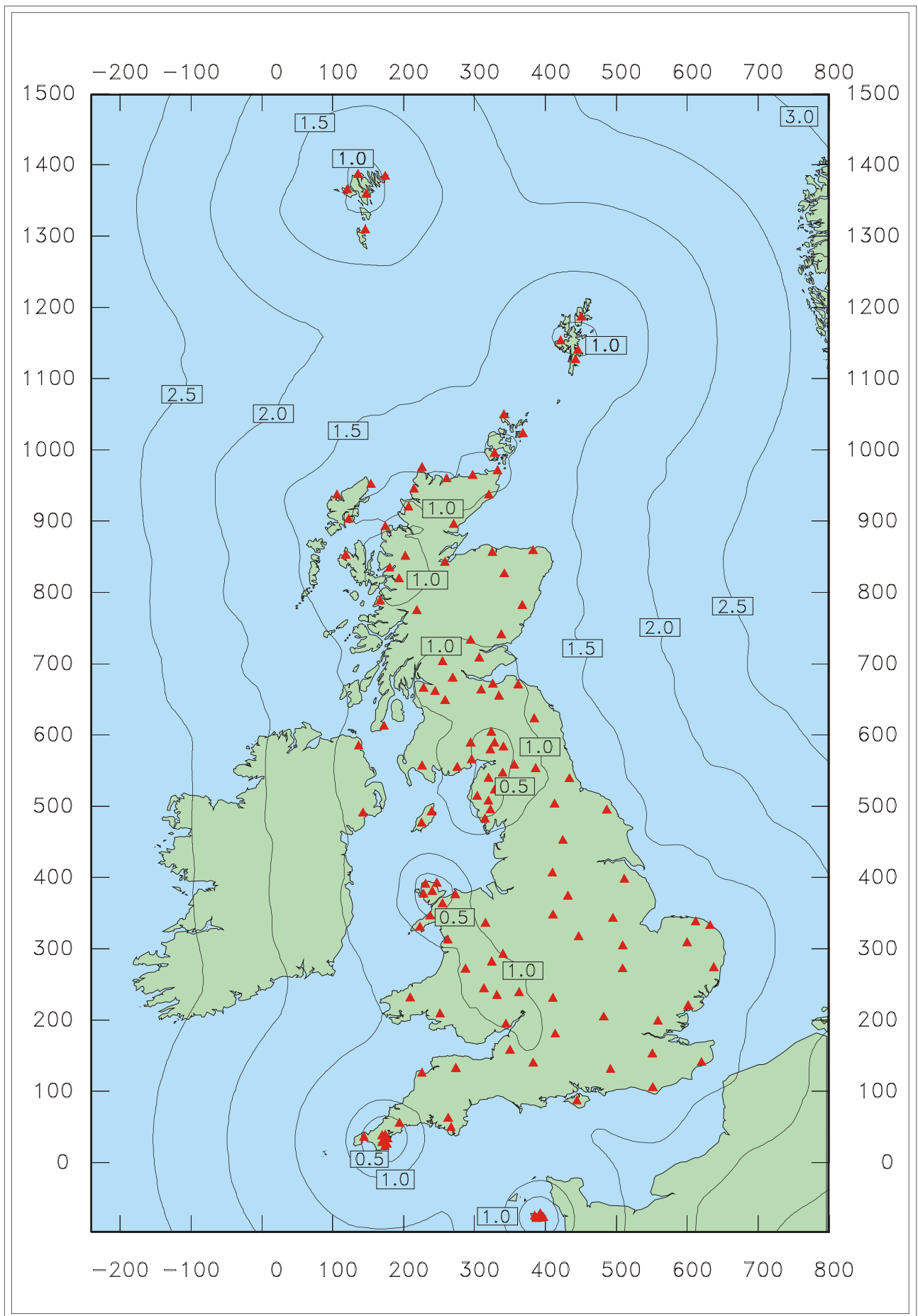


Figure 3. Earthquake detection capability in December 2003. Contour values are Richter local magnitude (ML) for 4 nanometres of noise (average) and S-wave amplitude twice that at the fourth nearest station.

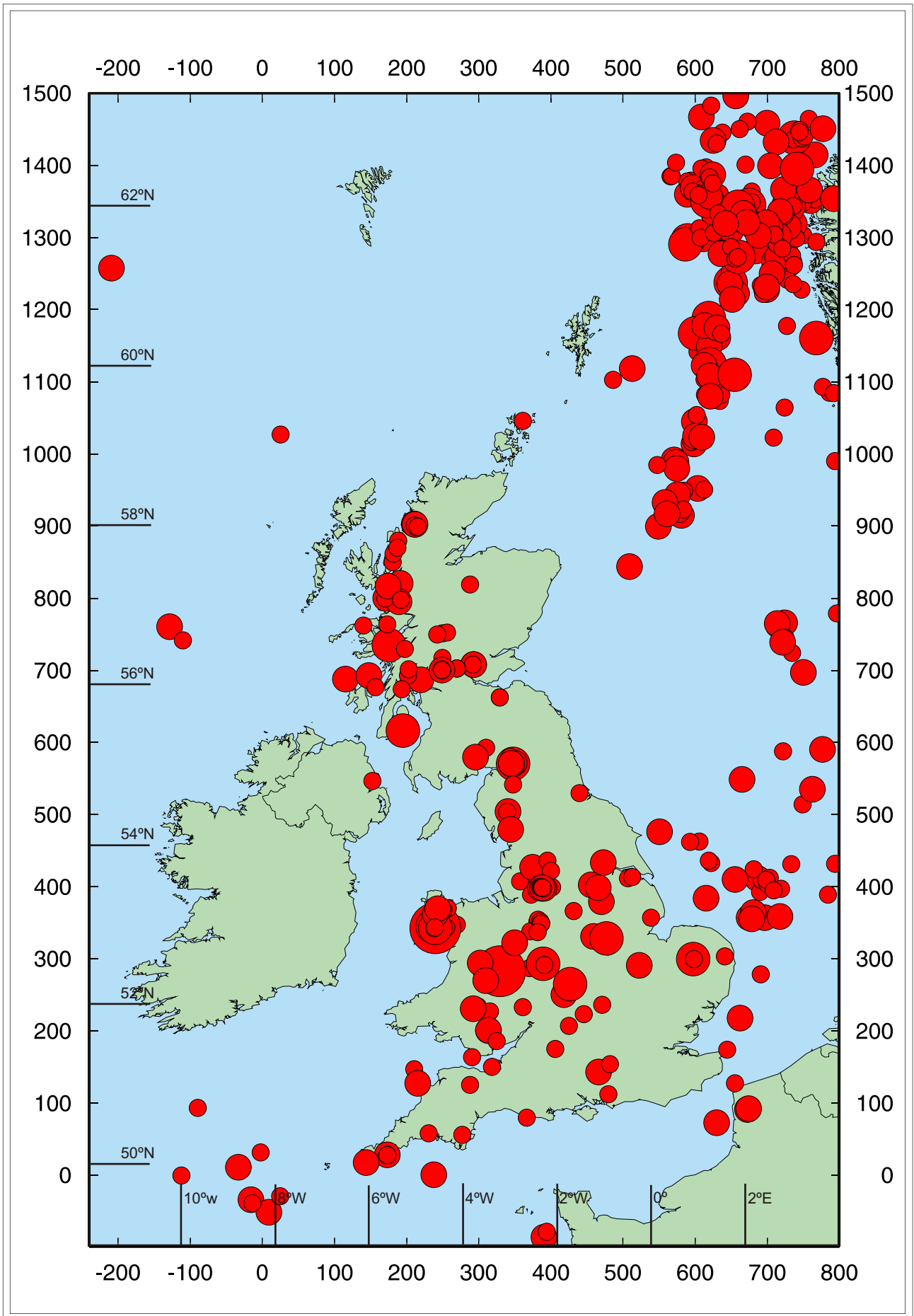


Figure 4. Epicentres of earthquakes with magnitudes 2.5 ML or greater, for the period 1979 to 2003.

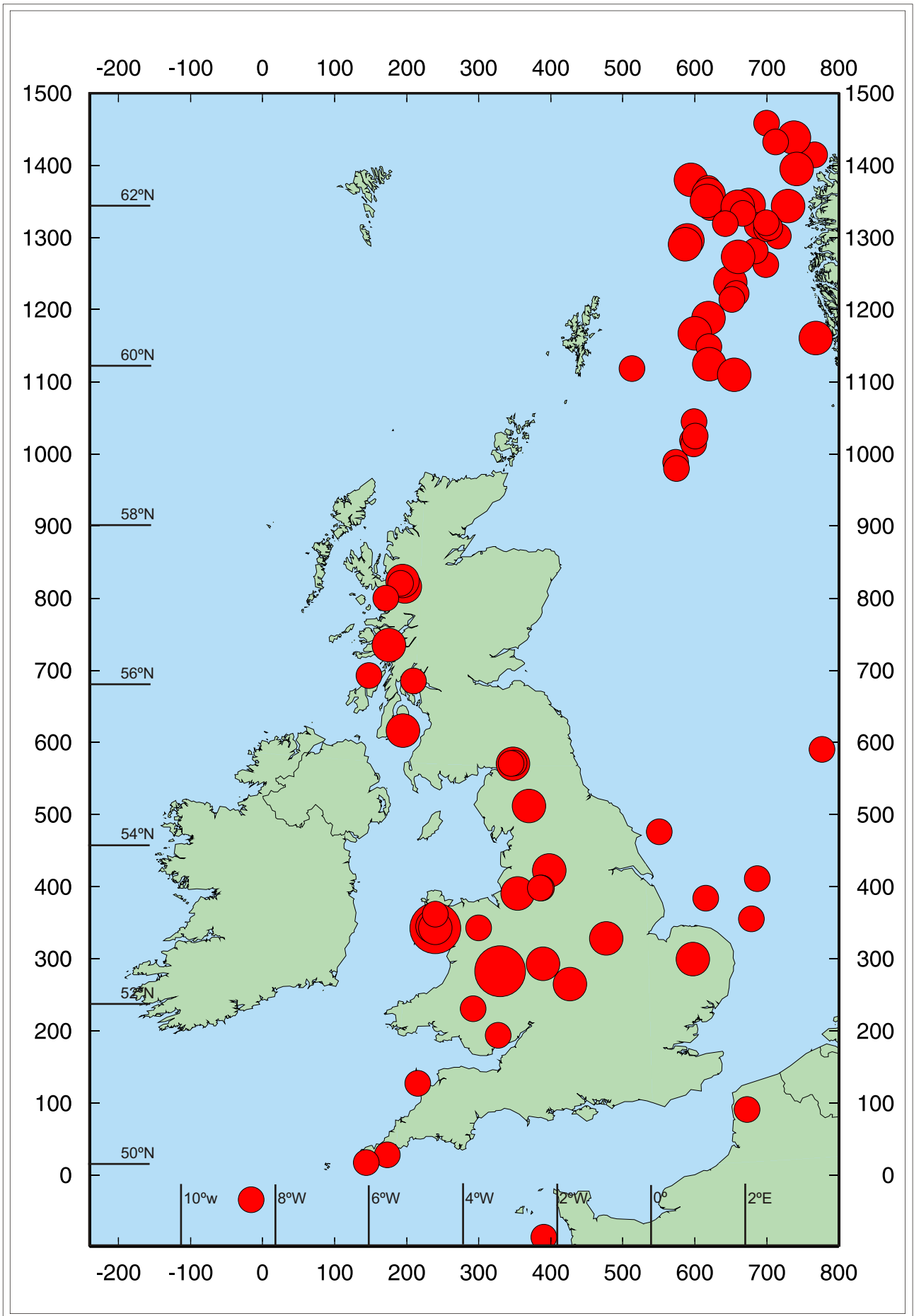


Figure 5. Epicentres of earthquakes with magnitudes 3.5 ML or greater, for the period 1970 to 2003.

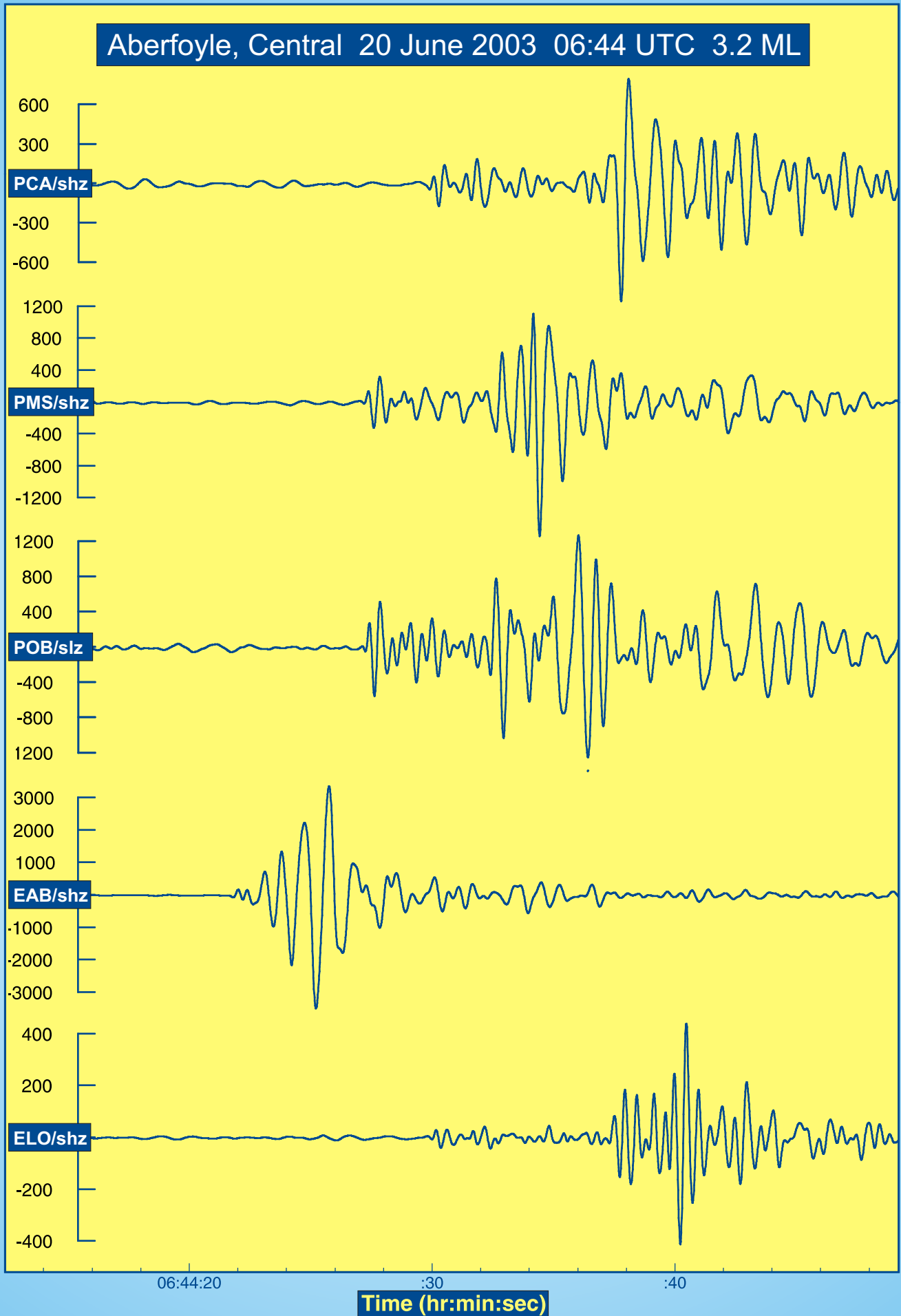


Figure 6. Seismograms of the Aberfoyle earthquake of 20 June 2003 06:44 UTC 3.2 ML recorded on the Paisley and LOWNET seismic networks.

**FAULT PLANE SOLUTION : ABERFOYLE EARTHQUAKE OF 20 JUNE 2003**

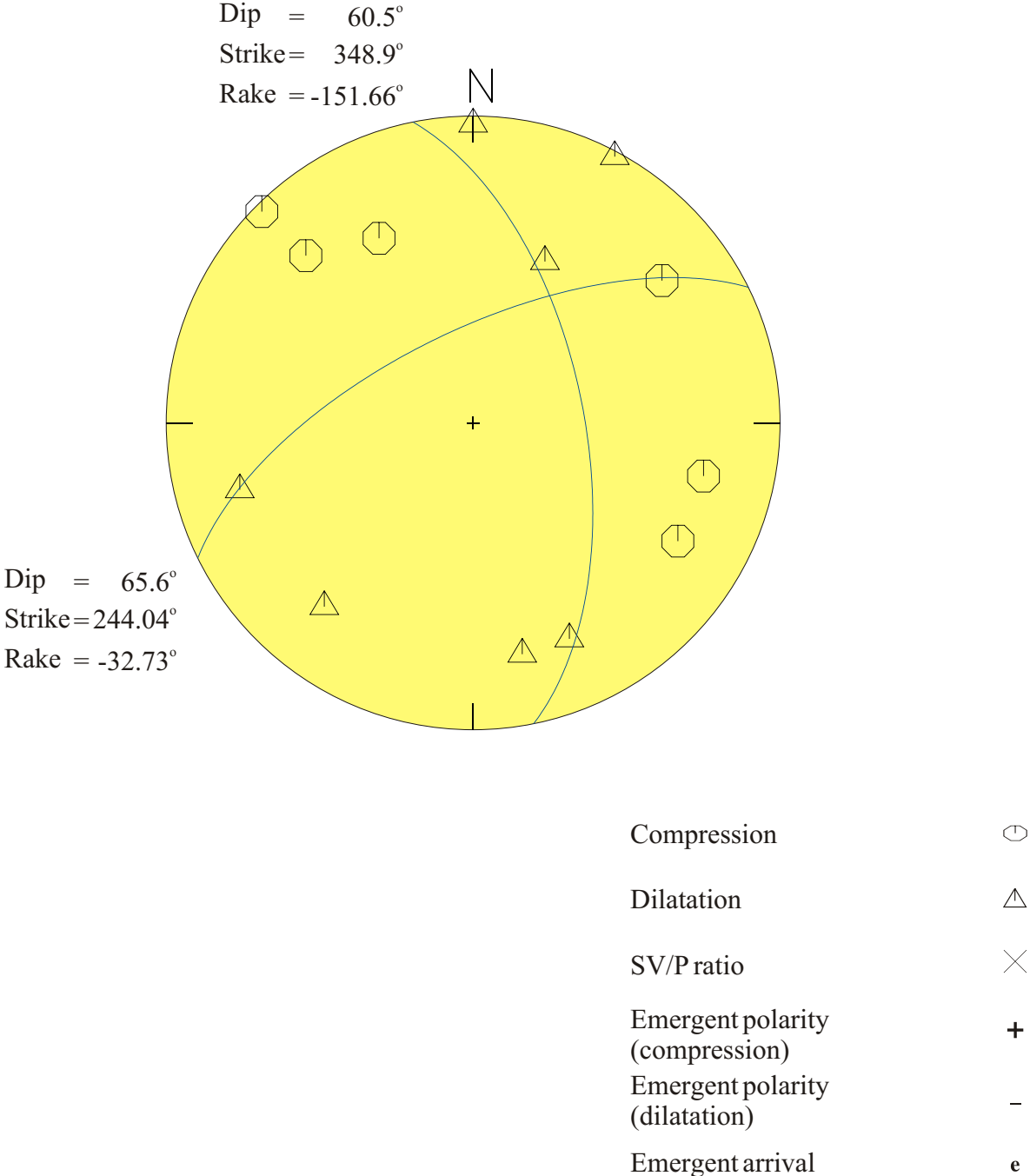


Figure 7. Equal area projection of the upper lower hemisphere for the Aberfoyle earthquake 20 June 2003 06:44 UTC 3.2 ML. The axes of maximum and minimum compressive stress are denoted by P and T respectively.



**TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 2003**

| YearMoDy | HrMnSecs | Lat   | Lon   | kmE   | kmN    | Dep  | Mag | Locality                    | Int | No | DM | Gap | RMS  | ERH   | ERZ   | SQD | Comments                  |
|----------|----------|-------|-------|-------|--------|------|-----|-----------------------------|-----|----|----|-----|------|-------|-------|-----|---------------------------|
| 20030105 | 201838.2 | 53.55 | -2.25 | 383.8 | 405.9  | 5.0  | 1.4 | MANCHESTER AREA             | 2+  | 7  | 26 | 228 | 0.16 | 2.20  | 3.00  | B*D | FELT MANCHESTER           |
| 20030106 | 213605.7 | 53.63 | 3.96  | 793.7 | 431.4  | 15.0 | 2.7 | SOUTHERN NORTH SEA          |     | 8  | 90 | 330 | 0.29 |       |       | D*D |                           |
| 20030112 | 054153.1 | 56.24 | -3.74 | 292.1 | 706.9  | 4.7  | 2.4 | BLACKFORD, TAYSIDE          | 3+  | 12 | 15 | 103 | 0.07 | 0.30  | 0.70  | A*C | FELT BLACKFORD            |
| 20030114 | 050159.2 | 49.95 | -4.99 | 185.5 | 10.2   | 14.9 | 0.3 | OFF LIZARD POINT            |     | 9  | 17 | 333 | 0.04 | 1.20  | 0.30  | B*D | 15KM SE OF LIZARD POINT   |
| 20030117 | 120234.2 | 53.23 | -3.13 | 324.3 | 371.0  | 5.4  | 1.2 | MOLD, CLWYD                 |     | 9  | 52 | 302 | 0.09 | 2.10  | 18.20 | C*D |                           |
| 20030118 | 025940.6 | 52.98 | -4.15 | 255.5 | 345.0  | 15.7 | 1.2 | PORTHMADOG, GWYNEDD         | 2+  | 14 | 18 | 76  | 0.10 | 0.50  | 1.20  | A*B | FELT HARLECH              |
| 20030121 | 014055.8 | 51.67 | -3.06 | 326.9 | 197.5  | 9.4  | 1.6 | PONTYPOOL, GWENT            |     | 7  | 37 | 177 | 0.06 | 0.90  | 13.80 | C*C |                           |
| 20030123 | 173431.7 | 51.72 | -3.34 | 307.7 | 202.9  | 10.3 | 1.5 | MERTHYR TYDFIL, M GLAMORGAN |     | 8  | 38 | 101 | 0.09 | 1.10  | 22.60 | C*C |                           |
| 20030125 | 192059.4 | 51.67 | -3.05 | 327.3 | 197.3  | 3.2  | 1.5 | PONTYPOOL, GWENT            |     | 10 | 17 | 82  | 0.12 | 0.70  | 1.50  | A*C |                           |
| 20030130 | 003514.1 | 56.25 | -3.76 | 291.2 | 707.7  | 5.8  | 1.6 | BLACKFORD, TAYSIDE          | 2+  | 11 | 25 | 111 | 0.10 | 0.70  | 1.80  | A*C | FELT GLENDEVON            |
| 20030204 | 161959.7 |       |       |       |        |      |     | SONIC-NORTH WALES           | 3+  |    |    |     |      |       |       | *   | SONIC-FELT NORTH WALES... |
| 20030206 | 035135.8 | 56.01 | -5.32 | 193.1 | 684.7  | 6.7  | 1.3 | LOCH FYNE, STRATHCLYDE      |     | 6  | 40 | 305 | 0.07 | 10.70 | 26.20 | D*D |                           |
| 20030207 | 174040.2 | 50.21 | -4.97 | 187.9 | 38.7   | 7.2  | 0.6 | FALMOUTH, CORNWALL          |     | 12 | 12 | 315 | 0.03 | 0.40  | 0.70  | A*D | 7KM NE OF FALMOUTH        |
| 20030207 | 181529.7 | 50.22 | -4.94 | 190.0 | 39.5   | 5.5  | 1.1 | FALMOUTH, CORNWALL          |     | 14 | 14 | 206 | 0.05 | 0.60  | 1.20  | A*D | 7KM NE OF FALMOUTH        |
| 20030208 | 032115.8 | 52.97 | -4.39 | 239.4 | 343.5  | 22.9 | 0.8 | PWLLHELI, GWYNEDD           |     | 10 | 3  | 133 | 0.04 | 0.50  | 0.40  | A*B | 8KM N OF PWLLHELI         |
| 20030217 | 234714.9 | 56.49 | -6.03 | 151.8 | 740.6  | 8.1  | 1.9 | MULL, STRATHCLYDE           |     | 15 | 49 | 214 | 0.14 | 1.40  | 1.50  | B*D |                           |
| 20030219 | 223457.7 | 53.16 | -1.12 | 458.7 | 362.6  | 0.8  | 1.0 | MANSFIELD, NOTTS            | 2+  | 7  | 29 | 169 | 0.05 | 0.50  | 1.20  | A*C | C/F, FELT MANSFIELD       |
| 20030221 | 110313.2 | 54.33 | -3.18 | 323.2 | 493.7  | 2.9  | 1.1 | DUNNERDALE, CUMBRIA         |     | 15 | 1  | 186 | 0.12 | 0.90  | 0.20  | A*D |                           |
| 20030221 | 112606.6 | 52.96 | -2.29 | 380.5 | 340.6  | 3.9  | 2.0 | NEWCASTLE-U-LYME, STAFFS    |     | 7  | 31 | 153 | 0.08 | 1.00  | 1.80  | A*C |                           |
| 20030222 | 112408.6 | 52.97 | -2.28 | 381.0 | 341.5  | 5.3  | 2.3 | NEWCASTLE-U-LYME, STAFFS    |     | 9  | 30 | 120 | 0.09 | 0.60  | 1.50  | A*C |                           |
| 20030222 | 223113.1 | 56.13 | -5.25 | 198.0 | 698.0  | 6.6  | 1.5 | INVERARAY, STRATHCLYDE      | 3+  | 9  | 45 | 203 | 0.15 | 2.30  | 2.90  | B*D | FELT FURNACE & CAIRNDOW   |
| 20030223 | 025929.2 | 52.97 | -2.27 | 382.0 | 341.7  | 2.7  | 1.4 | NEWCASTLE-U-LYME, STAFFS    |     | 5  | 29 | 195 | 0.01 | 0.30  | 0.50  | A*D |                           |
| 20030223 | 082914.7 | 58.33 | -4.28 | 266.4 | 940.0  | 7.6  | 1.7 | STRATHNAVER, HIGHLAND       |     | 15 | 39 | 99  | 0.41 | 1.50  | 13.60 | C*C |                           |
| 20030224 | 032102.0 | 58.34 | -4.31 | 264.9 | 941.2  | 8.2  | 1.6 | STRATHNAVER, HIGHLAND       |     | 18 | 39 | 100 | 0.36 | 1.30  | 9.90  | C*C |                           |
| 20030301 | 000704.1 | 53.24 | -1.10 | 460.3 | 371.9  | 2.9  | 1.0 | WORKSOP, NOTTS              | 2+  | 6  | 29 | 218 | 0.24 | 5.40  | 6.90  | D*D | C/F, FELT EDWINSTOWE      |
| 20030301 | 020144.0 | 52.97 | -2.29 | 380.5 | 341.7  | 3.9  | 2.2 | NEWCASTLE-U-LYME, STAFFS    |     | 7  | 31 | 162 | 0.08 | 0.70  | 1.40  | A*C |                           |
| 20030301 | 172643.0 | 52.33 | -3.83 | 275.5 | 271.8  | 14.4 | 1.8 | DEVIL'S BRIDGE, DYFED       |     | 10 | 47 | 108 | 0.21 | 1.40  | 2.20  | B*C |                           |
| 20030303 | 085741.0 | 56.46 | -6.12 | 145.9 | 737.3  | 7.9  | 2.1 | ISLE OF MULL, S'CLYDE       | 3+  | 10 | 54 | 196 | 0.15 | 2.10  | 2.20  | B*D | FELT ISLE OF MULL         |
| 20030305 | 001252.7 | 52.96 | -2.28 | 381.5 | 340.7  | 4.7  | 1.7 | NEWCASTLE-U-LYME, STAFFS    |     | 6  | 30 | 160 | 0.08 | 1.70  | 2.60  | B*C |                           |
| 20030305 | 195559.5 | 52.16 | -2.56 | 361.5 | 251.6  | 19.9 | 1.0 | LEOMINSTER, HER & WOR       |     | 6  | 14 | 227 | 0.06 | 1.10  | 2.00  | B*D | 9KM S OF LEOMINSTER       |
| 20030306 | 012748.1 | 49.11 | -1.81 | 413.5 | -87.4  | 12.1 | 1.4 | SE OF JERSEY, CHANNEL ISLES |     | 5  | 19 | 351 | 0.02 | 4.50  | 3.90  | C*D | 20KM SE OF JERSEY         |
| 20030308 | 105900.2 | 52.98 | -2.29 | 380.4 | 342.0  | 2.6  | 1.9 | NEWCASTLE-U-LYME, STAFFS    |     | 7  | 31 | 140 | 0.06 | 0.80  | 1.50  | A*C |                           |
| 20030308 | 214812.1 | 53.84 | -3.19 | 321.5 | 439.3  | 10.6 | 1.6 | IRISH SEA                   |     | 16 | 43 | 85  | 0.23 | 0.90  | 15.70 | C*C | 9KM W OF BLACKPOOL        |
| 20030316 | 000721.2 | 56.26 | -3.74 | 292.0 | 708.7  | 3.1  | 0.9 | BLACKFORD, TAYSIDE          | 2+  | 10 | 15 | 107 | 0.05 | 0.30  | 0.80  | A*C | FELT BLACKFORD            |
| 20030317 | 102414.2 | 51.65 | -3.06 | 326.6 | 195.4  | 5.0  | 1.1 | CWMBRAN, GWENT              |     | 7  | 18 | 248 | 0.10 | 1.00  | 1.90  | B*D |                           |
| 20030324 | 123044.7 | 52.44 | -1.95 | 403.5 | 282.5  | 15.5 | 1.6 | BIRMINGHAM, W MIDLANDS      |     | 10 | 53 | 98  | 0.12 | 0.70  | 1.10  | A*D |                           |
| 20030325 | 045559.1 | 54.54 | -3.66 | 292.9 | 517.5  | 3.0  | 0.7 | OFF WHITEHAVEN, CUMBRIA     |     | 16 | 11 | 95  | 0.19 | 0.50  | 1.10  | B*C | 5KM OFFSHORE              |
| 20030327 | 225430.3 | 53.21 | -1.07 | 462.1 | 368.8  | 0.7  | 0.9 | WORKSOP, NOTTS              | 2+  | 7  | 31 | 185 | 0.21 | 2.60  | 1.60  | C*D | C/F, FELT EDWINSTOWE      |
| 20030328 | 204714.7 | 54.55 | -3.67 | 292.2 | 517.9  | 2.5  | 1.2 | OFF WHITEHAVEN, CUMBRIA     |     | 15 | 12 | 95  | 0.08 | 0.30  | 0.50  | A*C | 5KM OFFSHORE              |
| 20030329 | 025136.6 | 54.76 | -2.63 | 359.5 | 540.5  | 10.7 | 0.8 | PENRITH, CUMBRIA            |     | 13 | 17 | 163 | 0.09 | 0.40  | 1.60  | A*C | 10KM NE OF PENRITH        |
| 20030402 | 210713.1 | 56.95 | -5.65 | 177.9 | 790.0  | 5.2  | 0.8 | LOCH MORAR, HIGHLAND        |     | 5  | 11 | 228 | 0.09 | 1.10  | 1.10  | B*D |                           |
| 20030403 | 102100.0 | 0.00  | 0.00  |       |        | 0.0  |     | SONIC-HUMBERSIDE            | 2+  |    |    |     |      |       |       | *   | SONIC-FELT BRIDLINGTON    |
| 20030407 | 052809.7 | 60.39 | 2.18  | 630.2 | 1174.7 | 8.6  | 3.0 | NORTHERN NORTH SEA          |     | 19 | 59 | 147 | 0.43 | 2.60  | 3.70  | C*D |                           |
| 20030409 | 215850.5 | 61.36 | 2.70  | 651.3 | 1284.1 | 9.4  | 2.4 | NORTHERN NORTH SEA          |     | 16 | 16 | 176 | 0.18 | 1.00  | 2.50  | B*D |                           |
| 20030412 | 104637.5 | 54.50 | -3.27 | 318.1 | 512.6  | 12.3 | 0.8 | BUTTERMERE, CUMBRIA         |     | 15 | 6  | 119 | 0.13 | 0.60  | 1.00  | A*B | 5KM S OF BUTTERMERE       |
| 20030414 | 143548.3 | 51.70 | -3.25 | 313.9 | 200.7  | 2.1  | 1.4 | BARGOED, MID GLAMORGAN      |     | 5  | 31 | 255 | 0.04 | 1.20  | 1.40  | B*D | C/F                       |
| 20030418 | 030128.7 | 49.99 | -5.03 | 183.0 | 14.7   | 25.6 | 1.2 | OFF LIZARD PT, CORNWALL     |     | 7  | 12 | 323 | 0.01 | 0.50  | 0.30  | A*D | 13KM NE OF LIZARD POINT   |
| 20030418 | 113524.0 | 53.07 | -4.45 | 235.7 | 355.2  | 3.9  | 0.4 | CAERNARVON BAY, GWYNEDD     |     | 4  | 10 | 168 | 0.01 | 0.00  | 0.00  | A*D |                           |
| 20030419 | 070022.1 | 57.55 | -5.66 | 181.1 | 856.9  | 12.5 | 0.6 | LOCH TORRIDON, HIGHLAND     |     | 4  | 22 | 286 | 0.09 | 0.00  | 0.00  | A*D |                           |
| 20030421 | 230812.1 | 60.29 | 1.15  | 573.9 | 1160.4 | 15.5 | 2.0 | NORTHERN NORTH SEA          |     | 5  | 30 | 348 | 0.27 |       |       | D*D |                           |
| 20030422 | 235258.9 | 53.83 | -3.22 | 319.9 | 437.4  | 8.2  | 1.1 | IRISH SEA                   |     | 7  | 86 | 189 | 0.21 | 2.80  | 7.10  | C*D | 11KM WEST OF BLACKPOOL    |
| 20030508 | 180954.2 | 56.54 | -4.55 | 243.3 | 741.7  | 6.7  | 1.7 | NW OF KILLIN, CENTRAL       |     | 7  | 41 | 163 | 0.12 | 1.40  | 17.90 | C*C | 15KM NW OF KILLIN         |
| 20030508 | 193824.1 | 51.99 | -3.62 | 289.0 | 234.2  | 7.3  | 2.3 | LLANDOVERY, POWYS           |     | 24 | 26 | 68  | 0.17 | 0.50  | 2.20  | B*C | 15KM EAST OF LLANDOVERY   |

**TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 2003**

|          |          |       |       |       |        |      |     |                             |    |    |     |      |       |       |      |                         |                   |
|----------|----------|-------|-------|-------|--------|------|-----|-----------------------------|----|----|-----|------|-------|-------|------|-------------------------|-------------------|
| 20030509 | 183653.5 | 57.41 | -5.88 | 167.1 | 842.0  | 5.3  | 1.7 | APPLECROSS, HIGHLAND        | 10 | 16 | 191 | 0.16 | 1.40  | 1.60  | B*D  | 5KM OFFSHORE            |                   |
| 20030510 | 020307.3 | 51.48 | -3.52 | 294.3 | 176.5  | 7.0  | 1.4 | COWBRIDGE, SOUTH GLAM       | 12 | 50 | 143 | 0.06 | 0.50  | 1.90  | A*C  |                         |                   |
| 20030514 | 024122.7 | 57.21 | -5.28 | 202.2 | 818.1  | 7.0  | 0.2 | SHIEL BRIDGE, HIGHLAND      | 3  | 9  | 327 | 0.17 | 0.00  | 0.00  | B*D  | 10KM SE OF SHIEL BRIDGE |                   |
| 20030516 | 143941.0 | 62.10 | 1.76  | 596.0 | 1363.7 | 10.6 | 2.8 | NORTHERN NORTH SEA          | 10 | 82 | 247 | 0.15 | 3.70  | 3.60  | C*D  |                         |                   |
| 20030518 | 034754.2 | 61.31 | 3.99  | 720.6 | 1284.4 | 11.2 | 2.7 | NORTHERN NORTH SEA          | 14 | 50 | 168 | 0.36 | 2.80  | 2.60  | C*C  |                         |                   |
| 20030526 | 131323.7 | 57.53 | -5.22 | 207.1 | 853.0  | 9.7  | 0.6 | GLEN CARRON, HIGHLAND       | 5  | 6  | 322 | 0.02 | 0.70  | 0.30  | A*D  |                         |                   |
| 20030531 | 225120.1 | 50.33 | -4.50 | 222.1 | 50.4   | 11.5 | 0.3 | ENGLISH CHANNEL             | 7  | 48 | 352 | 0.02 | 1.90  | 6.40  | C*D  |                         |                   |
| 20030602 | 205205.5 | 52.98 | -4.65 | 222.0 | 346.2  | 12.6 | 0.9 | CAERNARVON BAY, GWYNEDD     | 9  | 15 | 240 | 0.10 | 2.30  | 0.70  | B*D  |                         |                   |
| 20030606 | 064740.5 | 53.99 | -0.93 | 469.9 | 455.6  | 11.3 | 2.3 | YORK, NORTH YORKSHIRE       | 9  | 42 | 122 | 0.08 | 0.40  | 1.00  | A*C  |                         |                   |
| 20030607 | 175257.6 | 50.38 | -5.29 | 166.2 | 58.7   | 11.9 | 1.0 | OFFSHORE NEWQUAY, CORNWALL  | 7  | 22 | 294 | 0.30 | 2.70  | 3.10  | C*D  | 18KM WEST OF NEWQUAY    |                   |
| 20030607 | 211403.8 | 52.00 | -3.21 | 316.6 | 234.1  | 23.0 | 1.1 | TALGARTH, POWYS             | 6  | 10 | 247 | 0.02 | 0.40  | 0.30  | A*D  |                         |                   |
| 20030615 | 000022.7 | 53.55 | -2.36 | 376.2 | 405.6  | 8.0  | 1.6 | BOLTON, GTR MANCHESTER      | 14 | 64 | 149 | 0.22 | 1.20  | 3.30  | B*D  |                         |                   |
| 20030615 | 124144.6 | 59.45 | 2.23  | 639.6 | 1069.6 | 6.8  | 2.1 | NORTHERN NORTH SEA          | 11 | 5  | 305 | 0.36 | 28.90 | 35.30 | D*D  |                         |                   |
| 20030616 | 023835.8 | 52.71 | -4.15 | 254.6 | 314.3  | 11.7 | 2.3 | CARDIGAN BAY                | 16 | 8  | 123 | 0.23 | 1.80  | 1.00  | B*B  |                         |                   |
| 20030616 | 160956.7 | 54.05 | -0.52 | 496.9 | 462.9  | 11.8 | 2.0 | DRIFFIELD, HUMBERSIDE       | 11 | 33 | 187 | 0.21 | 1.40  | 2.80  | B*D  | 5KM NW OF DRIFFIELD     |                   |
| 20030616 | 231834.1 | 54.99 | -1.57 | 427.6 | 566.8  | 8.9  | 2.3 | NEWCASTLE, TYNE & WEAR      | 14 | 29 | 213 | 0.21 | 1.40  | 6.50  | C*D  |                         |                   |
| 20030618 | 142143.5 | 62.05 | 1.92  | 604.7 | 1358.8 | 9.0  | 2.5 | NORTHERN NORTH SEA          | 7  | 32 | 353 | 0.07 |       |       | D*D  |                         |                   |
| 20030620 | 064419.6 | 56.17 | -4.43 | 249.0 | 700.6  | 5.2  | 3.2 | ABERFOYLE, CENTRAL          | 3+ | 27 | 6   | 96   | 0.22  | 0.70  | 0.90 | B*B                     | FELT ABERFOYLE... |
| 20030620 | 065324.6 | 56.18 | -4.44 | 248.6 | 701.4  | 5.4  | 2.8 | ABERFOYLE, CENTRAL          | 3+ | 19 | 6   | 107  | 0.19  | 1.00  | 1.30 | B*B                     | FELT ABERFOYLE... |
| 20030620 | 090327.4 | 56.17 | -4.43 | 249.3 | 699.7  | 4.3  | 2.5 | ABERFOYLE, CENTRAL          | 3+ | 18 | 6   | 95   | 0.18  | 0.70  | 1.00 | B*B                     | FELT ABERFOYLE... |
| 20030623 | 100507.6 | 56.16 | -4.43 | 248.8 | 699.3  | 3.2  | 1.3 | ABERFOYLE, CENTRAL          | 14 | 7  | 96  | 0.12 | 0.50  | 0.90  | A*B  |                         |                   |
| 20030624 | 005951.5 | 54.44 | -2.74 | 351.8 | 504.7  | 13.3 | 1.1 | KENDAL, CUMBRIA             | 8  | 79 | 175 | 0.11 | 2.70  | 1.50  | C*D  |                         |                   |
| 20030624 | 022645.2 | 54.45 | -2.81 | 347.6 | 506.1  | 4.4  | 0.9 | KENDAL, CUMBRIA             | 11 | 41 | 171 | 0.30 | 4.00  | 8.10  | C*C  |                         |                   |
| 20030624 | 032314.7 | 57.02 | -5.55 | 184.3 | 797.6  | 6.1  | 0.4 | KNOYDART, HIGHLAND          | 6  | 20 | 215 | 0.17 | 3.80  | 3.10  | C*D  |                         |                   |
| 20030625 | 115354.8 | 56.16 | -4.43 | 249.2 | 699.5  | 2.7  | 1.4 | ABERFOYLE, CENTRAL          | 2+ | 12 | 6   | 96   | 0.12  | 0.60  | 1.10 | A*B                     | FELT ABERFOYLE    |
| 20030626 | 095713.1 | 56.17 | -4.44 | 248.5 | 700.0  | 4.4  | 1.5 | ABERFOYLE, CENTRAL          | 14 | 7  | 106 | 0.15 | 0.80  | 0.90  | A*B  |                         |                   |
| 20030627 | 020932.2 | 56.17 | -4.44 | 248.8 | 700.1  | 4.8  | 2.8 | ABERFOYLE, CENTRAL          | 3+ | 19 | 6   | 96   | 0.22  | 0.80  | 1.00 | B*B                     | FELT ABERFOYLE... |
| 20030627 | 021123.1 | 56.17 | -4.45 | 247.8 | 700.4  | 3.1  | 1.3 | ABERFOYLE, CENTRAL          | 2+ | 14 | 7   | 115  | 0.11  | 0.60  | 0.80 | A*B                     | FELT ABERFOYLE    |
| 20030627 | 031257.1 | 56.16 | -4.43 | 249.4 | 699.5  | 3.1  | 1.3 | ABERFOYLE, CENTRAL          | 6  | 6  | 164 | 0.08 | 1.70  | 1.80  | B*C  |                         |                   |
| 20030629 | 231217.7 | 52.98 | -1.93 | 405.0 | 343.1  | 12.7 | 0.5 | CHEADLE, STAFFORDSHIRE      | 6  | 7  | 241 | 0.03 | 0.60  | 0.30  | A*D  |                         |                   |
| 20030630 | 150842.2 | 60.39 | -0.62 | 476.0 | 1167.8 | 9.4  | 0.3 | OFF SHETLAND ISLES          | 6  | 31 | 274 | 0.10 | 3.20  | 23.70 | C*D  | 30KM EAST OF YELL       |                   |
| 20030703 | 072555.9 | 57.07 | -5.71 | 175.3 | 803.7  | 5.7  | 1.3 | KNOYDART, HIGHLAND          | 3  | 18 | 162 | 0.02 | 0.00  | 0.00  | A*D  |                         |                   |
| 20030708 | 070205.1 | 52.67 | -3.85 | 275.1 | 309.9  | 8.9  | 1.0 | MACHYNLLETH, POWYS          | 12 | 13 | 126 | 0.10 | 0.70  | 1.00  | A*B  | 8KM N OF MACHYNLLETH    |                   |
| 20030709 | 010918.5 | 57.10 | -5.73 | 173.9 | 807.0  | 2.5  | 0.0 | KNOYDART, HIGHLAND          | 5  | 21 | 174 | 0.08 | 0.20  | 0.30  | A*D  |                         |                   |
| 20030709 | 022846.8 | 50.53 | -5.42 | 157.7 | 75.5   | 11.7 | 0.4 | W OF TREVOSE HEAD, CORNWALL | 12 | 40 | 216 | 0.21 | 1.70  | 1.80  | B*D  | 30KM W OF TREVOSE HEAD  |                   |
| 20030712 | 083556.7 | 56.25 | -3.74 | 292.0 | 707.5  | 3.9  | 0.7 | BLACKFORD, TAYSIDE          | 9  | 15 | 105 | 0.09 | 0.40  | 1.50  | A*C  |                         |                   |
| 20030712 | 140949.7 | 52.12 | -3.57 | 292.7 | 248.0  | 11.2 | 0.8 | LLANGAMMARCH WELLS, POWYS   | 10 | 21 | 147 | 0.09 | 0.60  | 1.20  | A*C  |                         |                   |
| 20030712 | 201141.2 | 53.83 | 1.24  | 613.3 | 441.7  | 3.3  | 2.1 | SOUTHERN NORTH SEA          | 10 | 5  | 282 | 0.37 | 6.60  | 5.60  | D*D  |                         |                   |
| 20030714 | 062237.6 | 56.15 | -5.20 | 201.2 | 699.6  | 14.5 | 1.2 | FURNACE, STRATHCLYDE        | 7  | 44 | 140 | 0.04 | 0.90  | 1.70  | A*C  |                         |                   |
| 20030719 | 154211.9 | 58.26 | -5.10 | 218.3 | 934.3  | 4.3  | 1.2 | KYLESTROME, HIGHLAND        | 9  | 66 | 230 | 0.16 | 1.40  | 4.30  | B*D  |                         |                   |
| 20030723 | 232032.1 | 59.90 | -1.72 | 415.7 | 1112.3 | 21.2 | 1.2 | OFF SHETLAND ISLES          | 8  | 30 | 160 | 0.06 | 0.90  | 2.60  | B*C  | 24KM W OF SUMBURGH HEAD |                   |
| 20030726 | 035209.0 | 52.29 | -3.69 | 284.7 | 266.8  | 20.2 | 1.0 | RHAYADER, POWYS             | 8  | 37 | 187 | 0.06 | 0.90  | 2.80  | B*D  |                         |                   |
| 20030802 | 004504.1 | 53.98 | -2.68 | 355.6 | 454.0  | 7.7  | 1.5 | LANCASTER, LANCAS           | 16 | 49 | 73  | 0.17 | 0.70  | 15.10 | C*C  | 10KM SE OF LANCASTER    |                   |
| 20030803 | 072230.5 | 53.23 | -3.71 | 285.7 | 371.6  | 13.6 | 0.2 | CONWY, GWYNEDD              | 8  | 13 | 325 | 0.06 | 1.10  | 0.60  | B*D  | 8KM SE OF CONWY         |                   |
| 20030806 | 234719.8 | 57.13 | -5.42 | 192.8 | 809.3  | 14.1 | 0.0 | SHIEL BRIDGE, HIGHLAND      | 5  | 9  | 226 | 0.08 | 2.90  | 3.40  | C*D  | 10KM S OF SHIEL BRIDGE  |                   |
| 20030813 | 001549.0 | 52.97 | -3.84 | 276.3 | 342.7  | 14.8 | 1.0 | FFESTINIOG, GWYNEDD         | 11 | 29 | 107 | 0.08 | 0.50  | 3.10  | B*B  | 6KM E OF FFESTINIOG     |                   |
| 20030816 | 165944.4 | 50.16 | -5.34 | 161.4 | 34.4   | 6.0  | 0.8 | CAMBORNE, CORNWALL          | 9  | 9  | 162 | 0.05 | 0.60  | 1.60  | A*C  | 6KM SW OF CAMBORNE      |                   |
| 20030819 | 194618.6 | 53.48 | -1.01 | 465.5 | 398.8  | 13.2 | 3.1 | DONCASTER, S YORKSHIRE      | 3+ | 12 | 43  | 80   | 0.07  | 0.30  | 2.50 | B*C                     | FELT RETFORD      |
| 20030823 | 033520.6 | 56.17 | -4.43 | 248.8 | 699.7  | 2.8  | 1.5 | ABERFOYLE, CENTRAL          | 3+ | 16 | 7   | 96   | 0.10  | 0.40  | 0.80 | A*B                     | FELT ABERFOYLE    |
| 20030823 | 121828.1 | 52.97 | -4.52 | 231.1 | 344.4  | 17.9 | 0.6 | CAERNARVON BAY, GWYNEDD     | 7  | 6  | 223 | 0.07 | 1.40  | 0.90  | B*D  |                         |                   |
| 20030827 | 200403.9 | 57.55 | -5.09 | 214.9 | 855.6  | 8.8  | 1.0 | KINLOCHEWE, HIGHLAND        | 5  | 41 | 214 | 0.16 | 0.60  | 6.70  | C*D  | 12KM SE OF KINLOCHEWE   |                   |
| 20030902 | 193203.7 | 51.18 | -3.71 | 280.1 | 143.8  | 6.9  | 1.2 | LYNTON, DEVON               | 9  | 14 | 155 | 0.11 | 1.70  | 1.60  | B*C  | 5KM SE OF LYNTON        |                   |
| 20030903 | 212907.0 | 56.26 | -3.73 | 292.7 | 708.4  | 7.4  | 2.2 | BLACKFORD, TAYSIDE          | 3+ | 5  | 14  | 195  | 0.02  | 1.20  | 1.20 | B*D                     | FELT BLACKFORD    |
| 20030914 | 130233.7 | 49.78 | -5.79 | 126.8 | -6.5   | 3.2  | 1.0 | OFF LAND'S END, CORNWALL    | 8  | 45 | 324 | 0.04 | 1.00  | 15.40 | C*D  | 30KM SW OF LAND'S END   |                   |
| 20030915 | 080048.5 | 56.18 | -4.45 | 248.0 | 701.0  | 4.6  | 2.2 | ABERFOYLE, CENTRAL          | 3+ | 13 | 7   | 208  | 0.09  | 0.60  | 0.50 | A*D                     | FELT ABERFOYLE    |



**TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 2003**

|          |          |       |       |       |        |      |     |                          |    |    |    |     |      |       |       |     |                         |
|----------|----------|-------|-------|-------|--------|------|-----|--------------------------|----|----|----|-----|------|-------|-------|-----|-------------------------|
| 20030916 | 001126.3 | 51.25 | -4.90 | 197.8 | 154.0  | 7.4  | 0.8 | BRISTOL CHANNEL          |    | 13 | 40 | 263 | 0.39 | 4.90  | 12.40 | C*D | OFF LUNDY ISLAND        |
| 20030916 | 124601.7 | 56.00 | -4.04 | 272.8 | 680.2  | 0.0  | 1.8 | RISKEND QUARRY, KILSYTH  | 2+ | 6  | 4  | 91  | 0.05 | 0.40  | 0.60  | A*B | FELT KILSYTH            |
| 20030919 | 090456.9 | 51.85 | -2.49 | 366.0 | 217.1  | 8.8  | 1.9 | DRYBROOK, GLOUCS         |    | 13 | 21 | 83  | 0.08 | 0.40  | 4.30  | B*C |                         |
| 20030922 | 152012.2 | 52.81 | -2.22 | 385.1 | 323.4  | 9.0  | 1.5 | STAFFORD, STAFFORDSHIRE  |    | 11 | 35 | 97  | 0.14 | 0.80  | 3.50  | B*C | 5KM W OF STAFFORD       |
| 20030924 | 131829.9 | 54.56 | -2.63 | 359.2 | 518.7  | 8.2  | 1.8 | PENRITH, CUMBRIA         |    | 18 | 31 | 154 | 0.18 | 0.80  | 25.10 | C*C | 8KM SE OF PENRITH       |
| 20030926 | 224137.4 | 56.24 | -3.75 | 291.5 | 707.1  | 3.8  | 1.1 | BLACKFORD, TAYSIDE       |    | 10 | 15 | 105 | 0.09 | 0.50  | 1.10  | A*C |                         |
| 20030926 | 230856.9 | 56.24 | -3.75 | 291.6 | 707.1  | 3.9  | 0.9 | BLACKFORD, TAYSIDE       |    | 8  | 15 | 105 | 0.07 | 0.40  | 1.20  | A*C |                         |
| 20030927 | 010803.5 | 56.24 | -3.75 | 291.4 | 707.1  | 3.8  | 0.9 | BLACKFORD, TAYSIDE       |    | 10 | 15 | 105 | 0.10 | 0.40  | 1.10  | A*C |                         |
| 20030927 | 045726.5 | 53.36 | 2.65  | 709.0 | 395.0  | 7.4  | 2.9 | SOUTHERN NORTH SEA       |    | 12 | 0  | 316 | 0.40 | 8.10  | 6.50  | D*D |                         |
| 20031019 | 011323.0 | 61.67 | 3.14  | 671.7 | 1320.7 | 18.7 | 3.0 | NORWEGIAN SEA            |    | 24 | 1  | 185 | 0.42 | 2.30  | 3.60  | C*D |                         |
| 20031021 | 065813.4 | 57.06 | -5.76 | 172.2 | 802.8  | 7.2  | 0.9 | MALLAIG, HIGHLAND        |    | 9  | 16 | 163 | 0.10 | 2.60  | 6.20  | C*C | 6KM NE OF MALLAIG       |
| 20031023 | 125000.0 | 0.00  | 0.00  |       |        | 0.0  |     | SONIC-EAST LOTHIAN       | 3+ |    |    |     |      |       |       | *   | SONIC-FELT EAST LOTHIAN |
| 20031030 | 000518.5 | 53.21 | -1.49 | 434.1 | 367.8  | 13.1 | 1.1 | CHESTERFIELD, DERBYSHIRE |    | 8  | 6  | 99  | 0.09 | 0.70  | 0.90  | A*B |                         |
| 20031031 | 190451.1 | 56.25 | -3.75 | 291.4 | 707.9  | 5.3  | 1.3 | BLACKFORD, TAYSIDE       |    | 13 | 15 | 107 | 0.10 | 0.40  | 0.80  | A*C |                         |
| 20031101 | 092109.8 | 57.21 | -5.93 | 162.6 | 819.8  | 7.0  | 0.7 | SKYE, HIGHLAND           |    | 7  | 22 | 133 | 0.05 | 0.30  | 1.90  | A*C |                         |
| 20031106 | 195737.8 | 55.02 | -1.53 | 429.8 | 569.1  | 0.0  | 1.4 | EXPL-WHITLEY BAY         | 2+ | 15 | 31 | 246 | 0.18 | 2.20  | 1.60  | B*D | FELT WHITLEY BAY        |
| 20031111 | 193837.7 | 57.72 | -5.06 | 217.7 | 874.4  | 7.1  | 2.1 | LOCH FANNICH, HIGHLAND   | 2+ | 17 | 46 | 74  | 0.25 | 0.50  | 2.40  | B*C | FELT ACHANALT           |
| 20031113 | 022203.9 | 56.98 | -5.12 | 210.4 | 792.5  | 7.4  | 0.7 | LOCH ARKAIG, HIGHLAND    |    | 5  | 31 | 296 | 0.11 | 10.60 | 20.70 | D*D |                         |
| 20031114 | 203050.6 | 55.24 | -3.48 | 305.8 | 595.4  | 3.2  | 1.0 | JOHNSTONEBRIDGE, D & G   |    | 12 | 13 | 183 | 0.13 | 0.70  | 1.40  | A*D |                         |
| 20031117 | 105954.4 | 58.58 | -4.26 | 268.4 | 968.0  | 4.6  | 1.9 | OFF BETTYHILL, HIGHLAND  |    | 15 | 29 | 142 | 0.15 | 0.60  | 1.50  | B*C |                         |
| 20031121 | 205741.4 | 53.23 | -1.10 | 460.1 | 371.1  | 4.2  | 1.7 | WORKSOP, NOTTS           |    | 9  | 29 | 87  | 0.24 | 1.40  | 4.40  | B*C | C/F, 6KM SSE OF WORKSOP |
| 20031122 | 031209.9 | 52.15 | -2.47 | 368.0 | 250.7  | 19.4 | 1.0 | BROMYARD, HER & WOR      |    | 7  | 14 | 258 | 0.05 | 0.70  | 1.00  | A*D |                         |
| 20031122 | 190858.5 | 60.31 | 2.28  | 636.4 | 1166.4 | 8.4  | 2.7 | NORTHERN NORTH SEA       |    | 10 | 87 | 322 | 0.25 | 39.10 | 48.10 | D*D |                         |
| 20031122 | 212248.7 | 51.40 | -2.65 | 354.4 | 166.5  | 14.7 | 1.8 | BRISTOL, AVON            |    | 13 | 11 | 85  | 0.16 | 0.80  | 1.50  | B*A |                         |
| 20031126 | 143710.5 | 51.84 | -2.54 | 363.0 | 215.9  | 14.0 | 1.0 | CINDERFORD, GLOUCS       |    | 8  | 22 | 221 | 0.06 | 0.60  | 0.60  | A*D |                         |
| 20031127 | 212718.5 | 57.15 | -5.56 | 184.5 | 811.8  | 2.7  | 1.1 | LOCH HOURN, HIGHLAND     |    | 7  | 11 | 162 | 0.16 | 1.20  | 9.30  | C*C |                         |
| 20031202 | 032329.9 | 53.47 | -1.19 | 453.9 | 397.8  | 0.2  | 1.1 | MALTBY, S YORKSHIRE      | 2+ | 5  | 33 | 282 | 0.08 | 6.40  | 6.20  | D*D | C/F, FELT MALTBY        |
| 20031202 | 231807.8 | 53.47 | -1.20 | 453.0 | 397.5  | 0.2  | 1.2 | MALTBY, S YORKSHIRE      |    | 7  | 32 | 171 | 0.15 | 1.50  | 2.00  | B*C | C/F                     |
| 20031205 | 034954.8 | 53.46 | -1.24 | 450.7 | 396.7  | 1.0  | 1.5 | MALTBY, S YORKSHIRE      | 2+ | 8  | 30 | 167 | 0.16 | 1.00  | 1.50  | B*C | C/F, FELT MALTBY        |
| 20031206 | 044516.0 | 53.45 | -1.23 | 451.3 | 395.3  | 1.0  | 1.2 | MALTBY, S YORKSHIRE      |    | 5  | 30 | 279 | 0.06 | 5.80  | 5.70  | D*D | C/F                     |
| 20031207 | 001534.5 | 53.51 | -1.21 | 452.4 | 401.3  | 1.0  | 1.1 | MALTBY, S YORKSHIRE      |    | 5  | 35 | 288 | 0.13 | 15.90 | 20.10 | D*D | C/F                     |
| 20031207 | 115647.6 | 53.46 | -1.19 | 453.9 | 396.6  | 1.0  | 1.1 | MALTBY, S YORKSHIRE      |    | 5  | 32 | 280 | 0.05 | 5.20  | 5.10  | D*D | C/F                     |
| 20031207 | 195643.5 | 53.47 | -1.19 | 453.5 | 397.8  | 1.0  | 1.0 | MALTBY, S YORKSHIRE      |    | 5  | 33 | 282 | 0.13 | 16.70 | 16.30 | D*D | C/F                     |
| 20031208 | 032639.3 | 53.45 | -1.22 | 451.6 | 394.9  | 1.0  | 1.1 | MALTBY, S YORKSHIRE      |    | 5  | 30 | 278 | 0.08 | 7.90  | 7.80  | D*D | C/F                     |
| 20031208 | 054502.7 | 53.45 | -1.21 | 452.7 | 394.9  | 1.0  | 1.3 | MALTBY, S YORKSHIRE      |    | 5  | 30 | 278 | 0.16 | 11.80 | 11.70 | D*D | C/F                     |
| 20031208 | 183036.8 | 53.42 | -1.32 | 450.4 | 394.3  | 1.0  | 1.4 | MALTBY, S YORKSHIRE      | 2+ | 6  | 38 | 111 | 0.24 | 1.90  | 3.60  | B*C | C/F, FELT MALTBY        |
| 20031212 | 023940.5 | 51.69 | -3.04 | 328.5 | 199.8  | 15.3 | 1.1 | PONTYPOOL, GWENT         |    | 8  | 17 | 202 | 0.06 | 0.90  | 0.70  | A*D |                         |
| 20031212 | 141111.1 | 55.24 | -3.48 | 305.8 | 594.9  | 3.3  | 2.0 | JOHNSTONEBRIDGE, D & G   |    | 18 | 13 | 91  | 0.20 | 0.50  | 2.20  | B*C |                         |
| 20031214 | 194200.1 | 53.23 | -1.09 | 460.9 | 371.3  | 1.3  | 1.8 | WORKSOP, NOTTS           |    | 7  | 29 | 156 | 0.10 | 0.80  | 1.30  | A*C | C/F, 7KM S OF WORKSOP   |
| 20031215 | 042823.9 | 61.68 | 2.58  | 642.2 | 1319.5 | 22.0 | 3.9 | NORTHERN NORTH SEA       |    | 28 | 31 | 180 | 0.72 | 3.00  | 5.20  | D*D |                         |
| 20031218 | 074935.5 | 56.18 | -4.23 | 261.5 | 700.7  | 4.3  | 1.0 | THORNHILL, CENTRAL       |    | 11 | 7  | 125 | 0.08 | 0.40  | 0.60  | A*B | 5KM W OF THORNHILL      |
| 20031218 | 124125.6 | 56.18 | -4.23 | 261.5 | 700.8  | 4.2  | 1.3 | THORNHILL, CENTRAL       |    | 12 | 7  | 126 | 0.07 | 0.40  | 0.60  | A*B | 5KM W OF THORNHILL      |
| 20031225 | 221336.6 | 51.20 | -3.73 | 279.5 | 146.3  | 2.5  | 1.7 | LYNTON, DEVON            |    | 13 | 16 | 106 | 0.15 | 0.80  | 1.10  | B*C | 7KM SE OF LYNTON        |



## TABLE 2: PHASE DATA 2003

|  |    |      |      |    |   |       |       |      |      |
|--|----|------|------|----|---|-------|-------|------|------|
| <b>January 5 2003</b> Time: 20:18 38.2 UTC      Magnitude: 1.4 ML<br>Lat: 53.549N      Lon: -2.245W      Depth: 5.0 km<br>Grid Ref: 383.79 kmE 405.93 kmN      RMS: 0.16 secs<br>Locality: MANCHESTER AREA      Quality: C<br>Comment: FELT MANCHESTER      Intensity: 2+    |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| KBI  | SZ | 58   | EP   | 3  |   | 20:18 | 48.63 |      |      |
| KWE  | SZ | 65   | EP   | 2  |   | 20:18 | 49.23 |      |      |
| CWF  | SZ | 110  | EP   | 2  |   | 20:18 | 56.23 |      |      |
| CWF  | SN | 110  | AMPL |    |   | 20:19 | 11.89 | 11   | 0.15 |
| CWF  | SE | 110  | AMPL |    |   | 20:19 | 12.75 | 9    | 0.18 |
| KSY  | SZ | 128  | EP   | 3  |   | 20:18 | 59.94 |      |      |
| SSP  | SZ | 139  | EP   | 2  |   | 20:19 | 01.01 |      |      |
| SSP  | SN | 139  | AMPL |    |   | 20:19 | 19.38 | 5    | 0.20 |
| SSP  | SE | 139  | ES   | 2  |   | 20:19 | 17.26 |      |      |
| SSP  | SE | 139  | AMPL |    |   | 20:19 | 19.88 | 7    | 0.24 |
| SBD  | SZ | 99   | EP   | 2  |   | 20:18 | 54.43 |      |      |
| MCH  | SN | 180  | ES   | 2  |   | 20:19 | 27.30 |      |      |
| MCH  | SE | 180  | AMPL |    |   | 20:19 | 28.66 | 7    | 0.36 |
| LHO  | SZ | 26   | IP   |    | C | 20:18 | 43.09 |      |      |
| <b>January 6 2003</b> Time: 21:36 05.7 UTC      Magnitude: 2.7 ML<br>Lat: 53.631N      Lon: 3.958W      Depth: 15.0 km<br>Grid Ref: 793.74 kmE 431.44 kmN      RMS: 0.29 secs<br>Locality: SOUTHERN NORTH SEA      Quality: D  |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| AWI  | SZ | 190  | EP   | 3  |   | 21:36 | 33.98 |      |      |
| AWI  | SZ | 190  | ES   | 3  |   | 21:36 | 54.99 |      |      |
| KSY  | SZ | 312  | EP   | 2  |   | 21:36 | 49.81 |      |      |
| CWF  | SZ | 366  | EP   | 2  |   | 21:36 | 55.55 |      |      |
| KBI  | SZ | 367  | EP   | 2  |   | 21:36 | 55.69 |      |      |
| SWK  | SZ | 505  | EP   | 3  |   | 21:37 | 11.86 |      |      |
| LHO  | SZ | 385  | EP   | 2  |   | 21:36 | 58.55 |      |      |
| AEU  | SZ | 214  | EP   | 3  |   | 21:36 | 37.20 |      |      |
| AEU  | SN | 214  | ES   | 3  |   | 21:36 | 59.81 |      |      |
| AEU  | SN | 214  | AMPL |    |   | 21:37 | 04.02 | 48   | 0.28 |
| AEU  | SE | 214  | AMPL |    |   | 21:37 | 11.31 | 74   | 0.48 |
| <b>January 12 2003</b> Time: 05:41 53.1 UTC      Magnitude: 2.4 ML<br>Lat: 56.242N      Lon: -3.742W      Depth: 4.7 km<br>Grid Ref: 292.07 kmE 706.85 kmN      RMS: 0.07 secs<br>Locality: BLACKFORD, TAYSIDE      Quality: B<br>Comment: FELT BLACKFORD      Intensity: 3+ |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| PCA  | SZ | 68   | IP   |    | C | 05:42 | 04.78 |      |      |
| EDI  | SN | 50   | AMPL |    |   | 05:42 | 08.21 | 51   | 0.10 |
| EDI  | SE | 50   | ES   | 2  |   | 05:42 | 08.04 |      |      |
| EDI  | SZ | 50   | IP   |    | D | 05:42 | 01.83 |      |      |
| EAU  | SZ | 48   | IP   |    | C | 05:42 | 01.58 |      |      |
| ELO  | SZ | 26   | IP   |    | C | 05:41 | 57.96 |      |      |
| PCO  | SZ | 36   | IP   |    | C | 05:41 | 59.72 |      |      |
| ELO  | SZ | 26   | ES   | 3  |   | 05:42 | 01.31 |      |      |
| EBH  | SZ | 15   | ES   | 3  |   | 05:41 | 58.07 |      |      |
| EBH  | SZ | 15   | IP   |    | C | 05:41 | 56.04 |      |      |
| BTA  | SZ | 163  | EP   | 2  |   | 05:42 | 20.63 |      |      |
| EAB  | SZ | 37   | IP   |    | C | 05:41 | 59.93 |      |      |
| PMS  | SZ | 77   | EP   | 1  | C | 05:42 | 05.83 |      |      |
| EDI  | SE | 50   | AMPL |    |   | 05:42 | 08.51 | 142  | 0.34 |
| BBO  | SN | 171  | AMPL |    |   | 05:42 | 42.47 | 33   | 0.38 |
| BBO  | SE | 171  | AMPL |    |   | 05:42 | 42.13 | 44   | 0.48 |
| BBO  | SZ | 171  | EP   | 2  |   | 05:42 | 19.99 |      |      |
| BTA  | SE | 163  | AMPL |    |   | 05:42 | 41.06 | 84   | 0.53 |
| BTA  | SN | 163  | AMPL |    |   | 05:42 | 42.20 | 55   | 0.24 |
| BHH  | SN | 132  | AMPL |    |   | 05:42 | 33.80 | 204  | 0.29 |
| BHH  | SE | 132  | AMPL |    |   | 05:42 | 33.45 | 241  | 0.31 |
| BHH  | SN | 132  | ES   | 2  |   | 05:42 | 30.50 |      |      |
| BHH  | SZ | 132  | EP   | 2  |   | 05:42 | 15.36 |      |      |
| ESY  | SZ | 79   | IP   |    | D | 05:42 | 06.47 |      |      |
| <b>January 14 2003</b> Time: 05:01 59.2 UTC      Magnitude: 0.3 ML<br>Lat: 49.953N      Lon: -4.990W      Depth: 14.9 km<br>Grid Ref: 185.52 kmE 10.21 kmN      RMS: 0.04 secs<br>Locality: OFF LIZARD POINT      Quality: C<br>Comment: 15KM SE OF LIZARD PT                |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| CMA  | SZ | 17   | EP   | 2  |   | 05:02 | 03.11 |      |      |
| CGH  | SZ | 17   | EP   | 2  |   | 05:02 | 03.04 |      |      |
| CGW  | SZ | 23   | EP   | 2  |   | 05:02 | 03.99 |      |      |
| CBW  | SZ | 24   | EP   | 2  |   | 05:02 | 03.97 |      |      |
| CR2  | SZ | 27   | IP   |    | D | 05:02 | 04.51 |      |      |
| CR2  | SN | 27   | ES   |    |   | 05:02 | 08.68 |      |      |
| CR2  | SE | 27   | AMPL |    |   | 05:02 | 08.76 | 5    | 0.08 |
| CR2  | SN | 27   | AMPL | 2  |   | 05:02 | 08.77 | 6    | 0.08 |
| CST  | SZ | 30   | IP   |    | D | 05:02 | 04.92 |      |      |
| CCA  | SZ | 31   | EP   | 2  |   | 05:02 | 05.15 |      |      |
| CCA  | SZ | 31   | ES   | 2  |   | 05:02 | 09.53 |      |      |
| <b>January 17 2003</b> Time: 12:02 34.2 UTC      Magnitude: 1.2 ML<br>Lat: 53.230N      Lon: -3.134W      Depth: 5.4 km<br>Grid Ref: 324.29 kmE 371.02 kmN      RMS: 0.09 secs<br>Locality: MOLD, CLWYD      Quality: D  |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| WPM  | SZ | 52   | EP   | 1  | C | 12:02 | 42.78 |      |      |
| WPM  | SZ | 52   | ES   | 3  |   | 12:02 | 48.98 |      |      |
| WME  | SZ | 80   | EP   | 2  |   | 12:02 | 47.59 |      |      |
| WLF  | SZ | 84   | EP   | 2  |   | 12:02 | 48.49 |      |      |
| WFB  | SZ | 86   | EP   | 2  |   | 12:02 | 48.69 |      |      |
| <b>January 18 2003</b> Time: 02:59 40.6 UTC      Magnitude: 1.2 ML<br>Lat: 52.982N      Lon: -4.153W      Depth: 15.7 km<br>Grid Ref: 255.51 kmE 344.96 kmN      RMS: 0.10 secs<br>Locality: PORTHMADOG, GWYNEDD      Quality: B<br>Comment: FELT HARLECH                    |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| WPM  | SZ | 35   | ES   | 2  |   | 02:59 | 51.75 |      |      |
| WFB  | SZ | 34   | ES   | 2  |   | 02:59 | 51.44 |      |      |
| WFB  | SZ | 34   | IP   | 1  | D | 02:59 | 46.92 |      |      |
| YLL  | SZ | 18   | IP   |    | C | 02:59 | 44.82 |      |      |
| YLL  | SZ | 18   | ES   | 2  |   | 02:59 | 47.56 |      |      |
| HSA  | SZ |      | EP   | 2  |   | 03:00 | 03.19 |      |      |
| MCH  | SE |      | AMPL |    |   | 03:00 | 20.56 | 15   | 0.10 |
| HAE  | SZ |      | EP   | 2  |   | 03:00 | 05.24 |      |      |
| MCH  | SN |      | AMPL |    |   | 03:00 | 20.17 | 20   | 0.31 |
| MCH  | SE |      | ES   | 2  |   | 03:00 | 18.56 |      |      |
| MCH  | SZ |      | EP   | 2  |   | 03:00 | 02.64 |      |      |
| HPE  | SZ |      | EP   | 3  |   | 03:00 | 01.00 |      |      |
| WCB  | SE | 51   | AMPL |    |   | 02:59 | 56.00 | 12   | 0.19 |
| YRE  | SZ | 18   | IP   |    | D | 02:59 | 44.90 |      |      |
| YRH  | SZ | 36   | IP   | 1  | C | 02:59 | 47.26 |      |      |
| WPM  | SZ | 35   | IP   |    | C | 02:59 | 47.21 |      |      |
| SSP  | SE | 94   | AMPL |    |   | 03:00 | 11.73 | 13   | 0.37 |
| SSP  | SN | 94   | AMPL |    |   | 03:00 | 10.86 | 12   | 0.12 |
| SSP  | SN | 94   | ES   | 3  |   | 03:00 | 07.85 |      |      |
| SSP  | SZ | 94   | EP   | 1  | D | 02:59 | 56.54 |      |      |
| SBD  | SZ | 61   | EP   | 3  |   | 02:59 | 51.47 |      |      |
| WCB  | SN | 51   | AMPL |    |   | 02:59 | 55.95 | 12   | 0.16 |
| WCB  | SE | 51   | ES   | 3  |   | 02:59 | 55.78 |      |      |
| WCB  | SZ | 51   | IP   |    | D | 02:59 | 49.47 |      |      |
| WME  | SZ | 47   | EP   | 1  | C | 02:59 | 48.89 |      |      |
| YRC  | SZ | 41   | EP   | 2  |   | 02:59 | 47.94 |      |      |
| WLF  | SZ | 38   | IP   | 1  | D | 02:59 | 47.43 |      |      |
| <b>January 21 2003</b> Time: 01:40 55.8 UTC      Magnitude: 1.6 ML<br>Lat: 51.671N      Lon: -3.058W      Depth: 9.4 km<br>Grid Ref: 326.87 kmE 197.48 kmN      RMS: 0.06 secs<br>Locality: PONTYPOOL, GWENT      Quality: C   |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| MCH  | SZ | 37   | IP   |    | C | 01:41 | 02.25 |      |      |
| HPE  | SZ | 122  | EP   | 2  |   | 01:41 | 15.94 |      |      |
| HEX  | SZ | 85   | EP   | 2  |   | 01:41 | 09.88 |      |      |
| HSA  | SZ | 76   | EP   | 3  |   | 01:41 | 08.59 |      |      |
| HAE  | SZ | 54   | EP   | 2  |   | 01:41 | 05.08 |      |      |
| HTR  | SZ | 48   | EP   | 2  |   | 01:41 | 04.01 |      |      |
| HTR  | SZ | 48   | ES   | 3  |   | 01:41 | 10.11 |      |      |
| MCH  | SE | 37   | AMPL |    |   | 01:41 | 07.52 | 123  | 0.26 |
| MCH  | SN | 37   | AMPL |    |   | 01:41 | 07.43 | 52   | 0.18 |
| MCH  | SE | 37   | ES   | 1  |   | 01:41 | 07.22 |      |      |
| <b>January 23 2003</b> Time: 17:34 31.7 UTC      Magnitude: 1.5 ML<br>Lat: 51.716N      Lon: -3.336W      Depth: 10.3 km<br>Grid Ref: 307.68 kmE 202.85 kmN      RMS: 0.09 secs<br>Locality: MERTHYR TYDFIL, M GLAMORGAN      Quality: C                                     |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| MCH  | SZ | 39   | EP   | 2  |   | 17:34 | 38.72 |      |      |
| HPE  | SZ | 102  | EP   | 2  |   | 17:34 | 48.46 |      |      |
| SSP  | SZ | 80   | EP   | 3  |   | 17:34 | 45.20 |      |      |
| HEX  | SZ | 79   | EP   | 2  |   | 17:34 | 44.97 |      |      |
| HAE  | SZ | 65   | EP   | 3  |   | 17:34 | 43.12 |      |      |
| HTR  | SZ | 41   | IP   | 1  | C | 17:34 | 38.89 |      |      |
| HSA  | SZ | 57   | EP   | 2  |   | 17:34 | 41.15 |      |      |
| MCH  | SN | 39   | AMPL |    |   | 17:34 | 44.36 | 42   | 0.13 |
| MCH  | SE | 39   | AMPL |    |   | 17:34 | 44.20 | 63   | 0.15 |
| MCH  | SE | 39   | ES   | 2  |   | 17:34 | 43.73 |      |      |
| HGH  | SZ | 38   | IP   |    | D | 17:34 | 38.33 |      |      |
| <b>January 25 2003</b> Time: 19:20 59.4 UTC      Magnitude: 1.5 ML<br>Lat: 51.669N      Lon: -3.052W      Depth: 3.2 km<br>Grid Ref: 327.27 kmE 197.30 kmN      RMS: 0.12 secs<br>Locality: PONTYPOOL, GWENT      Quality: B   |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| HGH  | SZ | 17   | IP   |    | C | 19:21 | 02.73 |      |      |
| MCH  | SZ | 37   | IP   |    | C | 19:21 | 06.17 |      |      |
| MCH  | SN | 37   | ES   | 2  |   | 19:21 | 10.92 |      |      |
| MCH  | SN | 37   | AMPL |    |   | 19:21 | 11.35 | 40   | 0.19 |
| MCH  | SE | 37   | AMPL |    |   | 19:21 | 11.45 | 110  | 0.27 |
| HTR  | SZ | 48   | EP   | 3  |   | 19:21 | 08.02 |      |      |
| HTR  | SZ | 48   | ES   | 3  |   | 19:21 | 14.02 |      |      |
| HAE  | SZ | 54   | IP   |    | C | 19:21 | 09.00 |      |      |
| HSA  | SZ | 77   | EP   | 2  |   | 19:21 | 12.44 |      |      |
| SWK  | SZ | 81   | EP   | 2  |   | 19:21 | 13.43 |      |      |
| HEX  | SZ | 85   | EP   | 2  |   | 19:21 | 13.81 |      |      |
| SSW  | SZ | 89   | IP   |    | C | 19:21 | 15.04 |      |      |
| HPE  | SZ | 123  | EP   | 3  |   | 19:21 | 19.97 |      |      |
| <b>January 30 2003</b> Time: 00:35 14.1 UTC      Magnitude: 1.6 ML<br>Lat: 56.250N      Lon: -3.756W      Depth: 5.8 km<br>Grid Ref: 291.19 kmE 707.71 kmN      RMS: 0.10 secs<br>Locality: BLACKFORD, TAYSIDE      Quality: B<br>Comment: FELT GLENDEVON                    |    |      |      |    |   |       |       |      |      |

**TABLE 2: PHASE DATA 2003**

| STAT  | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI | WCB  | SE | 47   | ES   | 3  | 03:21 | 30.20 |       |      |                          |                          |
|---|----|------|------|----|---|-------|-------|------|------|--|----|------|------|----|-------|-------|-------|------|--------------------------|--------------------------|
| PMS   | SZ | 76   | EP   | 2  |   | 00:35 | 26.82 |      |      | WCB  | SN | 47   | AMPL |    | 03:21 | 30.96 | 4     | 0.07 |                          |                          |
| ESY   | SZ | 80   | EP   | 2  |   | 00:35 | 27.59 |      |      | WME  | SZ | 49   | EP   | 2  | 03:21 | 24.47 |       |      |                          |                          |
| EDR   | SZ | 106  | EP   | 3  |   | 00:35 | 30.94 |      |      | SBD  | SZ | 77   | EP   | 3  | 03:21 | 28.80 |       |      |                          |                          |
| ESK   | SZ | 110  | EP   | 3  |   | 00:35 | 33.05 |      |      | SSP  | SN | 106  | ES   | 2  | 03:21 | 46.16 |       |      |                          |                          |
| PCO   | SZ | 36   | IP   | 1  | C | 00:35 | 20.60 |      |      | SSP  | SN | 106  | AMPL |    | 03:21 | 47.63 | 6     | 0.16 |                          |                          |
| ESK   | SN | 110  | ES   | 3  |   | 00:35 | 45.69 |      |      | SSP  | SE | 106  | AMPL |    | 03:21 | 47.87 | 3     | 0.24 |                          |                          |
| ESK   | SE | 110  | AMPL |    |   | 00:35 | 48.09 | 38   | 0.32 | <b>February 17 2003 Time: 23:47 14.9 UTC</b> |    |      |      |    |       |       |       |      | <b>Magnitude: 1.9 ML</b> |                          |
| XAL   | SZ | 183  | EP   | 3  |   | 00:35 | 44.31 |      |      | <b>Lat: 56.492N Lon: -6.032W</b>             |    |      |      |    |       |       |       |      | <b>Depth: 8.1 km</b>     |                          |
| EDI   | SN | 51   | AMPL |    |   | 00:35 | 29.29 | 18   | 0.08 | <b>Grid Ref: 151.84 kmE 740.58 kmN</b>       |    |      |      |    |       |       |       |      | <b>RMS: 0.14 secs</b>    |                          |
| ESK   | SN | 110  | AMPL |    |   | 00:35 | 48.16 | 30   | 0.18 | <b>Locality: MULL,STRATHCLYDE</b>            |    |      |      |    |       |       |       |      | <b>Quality: C</b>        |                          |
| PCA   | SZ | 69   | EP   | 1  | C | 00:35 | 25.85 |      |      | STAT   | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI                     |                          |
| EDI   | SE | 51   | ES   | 3  |   | 00:35 | 29.19 |      |      | KPL  | SE | 97   | AMPL |    |       | 23:47 | 47.21 |      |                          |                          |
| ELO   | SZ | 25   | IP   |    | C | 00:35 | 18.80 |      |      | EDR  | SZ | 219  | EP   | 3  |       | 23:47 | 47.66 |      |                          |                          |
| EAB   | SZ | 37   | IP   |    | C | 00:35 | 20.77 |      |      | REB  | SZ | 187  | EP   | 2  |       | 23:47 | 43.00 |      |                          |                          |
| EAB   | SZ | 37   | ES   | 3  |   | 00:35 | 25.31 |      |      | RRH  | SZ | 164  | EP   |    |       | 23:47 | 40.97 |      |                          |                          |
| ELO   | SZ | 25   | ES   | 2  |   | 00:35 | 22.12 |      |      | RRR  | SE | 153  | AMPL |    |       | 23:48 | 00.04 | 24   | 0.27                     |                          |
| EAU   | SZ | 49   | EP   | 2  |   | 00:35 | 22.58 |      |      | RRR  | SN | 153  | AMPL |    |       | 23:47 | 59.64 | 26   | 0.16                     |                          |
| EDI   | SZ | 51   | EP   | 2  |   | 00:35 | 22.94 |      |      | RRR  | SN | 153  | ES   | 3  |       | 23:47 | 56.25 |      |                          |                          |
| EDI   | SE | 51   | AMPL |    |   | 00:35 | 29.48 | 29   | 0.23 | RRR  | SZ | 153  | IP   | 1  | D     | 23:47 | 39.03 |      |                          |                          |
| <b>February 6 2003 Time: 03:51 35.8 UTC</b> |    |      |      |    |   |       |       |      |      | ELO  | SZ | 143  | EP   | 3  |       | 23:47 | 37.56 |      |                          |                          |
| <b>Lat: 56.011N Lon: -5.320W</b>            |    |      |      |    |   |       |       |      |      | PCA  | SZ | 141  | EP   | 3  |       | 23:47 | 36.87 |      |                          |                          |
| <b>Grid Ref: 193.07 kmE 684.73 kmN</b>      |    |      |      |    |   |       |       |      |      | EAB  | SZ | 110  | ES   | 3  |       | 23:47 | 45.95 |      |                          |                          |
| <b>Locality: LOCH FYNE,STRATHCLYDE</b>      |    |      |      |    |   |       |       |      |      | PCO  | SZ | 132  | EP   | 2  |       | 23:47 | 36.15 |      |                          |                          |
| STAT  | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI | KAC  | SZ | 121  | EP   | 2  |       | 23:47 | 34.29 |      |                          |                          |
| PMS   | SZ | 40   | IP   |    | C | 03:51 | 42.86 |      |      | EAB  | SZ | 110  | EP   |    |       | 23:47 | 32.82 |      |                          |                          |
| PMS   | SZ | 40   | AMPL |    |   | 03:51 | 49.28 | 17   | 0.21 | PMS  | SZ | 108  | ES   | 3  |       | 23:47 | 45.41 |      |                          |                          |
| EAB   | SZ | 64   | EP   | 2  |   | 03:51 | 46.52 |      |      | PMS  | SZ | 108  | EP   | 2  |       | 23:47 | 32.18 |      |                          |                          |
| PCA   | SZ | 75   | EP   |    |   | 03:51 | 48.36 |      |      | KPL  | SN | 97   | AMPL |    |       | 23:47 | 47.39 | 27   | 0.26                     |                          |
| PCA   | SZ | 75   | AMPL |    |   | 03:52 | 00.14 | 7    | 0.12 | KPL  | SE | 97   | ES   | 3  |       | 23:47 | 42.49 |      |                          |                          |
| PCO   | SZ | 76   | EP   | 1  | C | 03:51 | 48.54 |      |      | KPL  | SZ | 97   | IP   |    | D     | 23:47 | 30.80 |      |                          |                          |
| PCO   | SZ | 76   | ES   | 3  |   | 03:51 | 57.79 |      |      | KAR  | SZ | 49   | EP   | 1  | D     | 23:47 | 23.24 |      |                          |                          |
| PCO   | SZ | 76   | AMPL |    |   | 03:51 | 58.07 | 16   | 0.27 | <b>February 19 2003 Time: 22:34 57.7 UTC</b> |    |      |      |    |       |       |       |      |                          | <b>Magnitude: 1.0 ML</b> |
| KAR   | SZ | 106  | EP   | 3  |   | 03:51 | 54.19 |      |      | <b>Lat: 53.157N Lon: -1.122W</b>             |    |      |      |    |       |       |       |      |                          | <b>Depth: 0.8 km</b>     |
| ELO   | SZ | 112  | EP   | 3  |   | 03:51 | 54.29 |      |      | <b>Grid Ref: 458.70 kmE 362.60 kmN</b>       |    |      |      |    |       |       |       |      |                          | <b>RMS: 0.05 secs</b>    |
| KPL   | SZ | 149  | EP   | 3  |   | 03:51 | 59.68 |      |      | <b>Locality: MANSFIELD,NOTTS</b>             |    |      |      |    |       |       |       |      |                          | <b>Quality: B</b>        |
| KPL   | SE | 149  | ES   | 3  |   | 03:52 | 16.62 |      |      | <b>Comment: C/F,FELT MANSFIELD</b>           |    |      |      |    |       |       |       |      |                          | <b>Intensity: 2+</b>     |
| KPL   | SN | 149  | AMPL |    |   | 03:52 | 20.75 | 7    | 0.19 | STAT   | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI                     |                          |
| KPL   | SE | 149  | AMPL |    |   | 03:52 | 21.63 | 8    | 0.12 | KBI  | SZ | 29   | EP   |    |       | 22:35 | 03.44 |      |                          |                          |
| <b>February 7 2003 Time: 17:40 40.2 UTC</b> |    |      |      |    |   |       |       |      |      | KEY  | SZ | 31   | EP   | 3  |       | 22:35 | 03.99 |      |                          |                          |
| <b>Lat: 50.209N Lon: -4.973W</b>            |    |      |      |    |   |       |       |      |      | KSY  | SZ | 42   | EP   | 3  |       | 22:35 | 05.56 |      |                          |                          |
| <b>Grid Ref: 187.92 kmE 38.67 kmN</b>       |    |      |      |    |   |       |       |      |      | CWF  | SZ | 48   | EP   | 1  | D     | 22:35 | 06.65 |      |                          |                          |
| <b>Locality: FALMOUTH,CORNWALL</b>          |    |      |      |    |   |       |       |      |      | CWF  | SE | 48   | ES   | 3  |       | 22:35 | 13.15 |      |                          |                          |
| <b>Comment: 7KM NE OF FALMOUTH</b>          |    |      |      |    |   |       |       |      |      | CWF  | SE | 48   | AMPL |    |       | 22:35 | 13.47 | 17   | 0.37                     |                          |
| STAT  | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI | CWF  | SN | 48   | AMPL |    |       | 22:35 | 14.52 | 9    | 0.14                     |                          |
| CR2   | SZ | 15   | IP   |    | C | 17:40 | 43.07 |      |      | KWE  | SZ | 51   | EP   | 3  |       | 22:35 | 07.14 |      |                          |                          |
| CR2   | SN | 15   | ES   | 1  |   | 17:40 | 45.23 |      |      | LHO  | SZ | 65   | EP   | 3  |       | 22:35 | 09.38 |      |                          |                          |
| CR2   | SN | 15   | AMPL |    |   | 17:40 | 45.38 | 23   | 0.08 | <b>February 21 2003 Time: 11:03 13.2 UTC</b> |    |      |      |    |       |       |       |      |                          | <b>Magnitude: 1.1 ML</b> |
| CR2   | SE | 15   | AMPL |    |   | 17:40 | 45.44 | 18   | 0.06 | <b>Lat: 54.333N Lon: -3.181W</b>             |    |      |      |    |       |       |       |      |                          | <b>Depth: 2.9 km</b>     |
| CGH   | SZ | 22   | EP   | 1  | C | 17:40 | 44.25 |      |      | <b>Grid Ref: 323.18 kmE 493.69 kmN</b>       |    |      |      |    |       |       |       |      |                          | <b>RMS: 0.12 secs</b>    |
| CCO   | SZ | 18   | IP   |    | C | 17:40 | 43.56 |      |      | <b>Locality: DUNNERDALE,CUMBRIA</b>          |    |      |      |    |       |       |       |      |                          | <b>Quality: C</b>        |
| CCO   | SZ | 18   | ES   | 3  |   | 17:40 | 46.24 |      |      | STAT   | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI                     |                          |
| CCA   | SZ | 18   | IP   |    | C | 17:40 | 43.60 |      |      | CDU  | SZ | 1    | IP   |    | C     | 11:03 | 13.94 |      |                          |                          |
| CST   | SZ | 14   | IP   |    | C | 17:40 | 42.88 |      |      | CSF  | SZ | 13   | IP   | 1  | C     | 11:03 | 15.74 |      |                          |                          |
| CST   | SZ | 14   | ES   | 3  |   | 17:40 | 44.96 |      |      | LMI  | SZ | 15   | IP   |    | C     | 11:03 | 16.36 |      |                          |                          |
| CBW   | SZ | 12   | IP   |    | C | 17:40 | 42.68 |      |      | LMI  | SE | 15   | ES   | 2  |       | 11:03 | 18.50 |      |                          |                          |
| CBW   | SZ | 12   | ES   | 3  |   | 17:40 | 44.53 |      |      | LMI  | SE | 15   | AMPL |    |       | 11:03 | 20.11 | 40   | 0.18                     |                          |
| CGW   | SZ | 22   | IP   |    | C | 17:40 | 44.16 |      |      | LMI  | SN | 15   | AMPL |    |       | 11:03 | 20.37 | 58   | 0.32                     |                          |
| CMA   | SZ | 18   | EP   | 1  | C | 17:40 | 43.53 |      |      | XDE  | SZ | 28   | IP   | 1  | C     | 11:03 | 18.50 |      |                          |                          |
| <b>February 7 2003 Time: 18:15 29.7 UTC</b> |    |      |      |    |   |       |       |      |      | BBO  | SZ | 45   | IP   |    | C     | 11:03 | 21.25 |      |                          |                          |
| <b>Lat: 50.217N Lon: -4.944W</b>            |    |      |      |    |   |       |       |      |      | BBO  | SE | 45   | ES   | 3  |       | 11:03 | 26.46 |      |                          |                          |
| <b>Grid Ref: 189.97 kmE 39.49 kmN</b>       |    |      |      |    |   |       |       |      |      | BBO  | SN | 45   | AMPL |    |       | 11:03 | 27.03 | 12   | 0.16                     |                          |
| <b>Locality: FALMOUTH,CORNWALL</b>          |    |      |      |    |   |       |       |      |      | BBO  | SE | 45   | AMPL |    |       | 11:03 | 27.15 | 17   | 0.25                     |                          |
| <b>Comment: 7KM NE OF FALMOUTH</b>          |    |      |      |    |   |       |       |      |      | BDL  | SZ | 55   | IP   | 1  | D     | 11:03 | 22.77 |      |                          |                          |
| STAT  | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI | BTA  | SZ | 71   | IP   |    | D     | 11:03 | 25.59 |      |                          |                          |
| CBW   | SZ | 14   | EP   | 1  | C | 18:15 | 32.39 |      |      | BTA  | SE | 71   | ES   | 3  |       | 11:03 | 34.34 |      |                          |                          |
| CBW   | SZ | 14   | ES   | 3  |   | 18:15 | 34.19 |      |      | BTA  | SE | 71   | AMPL |    |       | 11:03 | 35.83 | 15   | 0.31                     |                          |
| CSA   | SZ | 16   | EP   | 2  |   | 18:15 | 32.51 |      |      | BTA  | SN | 71   | AMPL |    |       | 11:03 | 38.69 | 10   | 0.13                     |                          |
| CST   | SZ | 16   | ES   | 3  |   | 18:15 | 34.71 |      |      | GCD  | SZ | 77   | EP   | 1  | C     | 11:03 | 26.71 |      |                          |                          |
| CSA   | SZ | 16   | ES   | 3  |   | 18:15 | 34.76 |      |      | GIM  | SZ | 84   | EP   | 2  |       | 11:03 | 27.92 |      |                          |                          |
| CST   | SZ | 16   | EP   | 2  |   | 18:15 | 32.59 |      |      | BHH  | SZ | 85   | EP   | 2  |       | 11:03 | 27.77 |      |                          |                          |
| CR2   | SZ | 17   | IP   |    | C | 18:15 | 32.84 |      |      | BHH  | SN | 85   | ES   | 3  |       | 11:03 | 38.66 |      |                          |                          |
| CR2   | SN | 17   | ES   | 2  |   | 18:15 | 34.98 |      |      | BHH  | SN | 85   | AMPL |    |       | 11:03 | 41.00 | 16   | 0.22                     |                          |
| CR2   | SN | 17   | AMPL |    |   | 18:15 | 35.14 | 60   | 0.07 | BHH  | SE | 85   | AMPL |    |       | 11:03 | 41.11 | 9    | 0.17                     |                          |
| CR2   | SE | 17   | AMPL |    |   | 18:15 | 35.21 | 54   | 0.08 | BBH  | SZ | 91   | EP   | 1  | D     | 11:03 | 28.76 |      |                          |                          |
| CCO   | SZ | 20   | EP   | 2  |   | 18:15 | 33.31 |      |      | BWH  | SZ | 99   | EP   | 2  |       | 11:03 | 30.24 |      |                          |                          |
| CCO   | SZ | 20   | ES   | 3  |   | 18:15 | 36.01 |      |      | <b>February 21 2003 Time: 11:26 06.6 UTC</b> |    |      |      |    |       |       |       |      |                          | <b>Magnitude: 2.0 ML</b> |
| CMA   | SZ | 20   | IP   |    | C | 18:15 | 33.29 |      |      | <b>Lat: 52.962N Lon: -2.290W</b>             |    |      |      |    |       |       |       |      |                          | <b>Depth: 3.9 km</b>     |
| CCA   | SZ | 21   | EP   | 2  |   | 18:15 | 33.33 |      |      | <b>Grid Ref: 380.53 kmE 340.57 kmN</b>       |    |      |      |    |       |       |       |      |                          | <b>RMS: 0.08 secs</b>    |
| CGW   | SZ | 24   | EP   | 2  |   | 18:15 | 33.89 |      |      | <b>Locality: NEWCASTLE-U-LYME,STAFFS</b>     |    |      |      |    |       |       |       |      |                          | <b>Quality: B</b>        |
| CGH   | SZ | 24   | EP   | 2  |   | 18:15 | 33.94 |      |      | STAT   | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI                     |                          |
| <b>February 8 2003 Time: 03:21 15.8 UTC</b> |    |      |      |    |   |       |       |      |      | KWE  | SZ | 31   | IP   |    | C     | 11:26 | 12.23 |      |                          |                          |
| <b>Lat: 52.965N Lon: -4.391W</b>            |    |      |      |    |   |       |       |      |      | KWE  | SZ | 31   | ES   | 3  |       | 11:26 | 15.83 |      |                          |                          |
| <b>Grid Ref: 239.44 kmE 343.50 kmN</b>      |    |      |      |    |   |       |       |      |      | KBI  | SZ | 61   | IP   |    | C     | 11:26 | 17.08 |      |                          |                          |
| <b>Locality: PWLLHELI,GWYNEDD</b>           |    |      |      |    |   |       |       |      |      | SBD  | SZ | 66   | EP   | 1  | C     | 11:26 | 17.89 |      |                          |                          |
| <b>Comment: 8KM N OF PWLLHELI</b>           |    |      |      |    |   |       |       |      |      | CWF  | SZ | 71   | IP   | 1  | C     | 11:26 | 18.79 |      |                          |                          |
| STAT  | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI | CWF  | SN | 71   | ES   | 3  |       | 11:26 | 27.11 |      |                          |                          |



**TABLE 2: PHASE DATA 2003**

WCB SN 157 AMPL 02:02 29.41 14 0.27  
 WCB SE 157 AMPL 02:02 29.96 15 0.22  
 KWE SZ 31 IP C 02:01 49.66  
 KBI SZ 60 IP C 02:01 54.49

**March 6 2003** Time: 01:27 48.1 UTC Magnitude: 1.4 ML  
 Lat: 49.113N Lon: -1.814W Depth: 12.1 km  
 Grid Ref: 413.55 kmE -87.42 kmN RMS: 0.02 secs  
 Locality: SE OF JERSEY, CHANNEL ISLES Quality: D  
 Comment: 20KM SE OF JERSEY

**March 1 2003** Time: 17:26 43.0 UTC Magnitude: 1.8 ML  
 Lat: 52.330N Lon: -3.828W Depth: 14.4 km  
 Grid Ref: 275.46 kmE 271.79 kmN RMS: 0.21 secs  
 Locality: DEVIL'S BRIDGE, DYFED Quality: C

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| SSP  | SZ | 50   | IP   |    | C | 17:26 | 51.87 |      |      |
| SSP  | SN | 50   | ES   | 1  |   | 17:26 | 57.77 |      |      |
| SSP  | SN | 50   | AMPL |    |   | 17:26 | 58.19 | 155  | 0.10 |
| SSP  | SE | 50   | AMPL |    |   | 17:26 | 58.77 | 84   | 0.14 |
| HAE  | SZ | 94   | EP   | 2  |   | 17:26 | 58.89 |      |      |
| HGH  | SZ | 104  | EP   | 1  | C | 17:27 | 00.55 |      |      |
| HTR  | SZ | 47   | EP   | 1  | D | 17:26 | 51.52 |      |      |
| MCH  | SZ | 68   | IP   |    | D | 17:26 | 54.72 |      |      |
| MCH  | SN | 68   | ES   | 2  |   | 17:27 | 02.52 |      |      |
| MCH  | SN | 68   | AMPL |    |   | 17:27 | 03.00 | 26   | 0.14 |
| MCH  | SE | 68   | AMPL |    |   | 17:27 | 03.37 | 30   | 0.29 |
| LHO  | SZ | 190  | EP   | 3  |   | 17:27 | 12.48 |      |      |
| HSA  | SZ | 68   | IP   | 1  | C | 17:26 | 54.81 |      |      |
| HPE  | SZ | 78   | IP   |    | C | 17:26 | 55.86 |      |      |
| HEX  | SZ | 141  | IP   |    | D | 17:27 | 06.62 |      |      |
| WPM  | SZ | 104  | EP   | 1  | D | 17:27 | 00.17 |      |      |
| YRE  | SZ | 83   | EP   | 2  |   | 17:26 | 57.06 |      |      |
| YRH  | SZ | 78   | EP   | 2  |   | 17:26 | 56.25 |      |      |

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| JRS  | SN | 22   | AMPL |    |   | 01:27 | 56.02 | 98   | 0.08 |
| JRS  | SE | 22   | ES   | 2  |   | 01:27 | 55.77 |      |      |
| JRS  | SE | 22   | AMPL |    |   | 01:27 | 56.12 | 77   | 0.08 |
| JVM  | SZ | 31   | EP   | 1  | D | 01:27 | 53.83 |      |      |
| JQE  | SZ | 19   | IP   |    | D | 01:27 | 52.10 |      |      |
| JQE  | SZ | 19   | ES   | 2  |   | 01:27 | 54.96 |      |      |
| JRS  | SZ | 22   | IP   |    | D | 01:27 | 52.49 |      |      |

**March 3 2003** Time: 08:57 41.0 UTC Magnitude: 2.1 ML  
 Lat: 56.459N Lon: -6.125W Depth: 7.9 km  
 Grid Ref: 145.90 kmE 737.27 kmN RMS: 0.15 secs  
 Locality: ISLE OF MULL, S'CLYDE Quality: C  
 Comment: FELT ISLE OF MULL Intensity: 3+

**March 8 2003** Time: 10:59 00.2 UTC Magnitude: 1.9 ML  
 Lat: 52.975N Lon: -2.291W Depth: 2.6 km  
 Grid Ref: 380.44 kmE 342.04 kmN RMS: 0.06 secs  
 Locality: NEWCASTLE-U-LYME, STAFFS Quality: B

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| KAR  | SZ | 54   | IP   |    | D | 08:57 | 50.12 |      |      |
| KAR  | SZ | 54   | ES   | 3  |   | 08:57 | 56.33 |      |      |
| KPL  | SZ | 102  | IP   |    | D | 08:57 | 57.69 |      |      |
| KPL  | SE | 102  | ES   | 2  |   | 08:58 | 09.67 |      |      |
| KPL  | SE | 102  | AMPL |    |   | 08:58 | 11.81 | 50   | 0.37 |
| KPL  | SN | 102  | AMPL |    |   | 08:58 | 13.24 | 33   | 0.35 |
| KAC  | SZ | 126  | IP   |    | D | 08:58 | 01.60 |      |      |
| PCO  | SZ | 136  | EP   | 2  |   | 08:58 | 02.81 |      |      |
| PCA  | SZ | 144  | EP   | 2  |   | 08:58 | 03.61 |      |      |
| RRR  | SZ | 157  | IP   |    | C | 08:58 | 06.02 |      |      |
| RRR  | SN | 157  | ES   | 2  |   | 08:58 | 24.04 |      |      |
| RRR  | SN | 157  | AMPL |    |   | 08:58 | 26.54 | 43   | 0.19 |
| RRR  | SE | 157  | AMPL |    |   | 08:58 | 28.06 | 37   | 0.32 |
| RBB  | SZ | 192  | EP   | 2  |   | 08:58 | 09.83 |      |      |
| GAL  | SN | 198  | AMPL |    |   | 08:58 | 38.05 | 10   | 0.39 |
| GAL  | SE | 198  | AMPL |    |   | 08:58 | 39.16 | 17   | 0.20 |
| GCL  | SZ | 154  | EP   | 2  |   | 08:58 | 05.40 |      |      |
| GAL  | SZ | 198  | EP   | 2  |   | 08:58 | 11.36 |      |      |

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| KBI  | SZ | 60   | EP   | 1  | C | 10:59 | 10.65 |      |      |
| HGH  | SZ | 153  | EP   | 2  |   | 10:59 | 25.65 |      |      |
| MCH  | SE | 119  | AMPL |    |   | 10:59 | 37.17 | 47   | 0.24 |
| MCH  | SN | 119  | AMPL |    |   | 10:59 | 37.11 | 60   | 0.19 |
| MCH  | SN | 119  | ES   | 2  |   | 10:59 | 33.67 |      |      |
| MCH  | SZ | 119  | EP   | 3  |   | 10:59 | 20.22 |      |      |
| HAE  | SZ | 106  | EP   | 3  |   | 10:59 | 18.13 |      |      |
| SSP  | SN | 83   | ES   | 3  |   | 10:59 | 24.32 |      |      |
| SSP  | SE | 83   | AMPL |    |   | 10:59 | 26.16 | 21   | 0.19 |
| SSP  | SN | 83   | AMPL |    |   | 10:59 | 25.31 | 40   | 0.20 |
| SSP  | SZ | 83   | EP   | 2  |   | 10:59 | 14.39 |      |      |
| LHO  | SZ | 70   | EP   | 2  |   | 10:59 | 12.27 |      |      |
| SBD  | SZ | 66   | EP   | 2  |   | 10:59 | 11.54 |      |      |
| KWE  | SZ | 31   | ES   | 3  |   | 10:59 | 09.53 |      |      |
| KWE  | SZ | 31   | IP   |    | C | 10:59 | 05.84 |      |      |

**March 5 2003** Time: 00:12 52.7 UTC Magnitude: 1.7 ML  
 Lat: 52.963N Lon: -2.276W Depth: 4.7 km  
 Grid Ref: 381.45 kmE 340.70 kmN RMS: 0.08 secs  
 Locality: NEWCASTLE-U-LYME, STAFFS Quality: C

**March 8 2003** Time: 21:48 12.1 UTC Magnitude: 1.6 ML  
 Lat: 53.843N Lon: -3.193W Depth: 10.6 km  
 Grid Ref: 321.53 kmE 439.27 kmN RMS: 0.23 secs  
 Locality: IRISH SEA Quality: C  
 Comment: 9KM W OF BLACKPOOL

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| KWE  | SZ | 30   | IP   |    | C | 00:12 | 58.17 |      |      |
| KWE  | SZ | 30   | ES   | 3  |   | 00:13 | 01.80 |      |      |
| KBI  | SZ | 60   | IP   |    | C | 00:13 | 03.01 |      |      |
| LHO  | SZ | 71   | EP   | 2  |   | 00:13 | 04.61 |      |      |
| SSP  | SZ | 83   | EP   | 2  |   | 00:13 | 06.74 |      |      |
| SSP  | SE | 83   | ES   | 2  |   | 00:13 | 16.54 |      |      |
| SSP  | SN | 83   | AMPL |    |   | 00:13 | 17.63 | 22   | 0.19 |
| SSP  | SE | 83   | AMPL |    |   | 00:13 | 18.48 | 14   | 0.19 |
| HAE  | SZ | 105  | EP   | 2  |   | 00:13 | 10.76 |      |      |
| WPM  | SZ | 114  | EP   | 2  |   | 00:13 | 12.17 |      |      |
| WPM  | SZ | 114  | ES   | 3  |   | 00:13 | 25.48 |      |      |
| MCH  | SZ | 118  | EP   | 2  |   | 00:13 | 12.39 |      |      |
| MCH  | SN | 118  | ES   | 2  |   | 00:13 | 26.12 |      |      |
| MCH  | SE | 118  | AMPL |    |   | 00:13 | 29.50 | 27   | 0.24 |
| MCH  | SN | 118  | AMPL |    |   | 00:13 | 29.82 | 40   | 0.31 |
| WFB  | SZ | 123  | EP   | 2  |   | 00:13 | 12.77 |      |      |
| YLL  | SZ | 128  | EP   | 3  |   | 00:13 | 13.76 |      |      |
| YLL  | SZ | 128  | ES   | 3  |   | 00:13 | 28.53 |      |      |
| YRE  | SZ | 144  | EP   | 2  |   | 00:13 | 16.07 |      |      |
| YRE  | SZ | 144  | ES   | 3  |   | 00:13 | 32.07 |      |      |
| YRH  | SZ | 159  | EP   | 2  |   | 00:13 | 18.21 |      |      |
| WCB  | SN | 159  | ES   | 3  |   | 00:13 | 36.38 |      |      |

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| GCD  | SZ | 123  | EP   | 3  |   | 21:48 | 32.60 |      |      |
| XDE  | SZ | 76   | EP   | 2  |   | 21:48 | 24.99 |      |      |
| BBO  | SZ | 100  | EP   | 2  |   | 21:48 | 28.88 |      |      |
| CSF  | SZ | 67   | EP   | 2  |   | 21:48 | 23.28 |      |      |
| CSF  | SZ | 67   | ES   | 3  |   | 21:48 | 31.66 |      |      |
| LMI  | SZ | 43   | IP   |    | D | 21:48 | 19.50 |      |      |
| GIM  | SN | 97   | ES   | 3  |   | 21:48 | 40.71 |      |      |
| GIM  | SN | 97   | AMPL |    |   | 21:48 | 44.18 | 17   | 0.32 |
| BBO  | SN | 100  | AMPL |    |   | 21:48 | 43.11 | 11   | 0.26 |
| LMI  | SN | 43   | AMPL |    |   | 21:48 | 28.37 | 19   | 0.12 |
| GIM  | SE | 97   | AMPL |    |   | 21:48 | 44.88 | 23   | 0.34 |
| BBO  | SE | 100  | ES   | 2  |   | 21:48 | 40.29 |      |      |
| BBO  | SE | 100  | AMPL |    |   | 21:48 | 42.71 | 17   | 0.21 |
| LMI  | SE | 43   | ES   | 2  |   | 21:48 | 25.05 |      |      |
| LMI  | SE | 43   | AMPL |    |   | 21:48 | 28.90 | 40   | 0.38 |
| KWE  | SZ | 129  | EP   | 3  |   | 21:48 | 32.96 |      |      |
| KBI  | SZ | 129  | EP   | 3  |   | 21:48 | 32.89 |      |      |
| SSP  | SN | 159  | AMPL |    |   | 21:48 | 58.83 | 7    | 0.07 |
| SSP  | SE | 159  | E    |    |   | 21:48 | 57.06 |      |      |
| SSP  | SE | 159  | ES   | 3  |   | 21:48 | 57.06 |      |      |
| SSP  | SE | 159  | AMPL |    |   | 21:48 | 57.93 | 5    | 0.16 |
| SBD  | SZ | 105  | EP   | 2  |   | 21:48 | 29.40 |      |      |
| WCB  | SZ | 104  | EP   | 2  |   | 21:48 | 28.58 |      |      |
| WCB  | SN | 104  | AMPL |    |   | 21:48 | 43.26 | 15   | 0.23 |
| WCB  | SE | 104  | ES   | 2  |   | 21:48 | 41.90 |      |      |
| WCB  | SE | 104  | AMPL |    |   | 21:48 | 42.72 | 12   | 0.21 |
| WME  | SZ | 89   | EP   | 2  |   | 21:48 | 26.30 |      |      |
| WLF  | SZ | 101  | EP   | 3  |   | 21:48 | 28.14 |      |      |
| WPM  | SZ | 80   | EP   | 2  |   | 21:48 | 25.49 |      |      |
| WIM  | SZ | 103  | EP   | 3  |   | 21:48 | 29.24 |      |      |
| HPK  | SN | 104  | AMPL |    |   | 21:48 | 43.67 | 94   | 0.40 |
| HPK  | SE | 104  | ES   | 2  |   | 21:48 | 41.84 |      |      |
| HPK  | SE | 104  | AMPL |    |   | 21:48 | 44.09 | 109  | 0.19 |
| LHO  | SZ | 94   | EP   | 2  |   | 21:48 | 27.35 |      |      |

**March 5 2003** Time: 19:55 59.5 UTC Magnitude: 1.0 ML  
 Lat: 52.161N Lon: -2.562W Depth: 19.9 km  
 Grid Ref: 361.54 kmE 251.65 kmN RMS: 0.06 secs  
 Locality: LEOMINSTER, HER & WOR Quality: C  
 Comment: 9KM S OF LEOMINSTER

**March 16 2003** Time: 00:07 21.2 UTC Magnitude: 0.9 ML  
 Lat: 56.259N Lon: -3.743W Depth: 3.1 km  
 Grid Ref: 292.01 kmE 708.71 kmN RMS: 0.05 secs  
 Locality: BLACKFORD, TAYSIDE Quality: B  
 Comment: FELT BLACKFORD Intensity: 2+

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| MCH  | SZ | 35   | IP   |    | C | 19:56 | 06.18 |      |      |
| HAE  | SZ | 14   | IP   |    | D | 19:56 | 03.58 |      |      |
| MCH  | SE | 35   | AMPL |    |   | 19:56 | 11.44 | 18   | 0.16 |
| MCH  | SN | 35   | AMPL |    |   | 19:56 | 11.60 | 17   | 0.15 |
| SSP  | SZ | 47   | EP   | 2  |   | 19:56 | 07.96 |      |      |
| SSP  | SE | 47   | ES   | 3  |   | 19:56 | 13.97 |      |      |
| SSP  | SN | 47   | AMPL |    |   | 19:56 | 14.44 | 12   | 0.23 |
| SSP  | SE | 47   | AMPL |    |   | 19:56 | 14.49 | 8    | 0.17 |
| HTR  | SZ | 49   | EP   | 2  |   | 19:56 | 08.04 |      |      |
| MCH  | SE | 35   | ES   | 2  |   | 19:56 | 11.12 |      |      |

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| EBH  | SZ | 15   | IP   |    | C | 00:07 | 24.19 |      |      |
| EBH  | SZ | 15   | ES   | 3  |   | 00:07 | 26.29 |      |      |
| ELO  | SZ | 24   | EP   |    |   | 00:07 | 25.70 |      |      |
| PCO  | SZ | 37   | EP   | 2  |   | 00:07 | 28.06 |      |      |
| EAB  | SZ | 38   | IP   |    | C | 00:07 | 28.04 |      |      |
| EAB  | SZ | 38   | ES   | 3  |   | 00:07 | 32.61 |      |      |
| EAB  | SZ | 50   | EP   | 2  |   | 00:07 | 30.09 |      |      |
| EDI  | SZ | 51   | EP   | 2  |   | 00:07 | 30.22 |      |      |
| EDI  | SN | 51   | ES   | 2  |   | 00:07 | 36.72 |      |      |
| EDI  | SN | 51   | AMPL |    |   | 00:07 | 36.99 | 9    | 0.20 |
| EDI  | SE | 51   | AMPL |    |   | 00:07 | 39.81 | 12   | 0.27 |
| PCA  | SZ | 70   | IP   |    | D | 00:07 | 33.37 |      |      |
| EDR  | SZ | 104  | EP   | 2  |   | 00:07 | 39.57 |      |      |

**March 17 2003** Time: 10:24 14.2 UTC Magnitude: 1.1 ML

## TABLE 2: PHASE DATA 2003

|  |    |      |      |    |   |       |       |      |      |  |  |  |  |   |  |
|--|----|------|------|----|---|-------|-------|------|------|--|--|--|--|---|--|
| <b>Lat: 51.653N Lon: -3.060W</b><br><b>Grid Ref: 326.64 kmE 195.44 kmN</b><br><b>Locality: CWMBRAN,GWENT</b>   |    |      |      |    |   |       |       |      |      | <b>Depth: 5.0 km</b><br><b>RMS: 0.10 secs</b><br><b>Quality: C</b>   |  | <b>GIM SN 59 ES 2 20:47 32.64</b><br><b>GIM SN 59 AMPL 20:47 35.00 9 0.19</b><br><b>GIM SE 59 AMPL 20:47 37.46 9 0.10</b><br><b>BWH SZ 70 EP 2 20:47 26.75</b><br><b>ECK SZ 79 EP 2 20:47 28.41</b><br><b>BBH SZ 81 EP 2 20:47 28.81</b><br><b>ESK SZ 91 EP 3 20:47 30.26</b><br><b>ESK SE 91 ES 3 20:47 42.74</b><br><b>ESK SN 91 AMPL 20:47 44.39 35 0.20</b><br><b>XAL SZ 100 EP 2 20:47 32.46</b><br><b>XDE SZ 12 IP D 20:47 17.27</b> |  |   |  |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |  |  |  |  |   |  |
| HGH  | SZ | 18   | ES   | 3  |   | 10:24 | 20.07 |      |      |  |  |  |  |   |  |
| MCH  | SZ | 39   | EP   | 2  |   | 10:24 | 21.21 |      |      |  |  |  |  |   |  |
| MCH  | SE | 39   | ES   | 2  |   | 10:24 | 26.21 |      |      |  |  |  |  |   |  |
| MCH  | SN | 39   | AMPL |    |   | 10:24 | 26.41 | 14   | 0.19 |  |  |  |  |   |  |
| MCH  | SE | 39   | AMPL |    |   | 10:24 | 26.51 | 37   | 0.27 |  |  |  |  |   |  |
| HTR  | SZ | 50   | EP   | 3  |   | 10:24 | 22.89 |      |      |  |  |  |  |   |  |
| HTR  | SZ | 50   | ES   | 3  |   | 10:24 | 29.09 |      |      |  |  |  |  |   |  |
| HAE  | SZ | 56   | EP   | 2  |   | 10:24 | 24.08 |      |      |  |  |  |  |   |  |
| HGH  | SZ | 18   | IP   |    | C | 10:24 | 17.71 |      |      |  |  |  |  |   |  |
| <b>March 24 2003 Time: 12:30 44.7 UTC</b><br><b>Lat: 52.440N Lon: -1.948W</b><br><b>Grid Ref: 403.52 kmE 282.53 kmN</b><br><b>Locality: BIRMINGHAM,W MIDLANDS</b>                                  |    |      |      |    |   |       |       |      |      | <b>Magnitude: 1.6 ML</b><br><b>Depth: 15.5 km</b><br><b>RMS: 0.12 secs</b><br><b>Quality: C</b>                        |  | <b>March 29 2003 Time: 02:51 36.6 UTC</b><br><b>Lat: 54.757N Lon: -2.629W</b><br><b>Grid Ref: 359.50 kmE 540.46 kmN</b><br><b>Locality: PENRITH,CUMBRIA</b><br><b>Comment: 10KM NE OF PENRITH</b>  |  | <b>Magnitude: 0.8 ML</b><br><b>Depth: 10.7 km</b><br><b>RMS: 0.09 secs</b><br><b>Quality: B</b> |  |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |  |  |  |  |   |  |
| SSW  | SZ | 53   | EP   | 2  |   | 12:30 | 54.02 |      |      |  |  |  |  |   |  |
| HAE  | SZ | 61   | IP   |    | C | 12:30 | 54.90 |      |      |  |  |  |  |   |  |
| KWE  | SZ | 65   | IP   |    | D | 12:30 | 55.69 |      |      |  |  |  |  |   |  |
| KWE  | SZ | 65   | ES   | 3  |   | 12:31 | 03.49 |      |      |  |  |  |  |   |  |
| SSP  | SZ | 79   | IP   |    | C | 12:30 | 58.16 |      |      |  |  |  |  |   |  |
| SSP  | SN | 79   | ES   | 2  |   | 12:31 | 07.65 |      |      |  |  |  |  |   |  |
| SSP  | SN | 79   | AMPL |    |   | 12:31 | 08.02 | 54   | 0.23 |  |  |  |  |   |  |
| SSP  | SE | 79   | AMPL |    |   | 12:31 | 08.10 | 19   | 0.12 |  |  |  |  |   |  |
| MCH  | SZ | 87   | IP   |    | C | 12:30 | 59.03 |      |      |  |  |  |  |   |  |
| MCH  | SN | 87   | ES   | 2  |   | 12:31 | 09.38 |      |      |  |  |  |  |   |  |
| MCH  | SN | 87   | AMPL |    |   | 12:31 | 09.86 | 22   | 0.10 |  |  |  |  |   |  |
| MCH  | SE | 87   | AMPL |    |   | 12:31 | 09.90 | 24   | 0.10 |  |  |  |  |   |  |
| HTR  | SZ | 99   | IP   |    | C | 12:31 | 00.71 |      |      |  |  |  |  |   |  |
| KUF  | SZ | 108  | IP   |    | C | 12:31 | 01.84 |      |      |  |  |  |  |   |  |
| <b>March 25 2003 Time: 04:55 59.1 UTC</b><br><b>Lat: 54.542N Lon: -3.656W</b><br><b>Grid Ref: 292.87 kmE 517.54 kmN</b><br><b>Locality: OFF WHITEHAVEN,CUMBRIA</b><br><b>Comment: 5KM OFFSHORE</b> |    |      |      |    |   |       |       |      |      | <b>Magnitude: 0.7 ML</b><br><b>Depth: 3.0 km</b><br><b>RMS: 0.19 secs</b><br><b>Quality: C</b>                         |  | <b>April 2 2003 Time: 21:07 13.1 UTC</b><br><b>Lat: 56.948N Lon: -5.652W</b><br><b>Grid Ref: 177.92 kmE 790.00 kmN</b><br><b>Locality: LOCH MORAR,HIGHLAND</b>   |  | <b>Magnitude: 0.8 ML</b><br><b>Depth: 5.2 km</b><br><b>RMS: 0.09 secs</b><br><b>Quality: C</b>  |  |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |  |  |  |  |   |  |
| CSF  | SZ | 29   | EP   | 2  |   | 04:56 | 04.43 |      |      |  |  |  |  |   |  |
| CSF  | SZ | 29   | ES   | 3  |   | 04:56 | 08.12 |      |      |  |  |  |  |   |  |
| BBO  | SZ | 34   | IP   |    | C | 04:56 | 05.21 |      |      |  |  |  |  |   |  |
| BBO  | SE | 34   | ES   | 2  |   | 04:56 | 10.28 |      |      |  |  |  |  |   |  |
| BBO  | SN | 34   | AMPL |    |   | 04:56 | 11.58 | 6    | 0.23 |  |  |  |  |   |  |
| GCD  | SZ | 40   | IP   |    | D | 04:56 | 06.14 |      |      |  |  |  |  |   |  |
| LMI  | SN | 42   | ES   | 2  |   | 04:56 | 12.32 |      |      |  |  |  |  |   |  |
| LMI  | SN | 42   | AMPL |    |   | 04:56 | 12.85 | 6    | 0.16 |  |  |  |  |   |  |
| LMI  | SE | 42   | AMPL |    |   | 04:56 | 13.19 | 8    | 0.27 |  |  |  |  |   |  |
| GIM  | SZ | 60   | EP   | 3  |   | 04:56 | 09.80 |      |      |  |  |  |  |   |  |
| GIM  | SN | 60   | ES   | 3  |   | 04:56 | 17.36 |      |      |  |  |  |  |   |  |
| GIM  | SN | 60   | AMPL |    |   | 04:56 | 19.23 | 5    | 0.20 |  |  |  |  |   |  |
| GIM  | SE | 60   | AMPL |    |   | 04:56 | 21.72 | 4    | 0.11 |  |  |  |  |   |  |
| BHH  | SZ | 68   | EP   | 2  |   | 04:56 | 10.76 |      |      |  |  |  |  |   |  |
| BHH  | SE | 68   | ES   | 2  |   | 04:56 | 19.56 |      |      |  |  |  |  |   |  |
| BHH  | SN | 68   | AMPL |    |   | 04:56 | 23.45 | 10   | 0.15 |  |  |  |  |   |  |
| BWH  | SZ | 71   | IP   |    | D | 04:56 | 11.34 |      |      |  |  |  |  |   |  |
| BTA  | SZ | 75   | EP   | 3  |   | 04:56 | 12.54 |      |      |  |  |  |  |   |  |
| BTA  | SN | 75   | AMPL |    |   | 04:56 | 25.08 | 4    | 0.29 |  |  |  |  |   |  |
| BTA  | SE | 75   | AMPL |    |   | 04:56 | 26.02 | 4    | 0.23 |  |  |  |  |   |  |
| BBH  | SZ | 81   | EP   | 2  |   | 04:56 | 13.02 |      |      |  |  |  |  |   |  |
| XDE  | SZ | 12   | IP   |    | D | 04:56 | 01.50 |      |      |  |  |  |  |   |  |
| XDE  | SZ | 12   | ES   | 3  |   | 04:56 | 03.48 |      |      |  |  |  |  |   |  |
| LMI  | SZ | 42   | EP   | 2  |   | 04:56 | 06.70 |      |      |  |  |  |  |   |  |
| <b>March 27 2003 Time: 22:54 30.3 UTC</b><br><b>Lat: 53.213N Lon: -1.070W</b><br><b>Grid Ref: 462.12 kmE 368.82 kmN</b><br><b>Locality: WORKSOP,NOTTS</b><br><b>Comment: C/F,FELT EDWINSTOWE</b>   |    |      |      |    |   |       |       |      |      | <b>Magnitude: 0.9 ML</b><br><b>Depth: 0.7 km</b><br><b>RMS: 0.21 secs</b><br><b>Quality: D</b><br><b>Intensity: 2+</b> |  | <b>April 7 2003 Time: 05:28 09.7 UTC</b><br><b>Lat: 60.391N Lon: 2.179W</b><br><b>Grid Ref: 630.21 kmE 1174.69 kmN</b><br><b>Locality: NORTHERN NORTH SEA</b>  |  | <b>Magnitude: 3.0 ML</b><br><b>Depth: 8.6 km</b><br><b>RMS: 0.43 secs</b><br><b>Quality: D</b>  |  |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |  |  |  |  |   |  |
| KBI  | SZ | 31   | EP   | 2  |   | 22:54 | 36.16 |      |      |  |  |  |  |   |  |
| KBI  | SZ | 31   | ES   | 3  |   | 22:54 | 40.86 |      |      |  |  |  |  |   |  |
| KBI  | SZ | 31   | AMPL |    |   | 22:54 | 41.95 | 18   | 0.35 |  |  |  |  |   |  |
| KSY  | SZ | 43   | EP   | 3  |   | 22:54 | 38.04 |      |      |  |  |  |  |   |  |
| KSY  | SZ | 43   | ES   | 3  |   | 22:54 | 44.34 |      |      |  |  |  |  |   |  |
| KWE  | SZ | 56   | EP   | 2  |   | 22:54 | 40.46 |      |      |  |  |  |  |   |  |
| KWE  | SZ | 56   | AMPL |    |   | 22:54 | 48.02 | 10   | 0.23 |  |  |  |  |   |  |
| LHO  | SZ | 64   | EP   | 2  |   | 22:54 | 42.15 |      |      |  |  |  |  |   |  |
| LHO  | SZ | 64   | ES   | 3  |   | 22:54 | 49.87 |      |      |  |  |  |  |   |  |
| <b>March 28 2003 Time: 20:47 14.7 UTC</b><br><b>Lat: 54.545N Lon: -3.667W</b><br><b>Grid Ref: 292.21 kmE 517.91 kmN</b><br><b>Locality: OFF WHITEHAVEN,CUMBRIA</b><br><b>Comment: 5KM OFFSHORE</b> |    |      |      |    |   |       |       |      |      | <b>Magnitude: 1.2 ML</b><br><b>Depth: 2.5 km</b><br><b>RMS: 0.08 secs</b><br><b>Quality: B</b>                         |  | <b>April 9 2003 Time: 21:58 50.5 UTC</b><br><b>Lat: 61.358N Lon: 2.703W</b><br><b>Grid Ref: 651.32 kmE 1284.15 kmN</b><br><b>Locality: NORTHERN NORTH SEA</b>  |  | <b>Magnitude: 2.4 ML</b><br><b>Depth: 9.4 km</b><br><b>RMS: 0.18 secs</b><br><b>Quality: C</b>  |  |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |  |  |  |  |   |  |
| CSF  | SZ | 30   | IP   |    | C | 20:47 | 20.21 |      |      |  |  |  |  |   |  |
| CSF  | SZ | 30   | ES   | 3  |   | 20:47 | 23.88 |      |      |  |  |  |  |   |  |
| BBO  | SZ | 35   | IP   |    | C | 20:47 | 20.96 |      |      |  |  |  |  |   |  |
| BBO  | SE | 35   | ES   | 3  |   | 20:47 | 25.95 |      |      |  |  |  |  |   |  |
| GCD  | SZ | 40   | IP   |    | D | 20:47 | 21.89 |      |      |  |  |  |  |   |  |
| LMI  | SZ | 43   | IP   |    | D | 20:47 | 22.47 |      |      |  |  |  |  |   |  |
| LMI  | SN | 43   | ES   | 2  |   | 20:47 | 28.04 |      |      |  |  |  |  |   |  |
| LMI  | SE | 43   | AMPL |    |   | 20:47 | 28.96 | 20   | 0.29 |  |  |  |  |   |  |
| LMI  | SN | 43   | AMPL |    |   | 20:47 | 33.21 | 15   | 0.24 |  |  |  |  |   |  |
| BDL  | SZ | 55   | EP   | 2  |   | 20:47 | 24.59 |      |      |  |  |  |  |   |  |
| GIM  | SZ | 59   | EP   | 2  |   | 20:47 | 25.16 |      |      |  |  |  |  |   |  |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |  |  |  |  |   |  |
| FOO  | SZ |      | EP   | 2  |   | 21:59 | 09.63 |      |      |  |  |  |  |   |  |







**TABLE 2: PHASE DATA 2003**

|  |    |      |      |    |   |       |       |      |      |
|--|----|------|------|----|---|-------|-------|------|------|
| <b>June 7 2003</b> <b>Time: 17:52 57.6 UTC</b> <b>Magnitude: 1.0 ML</b><br><b>Lat: 50.381N</b> <b>Lon: -5.289W</b> <b>Depth: 11.9 km</b><br><b>Grid Ref: 166.23 kmE 58.71 kmN</b> <b>RMS: 0.30 secs</b><br><b>Locality: OFFSHORE NEWQUAY,CORNWALL</b> <b>Quality: D</b><br><b>Comment: 18KM WEST OF NEWQUAY</b>            |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| CCA  | SZ | 22   | IP   | 1  | D | 17:53 | 01.84 |      |      |
| CCA  | SZ | 22   | ES   | 2  |   | 17:53 | 05.52 |      |      |
| CCA  | SZ | 22   | AMPL |    |   | 17:53 | 05.65 | 29   | 0.12 |
| CST  | SZ | 23   | IP   |    | D | 17:53 | 02.13 |      |      |
| CR2  | SZ | 25   | EP   | 2  |   | 17:53 | 02.42 |      |      |
| CR2  | SN | 25   | AMPL |    |   | 17:53 | 06.69 | 17   | 0.08 |
| CBW  | SZ | 29   | IP   |    | D | 17:53 | 03.14 |      |      |
| CPZ  | SZ | 33   | EP   | 2  |   | 17:53 | 01.74 |      |      |
| CPZ  | SZ | 33   | AMPL |    |   | 17:53 | 05.78 | 29   | 0.08 |
| CGH  | SZ | 38   | EP   | 1  | D | 17:53 | 04.50 |      |      |
| <b>June 7 2003</b> <b>Time: 21:14 03.8 UTC</b> <b>Magnitude: 1.1 ML</b><br><b>Lat: 51.999N</b> <b>Lon: -3.214W</b> <b>Depth: 23.0 km</b><br><b>Grid Ref: 316.64 kmE 234.10 kmN</b> <b>RMS: 0.02 secs</b><br><b>Locality: TALGARTH,POWYS</b> <b>Quality: C</b>  |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| HTR  | SZ | 10   | EP   | 3  |   | 21:14 | 07.94 |      |      |
| MCH  | SZ | 15   | IP   |    | C | 21:14 | 08.30 |      |      |
| MCH  | SN | 15   | ES   | 1  |   | 21:14 | 11.62 |      |      |
| MCH  | SE | 15   | AMPL |    |   | 21:14 | 11.72 | 43   | 0.08 |
| MCH  | SN | 15   | AMPL |    |   | 21:14 | 11.73 | 101  | 0.10 |
| HAE  | SZ | 46   | EP   | 3  |   | 21:14 | 12.17 |      |      |
| SSP  | SZ | 47   | EP   | 3  |   | 21:14 | 12.29 |      |      |
| SSP  | SE | 47   | ES   | 3  |   | 21:14 | 18.40 |      |      |
| SSP  | SN | 47   | AMPL |    |   | 21:14 | 18.84 | 6    | 0.09 |
| SSP  | SE | 47   | AMPL |    |   | 21:14 | 19.14 | 14   | 0.25 |
| <b>June 15 2003</b> <b>Time: 00:00 22.7 UTC</b> <b>Magnitude: 1.6 ML</b><br><b>Lat: 53.547N</b> <b>Lon: -2.359W</b> <b>Depth: 8.0 km</b><br><b>Grid Ref: 376.23 kmE 405.65 kmN</b> <b>RMS: 0.22 secs</b><br><b>Locality: BOLTON,GTR MANCHESTER</b> <b>Quality: C</b>   |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| KBI  | SZ | 64   | EP   | 2  |   | 00:00 | 33.23 |      |      |
| KWE  | SZ | 68   | IP   |    | D | 00:00 | 34.15 |      |      |
| LMI  | SZ | 98   | EP   | 2  |   | 00:00 | 38.99 |      |      |
| LMI  | SN | 98   | ES   | 2  |   | 00:00 | 50.09 |      |      |
| LMI  | SE | 98   | AMPL |    |   | 00:00 | 52.30 | 25   | 0.18 |
| LMI  | SN | 98   | AMPL |    |   | 00:00 | 52.73 | 27   | 0.18 |
| WPM  | SZ | 108  | EP   | 1  | C | 00:00 | 40.32 |      |      |
| CWF  | SZ | 114  | EP   | 2  |   | 00:00 | 41.11 |      |      |
| CWF  | SN | 114  | ES   | 2  |   | 00:00 | 55.08 |      |      |
| CWF  | SE | 114  | AMPL |    |   | 00:00 | 57.09 | 14   | 0.17 |
| CWF  | SN | 114  | AMPL |    |   | 00:00 | 57.25 | 15   | 0.17 |
| CSF  | SZ | 116  | EP   | 2  |   | 00:00 | 41.60 |      |      |
| YLL  | SZ | 129  | EP   | 2  |   | 00:00 | 43.17 |      |      |
| WME  | SZ | 130  | EP   | 2  |   | 00:00 | 43.29 |      |      |
| KSY  | SZ | 135  | EP   | 2  |   | 00:00 | 44.66 |      |      |
| SSP  | SZ | 135  | EP   | 2  |   | 00:00 | 44.48 |      |      |
| SSP  | SE | 135  | ES   | 2  |   | 00:01 | 00.25 |      |      |
| SSP  | SE | 135  | AMPL |    |   | 00:01 | 02.46 | 18   | 0.27 |
| SSP  | SN | 135  | AMPL |    |   | 00:01 | 02.70 | 10   | 0.12 |
| WCB  | SZ | 146  | EP   | 2  |   | 00:00 | 45.31 |      |      |
| WCB  | SN | 146  | AMPL |    |   | 00:01 | 03.60 | 5    | 0.10 |
| WCB  | SE | 146  | AMPL |    |   | 00:01 | 03.84 | 9    | 0.20 |
| MCH  | SN | 178  | ES   | 2  |   | 00:01 | 10.64 |      |      |
| MCH  | SN | 178  | AMPL |    |   | 00:01 | 13.30 | 12   | 0.16 |
| MCH  | SE | 178  | AMPL |    |   | 00:01 | 14.71 | 8    | 0.20 |
| <b>June 15 2003</b> <b>Time: 12:41 44.6 UTC</b> <b>Magnitude: 2.1 ML</b><br><b>Lat: 59.445N</b> <b>Lon: 2.228W</b> <b>Depth: 6.8 km</b><br><b>Grid Ref: 639.63 kmE 1069.65 kmN</b> <b>RMS: 0.36 secs</b><br><b>Locality: NORTHERN NORTH SEA</b> <b>Quality: D</b>  |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| YEL  | SZ | 222  | EP   | 1  | C | 12:42 | 17.43 |      |      |
| WAL  | SZ | 233  | EP   | 3  |   | 12:42 | 18.12 |      |      |
| OST  | SZ | 275  | EP   | 3  | C | 12:42 | 24.23 |      |      |
| OWE  | SZ | 299  | EP   | 2  |   | 12:42 | 27.36 |      |      |
| OHO  | SZ | 321  | EP   | 2  |   | 12:42 | 29.31 |      |      |
| OBR  | SZ | 323  | EP   | 2  |   | 12:42 | 29.43 |      |      |
| MLA  | SZ | 346  | EP   | 2  |   | 12:42 | 32.18 |      |      |
| ORE  | SZ | 359  | EP   | 3  |   | 12:42 | 33.64 |      |      |
| SAN  | SZ | 205  | EP   |    |   | 12:42 | 14.69 |      |      |
| LRW  | SZ | 206  | EP   | 3  |   | 12:42 | 14.83 |      |      |
| LRW  | SN | 206  | AMPL |    |   | 12:42 | 44.76 | 16   | 0.23 |
| LRW  | SE | 206  | ES   | 3  |   | 12:42 | 37.56 |      |      |
| LRW  | SE | 206  | AMPL |    |   | 12:42 | 44.83 | 17   | 0.30 |
| <b>June 16 2003</b> <b>Time: 02:38 35.8 UTC</b> <b>Magnitude: 2.3 ML</b><br><b>Lat: 52.707N</b> <b>Lon: -4.152W</b> <b>Depth: 11.7 km</b><br><b>Grid Ref: 254.60 kmE 314.32 kmN</b> <b>RMS: 0.23 secs</b><br><b>Locality: CARDIGAN BAY</b> <b>Quality: B</b>   |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| SSP  | SE | 78   | AMPL |    |   | 02:38 | 58.36 | 172  | 0.22 |
| SSP  | SN | 78   | AMPL |    |   | 02:38 | 58.23 | 174  | 0.18 |
| SSP  | SE | 78   | ES   | 2  |   | 02:38 | 57.80 |      |      |
| SSP  | SZ | 78   | IP   |    | D | 02:38 | 48.62 |      |      |
| WPM  | SZ | 64   | IP   |    | C | 02:38 | 46.36 |      |      |
| YRC  | SZ | 67   | IP   |    | D | 02:38 | 47.02 |      |      |
| WLF  | SZ | 67   | EP   | 2  |   | 02:38 | 46.91 |      |      |
| YLL  | SZ | 48   | IP   |    | C | 02:38 | 43.98 |      |      |
| YRE  | SZ | 36   | IP   |    | D | 02:38 | 42.47 |      |      |
| WCB  | SE | 79   | AMPL |    |   | 02:38 | 58.89 | 124  | 0.39 |
| <b>June 16 2003</b> <b>Time: 16:09 56.7 UTC</b> <b>Magnitude: 2.0 ML</b><br><b>Lat: 54.053N</b> <b>Lon: -0.520W</b> <b>Depth: 11.8 km</b><br><b>Grid Ref: 496.89 kmE 462.87 kmN</b> <b>RMS: 0.21 secs</b><br><b>Locality: DRIFFIELD,HUMBERSIDE</b> <b>Quality: C</b><br><b>Comment: 5KM NW OF DRIFFIELD</b>                |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| HPK  | SN | 73   | ES   | 3  |   | 16:10 | 17.65 |      |      |
| CWF  | SN | 155  | AMPL |    |   | 16:10 | 41.13 | 23   | 0.09 |
| CWF  | SE | 155  | AMPL |    |   | 16:10 | 40.83 | 25   | 0.09 |
| CWF  | SN | 155  | ES   | 3  |   | 16:10 | 39.29 |      |      |
| KWE  | SZ | 145  | EP   | 3  |   | 16:10 | 19.89 |      |      |
| KBI  | SZ | 111  | EP   | 3  |   | 16:10 | 13.92 |      |      |
| LCP  | SZ | 98   | EP   | 2  |   | 16:10 | 12.89 |      |      |
| LHO  | SZ | 105  | EP   | 1  | C | 16:10 | 13.46 |      |      |
| LRN  | SZ | 93   | ES   | 3  |   | 16:10 | 23.46 |      |      |
| LRN  | SZ | 93   | EP   | 2  |   | 16:10 | 11.95 |      |      |
| LMK  | SZ | 68   | ES   | 3  |   | 16:10 | 16.53 |      |      |
| LMK  | SZ | 68   | IP   |    | D | 16:10 | 07.99 |      |      |
| LWH  | SZ | 33   | IP   |    | D | 16:10 | 02.68 |      |      |
| <b>June 16 2003</b> <b>Time: 23:18 34.1 UTC</b> <b>Magnitude: 2.3 ML</b><br><b>Lat: 54.995N</b> <b>Lon: -1.569W</b> <b>Depth: 8.9 km</b><br><b>Grid Ref: 427.60 kmE 566.79 kmN</b> <b>RMS: 0.21 secs</b><br><b>Locality: NEWCASTLE,TYNE &amp; WEAR</b> <b>Quality: D</b>   |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| XAL  | SZ | 44   | EP   | 2  |   | 23:18 | 41.67 |      |      |
| EDI  | SZ | 145  | EP   | 3  |   | 23:18 | 58.11 |      |      |
| EDI  | SE | 145  | AMPL |    |   | 23:19 | 17.16 | 26   | 0.21 |
| EDI  | SN | 145  | AMPL |    |   | 23:19 | 18.58 | 30   | 0.17 |
| LMI  | SE | 142  | ES   | 3  |   | 23:19 | 13.43 |      |      |
| LMI  | SE | 142  | AMPL |    |   | 23:19 | 15.55 | 50   | 0.16 |
| BBO  | SE | 111  | AMPL |    |   | 23:19 | 08.20 | 136  | 0.22 |
| LMI  | SN | 142  | AMPL |    |   | 23:19 | 14.84 | 44   | 0.19 |
| BBO  | SN | 111  | ES   | 2  |   | 23:19 | 05.35 |      |      |
| BBO  | SN | 111  | AMPL |    |   | 23:19 | 07.76 | 98   | 0.30 |
| LMI  | SZ | 142  | EP   | 2  |   | 23:18 | 55.82 |      |      |
| CSF  | SZ | 124  | EP   | 2  |   | 23:18 | 53.36 |      |      |
| BBO  | SZ | 111  | EP   | 2  |   | 23:18 | 51.92 |      |      |
| ECK  | SZ | 102  | EP   | 2  |   | 23:18 | 50.68 |      |      |
| ESK  | SZ | 110  | EP   | 2  |   | 23:18 | 51.99 |      |      |
| ESK  | SN | 110  | ES   | 2  |   | 23:19 | 05.54 |      |      |
| ESK  | SN | 110  | AMPL |    |   | 23:19 | 06.63 | 78   | 0.19 |
| ESK  | SE | 110  | AMPL |    |   | 23:19 | 06.93 | 82   | 0.21 |
| LCP  | SZ | 29   | IP   |    | D | 23:18 | 39.41 |      |      |
| LCP  | SZ | 29   | ES   | 3  |   | 23:18 | 43.07 |      |      |
| LRN  | SZ | 66   | IP   |    | D | 23:18 | 45.30 |      |      |
| LRN  | SZ | 66   | ES   | 3  |   | 23:18 | 53.57 |      |      |
| LWH  | SZ | 94   | EP   | 2  |   | 23:18 | 49.80 |      |      |
| <b>June 18 2003</b> <b>Time: 14:21 43.5 UTC</b> <b>Magnitude: 2.5 ML</b><br><b>Lat: 62.054N</b> <b>Lon: 1.917W</b> <b>Depth: 9.0 km</b><br><b>Grid Ref: 604.70 kmE 1358.83 kmN</b> <b>RMS: 0.07 secs</b><br><b>Locality: NORTHERN NORTH SEA</b> <b>Quality: D</b>  |    |      |      |    |   |       |       |      |      |
| STAT   | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
| LRW  | SZ | 271  | IP   | 1  | C | 14:22 | 21.93 |      |      |
| WAL  | SZ | 276  | ES   | 3  |   | 14:22 | 50.89 |      |      |
| WAL  | SZ | 276  | EP   | 2  |   | 14:22 | 22.51 |      |      |
| LRW  | SE | 271  | AMPL |    |   | 14:23 | 03.83 | 23   | 0.34 |
| SAN  | SZ | 284  | IP   | 1  | C | 14:22 | 23.38 |      |      |
| YEL  | SZ | 232  | ES   | 3  |   | 14:22 | 41.49 |      |      |
| YEL  | SZ | 232  | EP   | 1  | D | 14:22 | 16.95 |      |      |
| LRW  | SE | 271  | ES   | 3  |   | 14:22 | 49.72 |      |      |
| LRW  | SN | 271  | AMPL |    |   | 14:23 | 03.23 | 28   | 0.26 |
| <b>June 20 2003</b> <b>Time: 06:44 19.6 UTC</b> <b>Magnitude: 3.2 ML</b><br><b>Lat: 56.174N</b> <b>Lon: -4.432W</b> <b>Depth: 5.2 km</b><br><b>Grid Ref: 249.03 kmE 700.56 kmN</b> <b>RMS: 0.22 secs</b><br><b>Locality: ABERFOYLE,CENTRAL</b> <b>Quality: B</b><br><b>Comment: FELT ABERFOYLE...</b> <b>Intensity: 3+</b> |    |      |      |    |   |       |       |      |      |





**TABLE 2: PHASE DATA 2003**

| <p> <b>July 12 2003</b>      Time: 08:35 56.7 UTC      Magnitude: 0.7 ML<br/>                     Lat: 56.248N      Lon: -3.743W      Depth: 3.9 km<br/>                     Grid Ref: 291.98 kmE 707.49 kmN      RMS: 0.09 secs<br/>                     Locality: BLACKFORD,TAYSIDE      Quality: B                 </p> <table border="1"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> </tr> </thead> <tbody> <tr><td>EBH</td><td>SZ</td><td>15</td><td>IP</td><td></td><td></td><td>08:35</td><td>59.62</td><td></td><td></td></tr> <tr><td>EBH</td><td>SZ</td><td>15</td><td>ES</td><td>3</td><td></td><td>08:36</td><td>01.61</td><td></td><td></td></tr> <tr><td>ELO</td><td>SZ</td><td>25</td><td>IP</td><td></td><td>D</td><td>08:36</td><td>01.49</td><td></td><td></td></tr> <tr><td>ELO</td><td>SZ</td><td>25</td><td>ES</td><td>3</td><td></td><td>08:36</td><td>04.42</td><td></td><td></td></tr> <tr><td>PCO</td><td>SZ</td><td>36</td><td>IP</td><td></td><td>C</td><td>08:36</td><td>03.38</td><td></td><td></td></tr> <tr><td>EAB</td><td>SZ</td><td>37</td><td>IP</td><td></td><td>C</td><td>08:36</td><td>03.54</td><td></td><td></td></tr> <tr><td>EDI</td><td>SZ</td><td>50</td><td>EP</td><td>3</td><td></td><td>08:36</td><td>06.13</td><td></td><td></td></tr> <tr><td>EDI</td><td>SE</td><td>50</td><td>AMPL</td><td></td><td></td><td>08:36</td><td>13.01</td><td>5</td><td>0.26</td></tr> <tr><td>EDI</td><td>SN</td><td>50</td><td>AMPL</td><td></td><td></td><td>08:36</td><td>14.03</td><td>9</td><td>0.47</td></tr> <tr><td>EDU</td><td>SZ</td><td>56</td><td>EP</td><td>3</td><td></td><td>08:36</td><td>06.72</td><td></td><td></td></tr> <tr><td>PCA</td><td>SZ</td><td>69</td><td>EP</td><td>2</td><td></td><td>08:36</td><td>08.60</td><td></td><td></td></tr> </tbody> </table>  | STAT | CO   | DIST | PHAS | WT | P     | HrMn  | SECS | AMPL | PERI | EBH | SZ | 15 | IP |   |   | 08:35 | 59.62 |  |  | EBH | SZ | 15 | ES   | 3 |  | 08:36 | 01.61 |   |      | ELO | SZ | 25 | IP   |   | D | 08:36 | 01.49 |   |      | ELO | SZ | 25 | ES   | 3 |   | 08:36 | 04.42 |    |      | PCO | SZ | 36 | IP   |   | C | 08:36 | 03.38 |    |      | EAB | SZ | 37 | IP |   | C | 08:36 | 03.54 |  |  | EDI | SZ | 50 | EP   | 3 |  | 08:36 | 06.13 |    |      | EDI | SE | 50 | AMPL |   |  | 08:36 | 13.01 | 5  | 0.26 | EDI   | SN   | 50 | AMPL |      |    | 08:36 | 14.03 | 9    | 0.47 | EDU  | SZ  | 56 | EP  | 3  |   | 08:36 | 06.72 |       |  | PCA   | SZ   | 69 | EP   | 2    |    | 08:36 | 08.60 |       |      | <p> <b>July 12 2003</b>      Time: 14:09 49.7 UTC      Magnitude: 0.8 ML<br/>                     Lat: 52.119N      Lon: -3.567W      Depth: 11.2 km<br/>                     Grid Ref: 292.71 kmE 247.97 kmN      RMS: 0.09 secs<br/>                     Locality: LLANGAMMARCH WELLS,POWYS      Quality: B                 </p> <table border="1"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> </tr> </thead> <tbody> <tr><td>HTR</td><td>SZ</td><td>21</td><td>EP</td><td>1</td><td>D</td><td>14:09</td><td>54.06</td><td></td><td></td></tr> <tr><td>HTR</td><td>SZ</td><td>21</td><td>ES</td><td>3</td><td></td><td>14:09</td><td>56.36</td><td></td><td></td></tr> <tr><td>MCH</td><td>SZ</td><td>41</td><td>IP</td><td></td><td>D</td><td>14:09</td><td>56.99</td><td></td><td></td></tr> <tr><td>MCH</td><td>SN</td><td>41</td><td>ES</td><td>2</td><td></td><td>14:10</td><td>02.28</td><td></td><td></td></tr> <tr><td>MCH</td><td>SE</td><td>41</td><td>AMPL</td><td></td><td></td><td>14:10</td><td>02.44</td><td>13</td><td>0.11</td></tr> <tr><td>MCH</td><td>SN</td><td>41</td><td>AMPL</td><td></td><td></td><td>14:10</td><td>02.50</td><td>14</td><td>0.14</td></tr> <tr><td>SSP</td><td>SZ</td><td>46</td><td>IP</td><td></td><td>C</td><td>14:09</td><td>57.57</td><td></td><td></td></tr> <tr><td>SSP</td><td>SN</td><td>46</td><td>ES</td><td>2</td><td></td><td>14:10</td><td>03.48</td><td></td><td></td></tr> <tr><td>SSP</td><td>SN</td><td>46</td><td>AMPL</td><td></td><td></td><td>14:10</td><td>04.07</td><td>8</td><td>0.09</td></tr> <tr><td>SSP</td><td>SE</td><td>46</td><td>AMPL</td><td></td><td></td><td>14:10</td><td>04.53</td><td>6</td><td>0.14</td></tr> <tr><td>HSA</td><td>SZ</td><td>58</td><td>EP</td><td>2</td><td></td><td>14:09</td><td>59.56</td><td></td><td></td></tr> <tr><td>HAE</td><td>SZ</td><td>71</td><td>EP</td><td>2</td><td></td><td>14:10</td><td>01.58</td><td></td><td></td></tr> <tr><td>HGH</td><td>SZ</td><td>75</td><td>EP</td><td>2</td><td></td><td>14:10</td><td>02.46</td><td></td><td></td></tr> <tr><td>HPE</td><td>SZ</td><td>85</td><td>EP</td><td>2</td><td></td><td>14:10</td><td>04.09</td><td></td><td></td></tr> </tbody> </table> | STAT | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI | HTR | SZ | 21  | EP | 1 | D     | 14:09 | 54.06 |  |     | HTR | SZ | 21   | ES | 3 |       | 14:09 | 56.36 |      |     | MCH | SZ | 41   | IP   |   | D     | 14:09 | 56.99 |      |  | MCH  | SN | 41   | ES   | 2  |       | 14:10 | 02.28 |      |      | MCH | SE | 41  | AMPL |   |       | 14:10 | 02.44 | 13 | 0.11 | MCH | SN | 41   | AMPL |   |       | 14:10 | 02.50 | 14   | 0.14 | SSP | SZ | 46   | IP   |   | C     | 14:09 | 57.57 |      |      | SSP | SN  | 46  | ES   | 2 |       | 14:10 | 03.48 |   |   | SSP  | SN | 46   | AMPL |    |   | 14:10 | 04.07 | 8    | 0.09 | SSP | SE | 46  | AMPL |   |  | 14:10 | 04.53 | 6  | 0.14 | HSA | SZ | 58  | EP | 2 |  | 14:09 | 59.56 |  |  | HAE | SZ | 71  | EP   | 2 |   | 14:10 | 01.58 |   |      | HGH | SZ | 75  | EP   | 2 |  | 14:10 | 02.46 |   |      | HPE | SZ | 85  | EP   | 2 |  | 14:10 | 04.09 |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
|--|------|------|------|------|----|-------|-------|------|------|------|-----|----|----|----|---|---|-------|-------|--|--|-----|----|----|------|---|--|-------|-------|---|------|-----|----|----|------|---|---|-------|-------|---|------|-----|----|----|------|---|---|-------|-------|----|------|-----|----|----|------|---|---|-------|-------|----|------|-----|----|----|----|---|---|-------|-------|--|--|-----|----|----|------|---|--|-------|-------|----|------|-----|----|----|------|---|--|-------|-------|----|------|---|------|----|------|------|----|-------|-------|------|------|------|-----|----|-----|----|---|-------|-------|-------|--|---|------|----|------|------|----|-------|-------|-------|------|---|------|----|------|------|----|-------|-------|-------|------|------|-----|----|-----|----|---|-------|-------|-------|--|-----|-----|----|------|----|---|-------|-------|-------|------|-----|-----|----|------|------|---|-------|-------|-------|------|--|------|----|------|------|----|-------|-------|-------|------|------|-----|----|-----|------|---|-------|-------|-------|----|------|-----|----|------|------|---|-------|-------|-------|------|------|-----|----|------|------|---|-------|-------|-------|------|------|-----|-----|-----|------|---|-------|-------|-------|---|---|------|----|------|------|----|---|-------|-------|------|------|-----|----|-----|------|---|--|-------|-------|----|------|-----|----|-----|----|---|--|-------|-------|--|--|-----|----|-----|------|---|---|-------|-------|---|------|-----|----|-----|------|---|--|-------|-------|---|------|-----|----|-----|------|---|--|-------|-------|---|------|-----|----|-----|------|---|--|-------|-------|---|------|-----|----|-----|----|---|---|-------|-------|--|--|-----|----|-----|----|---|--|-------|-------|--|--|
| STAT   | CO   | DIST | PHAS | WT   | P  | HrMn  | SECS  | AMPL | PERI |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| EBH  | SZ   | 15   | IP   |      |    | 08:35 | 59.62 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| EBH  | SZ   | 15   | ES   | 3    |    | 08:36 | 01.61 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| ELO  | SZ   | 25   | IP   |      | D  | 08:36 | 01.49 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| ELO  | SZ   | 25   | ES   | 3    |    | 08:36 | 04.42 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| PCO  | SZ   | 36   | IP   |      | C  | 08:36 | 03.38 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| EAB  | SZ   | 37   | IP   |      | C  | 08:36 | 03.54 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| EDI  | SZ   | 50   | EP   | 3    |    | 08:36 | 06.13 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| EDI  | SE   | 50   | AMPL |      |    | 08:36 | 13.01 | 5    | 0.26 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| EDI  | SN   | 50   | AMPL |      |    | 08:36 | 14.03 | 9    | 0.47 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| EDU  | SZ   | 56   | EP   | 3    |    | 08:36 | 06.72 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| PCA  | SZ   | 69   | EP   | 2    |    | 08:36 | 08.60 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| STAT   | CO   | DIST | PHAS | WT   | P  | HrMn  | SECS  | AMPL | PERI |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HTR  | SZ   | 21   | EP   | 1    | D  | 14:09 | 54.06 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HTR  | SZ   | 21   | ES   | 3    |    | 14:09 | 56.36 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MCH  | SZ   | 41   | IP   |      | D  | 14:09 | 56.99 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MCH  | SN   | 41   | ES   | 2    |    | 14:10 | 02.28 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MCH  | SE   | 41   | AMPL |      |    | 14:10 | 02.44 | 13   | 0.11 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MCH  | SN   | 41   | AMPL |      |    | 14:10 | 02.50 | 14   | 0.14 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| SSP  | SZ   | 46   | IP   |      | C  | 14:09 | 57.57 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| SSP  | SN   | 46   | ES   | 2    |    | 14:10 | 03.48 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| SSP  | SN   | 46   | AMPL |      |    | 14:10 | 04.07 | 8    | 0.09 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| SSP  | SE   | 46   | AMPL |      |    | 14:10 | 04.53 | 6    | 0.14 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HSA  | SZ   | 58   | EP   | 2    |    | 14:09 | 59.56 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HAE  | SZ   | 71   | EP   | 2    |    | 14:10 | 01.58 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HGH  | SZ   | 75   | EP   | 2    |    | 14:10 | 02.46 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HPE  | SZ   | 85   | EP   | 2    |    | 14:10 | 04.09 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| <p> <b>June 30 2003</b>      Time: 15:08 42.2 UTC      Magnitude: 0.3 ML<br/>                     Lat: 60.388N      Lon: -0.622W      Depth: 9.4 km<br/>                     Grid Ref: 475.97 kmE 1167.81 kmN      RMS: 0.10 secs<br/>                     Locality: OFF SHETLAND ISLES      Quality: D                 </p> <table border="1"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> </tr> </thead> <tbody> <tr><td>LRW</td><td>SN</td><td>42</td><td>ES</td><td>3</td><td></td><td>15:08</td><td>54.59</td><td></td><td></td></tr> <tr><td>LRW</td><td>SN</td><td>42</td><td>AMPL</td><td></td><td></td><td>15:08</td><td>56.14</td><td>2</td><td>0.27</td></tr> <tr><td>LRW</td><td>SE</td><td>42</td><td>AMPL</td><td></td><td></td><td>15:08</td><td>56.96</td><td>3</td><td>0.17</td></tr> <tr><td>YEL</td><td>SZ</td><td>31</td><td>IP</td><td></td><td>D</td><td>15:08</td><td>47.86</td><td></td><td></td></tr> <tr><td>YEL</td><td>SZ</td><td>31</td><td>ES</td><td>3</td><td></td><td>15:08</td><td>52.10</td><td></td><td></td></tr> <tr><td>SAN</td><td>SZ</td><td>54</td><td>EP</td><td>3</td><td></td><td>15:08</td><td>52.09</td><td></td><td></td></tr> <tr><td>WAL</td><td>SZ</td><td>57</td><td>EP</td><td>2</td><td></td><td>15:08</td><td>51.97</td><td></td><td></td></tr> <tr><td>LRW</td><td>SZ</td><td>42</td><td>EP</td><td>3</td><td></td><td>15:08</td><td>49.62</td><td></td><td></td></tr> </tbody> </table>   | STAT | CO   | DIST | PHAS | WT | P     | HrMn  | SECS | AMPL | PERI | LRW | SN | 42 | ES | 3 |   | 15:08 | 54.59 |  |  | LRW | SN | 42 | AMPL |   |  | 15:08 | 56.14 | 2 | 0.27 | LRW | SE | 42 | AMPL |   |   | 15:08 | 56.96 | 3 | 0.17 | YEL | SZ | 31 | IP   |   | D | 15:08 | 47.86 |    |      | YEL | SZ | 31 | ES   | 3 |   | 15:08 | 52.10 |    |      | SAN | SZ | 54 | EP | 3 |   | 15:08 | 52.09 |  |  | WAL | SZ | 57 | EP   | 2 |  | 15:08 | 51.97 |    |      | LRW | SZ | 42 | EP   | 3 |  | 15:08 | 49.62 |    |      | <p> <b>July 12 2003</b>      Time: 20:11 41.2 UTC      Magnitude: 2.1 ML<br/>                     Lat: 53.828N      Lon: 1.241W      Depth: 3.3 km<br/>                     Grid Ref: 613.29 kmE 441.72 kmN      RMS: 0.37 secs<br/>                     Locality: SOUTHERN NORTH SEA      Quality: D                 </p> <table border="1"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> </tr> </thead> <tbody> <tr><td>ABA</td><td>SZ</td><td>105</td><td>EP</td><td>2</td><td></td><td>20:11</td><td>58.31</td><td></td><td></td></tr> <tr><td>AWI</td><td>SZ</td><td>112</td><td>EP</td><td>2</td><td></td><td>20:11</td><td>59.88</td><td></td><td></td></tr> <tr><td>LMK</td><td>SZ</td><td>112</td><td>EP</td><td>2</td><td></td><td>20:11</td><td>59.68</td><td></td><td></td></tr> <tr><td>LMK</td><td>SZ</td><td>112</td><td>ES</td><td>3</td><td></td><td>20:12</td><td>13.36</td><td></td><td></td></tr> <tr><td>AEU</td><td>SN</td><td>134</td><td>ES</td><td>3</td><td></td><td>20:12</td><td>19.17</td><td></td><td></td></tr> <tr><td>AEU</td><td>SE</td><td>134</td><td>AMPL</td><td></td><td></td><td>20:12</td><td>19.47</td><td>40</td><td>0.10</td></tr> <tr><td>AEU</td><td>SN</td><td>134</td><td>AMPL</td><td></td><td></td><td>20:12</td><td>20.48</td><td>31</td><td>0.19</td></tr> <tr><td>KSY</td><td>SZ</td><td>155</td><td>EP</td><td>2</td><td></td><td>20:12</td><td>05.47</td><td></td><td></td></tr> <tr><td>KBI</td><td>SZ</td><td>195</td><td>EP</td><td>3</td><td>D</td><td>20:12</td><td>12.72</td><td></td><td></td></tr> <tr><td>CWF</td><td>SZ</td><td>209</td><td>EP</td><td>2</td><td></td><td>20:12</td><td>13.29</td><td></td><td></td></tr> <tr><td>CWF</td><td>SN</td><td>209</td><td>ES</td><td>2</td><td></td><td>20:12</td><td>36.16</td><td></td><td></td></tr> <tr><td>CWF</td><td>SN</td><td>209</td><td>AMPL</td><td></td><td></td><td>20:12</td><td>38.10</td><td>20</td><td>0.19</td></tr> <tr><td>CWF</td><td>SE</td><td>209</td><td>AMPL</td><td></td><td></td><td>20:12</td><td>38.98</td><td>15</td><td>0.33</td></tr> <tr><td>KWE</td><td>SZ</td><td>224</td><td>EP</td><td>3</td><td></td><td>20:12</td><td>16.75</td><td></td><td></td></tr> </tbody> </table> | STAT | CO | DIST | PHAS | WT | P     | HrMn  | SECS | AMPL | PERI | ABA | SZ | 105 | EP | 2 |       | 20:11 | 58.31 |  |   | AWI  | SZ | 112  | EP   | 2  |       | 20:11 | 59.88 |      |   | LMK  | SZ | 112  | EP   | 2  |       | 20:11 | 59.68 |      |      | LMK | SZ | 112 | ES | 3 |       | 20:12 | 13.36 |  |     | AEU | SN | 134  | ES | 3 |       | 20:12 | 19.17 |      |     | AEU | SE | 134  | AMPL |   |       | 20:12 | 19.47 | 40   | 0.10   | AEU  | SN | 134  | AMPL |    |       | 20:12 | 20.48 | 31   | 0.19 | KSY | SZ | 155 | EP   | 2 |       | 20:12 | 05.47 |    |      | KBI | SZ | 195  | EP   | 3 | D     | 20:12 | 12.72 |      |      | CWF | SZ | 209  | EP   | 2 |       | 20:12 | 13.29 |      |      | CWF | SN  | 209 | ES   | 2 |       | 20:12 | 36.16 |   |   | CWF  | SN | 209  | AMPL |    |   | 20:12 | 38.10 | 20   | 0.19 | CWF | SE | 209 | AMPL |   |  | 20:12 | 38.98 | 15 | 0.33 | KWE | SZ | 224 | EP | 3 |  | 20:12 | 16.75 |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| STAT   | CO   | DIST | PHAS | WT   | P  | HrMn  | SECS  | AMPL | PERI |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| LRW  | SN   | 42   | ES   | 3    |    | 15:08 | 54.59 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| LRW  | SN   | 42   | AMPL |      |    | 15:08 | 56.14 | 2    | 0.27 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| LRW  | SE   | 42   | AMPL |      |    | 15:08 | 56.96 | 3    | 0.17 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| YEL  | SZ   | 31   | IP   |      | D  | 15:08 | 47.86 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| YEL  | SZ   | 31   | ES   | 3    |    | 15:08 | 52.10 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| SAN  | SZ   | 54   | EP   | 3    |    | 15:08 | 52.09 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| WAL  | SZ   | 57   | EP   | 2    |    | 15:08 | 51.97 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| LRW  | SZ   | 42   | EP   | 3    |    | 15:08 | 49.62 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| STAT   | CO   | DIST | PHAS | WT   | P  | HrMn  | SECS  | AMPL | PERI |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| ABA  | SZ   | 105  | EP   | 2    |    | 20:11 | 58.31 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| AWI  | SZ   | 112  | EP   | 2    |    | 20:11 | 59.88 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| LMK  | SZ   | 112  | EP   | 2    |    | 20:11 | 59.68 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| LMK  | SZ   | 112  | ES   | 3    |    | 20:12 | 13.36 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| AEU  | SN   | 134  | ES   | 3    |    | 20:12 | 19.17 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| AEU  | SE   | 134  | AMPL |      |    | 20:12 | 19.47 | 40   | 0.10 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| AEU  | SN   | 134  | AMPL |      |    | 20:12 | 20.48 | 31   | 0.19 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KSY  | SZ   | 155  | EP   | 2    |    | 20:12 | 05.47 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KBI  | SZ   | 195  | EP   | 3    | D  | 20:12 | 12.72 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CWF  | SZ   | 209  | EP   | 2    |    | 20:12 | 13.29 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CWF  | SN   | 209  | ES   | 2    |    | 20:12 | 36.16 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CWF  | SN   | 209  | AMPL |      |    | 20:12 | 38.10 | 20   | 0.19 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CWF  | SE   | 209  | AMPL |      |    | 20:12 | 38.98 | 15   | 0.33 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KWE  | SZ   | 224  | EP   | 3    |    | 20:12 | 16.75 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| <p> <b>July 3 2003</b>      Time: 07:25 55.9 UTC      Magnitude: 1.3 ML<br/>                     Lat: 57.070N      Lon: -5.707W      Depth: 5.7 km<br/>                     Grid Ref: 175.32 kmE 803.75 kmN      RMS: 0.02 secs<br/>                     Locality: KNOYDART,HIGHLAND      Quality: C                 </p> <table border="1"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> </tr> </thead> <tbody> <tr><td>KSB</td><td>SZ</td><td>23</td><td>IP</td><td></td><td>D</td><td>07:26</td><td>00.36</td><td></td><td></td></tr> <tr><td>KSK</td><td>SZ</td><td>74</td><td>EP</td><td>2</td><td></td><td>07:26</td><td>08.91</td><td></td><td></td></tr> <tr><td>RRR</td><td>SE</td><td>88</td><td>ES</td><td>2</td><td></td><td>07:26</td><td>20.80</td><td></td><td></td></tr> <tr><td>RRR</td><td>SN</td><td>88</td><td>AMPL</td><td></td><td></td><td>07:26</td><td>24.15</td><td>15</td><td>0.22</td></tr> <tr><td>RRR</td><td>SE</td><td>88</td><td>AMPL</td><td></td><td></td><td>07:26</td><td>24.30</td><td>17</td><td>0.30</td></tr> <tr><td>KPL</td><td>SZ</td><td>30</td><td>EP</td><td>2</td><td></td><td>07:26</td><td>01.66</td><td></td><td></td></tr> <tr><td>KPL</td><td>SN</td><td>30</td><td>AMPL</td><td></td><td></td><td>07:26</td><td>05.94</td><td>27</td><td>0.15</td></tr> <tr><td>KPL</td><td>SE</td><td>30</td><td>ES</td><td>2</td><td></td><td>07:26</td><td>05.50</td><td></td><td></td></tr> <tr><td>KPL</td><td>SE</td><td>30</td><td>AMPL</td><td></td><td></td><td>07:26</td><td>05.94</td><td>59</td><td>0.31</td></tr> <tr><td>KAR</td><td>SZ</td><td>18</td><td>IP</td><td></td><td>D</td><td>07:25</td><td>59.54</td><td></td><td></td></tr> </tbody> </table>  | STAT | CO   | DIST | PHAS | WT | P     | HrMn  | SECS | AMPL | PERI | KSB | SZ | 23 | IP |   | D | 07:26 | 00.36 |  |  | KSK | SZ | 74 | EP   | 2 |  | 07:26 | 08.91 |   |      | RRR | SE | 88 | ES   | 2 |   | 07:26 | 20.80 |   |      | RRR | SN | 88 | AMPL |   |   | 07:26 | 24.15 | 15 | 0.22 | RRR | SE | 88 | AMPL |   |   | 07:26 | 24.30 | 17 | 0.30 | KPL | SZ | 30 | EP | 2 |   | 07:26 | 01.66 |  |  | KPL | SN | 30 | AMPL |   |  | 07:26 | 05.94 | 27 | 0.15 | KPL | SE | 30 | ES   | 2 |  | 07:26 | 05.50 |    |      | KPL   | SE   | 30 | AMPL |      |    | 07:26 | 05.94 | 59   | 0.31 | KAR  | SZ  | 18 | IP  |    | D | 07:25 | 59.54 |       |  | <p> <b>July 9 2003</b>      Time: 06:22 37.6 UTC      Magnitude: 1.2 ML<br/>                     Lat: 56.148N      Lon: -5.201W      Depth: 14.5 km<br/>                     Grid Ref: 201.15 kmE 699.62 kmN      RMS: 0.04 secs<br/>                     Locality: FURNACE,STRATHCLYDE      Quality: B                 </p> <table border="1"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> </tr> </thead> <tbody> <tr><td>PCA</td><td>SZ</td><td>77</td><td>EP</td><td>2</td><td></td><td>06:22</td><td>50.62</td><td></td><td></td></tr> <tr><td>PCA</td><td>SZ</td><td>77</td><td>ES</td><td>3</td><td></td><td>06:22</td><td>59.87</td><td></td><td></td></tr> <tr><td>PMS</td><td>SZ</td><td>44</td><td>EP</td><td>1</td><td>C</td><td>06:22</td><td>45.38</td><td></td><td></td></tr> <tr><td>PMS</td><td>SZ</td><td>44</td><td>ES</td><td>3</td><td></td><td>06:22</td><td>51.00</td><td></td><td></td></tr> <tr><td>PCO</td><td>SZ</td><td>71</td><td>IP</td><td></td><td>C</td><td>06:22</td><td>49.48</td><td></td><td></td></tr> <tr><td>KPL</td><td>SN</td><td>136</td><td>ES</td><td>2</td><td></td><td>06:23</td><td>15.27</td><td></td><td></td></tr> <tr><td>KPL</td><td>SN</td><td>136</td><td>AMPL</td><td></td><td></td><td>06:23</td><td>16.73</td><td>6</td><td>0.20</td></tr> <tr><td>KPL</td><td>SE</td><td>136</td><td>AMPL</td><td></td><td></td><td>06:23</td><td>16.81</td><td>8</td><td>0.23</td></tr> <tr><td>KAR</td><td>SZ</td><td>94</td><td>EP</td><td>3</td><td></td><td>06:22</td><td>52.97</td><td></td><td></td></tr> <tr><td>KSB</td><td>SZ</td><td>119</td><td>EP</td><td>3</td><td></td><td>06:22</td><td>56.40</td><td></td><td></td></tr> <tr><td>KPL</td><td>SZ</td><td>136</td><td>EP</td><td>2</td><td></td><td>06:22</td><td>59.22</td><td></td><td></td></tr> <tr><td>GAL</td><td>SN</td><td>146</td><td>ES</td><td>2</td><td></td><td>06:23</td><td>18.86</td><td></td><td></td></tr> <tr><td>GAL</td><td>SN</td><td>146</td><td>AMPL</td><td></td><td></td><td>06:23</td><td>20.00</td><td>2</td><td>0.12</td></tr> <tr><td>GAL</td><td>SE</td><td>146</td><td>AMPL</td><td></td><td></td><td>06:23</td><td>19.48</td><td>3</td><td>0.13</td></tr> <tr><td>GCL</td><td>SZ</td><td>133</td><td>EP</td><td>2</td><td></td><td>06:22</td><td>59.32</td><td></td><td></td></tr> <tr><td>GMK</td><td>SZ</td><td>93</td><td>EP</td><td>2</td><td></td><td>06:22</td><td>52.75</td><td></td><td></td></tr> <tr><td>GAL</td><td>SZ</td><td>146</td><td>EP</td><td>3</td><td></td><td>06:23</td><td>01.87</td><td></td><td></td></tr> </tbody> </table> | STAT | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI  | PCA  | SZ | 77   | EP   | 2  |       | 06:22 | 50.62 |      |      | PCA | SZ | 77  | ES | 3 |       | 06:22 | 59.87 |  |     | PMS | SZ | 44   | EP | 1 | C     | 06:22 | 45.38 |      |     | PMS | SZ | 44   | ES   | 3 |       | 06:22 | 51.00 |      |  | PCO  | SZ | 71   | IP   |    | C     | 06:22 | 49.48 |      |      | KPL | SN | 136 | ES   | 2 |       | 06:23 | 15.27 |    |      | KPL | SN | 136  | AMPL |   |       | 06:23 | 16.73 | 6    | 0.20 | KPL | SE | 136  | AMPL |   |       | 06:23 | 16.81 | 8    | 0.23 | KAR | SZ  | 94  | EP   | 3 |       | 06:22 | 52.97 |   |   | KSB  | SZ | 119  | EP   | 3  |   | 06:22 | 56.40 |      |      | KPL | SZ | 136 | EP   | 2 |  | 06:22 | 59.22 |    |      | GAL | SN | 146 | ES | 2 |  | 06:23 | 18.86 |  |  | GAL | SN | 146 | AMPL |   |   | 06:23 | 20.00 | 2 | 0.12 | GAL | SE | 146 | AMPL |   |  | 06:23 | 19.48 | 3 | 0.13 | GCL | SZ | 133 | EP   | 2 |  | 06:22 | 59.32 |   |      | GMK | SZ | 93  | EP   | 2 |  | 06:22 | 52.75 |   |      | GAL | SZ | 146 | EP | 3 |   | 06:23 | 01.87 |  |  |     |    |     |    |   |  |       |       |  |  |
| STAT   | CO   | DIST | PHAS | WT   | P  | HrMn  | SECS  | AMPL | PERI |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KSB  | SZ   | 23   | IP   |      | D  | 07:26 | 00.36 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KSK  | SZ   | 74   | EP   | 2    |    | 07:26 | 08.91 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| RRR  | SE   | 88   | ES   | 2    |    | 07:26 | 20.80 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| RRR  | SN   | 88   | AMPL |      |    | 07:26 | 24.15 | 15   | 0.22 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| RRR  | SE   | 88   | AMPL |      |    | 07:26 | 24.30 | 17   | 0.30 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SZ   | 30   | EP   | 2    |    | 07:26 | 01.66 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SN   | 30   | AMPL |      |    | 07:26 | 05.94 | 27   | 0.15 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SE   | 30   | ES   | 2    |    | 07:26 | 05.50 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SE   | 30   | AMPL |      |    | 07:26 | 05.94 | 59   | 0.31 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KAR  | SZ   | 18   | IP   |      | D  | 07:25 | 59.54 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| STAT   | CO   | DIST | PHAS | WT   | P  | HrMn  | SECS  | AMPL | PERI |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| PCA  | SZ   | 77   | EP   | 2    |    | 06:22 | 50.62 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| PCA  | SZ   | 77   | ES   | 3    |    | 06:22 | 59.87 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| PMS  | SZ   | 44   | EP   | 1    | C  | 06:22 | 45.38 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| PMS  | SZ   | 44   | ES   | 3    |    | 06:22 | 51.00 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| PCO  | SZ   | 71   | IP   |      | C  | 06:22 | 49.48 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SN   | 136  | ES   | 2    |    | 06:23 | 15.27 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SN   | 136  | AMPL |      |    | 06:23 | 16.73 | 6    | 0.20 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SE   | 136  | AMPL |      |    | 06:23 | 16.81 | 8    | 0.23 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KAR  | SZ   | 94   | EP   | 3    |    | 06:22 | 52.97 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KSB  | SZ   | 119  | EP   | 3    |    | 06:22 | 56.40 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SZ   | 136  | EP   | 2    |    | 06:22 | 59.22 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| GAL  | SN   | 146  | ES   | 2    |    | 06:23 | 18.86 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| GAL  | SN   | 146  | AMPL |      |    | 06:23 | 20.00 | 2    | 0.12 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| GAL  | SE   | 146  | AMPL |      |    | 06:23 | 19.48 | 3    | 0.13 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| GCL  | SZ   | 133  | EP   | 2    |    | 06:22 | 59.32 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| GMK  | SZ   | 93   | EP   | 2    |    | 06:22 | 52.75 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| GAL  | SZ   | 146  | EP   | 3    |    | 06:23 | 01.87 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| <p> <b>July 8 2003</b>      Time: 07:02 05.1 UTC      Magnitude: 1.0 ML<br/>                     Lat: 52.673N      Lon: -3.847W      Depth: 8.9 km<br/>                     Grid Ref: 275.11 kmE 309.95 kmN      RMS: 0.10 secs<br/>                     Locality: MACHYNLLETH,POWYS      Quality: B<br/>                     Comment: 8KM N OF MACHYNLLETH                 </p> <table border="1"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> </tr> </thead> <tbody> <tr><td>WFB</td><td>SZ</td><td>13</td><td>IP</td><td></td><td>C</td><td>07:02</td><td>07.71</td><td></td><td></td></tr> <tr><td>WFB</td><td>SZ</td><td>13</td><td>ES</td><td>3</td><td></td><td>07:02</td><td>09.69</td><td></td><td></td></tr> <tr><td>YRE</td><td>SZ</td><td>52</td><td>EP</td><td>1</td><td>D</td><td>07:02</td><td>14.17</td><td></td><td></td></tr> <tr><td>YRE</td><td>SZ</td><td>52</td><td>ES</td><td>3</td><td></td><td>07:02</td><td>19.93</td><td></td><td></td></tr> <tr><td>YLL</td><td>SZ</td><td>56</td><td>EP</td><td>2</td><td></td><td>07:02</td><td>14.59</td><td></td><td></td></tr> <tr><td>SSP</td><td>SZ</td><td>57</td><td>EP</td><td>2</td><td></td><td>07:02</td><td>14.95</td><td></td><td></td></tr> <tr><td>SSP</td><td>SN</td><td>57</td><td>ES</td><td>2</td><td></td><td>07:02</td><td>21.47</td><td></td><td></td></tr> <tr><td>SSP</td><td>SN</td><td>57</td><td>AMPL</td><td></td><td></td><td>07:02</td><td>22.33</td><td>15</td><td>0.17</td></tr> <tr><td>SSP</td><td>SE</td><td>57</td><td>AMPL</td><td></td><td></td><td>07:02</td><td>22.47</td><td>13</td><td>0.11</td></tr> <tr><td>WPM</td><td>SZ</td><td>65</td><td>EP</td><td>2</td><td></td><td>07:02</td><td>16.19</td><td></td><td></td></tr> <tr><td>HTR</td><td>SZ</td><td>77</td><td>EP</td><td>2</td><td></td><td>07:02</td><td>17.91</td><td></td><td></td></tr> <tr><td>WCB</td><td>SZ</td><td>92</td><td>EP</td><td>3</td><td></td><td>07:02</td><td>21.18</td><td></td><td></td></tr> <tr><td>WCB</td><td>SE</td><td>92</td><td>ES</td><td>2</td><td></td><td>07:02</td><td>30.72</td><td></td><td></td></tr> <tr><td>WCB</td><td>SE</td><td>92</td><td>AMPL</td><td></td><td></td><td>07:02</td><td>32.04</td><td>4</td><td>0.32</td></tr> <tr><td>WCB</td><td>SN</td><td>92</td><td>AMPL</td><td></td><td></td><td>07:02</td><td>32.97</td><td>3</td><td>0.23</td></tr> <tr><td>MCH</td><td>SZ</td><td>95</td><td>EP</td><td>2</td><td></td><td>07:02</td><td>20.87</td><td></td><td></td></tr> <tr><td>MCH</td><td>SE</td><td>95</td><td>ES</td><td>2</td><td></td><td>07:02</td><td>31.50</td><td></td><td></td></tr> <tr><td>MCH</td><td>SN</td><td>95</td><td>AMPL</td><td></td><td></td><td>07:02</td><td>32.08</td><td>5</td><td>0.14</td></tr> <tr><td>MCH</td><td>SE</td><td>95</td><td>AMPL</td><td></td><td></td><td>07:02</td><td>35.68</td><td>5</td><td>0.09</td></tr> <tr><td>HPE</td><td>SZ</td><td>103</td><td>EP</td><td>3</td><td></td><td>07:02</td><td>21.66</td><td></td><td></td></tr> </tbody> </table> | STAT | CO   | DIST | PHAS | WT | P     | HrMn  | SECS | AMPL | PERI | WFB | SZ | 13 | IP |   | C | 07:02 | 07.71 |  |  | WFB | SZ | 13 | ES   | 3 |  | 07:02 | 09.69 |   |      | YRE | SZ | 52 | EP   | 1 | D | 07:02 | 14.17 |   |      | YRE | SZ | 52 | ES   | 3 |   | 07:02 | 19.93 |    |      | YLL | SZ | 56 | EP   | 2 |   | 07:02 | 14.59 |    |      | SSP | SZ | 57 | EP | 2 |   | 07:02 | 14.95 |  |  | SSP | SN | 57 | ES   | 2 |  | 07:02 | 21.47 |    |      | SSP | SN | 57 | AMPL |   |  | 07:02 | 22.33 | 15 | 0.17 | SSP   | SE   | 57 | AMPL |      |    | 07:02 | 22.47 | 13   | 0.11 | WPM  | SZ  | 65 | EP  | 2  |   | 07:02 | 16.19 |       |  | HTR   | SZ   | 77 | EP   | 2    |    | 07:02 | 17.91 |       |      | WCB   | SZ   | 92 | EP   | 3    |    | 07:02 | 21.18 |       |      | WCB  | SE  | 92 | ES  | 2  |   | 07:02 | 30.72 |       |  | WCB | SE  | 92 | AMPL |    |   | 07:02 | 32.04 | 4     | 0.32 | WCB | SN  | 92 | AMPL |      |   | 07:02 | 32.97 | 3     | 0.23 | MCH  | SZ   | 95 | EP   | 2    |    | 07:02 | 20.87 |       |      | MCH  | SE  | 95 | ES  | 2    |   | 07:02 | 31.50 |       |    | MCH  | SN  | 95 | AMPL |      |   | 07:02 | 32.08 | 5     | 0.14 | MCH  | SE  | 95 | AMPL |      |   | 07:02 | 35.68 | 5     | 0.09 | HPE  | SZ  | 103 | EP  | 3    |   | 07:02 | 21.66 |       |   | <p> <b>July 9 2003</b>      Time: 01:09 18.5 UTC      Magnitude: 0.0 ML<br/>                     Lat: 57.099N      Lon: -5.733W      Depth: 2.5 km<br/>                     Grid Ref: 173.92 kmE 807.02 kmN      RMS: 0.08 secs<br/>                     Locality: KNOYDART,HIGHLAND      Quality: C                 </p> <table border="1"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> </tr> </thead> <tbody> <tr><td>KSB</td><td>SZ</td><td>23</td><td>EP</td><td>2</td><td></td><td>01:09</td><td>22.86</td><td></td><td></td></tr> <tr><td>KSB</td><td>SZ</td><td>23</td><td>ES</td><td>3</td><td></td><td>01:09</td><td>25.63</td><td></td><td></td></tr> <tr><td>KPL</td><td>SZ</td><td>27</td><td>IP</td><td></td><td>D</td><td>01:09</td><td>23.70</td><td></td><td></td></tr> <tr><td>KPL</td><td>SN</td><td>27</td><td>ES</td><td>2</td><td></td><td>01:09</td><td>27.18</td><td></td><td></td></tr> <tr><td>KPL</td><td>SN</td><td>27</td><td>AMPL</td><td></td><td></td><td>01:09</td><td>27.45</td><td>2</td><td>0.16</td></tr> <tr><td>KPL</td><td>SE</td><td>27</td><td>AMPL</td><td></td><td></td><td>01:09</td><td>27.45</td><td>4</td><td>0.13</td></tr> <tr><td>KAR</td><td>SZ</td><td>21</td><td>IP</td><td></td><td>D</td><td>01:09</td><td>22.52</td><td></td><td></td></tr> </tbody> </table> | STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI | KSB | SZ | 23  | EP   | 2 |  | 01:09 | 22.86 |    |      | KSB | SZ | 23  | ES | 3 |  | 01:09 | 25.63 |  |  | KPL | SZ | 27  | IP   |   | D | 01:09 | 23.70 |   |      | KPL | SN | 27  | ES   | 2 |  | 01:09 | 27.18 |   |      | KPL | SN | 27  | AMPL |   |  | 01:09 | 27.45 | 2 | 0.16 | KPL | SE | 27  | AMPL |   |  | 01:09 | 27.45 | 4 | 0.13 | KAR | SZ | 21  | IP |   | D | 01:09 | 22.52 |  |  |     |    |     |    |   |  |       |       |  |  |
| STAT   | CO   | DIST | PHAS | WT   | P  | HrMn  | SECS  | AMPL | PERI |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| WFB  | SZ   | 13   | IP   |      | C  | 07:02 | 07.71 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| WFB  | SZ   | 13   | ES   | 3    |    | 07:02 | 09.69 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| YRE  | SZ   | 52   | EP   | 1    | D  | 07:02 | 14.17 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| YRE  | SZ   | 52   | ES   | 3    |    | 07:02 | 19.93 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| YLL  | SZ   | 56   | EP   | 2    |    | 07:02 | 14.59 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| SSP  | SZ   | 57   | EP   | 2    |    | 07:02 | 14.95 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| SSP  | SN   | 57   | ES   | 2    |    | 07:02 | 21.47 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| SSP  | SN   | 57   | AMPL |      |    | 07:02 | 22.33 | 15   | 0.17 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| SSP  | SE   | 57   | AMPL |      |    | 07:02 | 22.47 | 13   | 0.11 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| WPM  | SZ   | 65   | EP   | 2    |    | 07:02 | 16.19 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HTR  | SZ   | 77   | EP   | 2    |    | 07:02 | 17.91 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| WCB  | SZ   | 92   | EP   | 3    |    | 07:02 | 21.18 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| WCB  | SE   | 92   | ES   | 2    |    | 07:02 | 30.72 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| WCB  | SE   | 92   | AMPL |      |    | 07:02 | 32.04 | 4    | 0.32 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| WCB  | SN   | 92   | AMPL |      |    | 07:02 | 32.97 | 3    | 0.23 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MCH  | SZ   | 95   | EP   | 2    |    | 07:02 | 20.87 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MCH  | SE   | 95   | ES   | 2    |    | 07:02 | 31.50 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MCH  | SN   | 95   | AMPL |      |    | 07:02 | 32.08 | 5    | 0.14 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MCH  | SE   | 95   | AMPL |      |    | 07:02 | 35.68 | 5    | 0.09 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HPE  | SZ   | 103  | EP   | 3    |    | 07:02 | 21.66 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| STAT   | CO   | DIST | PHAS | WT   | P  | HrMn  | SECS  | AMPL | PERI |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KSB  | SZ   | 23   | EP   | 2    |    | 01:09 | 22.86 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KSB  | SZ   | 23   | ES   | 3    |    | 01:09 | 25.63 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SZ   | 27   | IP   |      | D  | 01:09 | 23.70 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SN   | 27   | ES   | 2    |    | 01:09 | 27.18 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SN   | 27   | AMPL |      |    | 01:09 | 27.45 | 2    | 0.16 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SE   | 27   | AMPL |      |    | 01:09 | 27.45 | 4    | 0.13 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KAR  | SZ   | 21   | IP   |      | D  | 01:09 | 22.52 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| <p> <b>July 9 2003</b>      Time: 02:28 46.8 UTC      Magnitude: 0.4 ML<br/>                     Lat: 50.528N      Lon: -5.420W      Depth: 11.7 km<br/>                     Grid Ref: 157.67 kmE 75.51 kmN      RMS: 0.21 secs<br/>                     Locality: W OF TREVOSE HEAD,CORNWALL      Quality: C<br/>                     Comment: 30KM W OF TREVOSE HEAD                 </p> <table border="1"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> </tr> </thead> <tbody> <tr><td>CCA</td><td>SZ</td><td>40</td><td>EP</td><td>2</td><td></td><td>02:28</td><td>54.21</td><td></td><td></td></tr> <tr><td>CST</td><td>SZ</td><td>41</td><td>EP</td><td>2</td><td></td><td>02:28</td><td>54.36</td><td></td><td></td></tr> <tr><td>CST</td><td>SZ</td><td>41</td><td>ES</td><td>3</td><td></td><td>02:28</td><td>59.85</td><td></td><td></td></tr> <tr><td>CSA</td><td>SZ</td><td>42</td><td>EP</td><td>2</td><td></td><td>02:28</td><td>54.42</td><td></td><td></td></tr> <tr><td>CPZ</td><td>SZ</td><td>43</td><td>EP</td><td>2</td><td></td><td>02:28</td><td>54.22</td><td></td><td></td></tr> <tr><td>CR2</td><td>SN</td><td>44</td><td>ES</td><td>2</td><td></td><td>02:29</td><td>00.70</td><td></td><td></td></tr> <tr><td>CR2</td><td>SN</td><td>44</td><td>AMPL</td><td></td><td></td><td>02:29</td><td>00.99</td><td>2</td><td>0.07</td></tr> <tr><td>CCO</td><td>SZ</td><td>47</td><td>EP</td><td>2</td><td></td><td>02:28</td><td>55.22</td><td></td><td></td></tr> <tr><td>CCO</td><td>SZ</td><td>47</td><td>ES</td><td>3</td><td></td><td>02:29</td><td>01.44</td><td></td><td></td></tr> <tr><td>CBW</td><td>SZ</td><td>48</td><td>EP</td><td>2</td><td></td><td>02:28</td><td>55.38</td><td></td><td></td></tr> <tr><td>CGH</td><td>SZ</td><td>56</td><td>EP</td><td>2</td><td></td><td>02:28</td><td>57.12</td><td></td><td></td></tr> <tr><td>HTL</td><td>SZ</td><td>84</td><td>EP</td><td>3</td><td></td><td>02:29</td><td>00.43</td><td></td><td></td></tr> <tr><td>HTL</td><td>SE</td><td>84</td><td>ES</td><td>2</td><td></td><td>02:29</td><td>10.65</td><td></td><td></td></tr> <tr><td>HTL</td><td>SN</td><td>84</td><td>AMPL</td><td></td><td></td><td>02:29</td><td>12.12</td><td>2</td><td>0.24</td></tr> <tr><td>HTL</td><td>SE</td><td>84</td><td>AMPL</td><td></td><td></td><td>02:29</td><td>12.60</td><td>2</td><td>0.24</td></tr> </tbody> </table>  | STAT | CO   | DIST | PHAS | WT | P     | HrMn  | SECS | AMPL | PERI | CCA | SZ | 40 | EP | 2 |   | 02:28 | 54.21 |  |  | CST | SZ | 41 | EP   | 2 |  | 02:28 | 54.36 |   |      | CST | SZ | 41 | ES   | 3 |   | 02:28 | 59.85 |   |      | CSA | SZ | 42 | EP   | 2 |   | 02:28 | 54.42 |    |      | CPZ | SZ | 43 | EP   | 2 |   | 02:28 | 54.22 |    |      | CR2 | SN | 44 | ES | 2 |   | 02:29 | 00.70 |  |  | CR2 | SN | 44 | AMPL |   |  | 02:29 | 00.99 | 2  | 0.07 | CCO | SZ | 47 | EP   | 2 |  | 02:28 | 55.22 |    |      | CCO   | SZ   | 47 | ES   | 3    |    | 02:29 | 01.44 |      |      | CBW  | SZ  | 48 | EP  | 2  |   | 02:28 | 55.38 |       |  | CGH   | SZ   | 56 | EP   | 2    |    | 02:28 | 57.12 |       |      | HTL   | SZ   | 84 | EP   | 3    |    | 02:29 | 00.43 |       |      | HTL  | SE  | 84 | ES  | 2  |   | 02:29 | 10.65 |       |  | HTL | SN  | 84 | AMPL |    |   | 02:29 | 12.12 | 2     | 0.24 | HTL | SE  | 84 | AMPL |      |   | 02:29 | 12.60 | 2     | 0.24 | <p> <b>July 14 2003</b>      Time: 15:42 11.9 UTC      Magnitude: 1.2 ML<br/>                     Lat: 58.260N      Lon: -5.097W      Depth: 4.3 km<br/>                     Grid Ref: 218.30 kmE 934.25 kmN      RMS: 0.16 secs<br/>                     Locality: KYLESTROME,HIGHLAND      Quality: C                 </p> <table border="1"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> </tr> </thead> <tbody> <tr><td>ORE</td><td>SN</td><td>84</td><td>AMPL</td><td></td><td></td><td>15:42</td><td>40.48</td><td>15</td><td>0.18</td></tr> <tr><td>ORE</td><td>SE</td><td>84</td><td>AMPL</td><td></td><td></td><td>15:42</td><td>40.53</td><td>12</td><td>0.24</td></tr> <tr><td>KPL</td><td>SN</td><td>108</td><td>ES</td><td>2</td><td></td><td>15:42</td><td>42.65</td><td></td><td></td></tr> <tr><td>KPL</td><td>SN</td><td>108</td><td>AMPL</td><td></td><td></td><td>15:42</td><td>43.41</td><td>4</td><td>0.13</td></tr> <tr><td>KPL</td><td>SE</td><td>108</td><td>AMPL</td><td></td><td></td><td>15:42</td><td>43.60</td><td>5</td><td>0.28</td></tr> <tr><td>KSB</td><td>SZ</td><td>119</td><td>EP</td><td>2</td><td></td><td>15:42</td><td>31.33</td><td></td><td></td></tr> <tr><td>MCD</td><td>SE</td><td>133</td><td>ES</td><td>2</td><td></td><td>15:42</td><td>50.35</td><td></td><td></td></tr> <tr><td>KPL</td><td>SZ</td><td>108</td><td>EP</td><td>2</td><td></td><td>15:42</td><td>29.73</td><td></td><td></td></tr> <tr><td>ORE</td><td>SZ</td><td>84</td><td>EP</td><td>2</td><td></td><td>15:42</td><td>26.12</td><td></td><td></td></tr> <tr><td>MDO</td><td>SZ</td><td>101</td><td>EP</td><td>2</td><td></td><td>15:42</td><td>28.34</td><td></td><td></td></tr> <tr><td>MDO</td><td>SZ</td><td>101</td><td>ES</td><td>3</td><td></td><td>15:42</td><td>40.94</td><td></td><td></td></tr> <tr><td>MLA</td><td>SZ</td><td>102</td><td>EP</td><td>3</td><td></td><td>15:42</td><td>29.13</td><td></td><td></td></tr> <tr><td>MCD</td><td>SZ</td><td>133</td><td>EP</td><td>3</td><td></td><td>15:42</td><td>34.08</td><td></td><td></td></tr> </tbody> </table> | STAT | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI | ORE | SN | 84  | AMPL |   |       | 15:42 | 40.48 | 15 | 0.18 | ORE | SE | 84   | AMPL |   |       | 15:42 | 40.53 | 12   | 0.24 | KPL | SN | 108  | ES   | 2 |       | 15:42 | 42.65 |      |      | KPL | SN  | 108 | AMPL |   |       | 15:42 | 43.41 | 4 | 0.13  | KPL  | SE | 108  | AMPL |    |   | 15:42 | 43.60 | 5    | 0.28 | KSB | SZ | 119 | EP   | 2 |  | 15:42 | 31.33 |    |      | MCD | SE | 133 | ES | 2 |  | 15:42 | 50.35 |  |  | KPL | SZ | 108 | EP   | 2 |   | 15:42 | 29.73 |   |      | ORE | SZ | 84  | EP   | 2 |  | 15:42 | 26.12 |   |      | MDO | SZ | 101 | EP   | 2 |  | 15:42 | 28.34 |   |      | MDO | SZ | 101 | ES   | 3 |  | 15:42 | 40.94 |   |      | MLA | SZ | 102 | EP | 3 |   | 15:42 | 29.13 |  |  | MCD | SZ | 133 | EP | 3 |  | 15:42 | 34.08 |  |  |
| STAT   | CO   | DIST | PHAS | WT   | P  | HrMn  | SECS  | AMPL | PERI |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CCA  | SZ   | 40   | EP   | 2    |    | 02:28 | 54.21 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CST  | SZ   | 41   | EP   | 2    |    | 02:28 | 54.36 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CST  | SZ   | 41   | ES   | 3    |    | 02:28 | 59.85 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CSA  | SZ   | 42   | EP   | 2    |    | 02:28 | 54.42 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CPZ  | SZ   | 43   | EP   | 2    |    | 02:28 | 54.22 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CR2  | SN   | 44   | ES   | 2    |    | 02:29 | 00.70 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CR2  | SN   | 44   | AMPL |      |    | 02:29 | 00.99 | 2    | 0.07 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CCO  | SZ   | 47   | EP   | 2    |    | 02:28 | 55.22 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CCO  | SZ   | 47   | ES   | 3    |    | 02:29 | 01.44 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CBW  | SZ   | 48   | EP   | 2    |    | 02:28 | 55.38 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| CGH  | SZ   | 56   | EP   | 2    |    | 02:28 | 57.12 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HTL  | SZ   | 84   | EP   | 3    |    | 02:29 | 00.43 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HTL  | SE   | 84   | ES   | 2    |    | 02:29 | 10.65 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HTL  | SN   | 84   | AMPL |      |    | 02:29 | 12.12 | 2    | 0.24 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| HTL  | SE   | 84   | AMPL |      |    | 02:29 | 12.60 | 2    | 0.24 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| STAT   | CO   | DIST | PHAS | WT   | P  | HrMn  | SECS  | AMPL | PERI |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| ORE  | SN   | 84   | AMPL |      |    | 15:42 | 40.48 | 15   | 0.18 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| ORE  | SE   | 84   | AMPL |      |    | 15:42 | 40.53 | 12   | 0.24 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SN   | 108  | ES   | 2    |    | 15:42 | 42.65 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SN   | 108  | AMPL |      |    | 15:42 | 43.41 | 4    | 0.13 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SE   | 108  | AMPL |      |    | 15:42 | 43.60 | 5    | 0.28 |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KSB  | SZ   | 119  | EP   | 2    |    | 15:42 | 31.33 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MCD  | SE   | 133  | ES   | 2    |    | 15:42 | 50.35 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| KPL  | SZ   | 108  | EP   | 2    |    | 15:42 | 29.73 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| ORE  | SZ   | 84   | EP   | 2    |    | 15:42 | 26.12 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MDO  | SZ   | 101  | EP   | 2    |    | 15:42 | 28.34 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MDO  | SZ   | 101  | ES   | 3    |    | 15:42 | 40.94 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MLA  | SZ   | 102  | EP   | 3    |    | 15:42 | 29.13 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |
| MCD  | SZ   | 133  | EP   | 3    |    | 15:42 | 34.08 |      |      |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |   |      |     |    |    |      |   |   |       |       |   |      |     |    |    |      |   |   |       |       |    |      |     |    |    |      |   |   |       |       |    |      |     |    |    |    |   |   |       |       |  |  |     |    |    |      |   |  |       |       |    |      |     |    |    |      |   |  |       |       |    |      |   |      |    |      |      |    |       |       |      |      |      |     |    |     |    |   |       |       |       |  |   |      |    |      |      |    |       |       |       |      |   |      |    |      |      |    |       |       |       |      |      |     |    |     |    |   |       |       |       |  |     |     |    |      |    |   |       |       |       |      |     |     |    |      |      |   |       |       |       |      |  |      |    |      |      |    |       |       |       |      |      |     |    |     |      |   |       |       |       |    |      |     |    |      |      |   |       |       |       |      |      |     |    |      |      |   |       |       |       |      |      |     |     |     |      |   |       |       |       |   |   |      |    |      |      |    |   |       |       |      |      |     |    |     |      |   |  |       |       |    |      |     |    |     |    |   |  |       |       |  |  |     |    |     |      |   |   |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |      |   |  |       |       |   |      |     |    |     |    |   |   |       |       |  |  |     |    |     |    |   |  |       |       |  |  |

**TABLE 2: PHASE DATA 2003**

MVH SZ 66 IP C 15:42 23.06

**July 23 2003** Time: 23:20 32.1 UTC Magnitude: 1.2 ML  
 Lat: 59.896N Lon: -1.719W Depth: 21.2 km  
 Grid Ref: 415.70 kmE 1112.30 kmN RMS: 0.06 secs  
 Locality: OFF SHETLAND ISLES Quality: C  
 Comment: 24KM W OF SUMBURGH HEAD

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| YEL  | SZ | 81   | EP   | 3  |   | 23:20 | 45.27 |      |      |
| SAN  | SZ | 30   | IP   |    | D | 23:20 | 38.22 |      |      |
| SAN  | SZ | 30   | ES   | 3  |   | 23:20 | 42.74 |      |      |
| WAL  | SZ | 41   | IP   |    | C | 23:20 | 39.70 |      |      |
| WAL  | SZ | 41   | ES   | 3  |   | 23:20 | 45.01 |      |      |
| OST  | SZ | 102  | EP   | 3  |   | 23:20 | 48.25 |      |      |
| LRW  | SZ | 40   | IP   |    | D | 23:20 | 39.56 |      |      |
| LRW  | SN | 40   | ES   | 2  |   | 23:20 | 45.11 |      |      |
| LRW  | SN | 40   | AMPL |    |   | 23:20 | 45.61 | 19   | 0.13 |
| LRW  | SE | 40   | AMPL |    |   | 23:20 | 45.56 | 32   | 0.10 |

**July 26 2003** Time: 03:52 09.0 UTC Magnitude: 1.0 ML  
 Lat: 52.287N Lon: -3.691W Depth: 20.2 km  
 Grid Ref: 284.68 kmE 266.82 kmN RMS: 0.06 secs  
 Locality: RHAYADER, POWYS Quality: C  
 Comment:

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| YRE  | SZ | 92   | EP   | 3  |   | 03:52 | 24.03 |      |      |
| HAE  | SZ | 83   | EP   | 1  | D | 03:52 | 22.81 |      |      |
| HGH  | SZ | 94   | EP   | 1  | D | 03:52 | 24.57 |      |      |
| HTR  | SZ | 37   | EP   | 1  | C | 03:52 | 15.97 |      |      |
| MCH  | SZ | 57   | EP   | 2  |   | 03:52 | 18.75 |      |      |
| MCH  | SN | 57   | AMPL |    |   | 03:52 | 26.17 | 9    | 0.10 |
| MCH  | SE | 57   | ES   | 3  |   | 03:52 | 25.91 |      |      |
| MCH  | SE | 57   | AMPL |    |   | 03:52 | 26.21 | 16   | 0.09 |
| SSP  | SZ | 42   | IP   |    | C | 03:52 | 16.65 |      |      |
| SSP  | SN | 42   | ES   | 3  | C | 03:52 | 22.06 |      |      |
| SSP  | SN | 42   | AMPL |    |   | 03:52 | 22.32 | 18   | 0.09 |
| SSP  | SE | 42   | AMPL |    |   | 03:52 | 22.55 | 9    | 0.16 |

**August 2 2003** Time: 00:45 04.1 UTC Magnitude: 1.5 ML  
 Lat: 53.980N Lon: -2.677W Depth: 7.7 km  
 Grid Ref: 355.58 kmE 453.99 kmN RMS: 0.17 secs  
 Locality: LANCASTER, LANCS Quality: C  
 Comment: 10KM SE OF LANCASTER

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| LMI  | SZ | 49   | EP   | 2  |   | 00:45 | 12.61 |      |      |
| LMI  | SE | 49   | ES   | 2  |   | 00:45 | 18.64 |      |      |
| LMI  | SN | 49   | AMPL |    |   | 00:45 | 19.58 | 16   | 0.16 |
| LMI  | SE | 49   | AMPL |    |   | 00:45 | 20.27 | 14   | 0.19 |
| HPK  | SZ | 69   | EP   | 2  |   | 00:45 | 15.89 |      |      |
| HPK  | SN | 69   | ES   | 2  |   | 00:45 | 23.94 |      |      |
| HPK  | SE | 69   | AMPL |    |   | 00:45 | 25.10 | 54   | 0.21 |
| HPK  | SN | 69   | AMPL |    |   | 00:45 | 27.56 | 67   | 0.24 |
| LHO  | SZ | 73   | IP   | 1  | D | 00:45 | 16.17 |      |      |
| LHO  | SZ | 73   | ES   | 3  |   | 00:45 | 24.77 |      |      |
| BBO  | SZ | 92   | EP   | 2  |   | 00:45 | 19.31 |      |      |
| BBO  | SN | 92   | ES   | 2  |   | 00:45 | 29.93 |      |      |
| BBO  | SE | 92   | AMPL |    |   | 00:45 | 32.00 | 11   | 0.22 |
| BBO  | SN | 92   | AMPL |    |   | 00:45 | 32.03 | 9    | 0.10 |
| BDL  | SZ | 93   | EP   | 1  | D | 00:45 | 19.48 |      |      |
| BTA  | SZ | 103  | EP   | 2  |   | 00:45 | 21.21 |      |      |
| BTA  | SN | 103  | ES   | 2  |   | 00:45 | 32.89 |      |      |
| BTA  | SE | 103  | AMPL |    |   | 00:45 | 33.34 | 23   | 0.26 |
| BTA  | SN | 103  | AMPL |    |   | 00:45 | 34.51 | 32   | 0.13 |
| WPM  | SZ | 114  | EP   | 3  |   | 00:45 | 22.54 |      |      |
| LCP  | SZ | 115  | EP   | 2  |   | 00:45 | 22.78 |      |      |
| KWE  | SZ | 121  | EP   | 3  |   | 00:45 | 24.16 |      |      |
| GIM  | SZ | 122  | EP   | 3  |   | 00:45 | 23.28 |      |      |
| GIM  | SN | 122  | ES   | 3  |   | 00:45 | 36.60 |      |      |
| GIM  | SN | 122  | AMPL |    |   | 00:45 | 39.86 | 6    | 0.16 |
| GIM  | SE | 122  | AMPL |    |   | 00:45 | 40.58 | 7    | 0.28 |
| WME  | SZ | 126  | EP   | 3  |   | 00:45 | 23.44 |      |      |
| BHH  | SE | 129  | ES   | 2  |   | 00:45 | 40.01 |      |      |
| BHH  | SN | 129  | AMPL |    |   | 00:45 | 40.98 | 17   | 0.35 |
| BHH  | SE | 129  | AMPL |    |   | 00:45 | 41.62 | 9    | 0.45 |
| BBH  | SZ | 129  | EP   | 2  |   | 00:45 | 25.16 |      |      |
| BHH  | SZ | 129  | EP   | 2  |   | 00:45 | 24.16 |      |      |
| WIM  | SZ | 132  | EP   | 3  |   | 00:45 | 24.83 |      |      |

**August 3 2003** Time: 07:22 30.5 UTC Magnitude: 0.2 ML  
 Lat: 53.229N Lon: -3.712W Depth: 13.6 km  
 Grid Ref: 285.72 kmE 371.62 kmN RMS: 0.06 secs  
 Locality: CONWY, GWYNEDD Quality: C  
 Comment: 8KM SE OF CONWY

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| WPM  | SZ | 13   | EP   | 1  | D | 07:22 | 33.65 |      |      |
| WPM  | SZ | 13   | ES   | 3  |   | 07:22 | 35.77 |      |      |
| YLL  | SZ | 32   | IP   |    | C | 07:22 | 36.29 |      |      |
| YLL  | SZ | 32   | ES   | 3  |   | 07:22 | 40.24 |      |      |
| WLF  | SZ | 46   | EP   | 2  |   | 07:22 | 38.34 |      |      |
| WLF  | SZ | 46   | ES   | 3  |   | 07:22 | 44.08 |      |      |
| YRC  | SZ | 58   | EP   | 2  |   | 07:22 | 40.33 |      |      |
| WCB  | SZ | 58   | EP   | 2  |   | 07:22 | 40.32 |      |      |
| WCB  | SN | 58   | AMPL |    |   | 07:22 | 49.87 | 1    | 0.08 |
| WCB  | SE | 58   | AMPL |    |   | 07:22 | 50.20 | 2    | 0.08 |
| WFB  | SZ | 65   | EP   | 2  |   | 07:22 | 40.83 |      |      |

**August 6 2003** Time: 23:47 19.8 UTC Magnitude: 0.0 ML  
 Lat: 57.128N Lon: -5.423W Depth: 14.1 km  
 Grid Ref: 192.85 kmE 809.32 kmN RMS: 0.08 secs  
 Locality: SHIEL BRIDGE, HIGHLAND Quality: D  
 Comment:

**Comment: 10KM S OF SHIEL BRIDGE**

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| KSB  | SZ | 9    | IP   |    | D | 23:47 | 22.65 |      |      |
| KSB  | SZ | 9    | ES   | 3  |   | 23:47 | 25.35 |      |      |
| KPL  | SZ | 27   | IP   |    | D | 23:47 | 25.06 |      |      |
| KPL  | SN | 27   | AMPL |    |   | 23:47 | 25.24 | 3    | 0.12 |
| KPL  | SE | 27   | ES   | 2  |   | 23:47 | 28.82 |      |      |
| KPL  | SE | 27   | AMPL |    |   | 23:47 | 29.13 | 2    | 0.18 |
| KAR  | SZ | 34   | EP   | 3  |   | 23:47 | 26.05 |      |      |

**August 13 2003** Time: 00:15 49.0 UTC Magnitude: 1.0 ML  
 Lat: 52.967N Lon: -3.842W Depth: 14.8 km  
 Grid Ref: 276.28 kmE 342.66 kmN RMS: 0.08 secs  
 Locality: FFESTINIOG, GWYNEDD Quality: B  
 Comment: 6KM E OF FFESTINIOG

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| YLL  | SZ | 29   | IP   |    | D | 00:15 | 54.48 |      |      |
| YLL  | SZ | 29   | ES   | 3  |   | 00:15 | 58.06 |      |      |
| WPM  | SZ | 33   | IP   |    | D | 00:15 | 55.16 |      |      |
| WPM  | SZ | 33   | ES   | 3  |   | 00:15 | 58.79 |      |      |
| WFB  | SZ | 34   | IP   |    | C | 00:15 | 55.21 |      |      |
| YRE  | SZ | 39   | IP   |    | C | 00:15 | 56.06 |      |      |
| SBD  | SZ | 40   | EP   | 2  |   | 00:15 | 56.05 |      |      |
| WLF  | SZ | 52   | IP   |    | D | 00:15 | 57.71 |      |      |
| WME  | SZ | 57   | EP   | 2  |   | 00:15 | 58.58 |      |      |
| WCB  | SZ | 66   | IP   |    | D | 00:15 | 59.83 |      |      |
| WCB  | SE | 66   | ES   | 3  |   | 00:16 | 07.64 |      |      |
| WCB  | SE | 66   | AMPL |    |   | 00:16 | 07.84 | 6    | 0.24 |
| WCB  | SN | 66   | AMPL |    |   | 00:16 | 07.96 | 6    | 0.32 |
| SSP  | SZ | 79   | EP   | 2  |   | 00:16 | 02.55 |      |      |
| SSP  | SE | 79   | ES   | 2  |   | 00:16 | 11.94 |      |      |
| SSP  | SE | 79   | AMPL |    |   | 00:16 | 12.35 | 10   | 0.27 |
| SSP  | SN | 79   | AMPL |    |   | 00:16 | 12.37 | 6    | 0.37 |
| HTR  | SZ | 106  | EP   | 2  |   | 00:16 | 06.87 |      |      |
| MCH  | SZ | 122  | EP   | 2  |   | 00:16 | 09.08 |      |      |
| MCH  | SN | 122  | AMPL |    |   | 00:16 | 27.47 | 3    | 0.14 |
| MCH  | SE | 122  | AMPL |    |   | 00:16 | 27.88 | 3    | 0.38 |
| HAE  | SZ | 136  | EP   | 2  |   | 00:16 | 11.34 |      |      |

**August 16 2003** Time: 16:59 44.4 UTC Magnitude: 0.8 ML  
 Lat: 50.160N Lon: -5.341W Depth: 6.0 km  
 Grid Ref: 161.39 kmE 34.35 kmN RMS: 0.05 secs  
 Locality: CAMBORNE, CORNWALL Quality: B  
 Comment: 6KM SW OF CAMBORNE

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| CST  | SZ | 13   | IP   |    | C | 16:59 | 46.92 |      |      |
| CR2  | SN | 12   | ES   | 1  | C | 16:59 | 48.38 |      |      |
| CR2  | SN | 12   | AMPL |    |   | 16:59 | 48.50 | 111  | 0.08 |
| CR2  | SZ | 12   | IP   |    | C | 16:59 | 46.78 |      |      |
| CBW  | SZ | 16   | IP   |    | C | 16:59 | 47.37 |      |      |
| CBW  | SZ | 16   | ES   | 3  |   | 16:59 | 49.23 |      |      |
| CBW  | SZ | 16   | AMPL |    |   | 16:59 | 49.56 | 17   | 0.08 |
| CCA  | SZ | 9    | IP   |    | C | 16:59 | 46.27 |      |      |
| CCA  | SZ | 9    | AMPL |    |   | 16:59 | 47.65 | 33   | 0.08 |
| CCO  | SZ | 11   | IP   |    | D | 16:59 | 46.55 |      |      |
| CCO  | SZ | 11   | ES   | 3  |   | 16:59 | 47.95 |      |      |
| CCO  | SZ | 11   | AMPL |    |   | 16:59 | 48.16 | 40   | 0.07 |
| CGH  | SZ | 18   | IP   |    | D | 16:59 | 47.68 |      |      |
| CGH  | SZ | 18   | AMPL |    |   | 16:59 | 50.12 | 28   | 0.09 |
| CPZ  | SZ | 17   | EP   | 1  | C | 16:59 | 47.57 |      |      |

**August 19 2003** Time: 19:46 18.6 UTC Magnitude: 3.1 ML  
 Lat: 53.481N Lon: -1.013W Depth: 13.2 km  
 Grid Ref: 465.46 kmE 398.77 kmN RMS: 0.07 secs  
 Locality: DONCASTER, S YORKSHIRE Quality: C  
 Comment: FELT RETFORD Intensity: 3+

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| KBI  | SZ | 43   | IP   |    | C | 19:46 | 26.25 |      |      |
| KEY2 | AZ | 67   | EP   | 4  |   | 19:46 | 30.97 |      |      |
| KEY2 | AN | 67   | ES   | 4  |   | 19:46 | 39.54 |      |      |
| KEY2 | AN | 67   | AMPL |    |   | 19:46 | 40.13 | 1881 | 0.10 |
| KEY2 | AE | 67   | AMPL |    |   | 19:46 | 41.38 | 2590 | 0.16 |
| HPK  | SN | 67   | ES   | 2  |   | 19:46 | 37.89 |      |      |
| CWF  | SN | 85   | ES   | 2  |   | 19:46 | 42.84 |      |      |
| KUF  | SZ | 105  | EP   | 2  |   | 19:46 | 35.34 |      |      |
| SSP  | SN | 184  | AMPL |    |   | 19:47 | 09.57 | 181  | 0.38 |
| SSP  | SE | 184  | AMPL |    |   | 19:47 | 11.04 | 162  | 0.27 |
| HAE  | SZ | 191  | EP   | 2  |   | 19:46 | 46.64 |      |      |
| MCH  | SZ | 213  | EP   | 4  |   | 19:46 | 49.10 |      |      |
| MCH  | SE | 213  | AMPL |    |   | 19:47 | 16.99 | 138  | 0.29 |
| MCH  | SN | 213  | AMPL |    |   | 19:47 | 17.89 | 126  | 0.19 |
| HGH  | SZ | 238  | EP   | 2  |   | 19:46 | 52.44 |      |      |
| CWF  | SZ | 85   | IP   |    | D | 19:46 | 32.47 |      |      |
| KSY  | SZ | 64   | IP   |    | D | 19:46 | 29.41 |      |      |
| KSY  | SZ | 64   | ES   | 3  |   | 19:46 | 37.19 |      |      |
| KWE  | SZ | 76   | IP   |    | C | 19:46 | 31.21 |      |      |
| LMK  | SZ | 46   | IP   |    | C | 19:46 | 26.59 |      |      |
| SSP  | SZ | 184  | EP   | 3  |   | 19:46 | 45.89 |      |      |
| LHO  | SZ | 56   | EP   | 2  | C | 19:46 | 28.05 |      |      |
| LWH  | SZ | 98   | EP   | 2  | C | 19:46 | 34.55 |      |      |
| LDU  | SZ | 51   | IP   |    | D | 19:46 | 27.38 |      |      |
| LDU  | SZ |      | AMPG |    |   | 19:46 | 27.71 | 879  | 0.06 |
| LDU  | SZ |      | AMSG |    |   | 19:46 | 35.47 | 373  | 0.07 |
| SBD  | SZ | 163  | EP   | 3  |   | 19:46 | 42.69 |      |      |
| HPK  | SZ | 67   | EP   | 3  |   | 19:46 | 29.90 |      |      |

**August 23 2003** Time: 03:35 20.6 UTC Magnitude: 1.5 ML  
 Lat: 56.166N Lon: -4.435W Depth: 2.8 km  
 Comment:

**TABLE 2: PHASE DATA 2003**

| <b>Grid Ref: 248.80 kmE 699.72 kmN</b><br><b>Locality: ABERFOYLE,CENTRAL</b><br><b>Comment: FELT ABERFOYLE</b>  |    |      |      |    |       |       |       |      |         | <b>RMS: 0.10 secs</b><br><b>Quality: B</b><br><b>Intensity: 3+</b>   |    | <table border="1"> <thead> <tr> <th>ED</th><th>SN</th><th>50</th><th>AML</th><th></th><th>21:29</th><th>24.71</th><th></th><th>62</th><th>0.12</th> </tr> </thead> <tbody> <tr><td>EDR</td><td>SZ</td><td>104</td><td>EP</td><td>3</td><td>21:29</td><td>23.94</td><td></td><td></td><td></td></tr> <tr><td>MME</td><td>SZ</td><td>127</td><td>EP</td><td>2</td><td>21:29</td><td>28.45</td><td></td><td></td><td></td></tr> <tr><td>MDO</td><td>SZ</td><td>138</td><td>EP</td><td>2</td><td>21:29</td><td>30.14</td><td></td><td></td><td></td></tr> <tr><td>KSB</td><td>SZ</td><td>148</td><td>EP</td><td>2</td><td>21:29</td><td>32.01</td><td></td><td></td><td></td></tr> <tr><td>MCD</td><td>SN</td><td>151</td><td>ES</td><td>3</td><td>21:29</td><td>49.65</td><td></td><td></td><td></td></tr> <tr><td>MCD</td><td>SE</td><td>151</td><td>AML</td><td></td><td>21:29</td><td>51.38</td><td></td><td>132</td><td>0.22</td></tr> <tr><td>MCD</td><td>SN</td><td>151</td><td>AML</td><td></td><td>21:29</td><td>51.59</td><td></td><td>137</td><td>0.17</td></tr> <tr><td>GMK</td><td>SZ</td><td>155</td><td>EP</td><td>3</td><td>21:29</td><td>31.72</td><td></td><td></td><td></td></tr> <tr><td>GAL</td><td>SZ</td><td>167</td><td>EP</td><td>3</td><td>21:29</td><td>32.88</td><td></td><td></td><td></td></tr> <tr><td>GAL</td><td>SE</td><td>167</td><td>ES</td><td>3</td><td>21:29</td><td>53.10</td><td></td><td></td><td></td></tr> <tr><td>GAL</td><td>SN</td><td>167</td><td>AML</td><td></td><td>21:29</td><td>54.02</td><td></td><td>43</td><td>0.23</td></tr> <tr><td>GAL</td><td>SE</td><td>167</td><td>AML</td><td></td><td>21:29</td><td>54.16</td><td></td><td>52</td><td>0.32</td></tr> <tr><td>KPL</td><td>SN</td><td>168</td><td>ES</td><td>2</td><td>21:29</td><td>55.06</td><td></td><td></td><td></td></tr> <tr><td>KPL</td><td>SN</td><td>168</td><td>AML</td><td></td><td>21:29</td><td>55.95</td><td></td><td>24</td><td>0.32</td></tr> <tr><td>KPL</td><td>SE</td><td>168</td><td>AML</td><td></td><td>21:29</td><td>56.44</td><td></td><td>21</td><td>0.39</td></tr> </tbody> </table> |      |    |   |      |      |      |      |     |    | ED | SN | 50 | AML |       | 21:29 | 24.71 |  | 62  | 0.12 | EDR | SZ | 104 | EP | 3     | 21:29 | 23.94 |  |     |    | MME | SZ  | 127 | EP | 2     | 21:29 | 28.45 |         |     |    | MDO | SZ  | 138 | EP | 2     | 21:29 | 30.14 |         |     |    | KSB | SZ  | 148 | EP | 2     | 21:29 | 32.01 |         |     |    | MCD | SN  | 151 | ES | 3     | 21:29 | 49.65 |         |     |    | MCD | SE  | 151 | AML |       | 21:29 | 51.38 |        | 132 | 0.22 | MCD | SN  | 151 | AML |       | 21:29 | 51.59 |        | 137 | 0.17 | GMK | SZ  | 155 | EP | 3     | 21:29 | 31.72 |        |     |    | GAL | SZ  | 167 | EP | 3     | 21:29 | 32.88 |        |     |    | GAL | SE | 167 | ES | 3     | 21:29 | 53.10 |  |     |    | GAL | SN | 167 | AML |       | 21:29 | 54.02 |  | 43  | 0.23 | GAL | SE  | 167 | AML |       | 21:29 | 54.16 |         | 52  | 0.32 | KPL | SN  | 168 | ES | 2     | 21:29 | 55.06 |         |     |    | KPL | SN  | 168 | AML |       | 21:29 | 55.95 |        | 24  | 0.32 | KPL | SE  | 168 | AML |       | 21:29 | 56.44 |         | 21  | 0.39 |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
|---|----|------|------|----|-------|-------|-------|------|---------|--|----|---|------|----|---|------|------|------|------|-----|----|----|----|----|-----|-------|-------|-------|--|-----|------|-----|----|-----|----|-------|-------|-------|--|-----|----|-----|-----|-----|----|-------|-------|-------|---------|-----|----|-----|-----|-----|----|-------|-------|-------|---------|-----|----|-----|-----|-----|----|-------|-------|-------|---------|-----|----|-----|-----|-----|----|-------|-------|-------|---------|-----|----|-----|-----|-----|-----|-------|-------|-------|--------|-----|------|-----|-----|-----|-----|-------|-------|-------|--------|-----|------|-----|-----|-----|----|-------|-------|-------|--------|-----|----|-----|-----|-----|----|-------|-------|-------|--------|-----|----|-----|----|-----|----|-------|-------|-------|--|-----|----|-----|----|-----|-----|-------|-------|-------|--|-----|------|-----|-----|-----|-----|-------|-------|-------|---------|-----|------|-----|-----|-----|----|-------|-------|-------|---------|-----|----|-----|-----|-----|-----|-------|-------|-------|--------|-----|------|-----|-----|-----|-----|-------|-------|-------|---------|-----|------|-----|----|---|---|-------|-------|--|---------|-----|----|-----|-----|---|---|-------|-------|--|---------|-----|----|-----|----|---|--|-------|-------|--|--|-----|----|-----|-----|---|--|-------|-------|--|---------|-----|----|-----|----|---|--|-------|-------|--|--|-----|----|-----|-----|--|--|-------|-------|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|
| ED  | SN | 50   | AML  |    | 21:29 | 24.71 |       | 62   | 0.12    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EDR   | SZ | 104  | EP   | 3  | 21:29 | 23.94 |       |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MME   | SZ | 127  | EP   | 2  | 21:29 | 28.45 |       |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MDO   | SZ | 138  | EP   | 2  | 21:29 | 30.14 |       |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KSB   | SZ | 148  | EP   | 2  | 21:29 | 32.01 |       |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCD   | SN | 151  | ES   | 3  | 21:29 | 49.65 |       |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCD   | SE | 151  | AML  |    | 21:29 | 51.38 |       | 132  | 0.22    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCD   | SN | 151  | AML  |    | 21:29 | 51.59 |       | 137  | 0.17    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| GMK   | SZ | 155  | EP   | 3  | 21:29 | 31.72 |       |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| GAL   | SZ | 167  | EP   | 3  | 21:29 | 32.88 |       |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| GAL   | SE | 167  | ES   | 3  | 21:29 | 53.10 |       |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| GAL   | SN | 167  | AML  |    | 21:29 | 54.02 |       | 43   | 0.23    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| GAL   | SE | 167  | AML  |    | 21:29 | 54.16 |       | 52   | 0.32    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KPL   | SN | 168  | ES   | 2  | 21:29 | 55.06 |       |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KPL   | SN | 168  | AML  |    | 21:29 | 55.95 |       | 24   | 0.32    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KPL   | SE | 168  | AML  |    | 21:29 | 56.44 |       | 21   | 0.39    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>August 23 2003</b><br><b>Lat: 52.970N</b><br><b>Grid Ref: 231.06 kmE 344.44 kmN</b><br><b>Locality: CAERNARVON BAY,GWYNEDD</b>   |    |      |      |    |       |       |       |      |         | <b>Time: 12:18 28.1 UTC</b><br><b>Lon: -4.516W</b><br><b>RMS: 0.07 secs</b><br><b>Quality: C</b>                         |    | <b>Magnitude: 0.6 ML</b><br><b>Depth: 17.9 km</b><br><b>RMS: 0.04 secs</b><br><b>Quality: D</b>   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th> </tr> </thead> <tbody> <tr><td>YRE</td><td>SZ</td><td>6</td><td>IP</td><td></td><td>D</td><td>12:18</td><td>31.28</td><td></td><td></td></tr> <tr><td>YLL</td><td>SZ</td><td>30</td><td>EP</td><td>1</td><td>C</td><td>12:18</td><td>33.92</td><td></td><td></td></tr> <tr><td>WLF</td><td>SZ</td><td>36</td><td>IP</td><td>1</td><td>C</td><td>12:18</td><td>34.61</td><td></td><td></td></tr> <tr><td>WFB</td><td>SZ</td><td>45</td><td>EP</td><td>2</td><td>C</td><td>12:18</td><td>36.06</td><td></td><td></td></tr> <tr><td>WCB</td><td>SZ</td><td>45</td><td>EP</td><td>2</td><td>C</td><td>12:18</td><td>36.20</td><td></td><td></td></tr> <tr><td>WCB</td><td>SE</td><td>45</td><td>ES</td><td>3</td><td></td><td>12:18</td><td>41.43</td><td></td><td></td></tr> <tr><td>WCB</td><td>SE</td><td>45</td><td>AML</td><td></td><td></td><td>12:18</td><td>42.32</td><td></td><td>6 0.08</td></tr> <tr><td>WCB</td><td>SN</td><td>45</td><td>AML</td><td></td><td></td><td>12:18</td><td>42.49</td><td></td><td>4 0.15</td></tr> <tr><td>WPM</td><td>SZ</td><td>52</td><td>IP</td><td>1</td><td>C</td><td>12:18</td><td>37.13</td><td></td><td></td></tr> </tbody> </table>  |    |      |      |    |       |       |       |      |         | STAT   | CO | DIST  | PHAS | WT | P | HrMn | SECS | AMPL | PERI | YRE | SZ | 6  | IP |    | D   | 12:18 | 31.28 |       |  | YLL | SZ   | 30  | EP | 1   | C  | 12:18 | 33.92 |       |  | WLF | SZ | 36  | IP  | 1   | C  | 12:18 | 34.61 |       |         | WFB | SZ | 45  | EP  | 2   | C  | 12:18 | 36.06 |       |         | WCB | SZ | 45  | EP  | 2   | C  | 12:18 | 36.20 |       |         | WCB | SE | 45  | ES  | 3   |    | 12:18 | 41.43 |       |         | WCB | SE | 45  | AML |     |     | 12:18 | 42.32 |       | 6 0.08 | WCB | SN   | 45  | AML |     |     | 12:18 | 42.49 |       | 4 0.15 | WPM | SZ   | 52  | IP  | 1   | C  | 12:18 | 37.13 |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| STAT  | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| YRE   | SZ | 6    | IP   |    | D     | 12:18 | 31.28 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| YLL   | SZ | 30   | EP   | 1  | C     | 12:18 | 33.92 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| WLF   | SZ | 36   | IP   | 1  | C     | 12:18 | 34.61 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| WFB   | SZ | 45   | EP   | 2  | C     | 12:18 | 36.06 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| WCB   | SZ | 45   | EP   | 2  | C     | 12:18 | 36.20 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| WCB   | SE | 45   | ES   | 3  |       | 12:18 | 41.43 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| WCB   | SE | 45   | AML  |    |       | 12:18 | 42.32 |      | 6 0.08  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| WCB   | SN | 45   | AML  |    |       | 12:18 | 42.49 |      | 4 0.15  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| WPM   | SZ | 52   | IP   | 1  | C     | 12:18 | 37.13 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>August 27 2003</b><br><b>Lat: 57.553N</b><br><b>Grid Ref: 214.95 kmE 855.61 kmN</b><br><b>Locality: KINLOCHEWE,HIGHLAND</b><br><b>Comment: 12KM SE OF KINLOCHEWE</b>   |    |      |      |    |       |       |       |      |         | <b>Time: 20:04 03.9 UTC</b><br><b>Lon: -5.093W</b><br><b>RMS: 0.16 secs</b><br><b>Quality: D</b>                         |    | <b>Magnitude: 1.0 ML</b><br><b>Depth: 8.8 km</b><br><b>RMS: 0.16 secs</b><br><b>Quality: D</b>  |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th> </tr> </thead> <tbody> <tr><td>KPL</td><td>SZ</td><td>41</td><td>EP</td><td>3</td><td></td><td>20:04</td><td>11.26</td><td></td><td></td></tr> <tr><td>KPL</td><td>SN</td><td>41</td><td>ES</td><td>2</td><td></td><td>20:04</td><td>16.20</td><td></td><td></td></tr> <tr><td>KPL</td><td>SN</td><td>41</td><td>AML</td><td></td><td></td><td>20:04</td><td>16.44</td><td></td><td>12 0.11</td></tr> <tr><td>KPL</td><td>SE</td><td>41</td><td>AML</td><td></td><td></td><td>20:04</td><td>16.54</td><td></td><td>11 0.31</td></tr> <tr><td>KSB</td><td>SZ</td><td>43</td><td>EP</td><td>2</td><td></td><td>20:04</td><td>11.59</td><td></td><td></td></tr> <tr><td>MDO</td><td>SZ</td><td>46</td><td>EP</td><td>2</td><td></td><td>20:04</td><td>11.78</td><td></td><td></td></tr> <tr><td>MCD</td><td>SZ</td><td>110</td><td>EP</td><td>2</td><td></td><td>20:04</td><td>22.19</td><td></td><td></td></tr> <tr><td>MCD</td><td>SN</td><td>110</td><td>AML</td><td></td><td></td><td>20:04</td><td>36.83</td><td></td><td>6 0.13</td></tr> <tr><td>MCD</td><td>SE</td><td>110</td><td>AML</td><td></td><td></td><td>20:04</td><td>37.17</td><td></td><td>7 0.23</td></tr> </tbody> </table>   |    |      |      |    |       |       |       |      |         | STAT   | CO | DIST  | PHAS | WT | P | HrMn | SECS | AMPL | PERI | KPL | SZ | 41 | EP | 3  |     | 20:04 | 11.26 |       |  | KPL | SN   | 41  | ES | 2   |    | 20:04 | 16.20 |       |  | KPL | SN | 41  | AML |     |    | 20:04 | 16.44 |       | 12 0.11 | KPL | SE | 41  | AML |     |    | 20:04 | 16.54 |       | 11 0.31 | KSB | SZ | 43  | EP  | 2   |    | 20:04 | 11.59 |       |         | MDO | SZ | 46  | EP  | 2   |    | 20:04 | 11.78 |       |         | MCD | SZ | 110 | EP  | 2   |     | 20:04 | 22.19 |       |        | MCD | SN   | 110 | AML |     |     | 20:04 | 36.83 |       | 6 0.13 | MCD | SE   | 110 | AML |     |    | 20:04 | 37.17 |       | 7 0.23 |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| STAT  | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KPL   | SZ | 41   | EP   | 3  |       | 20:04 | 11.26 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KPL   | SN | 41   | ES   | 2  |       | 20:04 | 16.20 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KPL   | SN | 41   | AML  |    |       | 20:04 | 16.44 |      | 12 0.11 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KPL   | SE | 41   | AML  |    |       | 20:04 | 16.54 |      | 11 0.31 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KSB   | SZ | 43   | EP   | 2  |       | 20:04 | 11.59 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MDO   | SZ | 46   | EP   | 2  |       | 20:04 | 11.78 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCD   | SZ | 110  | EP   | 2  |       | 20:04 | 22.19 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCD   | SN | 110  | AML  |    |       | 20:04 | 36.83 |      | 6 0.13  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCD   | SE | 110  | AML  |    |       | 20:04 | 37.17 |      | 7 0.23  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>September 2 2003</b><br><b>Lat: 51.180N</b><br><b>Grid Ref: 280.11 kmE 143.80 kmN</b><br><b>Locality: LYNTON,DEVON</b><br><b>Comment: 5KM SE OF LYNTON</b>   |    |      |      |    |       |       |       |      |         | <b>Time: 19:32 03.7 UTC</b><br><b>Lon: -3.715W</b><br><b>RMS: 0.11 secs</b><br><b>Quality: C</b>                         |    | <b>Magnitude: 1.2 ML</b><br><b>Depth: 6.9 km</b><br><b>RMS: 0.11 secs</b><br><b>Quality: C</b>  |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th> </tr> </thead> <tbody> <tr><td>HGH</td><td>SZ</td><td>81</td><td>EP</td><td>2</td><td></td><td>19:32</td><td>17.09</td><td></td><td></td></tr> <tr><td>MCH</td><td>SZ</td><td>104</td><td>EP</td><td>3</td><td></td><td>19:32</td><td>20.66</td><td></td><td></td></tr> <tr><td>MCH</td><td>SE</td><td>104</td><td>ES</td><td>3</td><td></td><td>19:32</td><td>32.40</td><td></td><td></td></tr> <tr><td>MCH</td><td>SN</td><td>104</td><td>ES</td><td>3</td><td></td><td>19:32</td><td>32.85</td><td></td><td></td></tr> <tr><td>MCH</td><td>SE</td><td>104</td><td>AML</td><td></td><td></td><td>19:32</td><td>33.16</td><td></td><td>6 0.32</td></tr> <tr><td>MCH</td><td>SN</td><td>104</td><td>AML</td><td></td><td></td><td>19:32</td><td>38.22</td><td></td><td>7 0.19</td></tr> <tr><td>HAE</td><td>SZ</td><td>125</td><td>EP</td><td>2</td><td></td><td>19:32</td><td>24.31</td><td></td><td></td></tr> <tr><td>SSP</td><td>SZ</td><td>144</td><td>EP</td><td>1</td><td>C</td><td>19:32</td><td>27.16</td><td></td><td></td></tr> <tr><td>SSP</td><td>SN</td><td>144</td><td>AML</td><td></td><td></td><td>19:32</td><td>46.47</td><td></td><td>9 0.21</td></tr> <tr><td>SSP</td><td>SE</td><td>144</td><td>AML</td><td></td><td></td><td>19:32</td><td>47.12</td><td></td><td>8 0.28</td></tr> <tr><td>HEX</td><td>SZ</td><td>14</td><td>IP</td><td></td><td>C</td><td>19:32</td><td>06.77</td><td></td><td></td></tr> <tr><td>HEX</td><td>SZ</td><td>14</td><td>ES</td><td>3</td><td></td><td>19:32</td><td>08.69</td><td></td><td></td></tr> <tr><td>HPE</td><td>SZ</td><td>112</td><td>EP</td><td>2</td><td></td><td>19:32</td><td>22.16</td><td></td><td></td></tr> <tr><td>HSA</td><td>SZ</td><td>70</td><td>EP</td><td>3</td><td></td><td>19:32</td><td>15.42</td><td></td><td></td></tr> <tr><td>HTL</td><td>SZ</td><td>58</td><td>IP</td><td></td><td>C</td><td>19:32</td><td>13.64</td><td></td><td></td></tr> <tr><td>HTL</td><td>SN</td><td>58</td><td>AML</td><td></td><td></td><td>19:32</td><td>22.60</td><td></td><td>11 0.47</td></tr> <tr><td>HTL</td><td>SE</td><td>58</td><td>ES</td><td>2</td><td></td><td>19:32</td><td>20.58</td><td></td><td>16 0.21</td></tr> <tr><td>HTL</td><td>SE</td><td>58</td><td>AML</td><td></td><td></td><td>19:32</td><td>22.36</td><td></td><td>16 0.21</td></tr> </tbody> </table>  |    |      |      |    |       |       |       |      |         | STAT   | CO | DIST  | PHAS | WT | P | HrMn | SECS | AMPL | PERI | HGH | SZ | 81 | EP | 2  |     | 19:32 | 17.09 |       |  | MCH | SZ   | 104 | EP | 3   |    | 19:32 | 20.66 |       |  | MCH | SE | 104 | ES  | 3   |    | 19:32 | 32.40 |       |         | MCH | SN | 104 | ES  | 3   |    | 19:32 | 32.85 |       |         | MCH | SE | 104 | AML |     |    | 19:32 | 33.16 |       | 6 0.32  | MCH | SN | 104 | AML |     |    | 19:32 | 38.22 |       | 7 0.19  | HAE | SZ | 125 | EP  | 2   |     | 19:32 | 24.31 |       |        | SSP | SZ   | 144 | EP  | 1   | C   | 19:32 | 27.16 |       |        | SSP | SN   | 144 | AML |     |    | 19:32 | 46.47 |       | 9 0.21 | SSP | SE | 144 | AML |     |    | 19:32 | 47.12 |       | 8 0.28 | HEX | SZ | 14  | IP |     | C  | 19:32 | 06.77 |       |  | HEX | SZ | 14  | ES | 3   |     | 19:32 | 08.69 |       |  | HPE | SZ   | 112 | EP  | 2   |     | 19:32 | 22.16 |       |         | HSA | SZ   | 70  | EP  | 3   |    | 19:32 | 15.42 |       |         | HTL | SZ | 58  | IP  |     | C   | 19:32 | 13.64 |       |        | HTL | SN   | 58  | AML |     |     | 19:32 | 22.60 |       | 11 0.47 | HTL | SE   | 58  | ES | 2 |   | 19:32 | 20.58 |  | 16 0.21 | HTL | SE | 58  | AML |   |   | 19:32 | 22.36 |  | 16 0.21 |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| STAT  | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HGH   | SZ | 81   | EP   | 2  |       | 19:32 | 17.09 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCH   | SZ | 104  | EP   | 3  |       | 19:32 | 20.66 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCH   | SE | 104  | ES   | 3  |       | 19:32 | 32.40 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCH   | SN | 104  | ES   | 3  |       | 19:32 | 32.85 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCH   | SE | 104  | AML  |    |       | 19:32 | 33.16 |      | 6 0.32  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCH   | SN | 104  | AML  |    |       | 19:32 | 38.22 |      | 7 0.19  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HAE   | SZ | 125  | EP   | 2  |       | 19:32 | 24.31 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| SSP   | SZ | 144  | EP   | 1  | C     | 19:32 | 27.16 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| SSP   | SN | 144  | AML  |    |       | 19:32 | 46.47 |      | 9 0.21  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| SSP   | SE | 144  | AML  |    |       | 19:32 | 47.12 |      | 8 0.28  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX   | SZ | 14   | IP   |    | C     | 19:32 | 06.77 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX   | SZ | 14   | ES   | 3  |       | 19:32 | 08.69 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HPE   | SZ | 112  | EP   | 2  |       | 19:32 | 22.16 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HSA   | SZ | 70   | EP   | 3  |       | 19:32 | 15.42 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HTL   | SZ | 58   | IP   |    | C     | 19:32 | 13.64 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HTL   | SN | 58   | AML  |    |       | 19:32 | 22.60 |      | 11 0.47 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HTL   | SE | 58   | ES   | 2  |       | 19:32 | 20.58 |      | 16 0.21 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HTL   | SE | 58   | AML  |    |       | 19:32 | 22.36 |      | 16 0.21 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>September 3 2003</b><br><b>Lat: 56.256N</b><br><b>Grid Ref: 292.72 kmE 708.41 kmN</b><br><b>Locality: BLACKFORD,TAYSIDE</b><br><b>Comment: FELT BLACKFORD</b>  |    |      |      |    |       |       |       |      |         | <b>Time: 21:29 07.0 UTC</b><br><b>Lon: -3.732W</b><br><b>RMS: 0.02 secs</b><br><b>Quality: C</b><br><b>Intensity: 3+</b> |    | <b>Magnitude: 2.2 ML</b><br><b>Depth: 7.4 km</b><br><b>RMS: 0.02 secs</b><br><b>Quality: C</b><br><b>Intensity: 3+</b>  |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th> </tr> </thead> <tbody> <tr><td>EBH</td><td>SZ</td><td>14</td><td>IP</td><td></td><td>C</td><td>21:29</td><td>09.98</td><td></td><td></td></tr> <tr><td>EAB</td><td>SZ</td><td>38</td><td>IP</td><td></td><td>C</td><td>21:29</td><td>13.78</td><td></td><td></td></tr> <tr><td>EAU</td><td>SZ</td><td>49</td><td>EP</td><td>2</td><td></td><td>21:29</td><td>15.51</td><td></td><td></td></tr> <tr><td>EDI</td><td>SZ</td><td>50</td><td>EP</td><td>2</td><td></td><td>21:29</td><td>15.65</td><td></td><td></td></tr> <tr><td>EDI</td><td>SE</td><td>50</td><td>ES</td><td>2</td><td></td><td>21:29</td><td>21.90</td><td></td><td></td></tr> <tr><td>EDI</td><td>SE</td><td>50</td><td>AML</td><td></td><td></td><td>21:29</td><td>22.20</td><td></td><td>63 0.25</td></tr> </tbody> </table>   |    |      |      |    |       |       |       |      |         | STAT   | CO | DIST  | PHAS | WT | P | HrMn | SECS | AMPL | PERI | EBH | SZ | 14 | IP |    | C   | 21:29 | 09.98 |       |  | EAB | SZ   | 38  | IP |     | C  | 21:29 | 13.78 |       |  | EAU | SZ | 49  | EP  | 2   |    | 21:29 | 15.51 |       |         | EDI | SZ | 50  | EP  | 2   |    | 21:29 | 15.65 |       |         | EDI | SE | 50  | ES  | 2   |    | 21:29 | 21.90 |       |         | EDI | SE | 50  | AML |     |    | 21:29 | 22.20 |       | 63 0.25 |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| STAT  | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EBH   | SZ | 14   | IP   |    | C     | 21:29 | 09.98 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EAB   | SZ | 38   | IP   |    | C     | 21:29 | 13.78 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EAU   | SZ | 49   | EP   | 2  |       | 21:29 | 15.51 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EDI   | SZ | 50   | EP   | 2  |       | 21:29 | 15.65 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EDI   | SE | 50   | ES   | 2  |       | 21:29 | 21.90 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EDI   | SE | 50   | AML  |    |       | 21:29 | 22.20 |      | 63 0.25 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>September 14 2003</b><br><b>Lat: 49.778N</b><br><b>Grid Ref: 126.85 kmE -6.55 kmN</b><br><b>Locality: OFF LAND'S END,CORNWALL</b><br><b>Comment: 30KM SW OF LAND'S END</b>   |    |      |      |    |       |       |       |      |         | <b>Time: 13:02 33.7 UTC</b><br><b>Lon: -5.795W</b><br><b>RMS: 0.04 secs</b><br><b>Quality: D</b>                         |    | <b>Magnitude: 1.0 ML</b><br><b>Depth: 3.2 km</b><br><b>RMS: 0.04 secs</b><br><b>Quality: D</b>  |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th> </tr> </thead> <tbody> <tr><td>CCO</td><td>SZ</td><td>59</td><td>EP</td><td>2</td><td></td><td>13:02</td><td>44.01</td><td></td><td></td></tr> <tr><td>CCA</td><td>SZ</td><td>61</td><td>EP</td><td>2</td><td></td><td>13:02</td><td>44.46</td><td></td><td></td></tr> <tr><td>CR2</td><td>SZ</td><td>62</td><td>EP</td><td></td><td></td><td>13:02</td><td>44.64</td><td></td><td></td></tr> <tr><td>CR2</td><td>SE</td><td>62</td><td>ES</td><td>2</td><td></td><td>13:02</td><td>52.88</td><td></td><td></td></tr> <tr><td>CR2</td><td>SE</td><td>62</td><td>AML</td><td></td><td></td><td>13:02</td><td>55.64</td><td></td><td>10 0.11</td></tr> <tr><td>CR2</td><td>SN</td><td>62</td><td>AML</td><td></td><td></td><td>13:02</td><td>55.64</td><td></td><td>10 0.07</td></tr> <tr><td>CBW</td><td>SZ</td><td>64</td><td>EP</td><td>2</td><td></td><td>13:02</td><td>44.83</td><td></td><td></td></tr> <tr><td>CST</td><td>SZ</td><td>65</td><td>EP</td><td>2</td><td></td><td>13:02</td><td>45.07</td><td></td><td></td></tr> <tr><td>CGH</td><td>SZ</td><td>55</td><td>EP</td><td>2</td><td></td><td>13:02</td><td>43.17</td><td></td><td></td></tr> <tr><td>CPZ</td><td>SZ</td><td>45</td><td>EP</td><td>2</td><td></td><td>13:02</td><td>41.53</td><td></td><td></td></tr> </tbody> </table>   |    |      |      |    |       |       |       |      |         | STAT   | CO | DIST  | PHAS | WT | P | HrMn | SECS | AMPL | PERI | CCO | SZ | 59 | EP | 2  |     | 13:02 | 44.01 |       |  | CCA | SZ   | 61  | EP | 2   |    | 13:02 | 44.46 |       |  | CR2 | SZ | 62  | EP  |     |    | 13:02 | 44.64 |       |         | CR2 | SE | 62  | ES  | 2   |    | 13:02 | 52.88 |       |         | CR2 | SE | 62  | AML |     |    | 13:02 | 55.64 |       | 10 0.11 | CR2 | SN | 62  | AML |     |    | 13:02 | 55.64 |       | 10 0.07 | CBW | SZ | 64  | EP  | 2   |     | 13:02 | 44.83 |       |        | CST | SZ   | 65  | EP  | 2   |     | 13:02 | 45.07 |       |        | CGH | SZ   | 55  | EP  | 2   |    | 13:02 | 43.17 |       |        | CPZ | SZ | 45  | EP  | 2   |    | 13:02 | 41.53 |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| STAT  | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CCO   | SZ | 59   | EP   | 2  |       | 13:02 | 44.01 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CCA   | SZ | 61   | EP   | 2  |       | 13:02 | 44.46 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CR2   | SZ | 62   | EP   |    |       | 13:02 | 44.64 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CR2   | SE | 62   | ES   | 2  |       | 13:02 | 52.88 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CR2   | SE | 62   | AML  |    |       | 13:02 | 55.64 |      | 10 0.11 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CR2   | SN | 62   | AML  |    |       | 13:02 | 55.64 |      | 10 0.07 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CBW   | SZ | 64   | EP   | 2  |       | 13:02 | 44.83 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CST   | SZ | 65   | EP   | 2  |       | 13:02 | 45.07 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CGH   | SZ | 55   | EP   | 2  |       | 13:02 | 43.17 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CPZ   | SZ | 45   | EP   | 2  |       | 13:02 | 41.53 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>September 15 2003</b><br><b>Lat: 56.177N</b><br><b>Grid Ref: 248.04 kmE 700.99 kmN</b><br><b>Locality: ABERFOYLE,CENTRAL</b><br><b>Comment: FELT ABERFOYLE</b>   |    |      |      |    |       |       |       |      |         | <b>Time: 08:00 48.5 UTC</b><br><b>Lon: -4.448W</b><br><b>RMS: 0.09 secs</b><br><b>Quality: C</b><br><b>Intensity: 3+</b> |    | <b>Magnitude: 2.2 ML</b><br><b>Depth: 4.6 km</b><br><b>RMS: 0.09 secs</b><br><b>Quality: C</b><br><b>Intensity: 3+</b>  |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th> </tr> </thead> <tbody> <tr><td>EAB</td><td>SZ</td><td>7</td><td>IP</td><td></td><td>D</td><td>08:00</td><td>50.21</td><td></td><td></td></tr> <tr><td>PCO</td><td>SZ</td><td>30</td><td>IP</td><td></td><td>C</td><td>08:00</td><td>54.10</td><td></td><td></td></tr> <tr><td>PCO</td><td>SZ</td><td>30</td><td>ES</td><td>3</td><td></td><td>08:00</td><td>57.91</td><td></td><td></td></tr> <tr><td>POB</td><td>SZ</td><td>37</td><td>EP</td><td>2</td><td></td><td>08:00</td><td>55.21</td><td></td><td></td></tr> <tr><td>PMS</td><td>SZ</td><td>41</td><td>EP</td><td>1</td><td>D</td><td>08:00</td><td>55.90</td><td></td><td></td></tr> <tr><td>PMS</td><td>SZ</td><td>41</td><td>ES</td><td>3</td><td></td><td>08:01</td><td>01.27</td><td></td><td></td></tr> <tr><td>PCA</td><td>SZ</td><td>54</td><td>IP</td><td></td><td>D</td><td>08:00</td><td>58.08</td><td></td><td></td></tr> <tr><td>PCA</td><td>SZ</td><td>54</td><td>ES</td><td>3</td><td></td><td>08:01</td><td>04.28</td><td></td><td></td></tr> <tr><td>ELO</td><td>SZ</td><td>56</td><td>EP</td><td>2</td><td></td><td>08:00</td><td>58.14</td><td></td><td></td></tr> <tr><td>EAU</td><td>SZ</td><td>73</td><td>EP</td><td>2</td><td></td><td>08:01</td><td>00.97</td><td></td><td></td></tr> <tr><td>EDI</td><td>SZ</td><td>83</td><td>EP</td><td>2</td><td></td><td>08:01</td><td>02.83</td><td></td><td></td></tr> <tr><td>EDI</td><td>SN</td><td>83</td><td>ES</td><td>2</td><td></td><td>08:01</td><td>12.66</td><td></td><td></td></tr> <tr><td>EDI</td><td>SE</td><td>83</td><td>AML</td><td></td><td></td><td>08:01</td><td>14.93</td><td></td><td>87 0.33</td></tr> <tr><td>EDI</td><td>SN</td><td>83</td><td>AML</td><td></td><td></td><td>08:01</td><td>19.18</td><td></td><td>86 0.39</td></tr> <tr><td>EDU</td><td>SZ</td><td>98</td><td>EP</td><td>2</td><td></td><td>08:01</td><td>04.77</td><td></td><td></td></tr> <tr><td>EBL</td><td>SZ</td><td>99</td><td>EP</td><td>2</td><td></td><td>08:01</td><td>04.15</td><td></td><td></td></tr> <tr><td>KSB</td><td>SZ</td><td>130</td><td>EP</td><td>1</td><td>C</td><td>08:01</td><td>10.37</td><td></td><td></td></tr> <tr><td>KAR</td><td>SZ</td><td>119</td><td>IP</td><td></td><td>C</td><td>08:01</td><td>08.74</td><td></td><td></td></tr> <tr><td>KPL</td><td>SZ</td><td>149</td><td>EP</td><td>2</td><td></td><td>08:01</td><td>13.66</td><td></td><td></td></tr> <tr><td>KPL</td><td>SN</td><td>149</td><td>AML</td><td></td><td></td><td>08:01</td><td>33.97</td><td></td><td>40 0.34</td></tr> <tr><td>KPL</td><td>SE</td><td>149</td><td>ES</td><td>2</td><td></td><td>08:01</td><td>31.19</td><td></td><td></td></tr> <tr><td>KPL</td><td>SE</td><td>149</td><td>AML</td><td></td><td></td><td>08:01</td><td>34.07</td><td></td><td>77 0.64</td></tr> </tbody> </table> |    |      |      |    |       |       |       |      |         | STAT   | CO | DIST  | PHAS | WT | P | HrMn | SECS | AMPL | PERI | EAB | SZ | 7  | IP |    | D   | 08:00 | 50.21 |       |  | PCO | SZ   | 30  | IP |     | C  | 08:00 | 54.10 |       |  | PCO | SZ | 30  | ES  | 3   |    | 08:00 | 57.91 |       |         | POB | SZ | 37  | EP  | 2   |    | 08:00 | 55.21 |       |         | PMS | SZ | 41  | EP  | 1   | D  | 08:00 | 55.90 |       |         | PMS | SZ | 41  | ES  | 3   |    | 08:01 | 01.27 |       |         | PCA | SZ | 54  | IP  |     | D   | 08:00 | 58.08 |       |        | PCA | SZ   | 54  | ES  | 3   |     | 08:01 | 04.28 |       |        | ELO | SZ   | 56  | EP  | 2   |    | 08:00 | 58.14 |       |        | EAU | SZ | 73  | EP  | 2   |    | 08:01 | 00.97 |       |        | EDI | SZ | 83  | EP | 2   |    | 08:01 | 02.83 |       |  | EDI | SN | 83  | ES | 2   |     | 08:01 | 12.66 |       |  | EDI | SE   | 83  | AML |     |     | 08:01 | 14.93 |       | 87 0.33 | EDI | SN   | 83  | AML |     |    | 08:01 | 19.18 |       | 86 0.39 | EDU | SZ | 98  | EP  | 2   |     | 08:01 | 04.77 |       |        | EBL | SZ   | 99  | EP  | 2   |     | 08:01 | 04.15 |       |         | KSB | SZ   | 130 | EP | 1 | C | 08:01 | 10.37 |  |         | KAR | SZ | 119 | IP  |   | C | 08:01 | 08.74 |  |         | KPL | SZ | 149 | EP | 2 |  | 08:01 | 13.66 |  |  | KPL | SN | 149 | AML |   |  | 08:01 | 33.97 |  | 40 0.34 | KPL | SE | 149 | ES | 2 |  | 08:01 | 31.19 |  |  | KPL | SE | 149 | AML |  |  | 08:01 | 34.07 |  | 77 0.64 |  |  |  |  |  |  |  |  |  |  |  |  |
| STAT  | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EAB   | SZ | 7    | IP   |    | D     | 08:00 | 50.21 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| PCO   | SZ | 30   | IP   |    | C     | 08:00 | 54.10 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| PCO   | SZ | 30   | ES   | 3  |       | 08:00 | 57.91 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| POB   | SZ | 37   | EP   | 2  |       | 08:00 | 55.21 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| PMS   | SZ | 41   | EP   | 1  | D     | 08:00 | 55.90 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| PMS   | SZ | 41   | ES   | 3  |       | 08:01 | 01.27 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| PCA   | SZ | 54   | IP   |    | D     | 08:00 | 58.08 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| PCA   | SZ | 54   | ES   | 3  |       | 08:01 | 04.28 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| ELO   | SZ | 56   | EP   | 2  |       | 08:00 | 58.14 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EAU   | SZ | 73   | EP   | 2  |       | 08:01 | 00.97 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EDI   | SZ | 83   | EP   | 2  |       | 08:01 | 02.83 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EDI   | SN | 83   | ES   | 2  |       | 08:01 | 12.66 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EDI   | SE | 83   | AML  |    |       | 08:01 | 14.93 |      | 87 0.33 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EDI   | SN | 83   | AML  |    |       | 08:01 | 19.18 |      | 86 0.39 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EDU   | SZ | 98   | EP   | 2  |       | 08:01 | 04.77 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| EBL   | SZ | 99   | EP   | 2  |       | 08:01 | 04.15 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KSB   | SZ | 130  | EP   | 1  | C     | 08:01 | 10.37 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KAR   | SZ | 119  | IP   |    | C     | 08:01 | 08.74 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KPL   | SZ | 149  | EP   | 2  |       | 08:01 | 13.66 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KPL   | SN | 149  | AML  |    |       | 08:01 | 33.97 |      | 40 0.34 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KPL   | SE | 149  | ES   | 2  |       | 08:01 | 31.19 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| KPL   | SE | 149  | AML  |    |       | 08:01 | 34.07 |      | 77 0.64 |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>September 16 2003</b><br><b>Lat: 51.249N</b><br><b>Grid Ref: 197.79 kmE 153.97 kmN</b><br><b>Locality: BRISTOL CHANNEL</b><br><b>Comment: OFF LUNDY ISLAND</b>   |    |      |      |    |       |       |       |      |         | <b>Time: 00:11 26.3 UTC</b><br><b>Lon: -4.898W</b><br><b>RMS: 0.39 secs</b><br><b>Quality: D</b>                         |    | <b>Magnitude: 0.8 ML</b><br><b>Depth: 7.4 km</b><br><b>RMS: 0.39 secs</b><br><b>Quality: D</b>  |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th> </tr> </thead> <tbody> <tr><td>HTL</td><td>SN</td><td>41</td><td>ES</td><td>2</td><td></td><td>00:11</td><td>38.47</td><td></td><td></td></tr> <tr><td>HTL</td><td>SN</td><td>41</td><td>E</td><td></td><td></td><td>00:11</td><td>38.47</td><td></td><td></td></tr> <tr><td>HTL</td><td>SN</td><td>41</td><td>AML</td><td></td><td></td><td>00:11</td><td>38.83</td><td></td><td>6 0.27</td></tr> <tr><td>HTL</td><td>SE</td><td>41</td><td>AML</td><td></td><td></td><td>00:11</td><td>40.24</td><td></td><td>5 0.28</td></tr> <tr><td>HEX</td><td>SZ</td><td>79</td><td>EP</td><td>2</td><td></td><td>00:11</td><td>39.09</td><td></td><td></td></tr> <tr><td>DYA</td><td>SZ</td><td>113</td><td>EP</td><td>3</td><td></td><td>00:11</td><td>45.18</td><td></td><td></td></tr> <tr><td>DYA</td><td>SN</td><td>113</td><td>ES</td><td>3</td><td></td><td>00:11</td><td>59.29</td><td></td><td></td></tr> <tr><td>DYA</td><td>SN</td><td>113</td><td>AML</td><td></td><td></td><td>00:12</td><td>01.78</td><td></td><td>3 0.32</td></tr> <tr><td>DYA</td><td>SE</td><td>113</td><td>AML</td><td></td><td></td><td>00:12</td><td>01.79</td><td></td><td>2 0.25</td></tr> <tr><td>CCA</td><td>SZ</td><td>120</td><td>EP</td><td>2</td><td></td><td>00:11</td><td>45.94</td><td></td><td></td></tr> <tr><td>CCA</td><td>SZ</td><td>120</td><td>ES</td><td>3</td><td></td><td>00:11</td><td>59.44</td><td></td><td></td></tr> <tr><td>CR2</td><td>SZ</td><td>122</td><td>EP</td><td>3</td><td></td><td>00:11</td><td>45.97</td><td></td><td></td></tr> <tr><td>CR2</td><td>SE</td><td>122</td><td>ES</td><td>2</td><td></td><td>00:11</td><td>59.97</td><td></td><td></td></tr> <tr><td>CR2</td><td>SE</td><td>122</td><td>AML</td><td></td><td></td><td>00:12</td><td>01.09</td><td></td><td>7 0.17</td></tr> <tr><td>CR2</td><td>SN</td><td>122</td><td>AML</td><td></td><td></td><td>00:12</td><td>01.57</td><td></td><td>2 0.21</td></tr> <tr><td>CBW</td><td>SZ</td><td>123</td><td>EP</td><td>2</td><td></td><td>00:11</td><td>46.39</td><td></td><td></td></tr> <tr><td>CCO</td><td>SZ</td><td>126</td><td>EP</td><td>2</td><td></td><td>00:11</td><td>46.61</td><td></td><td></td></tr> <tr><td>DCO</td><td>SZ</td><td>126</td><td>EP</td><td>2</td><td></td><td>00:11</td><td>47.36</td><td></td><td></td></tr> <tr><td>CPZ</td><td>SZ</td><td>131</td><td>EP</td><td>3</td><td></td><td>00:11</td><td>47.36</td><td></td><td></td></tr> <tr><td>CGH</td><td>SZ</td><td>135</td><td>ES</td><td>3</td><td></td><td>00:12</td><td>04.10</td><td></td><td></td></tr> </tbody> </table>   |    |      |      |    |       |       |       |      |         | STAT   | CO | DIST  | PHAS | WT | P | HrMn | SECS | AMPL | PERI | HTL | SN | 41 | ES | 2  |     | 00:11 | 38.47 |       |  | HTL | SN   | 41  | E  |     |    | 00:11 | 38.47 |       |  | HTL | SN | 41  | AML |     |    | 00:11 | 38.83 |       | 6 0.27  | HTL | SE | 41  | AML |     |    | 00:11 | 40.24 |       | 5 0.28  | HEX | SZ | 79  | EP  | 2   |    | 00:11 | 39.09 |       |         | DYA | SZ | 113 | EP  | 3   |    | 00:11 | 45.18 |       |         | DYA | SN | 113 | ES  | 3   |     | 00:11 | 59.29 |       |        | DYA | SN   | 113 | AML |     |     | 00:12 | 01.78 |       | 3 0.32 | DYA | SE   | 113 | AML |     |    | 00:12 | 01.79 |       | 2 0.25 | CCA | SZ | 120 | EP  | 2   |    | 00:11 | 45.94 |       |        | CCA | SZ | 120 | ES | 3   |    | 00:11 | 59.44 |       |  | CR2 | SZ | 122 | EP | 3   |     | 00:11 | 45.97 |       |  | CR2 | SE   | 122 | ES  | 2   |     | 00:11 | 59.97 |       |         | CR2 | SE   | 122 | AML |     |    | 00:12 | 01.09 |       | 7 0.17  | CR2 | SN | 122 | AML |     |     | 00:12 | 01.57 |       | 2 0.21 | CBW | SZ   | 123 | EP  | 2   |     | 00:11 | 46.39 |       |         | CCO | SZ   | 126 | EP | 2 |   | 00:11 | 46.61 |  |         | DCO | SZ | 126 | EP  | 2 |   | 00:11 | 47.36 |  |         | CPZ | SZ | 131 | EP | 3 |  | 00:11 | 47.36 |  |  | CGH | SZ | 135 | ES  | 3 |  | 00:12 | 04.10 |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| STAT  | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HTL   | SN | 41   | ES   | 2  |       | 00:11 | 38.47 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HTL   | SN | 41   | E    |    |       | 00:11 | 38.47 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HTL   | SN | 41   | AML  |    |       | 00:11 | 38.83 |      | 6 0.27  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HTL   | SE | 41   | AML  |    |       | 00:11 | 40.24 |      | 5 0.28  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HEX   | SZ | 79   | EP   | 2  |       | 00:11 | 39.09 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| DYA   | SZ | 113  | EP   | 3  |       | 00:11 | 45.18 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| DYA   | SN | 113  | ES   | 3  |       | 00:11 | 59.29 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| DYA   | SN | 113  | AML  |    |       | 00:12 | 01.78 |      | 3 0.32  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| DYA   | SE | 113  | AML  |    |       | 00:12 | 01.79 |      | 2 0.25  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CCA   | SZ | 120  | EP   | 2  |       | 00:11 | 45.94 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CCA   | SZ | 120  | ES   | 3  |       | 00:11 | 59.44 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CR2   | SZ | 122  | EP   | 3  |       | 00:11 | 45.97 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CR2   | SE | 122  | ES   | 2  |       | 00:11 | 59.97 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CR2   | SE | 122  | AML  |    |       | 00:12 | 01.09 |      | 7 0.17  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CR2   | SN | 122  | AML  |    |       | 00:12 | 01.57 |      | 2 0.21  |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CBW   | SZ | 123  | EP   | 2  |       | 00:11 | 46.39 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CCO   | SZ | 126  | EP   | 2  |       | 00:11 | 46.61 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| DCO   | SZ | 126  | EP   | 2  |       | 00:11 | 47.36 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CPZ   | SZ | 131  | EP   | 3  |       | 00:11 | 47.36 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| CGH   | SZ | 135  | ES   | 3  |       | 00:12 | 04.10 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>September 19 2003</b><br><b>Lat: 51.851N</b><br><b>Grid Ref: 365.99 kmE 217.10 kmN</b><br><b>Locality: DRYBROOK,GLOUCS</b>   |    |      |      |    |       |       |       |      |         | <b>Time: 09:04 56.9 UTC</b><br><b>Lon: -2.494W</b><br><b>RMS: 0.08 secs</b><br><b>Quality: C</b>                         |    | <b>Magnitude: 1.9 ML</b><br><b>Depth: 8.8 km</b><br><b>RMS: 0.08 secs</b><br><b>Quality: C</b>  |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th> </tr> </thead> <tbody> <tr><td>HAE</td><td>SZ</td><td>21</td><td>IP</td><td></td><td>C</td><td>09:05</td><td>01.04</td><td></td><td></td></tr> <tr><td>HGH</td><td>SZ</td><td>32</td><td>IP</td><td></td><td>C</td><td>09:05</td><td>02.74</td><td></td><td></td></tr> <tr><td>MCH</td><td>SZ</td><td>38</td><td>IP</td><td></td><td>C</td><td>09:05</td><td>03.73</td><td></td><td></td></tr> </tbody> </table>  |    |      |      |    |       |       |       |      |         | STAT   | CO | DIST  | PHAS | WT | P | HrMn | SECS | AMPL | PERI | HAE | SZ | 21 | IP |    | C   | 09:05 | 01.04 |       |  | HGH | SZ   | 32  | IP |     | C  | 09:05 | 02.74 |       |  | MCH | SZ | 38  | IP  |     | C  | 09:05 | 03.73 |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| STAT  | CO | DIST | PHAS | WT | P     | HrMn  | SECS  | AMPL | PERI    |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HAE   | SZ | 21   | IP   |    | C     | 09:05 | 01.04 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| HGH   | SZ | 32   | IP   |    | C     | 09:05 | 02.74 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
| MCH   | SZ | 38   | IP   |    | C     | 09:05 | 03.73 |      |         |  |    |   |      |    |   |      |      |      |      |     |    |    |    |    |     |       |       |       |  |     |      |     |    |     |    |       |       |       |  |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |        |     |      |     |     |     |    |       |       |       |        |     |    |     |     |     |    |       |       |       |        |     |    |     |    |     |    |       |       |       |  |     |    |     |    |     |     |       |       |       |  |     |      |     |     |     |     |       |       |       |         |     |      |     |     |     |    |       |       |       |         |     |    |     |     |     |     |       |       |       |        |     |      |     |     |     |     |       |       |       |         |     |      |     |    |   |   |       |       |  |         |     |    |     |     |   |   |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |   |  |       |       |  |         |     |    |     |    |   |  |       |       |  |  |     |    |     |     |  |  |       |       |  |         |  |  |  |  |  |  |  |  |  |  |  |  |











## TABLE 2: PHASE DATA 2003

|     |    |     |     |   |       |       |     |      |
|-----|----|-----|-----|---|-------|-------|-----|------|
| FTO | SN | 498 | ES  | 3 | 04:30 | 15.63 |     |      |
| FTO | SN | 498 | AML |   | 04:30 | 16.57 | 32  | 0.39 |
| FTO | SE | 498 | AML |   | 04:30 | 17.87 | 32  | 0.55 |
| MCD | SZ | 563 | EP  | 3 | 04:29 | 35.79 |     |      |
| MCD | SN | 563 | ES  | 3 | 04:30 | 29.03 |     |      |
| MCD | SE | 563 | AML |   | 04:30 | 31.11 | 173 | 0.47 |
| MCD | SN | 563 | AML |   | 04:30 | 31.68 | 176 | 0.11 |
| MVH | SZ | 565 | EP  | 3 | 04:29 | 35.97 |     |      |
| MDO | SZ | 614 | EP  | 3 | 04:29 | 41.94 |     |      |
| ELO | SZ | 683 | EP  | 3 | 04:29 | 50.84 |     |      |
| ESY | SZ | 709 | EP  | 3 | 04:29 | 54.56 |     |      |
| EDI | SZ | 723 | EP  | 3 | 04:29 | 56.03 |     |      |
| EDI | SE | 723 | ES  | 3 | 04:31 | 03.26 |     |      |
| EDI | SN | 723 | AML |   | 04:31 | 07.89 | 63  | 0.18 |
| EDI | SE | 723 | AML |   | 04:31 | 08.56 | 74  | 0.38 |
| EAB | SZ | 730 | EP  | 3 | 04:29 | 56.41 |     |      |
| EAU | SZ | 738 | EP  | 3 | 04:29 | 57.65 |     |      |
| PCO | SZ | 742 | EP  | 3 | 04:29 | 58.07 |     |      |
| PMS | SZ | 776 | EP  | 3 | 04:30 | 01.83 |     |      |

December 18 2003      Time: 07:49 35.5 UTC      Magnitude: 1.0 ML  
 Lat: 56.179N      Lon: -4.232W      Depth: 4.3 km  
 Grid Ref: 261.48 kmE 700.68 kmN      RMS: 0.08 secs  
 Locality: THORNHILL,CENTRAL      Quality: B  
 Comment: 5KM W OF THORNHILL

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| EAB  | SZ | 7    | IP   |    | C | 07:49 | 37.22 |      |      |
| EAB  | SZ | 7    | ES   | 3  |   | 07:49 | 38.31 |      |      |
| PCO  | SZ | 23   | IP   |    | C | 07:49 | 39.81 |      |      |
| PCO  | SZ | 23   | ES   | 3  |   | 07:49 | 43.16 |      |      |
| ELO  | SZ | 46   | IP   |    | C | 07:49 | 43.67 |      |      |
| PMS  | SZ | 49   | IP   |    | D | 07:49 | 44.26 |      |      |
| PMS  | SZ | 49   | ES   | 3  |   | 07:49 | 50.44 |      |      |
| PCA  | SZ | 53   | IP   |    | D | 07:49 | 44.80 |      |      |
| EAU  | SZ | 61   | IP   |    | C | 07:49 | 46.19 |      |      |
| EDI  | SZ | 71   | EP   | 2  |   | 07:49 | 47.95 |      |      |
| EDI  | SN | 71   | ES   | 2  |   | 07:49 | 56.32 |      |      |
| EDI  | SE | 71   | AML  |    |   | 07:50 | 01.47 | 9    | 0.30 |
| EDI  | SN | 71   | AML  |    |   | 07:50 | 02.41 | 8    | 0.33 |

December 18 2003      Time: 12:41 25.6 UTC      Magnitude: 1.3 ML  
 Lat: 56.180N      Lon: -4.232W      Depth: 4.2 km  
 Grid Ref: 261.50 kmE 700.81 kmN      RMS: 0.07 secs  
 Locality: THORNHILL,CENTRAL      Quality: B  
 Comment: 5KM W OF THORNHILL

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| EAB  | SZ | 7    | IP   |    | C | 12:41 | 27.32 |      |      |
| EAB  | SZ | 7    | ES   |    |   | 12:41 | 28.40 |      |      |
| PCO  | SZ | 23   | IP   |    | C | 12:41 | 29.96 |      |      |
| ELO  | SZ | 46   | IP   |    | C | 12:41 | 33.77 |      |      |
| PMS  | SZ | 49   | IP   |    | D | 12:41 | 34.38 |      |      |
| PMS  | SZ | 49   | ES   | 3  |   | 12:41 | 40.52 |      |      |
| PCA  | SZ | 53   | IP   |    | D | 12:41 | 34.95 |      |      |
| EAU  | SZ | 62   | IP   |    | C | 12:41 | 36.28 |      |      |
| EDI  | SZ | 71   | EP   | 2  |   | 12:41 | 37.95 |      |      |
| EDI  | BZ | 71   | EP   | 2  |   | 12:41 | 37.98 |      |      |
| EDI  | BN | 71   | ES   | 2  |   | 12:41 | 46.44 |      |      |
| EDI  | BE | 71   | AML  |    |   | 12:41 | 46.71 | 17   | 0.31 |
| EDI  | BN | 71   | AML  |    |   | 12:41 | 52.48 | 14   | 0.31 |

December 25 2003      Time: 22:13 36.6 UTC      Magnitude: 1.7 ML  
 Lat: 51.203N      Lon: -3.725W      Depth: 2.5 km  
 Grid Ref: 279.52 kmE 146.34 kmN      RMS: 0.15 secs  
 Locality: LYNTON,DEVON      Quality: C  
 Comment: 7KM SE OF LYNTON

| STAT | CO | DIST | PHAS | WT | P | HrMn  | SECS  | AMPL | PERI |
|------|----|------|------|----|---|-------|-------|------|------|
| MCH  | SE | 102  | AML  |    |   | 22:14 | 06.23 | 15   | 0.30 |
| MCH  | SN | 102  | AML  |    |   | 22:14 | 11.31 | 20   | 0.23 |
| SWK  | SZ | 104  | EP   | 2  |   | 22:13 | 54.30 |      |      |
| HPE  | SZ | 109  | EP   | 3  |   | 22:13 | 55.22 |      |      |
| SSP  | SZ | 142  | EP   | 2  |   | 22:14 | 00.03 |      |      |
| HAE  | SZ | 124  | EP   | 2  |   | 22:13 | 57.36 |      |      |
| SSP  | SN | 142  | AML  |    |   | 22:14 | 19.54 | 21   | 0.17 |
| SSP  | SE | 142  | AML  |    |   | 22:14 | 20.20 | 17   | 0.27 |
| HTL  | SE | 58   | AML  |    |   | 22:13 | 56.58 | 47   | 0.36 |
| HTR  | SZ | 102  | EP   | 2  |   | 22:13 | 53.52 |      |      |
| MCH  | SE | 102  | ES   | 2  |   | 22:14 | 05.90 |      |      |
| MCH  | SZ | 102  | EP   | 2  |   | 22:13 | 53.60 |      |      |
| HGH  | SZ | 80   | IP   |    | C | 22:13 | 50.18 |      |      |
| SMD  | SZ | 71   | IP   |    | C | 22:13 | 48.88 |      |      |
| HTL  | SN | 58   | AML  |    |   | 22:13 | 56.62 | 30   | 0.24 |
| HTL  | SN | 58   | ES   | 2  |   | 22:13 | 54.42 |      |      |
| HTL  | SZ | 58   | IP   |    | C | 22:13 | 46.75 |      |      |
| HEX  | SZ | 16   | ES   | 3  |   | 22:13 | 41.84 |      |      |
| HEX  | SZ | 16   | IP   |    | C | 22:13 | 39.85 |      |      |

TABLE 3

## GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2003

| Code | Name                | Lat     | Lon     | KmE<br>(km) | KmN<br>(km) | Ht<br>(m) | Comp  |
|------|---------------------|---------|---------|-------------|-------------|-----------|-------|
| ABA  | BACONSTHORPE        | 52.8884 | 1.1453  | 611.58      | 337.00      | 74        | 1     |
| AEA  | EAST ANGLIA UNIV    | 52.6208 | 1.2403  | 619.30      | 307.53      | 45        | 3M    |
| AEU  | EAST ANGLIA         | 52.6202 | 1.2347  | 618.93      | 307.45      | 28        | SM    |
| APA  | PACKWAY             | 52.3006 | 1.4782  | 637.12      | 272.68      | 58        | 1     |
| AWH  | WHINBURGH           | 52.6297 | 0.9507  | 599.67      | 307.68      | 64        | 1R    |
| AWI  | WITTON              | 52.8319 | 1.4471  | 632.17      | 331.65      | 46        | 1     |
| BBH  | BRUNTSHEIL          | 55.1333 | -2.9299 | 340.72      | 582.50      | 216       | 1     |
| BBO  | BOTHEL              | 54.7367 | -3.2464 | 319.76      | 538.69      | 209       | 3     |
| BCC  | CHAPELCROSS         | 55.0153 | -3.2201 | 321.99      | 569.66      | 138       | 1SM   |
| BCM  | CHAPELCROSS MIC     | 55.0151 | -3.2212 | 321.92      | 569.64      | 78        | M     |
| BDL  | DOBCROSS HALL       | 54.8030 | -2.9385 | 339.68      | 545.76      | 157       | 1     |
| BHH  | HOWATS HILL         | 55.0931 | -3.2181 | 322.27      | 578.31      | 216       | 3     |
| BNA  | NEW ABBEY           | 54.9658 | -3.6242 | 296.03      | 564.68      | 28        | 1     |
| BTA  | TALKIN              | 54.9057 | -2.6844 | 356.12      | 557.00      | 279       | 3     |
| BWH  | WARDLAW             | 55.1758 | -3.6549 | 294.62      | 588.09      | 269       | 1     |
| CBW  | BUDOCK WATER        | 50.1482 | -5.1144 | 177.53      | 32.29       | 94        | 1     |
| CCA  | CARNMENELLIS        | 50.1866 | -5.2277 | 169.62      | 36.90       | 210       | 1     |
| CCO  | CONSTANTINE         | 50.1357 | -5.1957 | 171.66      | 31.14       | 168       | 1     |
| CDU  | DUNNERDALE          | 54.3362 | -3.1952 | 322.30      | 494.08      | 355       | 1     |
| CGH  | GOONHILLY           | 50.0507 | -5.1649 | 173.46      | 21.60       | 97        | 1     |
| CGW  | GWEEK               | 50.1006 | -5.2228 | 169.56      | 27.32       | 9         | 1     |
| CKE  | KESWICK             | 54.5877 | -3.1059 | 328.54      | 521.96      | 304       | 1     |
| CMA  | MANACCAN            | 50.0821 | -5.1274 | 176.29      | 24.98       | 42        | 1     |
| CPZ  | PENZANCE            | 50.1566 | -5.5828 | 144.12      | 34.72       | 199       | 1R    |
| CR2  | ROSEMANOWES 2       | 50.1667 | -5.1687 | 173.74      | 34.51       | 143       | 3     |
| CRQ  | ROSEMANOWES         | 50.1672 | -5.1726 | 173.46      | 34.57       | 156       | SM    |
| CSA  | ST AUSTELL          | 50.3527 | -4.8919 | 194.30      | 54.38       | 112       | 1     |
| CSF  | SCAFELL             | 54.4478 | -3.2430 | 319.41      | 506.55      | 540       | 1     |
| CSM  | SELLAFIELD MIC      | 54.4183 | -3.4913 | 303.24      | 503.58      | 50        | M     |
| CST  | STITHIANS           | 50.1952 | -5.1635 | 174.24      | 37.66       | 141       | 1     |
| CWF  | CHARNWOOD FST       | 52.7385 | -1.3076 | 446.74      | 315.91      | 203       | 3BB   |
| DCO  | COMBE FARM          | 50.3201 | -3.8721 | 266.74      | 48.43       | 117       | 1R    |
| DYA  | YADSWORTHY          | 50.4353 | -3.9310 | 262.88      | 61.34       | 292       | 3RMLG |
| EAB  | ABERFOYLE           | 56.1887 | -4.3373 | 254.97      | 702.02      | 279       | 1R    |
| EAU  | AUCHINOON           | 55.8454 | -3.4474 | 309.38      | 662.30      | 359       | 1R    |
| EBH  | BLACK HILL          | 56.2476 | -3.5084 | 306.54      | 707.13      | 375       | 1R    |
| EBL  | BROAD LAW           | 55.7723 | -3.0445 | 334.48      | 653.71      | 436       | 1R    |
| ECK  | CAULDKAINE HILL     | 55.1810 | -3.1292 | 328.10      | 588.00      | 351       | 1R    |
| EDI  | EDINBURGH           | 55.9233 | -3.1875 | 325.80      | 670.66      | 125       | 3BB   |
| EDR  | DRUMTOCHTY          | 56.9190 | -2.5393 | 367.17      | 780.97      | 401       | 1R    |
| EDU  | DUNDEE              | 56.5477 | -3.0110 | 337.85      | 739.97      | 421       | 1R    |
| ELO  | LOGIEALMOND         | 56.4703 | -3.7112 | 294.59      | 732.21      | 523       | 1R    |
| ESK  | ESKDALEMUIR         | 55.3165 | -3.2052 | 323.52      | 603.16      | 261       | 3RMLG |
| ESY  | STONEYPATH          | 55.9175 | -2.6141 | 361.62      | 669.55      | 337       | 1R    |
| FHV  | HALDARSVIK          | 62.2597 | -7.0984 | 135.46      | 1385.95     | 380       | 1R    |
| FSD  | SUDUROY             | 61.5701 | -6.7884 | 145.86      | 1308.06     | 480       | 1R    |
| FSV  | SVINOY              | 62.2598 | -6.3550 | 173.99      | 1383.14     | 430       | 1R    |
| FTO  | TORSHAVN            | 62.0199 | -6.8274 | 147.51      | 1358.21     | 325       | 3R    |
| FVA  | VAGAR               | 62.0575 | -7.3520 | 120.46      | 1364.55     | 430       | 1R    |
| GAL  | GALLOWAY            | 54.8664 | -4.7114 | 226.02      | 555.78      | 117       | 3MLG  |
| GCD  | CASTLE DOUGLAS      | 54.8630 | -3.9403 | 275.48      | 553.76      | 184       | 1R    |
| GCL  | CUSHENDALL          | 55.0783 | -6.1264 | 136.66      | 583.77      | 278       | 1R    |
| GIM  | ISLE OF MAN (North) | 54.2923 | -4.4672 | 239.44      | 491.35      | 346       | 3R    |
| GMK  | MULL OF KINTYRE     | 55.3458 | -5.5934 | 172.19      | 611.64      | 164       | 1R    |
| GMM  | MTNS OF MOURNE      | 54.2377 | -5.9498 | 142.66      | 489.67      | 155       | 1R    |
| HAE  | ALDERS END          | 52.0368 | -2.5434 | 362.73      | 237.79      | 260       | 1R    |
| HBL2 | BONNYLANDS          | 52.0508 | -3.0384 | 328.80      | 239.71      | 437       | SM    |
| HCG  | CRAIG GOCH          | 52.3231 | -3.6570 | 287.08      | 270.78      | 533       | 1R    |
| HEX  | EXMOOR              | 51.0664 | -3.8026 | 273.71      | 131.28      | 230       | 1R    |

**TABLE 3: continued**

| Code | Name            | Lat     | Lon     | KmE<br>(km) | KmN<br>(km) | Ht<br>(m) | Comp      |
|------|-----------------|---------|---------|-------------|-------------|-----------|-----------|
| HGH  | GRAY HILL       | 51.6379 | -2.8057 | 344.25      | 193.59      | 223       | 1R        |
| HLM  | LONG MYND       | 52.5184 | -2.8807 | 340.25      | 291.57      | 429       | 1         |
| HPE  | PEMBROKE        | 51.9372 | -4.7746 | 209.29      | 230.21      | 349       | 1R        |
| HPK  | HAVERAH PARK    | 53.9581 | -1.6241 | 424.66      | 451.42      | 233       | 3R        |
| HSA  | SWANSEA         | 51.7500 | -4.1532 | 251.38      | 207.94      | 293       | 1R        |
| HTL  | HARTLAND        | 50.9943 | -4.4849 | 225.64      | 124.66      | 86        | 3RMLGSMBB |
| HTR  | TREWERN HILL    | 52.0785 | -3.2679 | 313.12      | 243.04      | 337       | 1R        |
| JDC  | DAM (CREST)     | 49.1947 | -2.0469 |             |             | 39        | SM        |
| JDG  | DAM (GALLERY)   | 49.1947 | -2.0469 |             |             | 7         | SM        |
| JRS  | MAISON ST LOUIS | 49.1922 | -2.0922 |             |             | 56        | 3RLG      |
| JSA  | ST AUBINS       | 49.1878 | -2.1717 |             |             | 39        | 1R        |
| JVM  | VALLE D.L.MARE  | 49.2169 | -2.2067 |             |             | 64        | 1R        |
| KAC  | ACHNASHELLACH   | 57.4989 | -5.2988 | 202.36      | 850.19      | 206       | 1R        |
| KAR  | ARISAIG         | 56.9188 | -5.8290 | 166.98      | 787.34      | 186       | 1         |
| KBI  | BIRLEY GRANGE   | 53.2543 | -1.5279 | 431.49      | 373.17      | 272       | 1         |
| KEY  | KEYWORTH        | 52.8779 | -1.0757 | 462.20      | 331.59      | 59        | LG        |
| KEY2 | KEYWORTH (SM)   | 52.8790 | -1.0770 | 462.13      | 331.73      | 76        | SM        |
| KNR  | NEVIS RANGE     | 56.8219 | -4.9714 | 218.68      | 773.97      | 1147      | 1R        |
| KPL  | PLOCKTON        | 57.3391 | -5.6527 | 180.21      | 833.50      | 13        | 3RLGSM    |
| KSB  | SHIEL BRIDGE    | 57.2099 | -5.4214 | 193.40      | 818.40      | 417       | 1R        |
| KSK  | SCOVAL          | 57.4659 | -6.7002 | 118.21      | 851.46      | 265       | 1R        |
| KSY  | SYSTON          | 52.9642 | -0.5872 | 494.88      | 341.73      | 121       | 1R        |
| KTG  | TILBROOK GRNGE  | 52.3264 | -0.4019 | 508.90      | 271.06      | 83        | 1         |
| KUF  | UFFORD          | 52.6170 | -0.3907 | 508.94      | 303.39      | 38        | 1R        |
| KWE  | WEAVER FARM     | 53.0164 | -1.8412 | 410.65      | 346.61      | 328       | 1R        |
| LCP  | CASSOP          | 54.7370 | -1.4744 | 433.84      | 538.14      | 185       | 1R        |
| LDU  | LEEDS           | 53.8058 | -1.5540 | 429.37      | 434.51      | 74        | MLGSM     |
| LHO  | HOLMEFIRTH      | 53.5453 | -1.8548 | 409.62      | 405.44      | 462       | 1R        |
| LMI  | MILLOM          | 54.2206 | -3.3070 | 314.79      | 481.35      | 129       | 3R        |
| LMK  | MARKET RASEN    | 53.4569 | -0.3260 | 511.14      | 396.90      | 146       | 1R        |
| LRN  | RICHMOND        | 54.4165 | -1.8007 | 412.93      | 502.37      | 313       | 1R        |
| LRW  | LERWICK         | 60.1360 | -1.1779 | 445.66      | 1139.27     | 98        | 3RMLG     |
| LWH  | WHINNY NAB      | 54.3338 | -0.6717 | 486.36      | 493.97      | 277       | 1R        |
| MCD  | COLEBURN DISTIL | 57.5828 | -3.2541 | 325.02      | 855.42      | 293       | 3RMLGSM   |
| MCH  | MICHAELCHURCH   | 51.9974 | -2.9983 | 331.47      | 233.74      | 219       | BBSM      |
| MDO  | DOCHFOUR        | 57.4409 | -4.3633 | 258.17      | 841.39      | 415       | 1R        |
| MFI  | FISHRIE         | 57.6119 | -2.2956 | 382.34      | 858.00      | 232       | 1R        |
| MLA  | LATHERON        | 58.3055 | -3.3627 | 320.15      | 935.98      | 188       | 1         |
| MME  | MEIKLE CAIRN    | 57.3149 | -2.9647 | 341.90      | 825.32      | 475       | 1         |
| MVH  | ACHVAICH        | 57.9250 | -4.1825 | 270.75      | 894.90      | 185       | 1         |
| OBR  | BRABSTER        | 58.6142 | -3.1626 | 332.47      | 970.13      | 89        | 1R        |
| ODR  | DOUNREAY        | 58.5822 | -3.7256 | 299.68      | 967.27      | 100       | SM        |
| OHO  | HOY             | 58.8322 | -3.2465 | 328.05      | 994.48      | 172       | 1R        |
| ORE  | REAY            | 58.5480 | -3.7622 | 297.45      | 963.52      | 100       | 3RMLG     |
| OST  | STRONSAY        | 59.0860 | -2.5516 | 368.39      | 1022.20     | 21        | 1R        |
| OTO  | TONGUE          | 58.4953 | -4.3939 | 260.49      | 958.79      | 338       | 1R        |
| OWE  | WESTRAY         | 59.3180 | -3.0289 | 341.44      | 1048.36     | 87        | 1R        |
| PCA  | CARROT          | 55.7007 | -4.2550 | 258.30      | 647.55      | 302       | 1         |
| PCO  | CORRIE          | 55.9880 | -4.1002 | 269.00      | 679.21      | 267       | 1         |
| PGB  | GLENIFFERBRAES  | 55.8115 | -4.4837 | 244.38      | 660.37      | 199       | 3         |
| PMS  | MUIRSHIEL       | 55.8459 | -4.7452 | 228.15      | 664.82      | 351       | 1         |
| POB  | OBSERVATORY     | 55.8458 | -4.4299 | 247.88      | 664.06      | 34        | MLG       |
| RCR  | CAPE WRATH      | 58.6245 | -4.9987 | 225.90      | 974.58      | 100       | 1R        |
| REB  | EISG-BRACHAIDH  | 58.1194 | -5.2802 | 206.82      | 919.16      | 100       | 1R        |
| RFO  | FORSNAVAL       | 58.2133 | -7.0052 | 106.10      | 935.83      | 195       | 1R        |
| RRH  | RHENIGIDALE     | 57.9197 | -6.6881 | 122.43      | 901.86      | 103       | 1R        |
| RRR  | RUBHA REIDH     | 57.8577 | -5.8067 | 174.19      | 891.68      | 61        | 3RMLGSM   |
| RSC  | SCOURIE         | 58.3485 | -5.1683 | 214.61      | 944.33      | 60        | 1R        |
| RTO  | TOLSTA          | 58.3778 | -6.2092 | 153.95      | 950.93      | 74        | 1R        |
| SAN  | SANDWICK        | 60.0179 | -1.2392 | 442.41      | 1126.08     | 150       | 1         |

**TABLE 3: continued**

| Code | Name               | Lat     | Lon     | KmE<br>(km) | KmN<br>(km) | Ht<br>(m) | Comp   |
|------|--------------------|---------|---------|-------------|-------------|-----------|--------|
| SBD  | BRYN DU            | 52.9055 | -3.2585 | 315.37      | 335.01      | 489       | 1      |
| SFH  | HASELMERE          | 51.0604 | -0.6912 | 491.71      | 129.88      | 260       | 1      |
| SHSD | LERWICK            | 60.1360 | -1.1779 | 445.66      | 1139.27     | 98        | BBSM   |
| SIW  | ISLE OF WHITE      | 50.6711 | -1.3747 | 444.18      | 85.97       | 162       | 1      |
| SKP  | KOPHILL            | 51.7218 | -0.8096 | 482.22      | 203.29      | 212       | 1      |
| SMD  | MENDIPS            | 51.3083 | -2.7170 | 350.03      | 156.88      | 310       | 1      |
| SSP  | STONEYPOUND        | 52.4177 | -3.1119 | 324.39      | 280.59      | 428       | 3      |
| SSW  | STOW-ON-WOLD       | 51.9667 | -1.8499 | 410.31      | 229.86      | 291       | 1      |
| SWK  | WARMINSTER         | 51.1483 | -2.2471 | 382.72      | 138.87      | 266       | 1      |
| SWN  | SWINDON            | 51.5137 | -1.8007 | 413.83      | 179.49      | 192       | 3MLGSM |
| TBW  | BRENTWOOD          | 51.6549 | 0.2913  | 558.48      | 197.66      | 89        | 1R     |
| TCR  | COLCHESTER         | 51.8347 | 0.9212  | 601.24      | 219.20      | 45        | 1R     |
| TEB  | EASTBOURNE         | 50.8187 | 0.1457  | 551.13      | 104.39      | 68        | 1R     |
| TFO  | FOLKESTONE         | 51.1135 | 1.1409  | 619.81      | 139.66      | 202       | 3MLGSM |
| TSA  | SEVENOAKS          | 51.2426 | 0.1561  | 550.48      | 151.53      | 177       | 1      |
| WAL  | WALLS              | 60.2564 | -1.6173 | 421.18      | 1152.46     | 167       | 1      |
| WCB  | CHURCH BAY         | 53.3782 | -4.5467 | 230.62      | 389.87      | 139       | 3MSM   |
| WFB  | FAIRBOURNE         | 52.6831 | -4.0383 | 262.23      | 311.48      | 316       | 1R     |
| WIM  | ISLE OF MAN(South) | 54.1475 | -4.6738 | 225.39      | 475.73      | 386       | 1R     |
| WLF  | LLYNFAES           | 53.2894 | -4.3966 | 240.27      | 379.65      | 58        | 1      |
| WME  | MYNDD EILIAN       | 53.3969 | -4.3032 | 246.88      | 391.40      | 129       | 1R     |
| WPM  | PENMAENMAWR        | 53.2581 | -3.9048 | 272.95      | 375.18      | 353       | 1R     |
| XAL  | ALLENDALE          | 54.8617 | -2.2147 | 386.22      | 551.91      | 458       | 1R     |
| XDE  | DENT               | 54.5056 | -3.4902 | 303.52      | 513.29      | 301       | 1R     |
| XSO  | SOURHOPE           | 55.4924 | -2.2510 | 384.14      | 622.10      | 516       | 1R     |
| YEL  | YELL               | 60.5509 | -1.0830 | 450.29      | 1185.55     | 203       | 1      |
| YLL  | LLANBERIS          | 53.1402 | -4.1704 | 254.84      | 362.57      | 159       | 1R     |
| YRC  | RHOSCOLYN          | 53.2508 | -4.5753 | 228.21      | 375.77      | 22        | 1R     |
| YRE  | YR EIFL            | 52.9811 | -4.4254 | 237.19      | 345.43      | 193       | 1R     |
| YRH  | RHIW               | 52.8336 | -4.6288 | 222.94      | 329.51      | 286       | 1R     |

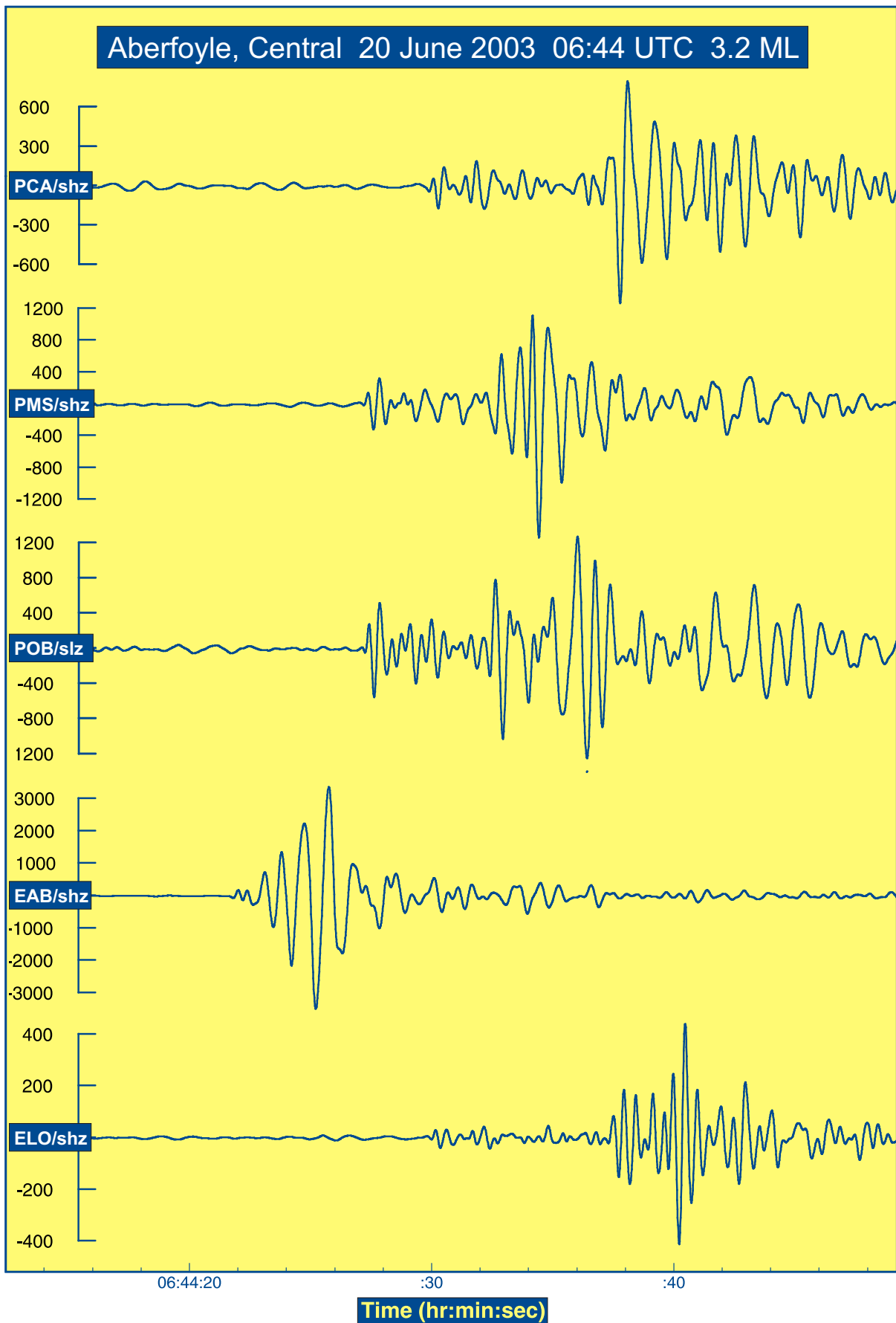
**Component Codes:**

|    |  |
|----|--|
| 1  | Single vertical seismometer  |
| 3  | Orthogonal set of 3 seismometers   |
| M  | Low-frequency microphone   |
| R  | Station coordinates registered with the International Seismological Centre (ISC), England and the National Earthquake Information Centre (NEIC), USA |
| LG | Single low-gain vertical seismometer   |
| SM | Strong motion seismometers   |
| BB | Broadband Instrument   |









Seismograms of the Aberfoyle earthquake of 20 June 2003 06:44 UTC 3.2 ML recorded on the Paisley and LOWNET seismic networks.