



# British Geological Survey

## BULLETIN OF BRITISH EARTHQUAKES 1992



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**BRITISH GEOLOGICAL SURVEY**

**TECHNICAL REPORT WL/93/11**

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**Bulletin of British earthquakes 1992**

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## BRITISH GEOLOGICAL SURVEY

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## **1. INTRODUCTION**

### **1.1 The Bulletin**

The British Geological Survey's Seismic Monitoring and Information Service operates a nationwide network of seismograph stations in the United Kingdom of Great Britain and Northern Ireland. This area, including coastal waters, is covered within the limits of the detection capabilities of the seismograph network and accuracy is extended through data exchange with neighbouring countries. Seismic phase data, location details and magnitudes are presented in the Bulletin for all earthquakes detected and located by BGS during 1992 together with maps showing the larger magnitude events since 1979 ( $ML > 2.5$ ) and since 1970 ( $ML > 3.5$ ).

### **1.2 Summary of 1992 seismicity**

Some 291 earthquakes have been located by the monitoring network in the year, with 50 of them having magnitudes of 2.0 or greater. Eight in that magnitude category are known to have been felt together with a few smaller ones.

The largest earthquake of the year, onshore, occurred in Caernarvon Bay on 29 July with a magnitude of 3.5 ML and was felt over an area of approximately 10,000 km<sup>2</sup>. A macroseismic survey throughout the region showed that it was felt around Caernarvon with a maximum intensity of 5 MSK (just below the damaging level). The focal mechanism shows reverse faulting with a small-component of strike-slip faulting (Walker et al., 1993 and Appendix A3).

In the North Sea, the largest offshore earthquake in 1992, with magnitude 4.7 ML, occurred on 8 November in the north Viking Graben approximately 230 km NE of Shetland. A single felt report was received from the Møre region of western Norway but there were no other reports from the North Sea platforms nor other land areas probably owing to the poor weather conditions at the time of the event. It is one of the 16 events which have been located in the Viking/Central Graben area over the past year.

In Peterborough on 17 February, an earthquake with magnitude 3.3 ML was felt over an area of 7000 km<sup>2</sup> and had a maximum intensity of 5 MSK which was observed in two localities. The event parameters, together with a seismogram and macroseismic map are shown in Appendix A1.

Near Johnstonebridge in Annandale, on 27 February, a magnitude 2.7 ML event was felt with intensities up to 4 MSK. The focal mechanism for the event shows dominant normal faulting with a component of strike-slip faulting (Appendix A2). Johnstonebridge is an area which frequently experiences earthquake swarm activity; occasionally events with magnitudes greater than 2.0 ML occur and these are usually felt.

On the island of Jura, western Scotland, a magnitude 2.7 ML event was detected. Although events of this size are normally felt, it was located in a remote part of Jura and no felt reports were received.

In Strathcarron, 20 km north east of Kyle of Lochalsh, a magnitude 2.8 ML earthquake was felt by local residents with intensities of at least 3 MSK. It was located in an area where a number of events have occurred in the past 20 years; the largest, in 1974 with magnitude 4.4 ML, some 20-30 km to the south east of this event.

Twenty five small events with magnitudes ranging from 0.3 to 1.7 ML were detected in the coalfield areas of Fife; six were reported felt. In the other coalfield areas some 14 events were detected, one of which was felt. In south Wales, 1 km west of Bargoed a coalmining event with a magnitude of 2.2 ML was felt by local residents in Bargoed and some 3 km away in the village of Nelson. The felt

reports ranged from overturning of perfume, sauce and milk bottles to cracked windows. This high intensity (5 MSK) can be attributed to the shallow depth of occurrence, 1.6 km.

In 1992, 47 small events were located near the village of Constantine in Cornwall with magnitudes ranging between -0.3 and 1.0 ML. None were reported felt and form part of the continuing series which has been instrumentally recorded since 1981 and which has produced five felt earthquakes.

Three small aftershocks (1.6, 0.3 and 0.2 ML) of the July 19 1984 (magnitude 5.4 ML) Lleyn earthquake were located during 1992 but none were reported felt.

Five collapse events were catalogued for 1992. They represent events which have the characteristics of a shallow source coalfield event but do not locate in known coalfield areas and may represent mine or cavern collapse.

## 2. CATALOGUE FORMAT

### 2.1 Tables

Data on the earthquakes and seismograph stations operated in 1992 are arranged as follows:

**TABLE 1** is a chronological listing of all earthquakes in and near the UK for which a reliable epicentral location could be obtained together with felt sonic events and significant non-natural events.

**TABLE 2** is a listing of earthquakes arranged in order of decreasing latitude to facilitate identification of earthquakes in selected regions.

**TABLE 3** is a chronological listing of felt sonic events and significant non-natural events detected by the seismograph network. These events are included in Table 1 but not in Table 2.

**TABLE 4** is an alphabetical listing of the geographical coordinates of seismograph stations operated in 1992 by BGS and DIAS (the Dublin Institute of Advanced Studies).

**TABLE 5** lists the arrival times of phases for the events in Table 2 at each station, together with amplitude information used for magnitude calculation.

**TABLE 6** shows the crustal seismic velocity models used for event location.

### 2.2 Figures

**FIGURE 1:** seismograph network operational in December 1992.

**FIGURE 2:** the detection threshold of the seismograph stations operational in December 1992 for average background noise conditions where the detection criterion is that the signal has to significantly exceed 4 nanometres at 10 Hz on 3 stations.

**FIGURE 3:** the epicentral location map of all the events in 1992 that are listed in Table 2. It is estimated that the data set is complete for the land area.

**FIGURE 4:** the locations of earthquakes in the UK of magnitude 2.5 ML and above in the period 1979 to 1992. It is estimated that the data set is complete for the land area.

**FIGURE 5:** the locations of earthquakes in the UK of magnitude 3.5 ML and above in the period 1970 to 1992.

### **3. THE BGS UK SEISMOGRAPH NETWORK**

#### **3.1 Instrumentation**

A standard seismic network consists of up to seven 'outstation' vertical seismometers radio-linked over distances of up to 100 km to a central site where the data, along with that from a local 3-component set of two horizontal and one vertical seismometers, are recorded on magnetic tape by a Geostore recorder. Tapes are dispatched, usually once per week, to Edinburgh for analysis.

A more detailed description of the system is given by Browitt et al (1985) and the response of the system is described by Turbitt and Stewart (1982).

At some locations, on-line paper chart recorders display three channels to permit rapid investigation of reported felt tremors. At other stations, low-gain vertical seismometers extend the dynamic range (by 34 db) of the system to stronger motions, and low frequency microphones are used to aid the discrimination of sonic booms. In addition, strong motion accelerometers installed at several locations (near Hunterston, Cornwall, Chapelcross and Jersey) record accelerations up to 0.1 g.

At locations shown in red on Figures 1 and 2 the seismograph stations are recording onto digital event triggered recorders (SEISLOG). These are designed to trigger on events and write to a computer disk, which is accessed from Edinburgh via a modem. Each morning, automatic data transfers are made to the Edinburgh VAX computer and the events are analysed during that day providing a rapid response for location and magnitude calculations. They have the advantage over the Geostore system of providing a wider dynamic range (72 db), a bandwidth of up to 40 Hz and the capacity for 16 seismic channels. The system also has the facility to auto-reboot in the event of mains power failure and this normally takes three minutes once power has recovered.

The improvements in geographic coverage of the UK is described in Turbitt (1985), with more recent developments by Browitt and Walker (1993).

#### **3.2 Detection Threshold**

The detection capabilities of a network depend upon station distribution, instrument sensitivity and background noise levels. For the BGS UK network, the lower limit of sensitivity is governed by the background noise level. The contours in Figure 2 illustrate the lower threshold magnitude for an earthquake to significantly exceed 4 nanometres of noise (average) at 10 Hz on at least three seismographs. Noise sources such as wind, waves, traffic and livestock vary considerably with time (about 0.5 to 15 nanometres, typically 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.

The detection contours in Figure 2 hold true only if all stations are continuously monitored and this is not always the case. Small events in unmonitored areas may then go undetected unless they are felt and reported to BGS by local inhabitants. The detection capabilities by this process are strongly dependent on population density.

### **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 which satisfies the observed pattern of arrivals. Instrumental locations in the catalogue

were obtained using the computer program HYPO71 (Lee and Lahr, 1975) which 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.

The velocity models used for the location of events in 1992 are given in Table 6 and were derived from a series of refraction profiles traversing Britain, LISPB (Bamford et al, 1976; Bamford et al, 1978; Assumpcao and Bamford, 1978 and Bott et al., 1985).

#### 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 a series occurred almost beneath a network. For events at larger distances, and where the error columns (ERH and ERZ) 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 Seismicity Distribution

Owing to variability in the earthquake detection threshold, which is governed by ambient noise conditions and the geometry of the observing network (see 3.2), the catalogue is biased towards certain localities. In order to present a consistent picture of UK seismic activity, earthquakes with magnitude 2.5 ML or greater, in the period 1979 to 1992 have been plotted in Figure 4. The data set is considered complete for these magnitudes in all localities of the onshore area. Seismicity for the period 1970 to 1992 is shown in Figure 5 with a threshold magnitude of 3.5. This is the period covered by BGS instrumentation which consisted only of the network around Edinburgh (LOWNET) and Eskdalemuir (ESK) and a station near Kyle of Lochalsh (KYL) in the early years. The data set is likely to be complete for such magnitudes.

#### 4.4 Magnitude

All earthquakes in the catalogue 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 Ao is that for a "standard" magnitude zero earthquake at the same distance. The Ao term is thus a distance correction factor tabulated by Richter to 200, and later 600 km. Although Richter intended his method to be an approximate quantification of earthquake size and his attenuation term, Ao, strictly only applies to California, the formula is still used world-wide today. The ML magnitudes in this catalogue 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 catalogue will normally be less than 0.4 ML.

#### **4.5 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<sub>0</sub>) usually found close to the epicentre. The maximum felt intensity is quoted, where known, on the MSK scale (Ad Hoc Panel, 1981).

### **5. CATALOGUE CONTENT AND COMPLETENESS**

#### **5.1 The geographical area**

The catalogue covers all of the UK land mass and its coastal waters including the North Sea to 800 kmE and 1400 kmN.

#### **5.2 Events included**

All events believed to be due to true tectonic origins have been included. That is, events caused by natural stresses within the earth.

Coalfield events are also included. These are small events occurring near coal workings which 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 and 5.

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 reported by local people as small earthquakes. They are indicated by 'SONIC' in both the locality and comments column of Tables 1 and 3.

Significant non-natural events, for example the Madness concert in NE London, and felt explosions are also included in Tables 1 and 3. The felt explosions are indicated by 'EXPL' in both the locality and comments column.

#### **5.3 Events excluded**

Events that are known, or suspected to be of explosive origin, are excluded from the catalogue. Explosions due to quarrying, mining, weapon testing or disposal, naval exercises, geophysical prospecting and civil engineering are all excluded where possible, unless reported to be felt. Unfortunately, identification by record character, location and time of occurrence is not always conclusive and some man-made events may have been included in the catalogue or, more rarely, a small natural event may have been excluded.

#### **5.4 Completeness**

The contours of detection threshold in Figure 2 show that the whole of the UK is covered by the seismograph network for approximately magnitude 1.5, and above, at times of average ambient noise levels. High noise levels may cause this threshold to rise to about 2.3. Normally, however, an earthquake of this size would be felt, if not detected, in the areas of poorer instrumental coverage. The catalogue can, therefore, be assumed to be complete for all earthquakes of magnitude 2.3 and above.

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**TABLE 1**  
**CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 1992**

## KEY TO CATALOGUE ENCODING

<b>YearMoDy</b>	: Year, month and day of event.
<b>HrMn Secs</b>	: Time of occurrence of event in hours, mins and secs, (UTC).
<b>Lat</b>	: Latitude of the event, positive latitude indicates north.
<b>Lon</b>	: Longitude of the event, negative longitude indicates west.
<b>kmE</b>	: UK National Grid Reference in kilometres east of grid origin.
<b>kmN</b>	: UK National Grid Reference in kilometres north of grid origin.
<b>Dep</b>	: Depth of the hypocentre in kilometres.
<b>Mag</b>	: Richter local magnitude of the earthquake.
<b>Locality</b>	: 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.
<b>Int</b>	: Maximum MSK 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 MSK intensity produced by the event.
<b>Comments</b>	: 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)

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

### Locality abbreviations

<b>Sonic</b>	: Sonic boom	<b>M Glamorgan</b>	: Mid Glamorgan
<b>Expl</b>	: Explosion	<b>Notts</b>	: Nottinghamshire
<b>D &amp; G</b>	: Dumfries and Galloway	<b>Derbs</b>	: Derbyshire
<b>Her &amp; Wor</b>	: Hereford and Worcester	<b>N Yorks(hire)</b>	: North Yorkshire
<b>Gt(r) Manchester</b>	: Greater Manchester	<b>S Yorks(hire)</b>	: South Yorkshire
<b>Cambs</b>	: Cambridgeshire	<b>W Yorks(hire)</b>	: West Yorkshire
<b>S Glamorgan</b>	: South Glamorgan	<b>Staffs</b>	: Staffordshire
<b>M Tydfil</b>	: Merthyr Tydfil		

### Comments abbreviations

<b>Sonic</b>	: Sonic boom
<b>Expl</b>	: Explosion
<b>C/F</b>	: Coalfield type event
<b>...</b>	: and felt elsewhere

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 1992

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...		
1992	01	02	21	39	48.7	59.69	1.42	592.5	1094.0	15.0	2.4	NORTHERN NORTH SEA	6153	217	0.07	4.8	5.0	C*D					
1992	01	03	12	21	52.8	56.05	-5.10	207.0	688.0	5.0	0.8	GLENDARUEL, STRATHCLYDE	7	32	296	0.07	1.6	1.6	B*D				
1992	01	05	05	40	28.2	60.35	3.94	727.3	1177.2	3.5	2.6	NORTHERN NORTH SEA	7	91	209	0.37	10.4	3.9	D*D				
1992	01	06	03	00	00.0							EXPL-MOTHERWELL	2+								EXPL-FELT WISHAW AREA		
1992	01	07	03	17	41.5	56.13	-3.75	291.2	694.1	1.0	1.1	CLACKMANNAN, CENTRAL	4	20	285	0.01		A*D	C/F				
1992	01	07	05	21	35.5	56.46	-5.94	157.4	736.6	1.0	1.5	MULL, STRATHCLYDE	6101	342	0.17			D*D					
1992	01	10	21	59	02.3	61.60	3.32	682.1	11313.3	12.9	3.4	NORTHERN NORTH SEA	20	98	231	0.40	2.9	2.3	C*D				
1992	01	15	19	46	13.7	55.20	-3.37	312.7	590.2	6.8	0.0	JOHNSTONEBRIDGE, D & G	4	16	302	0.02		A*D					
1992	01	17	09	40	11.0							SONIC-KING'S LYNN									SONIC-FELT KING'S LYNN		
1992	01	22	13	45	34.2	53.30	-1.84	410.4	378.6	0.5	0.3	BUXTON, DERBYSHIRE	6	22	179	0.14	1.0	1.4	B*C	COLLAPSE TYPE			
1992	01	22	14	44	39.0							SONIC-WIRRAL									SONIC-FELT WIRRAL		
1992	01	26	16	30	33.4	56.21	-3.94	279.4	703.9	5.6	1.3	DUNBLANE, CENTRAL	12	25	123	0.21	1.7	4.0	B*C				
1992	01	27	02	43	49.7	50.66	1.88	674.1	91.9	7.3	3.0	BOULOGNE, FRANCE	26	72	117	0.26	1.0	4.1	B*D				
1992	01	27	22	16	05.6	61.64	1.88	605.7	1312.5	0.6	2.6	NORTHERN NORTH SEA	12167	238	0.93	5.5	5.8	D*D					
1992	01	29	08	36	10.0	56.31	-4.46	247.8	715.9	1.0	1.7	BALQUHIDDER, CENTRAL	2+	36	16	129	0.38	0.9	1.1	C*C	FELT INVERLOCHLARIG		
1992	01	30	14	33	02.3	53.14	-1.53	431.5	360.2	0.5	1.2	MATLOCK, DERBYSHIRE	4	13	161	0.33			C*D	COLLAPSE TYPE			
1992	02	01	13	17	01.5	53.08	-1.77	415.2	354.3	0.5	1.7	ALSOP MOOR, DERBYSHIRE	9	9	142	0.39	2.8	3.0	C*C				
1992	02	01	20	37	52.2	52.66	-2.02	398.9	307.3	3.2	1.1	CANNOCK, STAFFORDSHIRE	7	41	174	0.44	3.8	8.2	C*C				
1992	02	04	22	18	50.9	56.07	-5.38	189.4	691.8	1.0	1.7	LOCH FYNE, STRATHCLYDE	16	47	305	0.27	7.2	5.3	D*D				
1992	02	06	14	11	59.5	53.34	-1.92	405.0	382.3	11.6	1.6	BUXTON, DERBYSHIRE	5	28	298	0.03	0.8	2.8	B*D				
1992	02	09	15	49	06.7	53.01	-3.14	323.3	347.0	12.5	1.4	WREXHAM, CLWYD	18	14	131	0.22	0.6	0.8	B*B				
1992	02	21	00	04	50.2	53.57	-2.62	359.2	408.8	10.4	1.6	STANDISH, GT MANCHESTER	29	45	95	0.24	0.6	1.0	B*C				
1992	02	21	01	09	46	58.4	52.73	-2.35	376.7	315.0	11.2	1.8	WELLINGTON, SHROPSHIRE	29	44	101	0.27	0.8	1.3	B*C			
1992	02	22	02	25	652.9	54.39	-3.06	331.0	500.1	7.8	0.6	CONISTON, CUMBRIA	12	13	113	0.32	1.2	4.9	C*B				
1992	02	22	12	10	18.0							EXPL-SHOEBURYNESS	2+								EXPL-FELT BRADWELL...		
1992	02	26	12	41	06.9	51.54	-3.17	318.9	183.3	18.9	1.3	CARDIFF, S GLAMORGAN	6	27	286	0.08	2.2	3.2	B*D				
1992	02	27	01	22	33.0	52.50	-0.19	522.7	290.7	11.1	3.3	PETERBOROUGH, CAMBS	5	32	19	69	0.20	0.5	0.8	B*B	FELT CAMBRIDGESHIRE...		
1992	02	28	22	07	44.1	57.46	-5.35	198.9	846.1	1.5	0.2	BALNACRA, HIGHLAND	5	5	164	0.23	4.2	5.4	C*D				
1992	02	29	10	00	23.0	55.25	-3.45	307.8	596.2	1.7	-0.1	JOHNSTONEBRIDGE, D & G	6	16	188	0.19	1.2	0.9	B*D				
1992	02	29	18	57	00.0							SONIC-SOLWAY FIRTH								SONIC-FELT WHITEHAVEN...			
1992	02	29	19	39	00.0							SONIC-SOLWAY FIRTH								SONIC-FELT WHITEHAVEN...			
1992	02	29	20	44	00.0							SONIC-SOLWAY FIRTH								SONIC-FELT WHITEHAVEN...			
1992	02	29	21	33	00.0							SONIC-SOLWAY FIRTH								SONIC-FELT WHITEHAVEN...			
1992	02	22	10	07	08.4	50.11	-5.18	172.9	28.4	6.7	0.9	CONSTANTINE, CORNWALL	12	3	159	0.05	0.3	0.4	A*C				
1992	02	22	11	56	33.2	53.29	-2.22	385.0	376.7	5.9	1.6	ALDERLEY EDGE, CHESHIRE	6	38	248	0.22	2.9	8.2	C*D				
1992	02	22	11	55	44.1	50.11	-5.18	172.9	28.6	6.4	0.8	CONSTANTINE, CORNWALL	10	3	281	0.01	0.1	0.1	A*D				
1992	02	22	11	55	41.0	50.11	-5.18	173.0	28.1	5.9	-0.2	CONSTANTINE, CORNWALL	9	3	161	0.04	0.3	0.4	A*C				
1992	02	22	21	16	19.7	55.11	-2.59	362.4	579.4	11.6	1.3	BEWCastle, CUMBRIA	13	22	273	0.24	1.9	4.4	B*D				
1992	02	22	22	20	319.9	57.31	-5.52	188.2	829.6	3.0	0.8	AUCHTERTYRE, HIGHLAND	6	9	140	0.10	0.8		C*C				
1992	02	22	27	05	204.9	55.21	-3.41	310.5	591.7	5.9	2.7	JOHNSTONEBRIDGE, D & G	4+	43	16	54	0.26	0.4	3.1	B*C	FELT NEWTON, SANDYFORD...		
1992	02	28	00	05	02	27.4	53.33	-1.18	454.7	381.4	11.6	2.0	WORKSOP, NOTTS	14	25	98	0.15	0.6	4.2	B*C			
1992	02	30	18	12	301.	182445.5	53.06	-4.55	229.1	355.0	15.0	0.0	CAERNARVON BAY, GWYNEDD	12	13	164	0.04	0.3	0.4	A*C			
1992	02	30	18	12	302.	163427.5	54.54	-1.82	411.6	516.2	15.4	2.3	BARNARD CASTLE, DURHAM	40	14	62	0.29	0.6	1.0	B*A			
1992	02	30	18	303.	03	52.88	-4.59	225.8	334.2	12.0	0.5	TUDWEILIOG, GWYNEDD	8	6	152	0.06	0.6	0.6	A*C				
1992	02	30	18	303.	222141.3	55.80	-3.85	284.2	657.4	1.0	0.8	ALLANTON, STRATHCLYDE	4	28	335	0.14		A*D					
1992	02	30	18	303.	223204.7	56.13	-3.74	292.0	693.8	1.7	1.0	CLACKMANNAN, CENTRAL	13	20	85	0.10	0.4	0.7	A*C	C/F			
1992	02	30	18	305.	024528.9	52.94	-2.13	391.1	338.7	1.0	1.2	STONE, STAFFORDSHIRE	12	21	110	0.21	1.0	1.4	B*C				
1992	02	30	18	305.	121500.0							SONIC-BLACKPOOL								SONIC-FELT BLACKPOOL...			
1992	02	30	18	306.	001928.0							SONIC-CONSTANTINE								SONIC-FELT CONSTANTINE			
1992	02	30	12	312.	231937.2	57.90	-5.45	195.5	894.8	8.6	1.6	GRUINARD BAY, HIGHLAND	10	45	239	0.23	2.2	4.9	B*D				

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1992	03	13	23	26	12.6	51.71	-3.30	310.2	202.0	2.5	1.5	BEDLINOG, MID GLAMORGAN	8	35	171	0.05	0.4	0.6	A*C	C/F		
1992	03	16	22	53	01.6	56.13	-3.69	294.8	694.4	0.3	1.1	CLACKMANNAN, CENTRAL	3+	12	17	124	0.17	0.6	1.0	B*C	FELT CLACKMANNAN, C/F	
1992	03	19	07	23	47.3	56.13	-3.71	293.9	694.4	2.0	1.3	CLACKMANNAN, CENTRAL	12	18	83	0.18	0.7	1.1	B*C	C/F		
1992	03	25	15	38	31.8	57.56	-5.01	220.1	855.9	1.0	1.2	ACHNASHEEN, HIGHLAND	5	19	323	0.09	1.8	1.6	B*D			
1992	03	25	16	36	43.3	55.09	-3.61	297.0	578.1	6.5	0.9	DUMFRIES, D & G	14	10	162	0.20	0.8	3.3	B*C			
1992	03	27	20	54	02.4	53.18	-1.31	446.3	365.2	9.4	1.6	MANSFIELD, NOTTS	9	17	115	0.24	1.2	11.0	C*B			
1992	03	29	02	47	27.3	56.56	-3.76	292.0	742.3	7.1	0.2	SCOTSTON, TAYSIDE	6	10	295	0.02	0.3	0.2	A*D			
1992	03	29	03	43	35.6	57.33	-5.44	192.8	832.0	2.6	0.7	SALLACHY, HIGHLAND	5	13	150	0.09	1.1		C*D			
1992	03	29	04	27	36.0	54.89	-1.49	432.5	555.7	0.1	0.2	WASHINGTON, TYNE & WEAR	4	18	212	0.55			D*D			
1992	03	30	21	13	02.2	56.12	-3.74	291.7	693.5	1.4	1.4	CLACKMANNAN, CENTRAL	14	20	131	0.13	0.4	0.6	A*C	C/F		
1992	04	01	03	32	28.5	52.07	-3.44	301.2	242.4	16.6	1.1	BUILTH WELLS, POWYS	9	12	227	0.08	0.7	0.7	A*D			
1992	04	04	03	38	12.0	56.12	-3.74	292.0	693.7	1.0	1.1	CLACKMANNAN, CENTRAL	14	20	86	0.10	0.3	0.5	A*C	C/F		
1992	04	05	100	11	19.9	55.23	-3.49	305.3	593.6	8.9	0.1	JOHNSTONEBRIDGE, D & G	6	12	180	0.02	0.2	0.6	A*C	AFTERSHOCK		
1992	04	07	13	59	15.9	53.22	-1.43	437.8	370.0	19.1	1.5	CHESTERFIELD, DERBS	7	7	180	0.25	2.6	1.8	C*C			
1992	04	08	15	49	39.0	52.93	-4.36	241.3	339.4	15.7	2.0	PWLLHELI, GWYNEDD	17	7	95	0.08	0.3	0.8	A*B	NE OF PWLLHELI		
1992	04	08	16	00	47.5	52.93	-4.37	240.7	340.1	15.6	0.4	PWLLHELI, GWYNEDD	13	6	196	0.04	0.4	0.3	A*D	NE OF PWLLHELI		
1992	04	08	18	57	58.0							SONIC-SCARBOROUGH								SONIC-FELT SCARBOROUGH...		
1992	04	09	11	56	02.4	53.05	-1.64	424.2	350.9	0.1	1.2	ASHBOURNE, DERBYSHIRE	6	14	234	0.24	2.6	1.8	C*D	COLLAPSE TYPE		
1992	04	09	19	36	36.7	56.12	-3.69	294.7	693.5	1.4	1.6	CLACKMANNAN, CENTRAL	3+	20	18	83	0.14	0.4	0.6	A*C	FELT CLACKMANNAN, C/F	
1992	04	10	10	31	4.7	53.13	-1.37	442.3	359.7	0.2	1.6	PILSLEY, DERBYSHIRE	7	17	258	0.28	4.7	3.2	C*D	C/F		
1992	04	10	15	26	37.6	62.06	-2.48	634.0	01360.8	15.0	2.6	NORTHERN NORTH SEA	14131	236	0.30	4.3	4.5	C*D				
1992	04	10	18	01	13.6	58.86	-0.06	511.7	998.5	15.0	1.8	NORTHERN NORTH SEA	4145	357	0.07				A*D			
1992	04	11	06	45	38.2	51.64	-3.10	323.8	194.4	15.4	1.8	ABERCARN, GWENT	19	20	109	0.09	0.4	0.5	A*B			
1992	04	11	06	54	30.3	51.63	-3.10	323.6	193.1	15.0	1.2	ABERCARN, GWENT	5	21	259	0.02	0.7	0.3	A*D			
1992	04	12	18	55	28.3	49.89	-4.90	191.5	3.3	13.6	1.4	LIZARD POINT, CORNWALL	13	26	300	0.02	0.3	0.2	A*D	SE OF LIZARD POINT		
1992	04	13	01	02	0.8	51.17	5.95	955.4	171.5	13.5	5.9	ROERMOND, NETHERLANDS	7	42	34	72	0.41	1.2	1.7	C*C	MAX INTENSITY(UK) =4MSK	
1992	04	13	22	04	14.7	56.14	-3.68	295.8	695.7	1.0	1.3	CLACKMANNAN, CENTRAL	2+	12	16	87	0.49	1.7	3.0	C*C	FELT CLACKMANNAN, C/F	
1992	04	15	15	59	60.0	56.13	-3.67	296.1	694.0	1.0	1.3	CLACKMANNAN, CENTRAL	10	17	200	0.23	1.8	1.7	B*D	C/F		
1992	04	18	14	28	29.2	52.94	-4.39	239.8	341.4	24.0	0.3	LLEYN PENINSULA	6	5	292	0.02	0.3	0.4	A*D	LLEYN AFTERSHOCK		
1992	04	20	17	42	15.9	50.11	-5.18	172.7	28.3	6.9	0.7	CONSTANTINE, CORNWALL	16	3	167	0.03	0.2	0.2	A*C			
1992	04	20	17	57	15.9	50.11	-5.18	172.8	28.3	7.1	0.0	CONSTANTINE, CORNWALL	9	3	163	0.02	0.2	0.2	A*C			
1992	04	20	19	04	24.6	50.11	-5.18	172.7	28.3	7.2	0.3	CONSTANTINE, CORNWALL	18	3	167	0.03	0.2	0.2	A*C			
1992	04	20	19	17	41.0	50.11	-5.18	172.8	28.3	7.2	0.4	CONSTANTINE, CORNWALL	16	3	164	0.03	0.2	0.2	A*C			
1992	04	20	22	09	09.4	56.22	-2.72	692.7	713.0	5.0	2.2	CENTRAL NORTH SEA	17322	317	0.41				D*D			
1992	04	20	24	07	15.7	50.11	-5.18	172.9	28.4	7.1	-0.1	CONSTANTINE, CORNWALL	10	3	161	0.02	0.2	0.2	A*C			
1992	04	20	24	10	20.3	50.11	-5.17	173.1	28.2	6.2	0.2	CONSTANTINE, CORNWALL	11	3	157	0.02	0.2	0.2	A*C			
1992	04	20	22	26	51.6	51.70	-3.55	292.7	201.3	9.5	1.2	TREHERBERT, M GLAMORGAN	13	42	96	0.09	0.4	0.7	A*C			
1992	04	21	03	41	11.9	51.67	-3.09	324.5	197.2	13.6	1.0	NEWBRIDGE, GWENT	9	20	117	0.10	1.3	1.5	B*B			
1992	04	23	13	10	44.8	52.02	-5.38	168.2	241.3	5.0	2.1	ST GEORGE'S CHANNEL	20	43	154	0.23	0.8	1.9	B*C			
1992	04	25	20	10	58.1	52.96	-4.36	241.2	343.3	22.7	0.2	LLEYN PENINSULA	9	5	198	0.16	1.4	1.5	B*D	LLEYN AFTERSHOCK		
1992	04	26	05	16	15.2	53.05	-3.72	284.6	352.3	8.1	1.0	PENTREFOELAS, CLWYD	8	26	147	0.27	2.8	62.4	C*C			
1992	04	27	10	30	23	56.12	-3.71	293.8	693.6	0.2	1.5	CLACKMANNAN, CENTRAL	2+	12	19	127	0.16	0.6	1.0	B*C	FELT CLACKMANNAN, C/F	
1992	04	27	14	59	47.3	53.10	-1.58	427.9	355.9	0.5	1.3	CROMFORD, DERBYSHIRE	6	18	143	0.43	1.9	2.9	C*C	C/F		
1992	04	27	23	32	33.4	49.00	-2.29	378.6	-100.1	12.2	0.5	JERSEY, CHANNEL ISLES	11	23	333	0.07	0.8	2.3	B*D	20KM SOUTH OF JERSEY		
1992	04	28	21	34	40.5	52.93	-6.18	119.3	345.7	9.1	1.4	WICKLOW, EIRE	2+	20	27	90	0.27	0.8	2.5	B*C	FELT WICKLOW	
1992	04	30	08	39	48.7	50.11	-5.18	172.7	28.3	6.7	0.7	CONSTANTINE, CORNWALL	10	3	167	0.02	0.2	0.2	A*C			
1992	04	30	08	55	44.8	50.11	-5.18	172.8	28.3	7.7	0.0	CONSTANTINE, CORNWALL	9	3	163	0.01	0.2	0.2	A*C			
1992	04	30	18	18	58.2	57.42	-5.48	191.3	842.2	2.5	-0.1	TULLICH, HIGHLAND	6	14	183	0.23	2.5		C*D			
1992	05	01	02	05	11.6	56.13	-3.73	292.6	694.7	2.0	1.5	CLACKMANNAN, CENTRAL	25	19	82	0.34	0.8	1.2	C*C	C/F		
1992	05	02	01	19	07.6	50.11	-5.17	173.1	28.3	6.7	0.2	CONSTANTINE, CORNWALL	8	3	156	0.02	0.2	0.3	A*C			

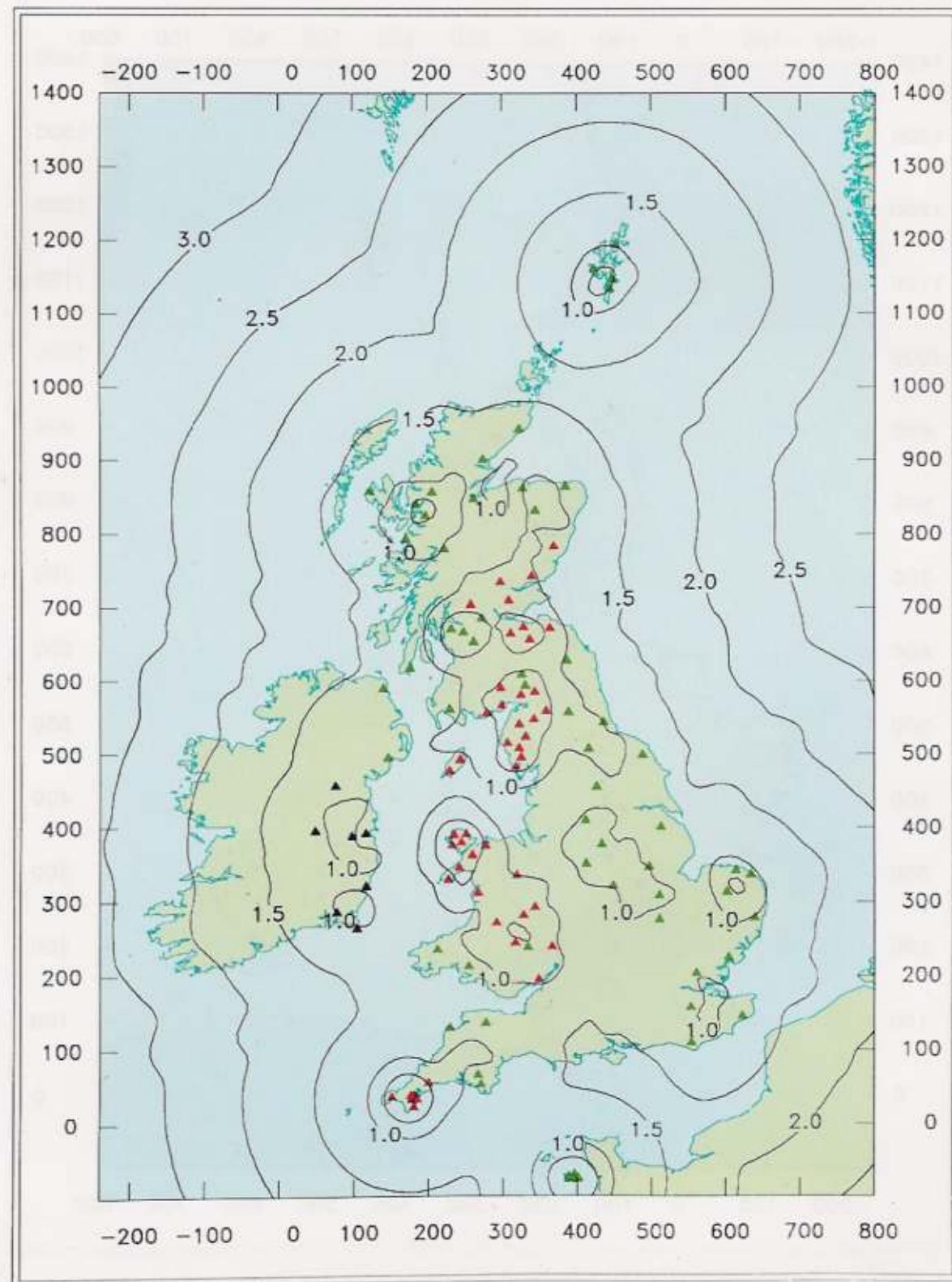


Figure 2. Earthquake detection capability in December 1992. Contour values are Richter local magnitude (ML) for 4 nanometres of noise (average) and S-wave amplitudes twice that at the third nearest station.

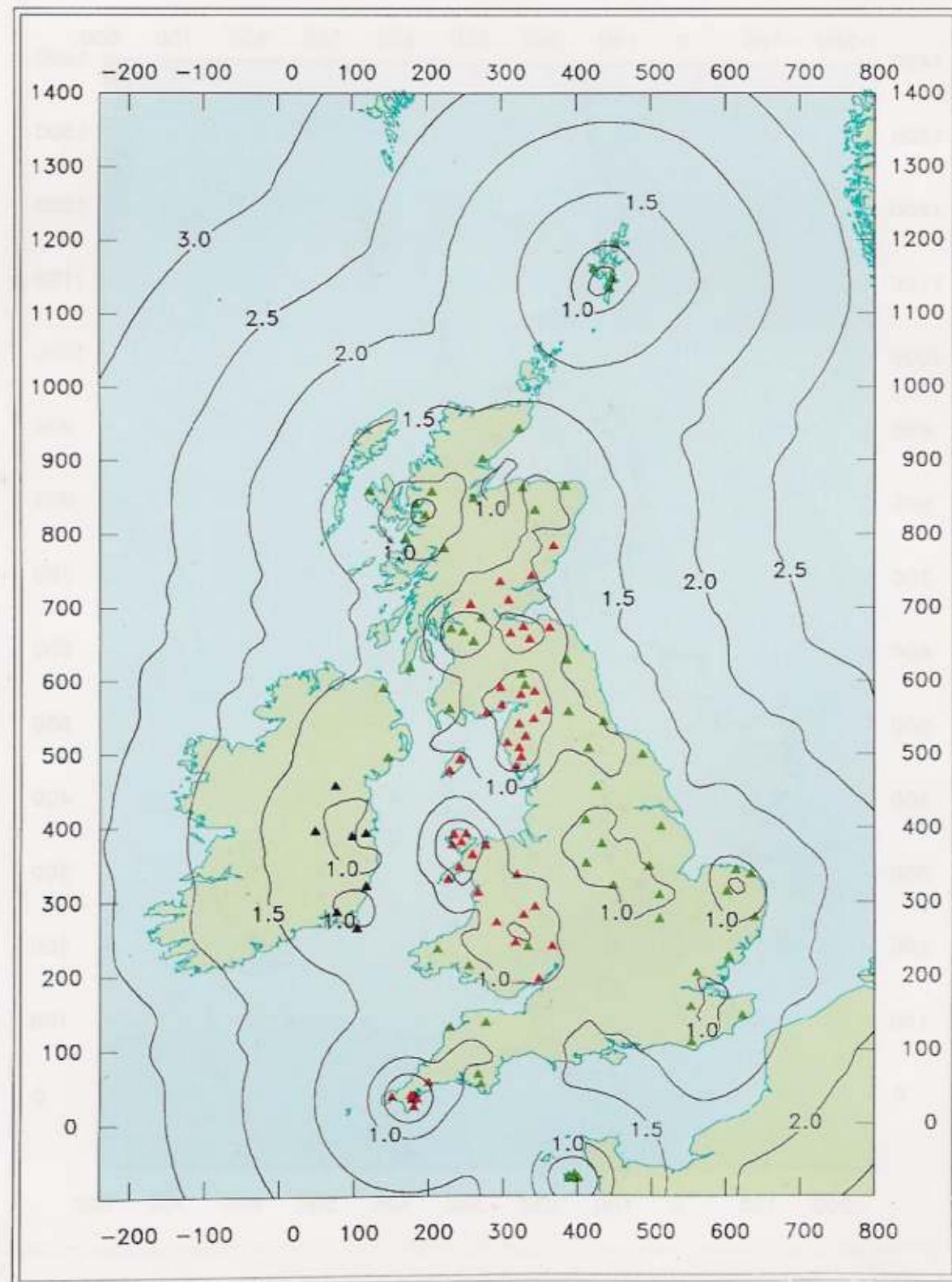


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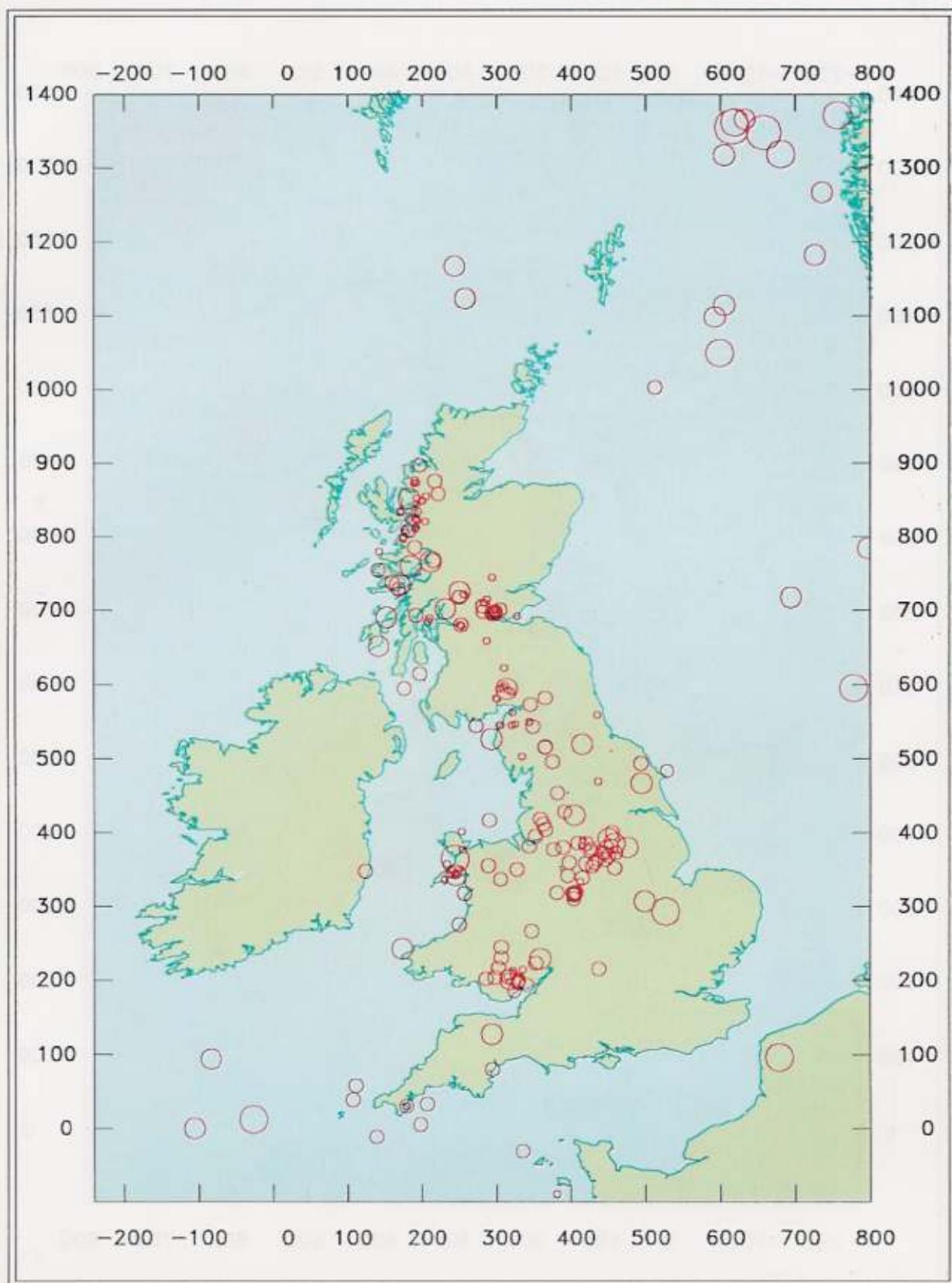


Figure 3. Epicentres of all UK earthquakes located in 1992.

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Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...
1992	05	02	15	4	53.61	-3.71	286.5	414.0	6.1	1.1	IRISH SEA	24	41	98	0.18	0.6	1.7	B*C			
1992	05	02	21	947.0	52.73	-2.03	397.8	314.5	0.1	1.3	CANNOCK, STAFFORDSHIRE	9	35	116	0.27	1.2	1.7	B*C	C/F		
1992	05	03	11	1957.3	50.11	-5.18	172.9	28.3	6.8	0.0	CONSTANTINE, CORNWALL	9	3	162	0.02	0.2	0.3	A*C			
1992	05	03	14	1645.1	55.21	-3.54	301.9	592.2	4.9	0.2	JOHNSTONEBRIDGE, D & G	7	8	183	0.16	1.5	10.3	C*D	AFTERSHOCK		
1992	05	03	17	1831.1	57.10	-5.63	180.1	806.7	9.3	1.2	KNOYDART, HIGHLAND	15	18	229	0.19	1.0	1.6	B*D			
1992	05	08	13	0554.7	56.10	-3.20	325.4	690.0	0.1	0.8	KIRKCALDY, FIFE	8	25	141	0.38	1.3	1.9	C*C			
1992	05	09	04	4216.8	54.77	-3.29	317.3	542.6	9.9	0.8	ASPATRIA, CUMBRIA	13	5	111	0.12	0.5	0.6	A*B			
1992	05	09	11	0852.2	54.30	-0.61	490.7	490.0	5.6	1.7	DALBY FOREST, N YORKS	12	6	263	0.15	1.3	1.0	B*D			
1992	05	11	04	2435.2	54.80	-2.91	341.2	545.9	12.6	-0.1	GAITSGILL, CUMBRIA	4	2	198	0.01			A*D			
1992	05	13	08	5552.5	51.66	-3.10	323.7	196.5	16.0	1.5	NEWBRIDGE, GWENT	6	21	249	0.04	0.8	1.5	A*D			
1992	05	15	15	2000.7	50.58	-3.57	288.6	77.5	2.8	1.6	TEIGNMOUTH, DEVON	15	30	191	0.29	1.7	2.5	B*D	NW OF TEIGNMOUTH		
1992	05	15	17	1324.4	56.67	-5.55	182.6	758.3	1.0	2.0	KINGAIRLOCH, HIGHLAND	7104	339	0.13	15.4	12.2	D*D				
1992	05	15	17	174206.3	53.30	-2.90	340.0	378.1	7.6	1.6	ELLESMORE PRT, CHESHIRE	24	50	111	0.22	0.6	1.9	B*C			
1992	05	17	00	4403.8	54.93	-3.28	317.9	559.9	14.1	0.1	ANTHORN, CUMBRIA	14	19	107	0.05	0.2	0.6	A*B			
1992	05	17	03	0453.9	57.23	-5.46	191.3	820.5	1.9	-0.2	GLEN SHIEL, HIGHLAND	4	3	183	0.13			A*D			
1992	05	18	05	2837.6	57.08	6.39	907.9	829.6	10.0	3.4	CENTRAL NORTH SEA	32539	281	0.46	9.6	12.3	D*D				
1992	05	19	02	1253.9	53.28	-0.92	471.7	376.2	0.5	2.0	GAMSTON, NOTTS	32	40	84	0.49	0.9	1.4	C*C	C/F		
1992	05	19	19	190624.1	56.01	-5.12	205.5	683.6	4.1	0.8	DUNOON, STRATHCLYDE	7	29	325	0.05	1.3	1.2	B*D	NW OF DUNOON		
1992	05	19	22	24431.6	53.22	-1.16	455.9	369.1	2.6	1.5	SHIREBROOK, NOTTS	10	25	211	0.26	1.7	2.6	B*D			
1992	05	22	08	4019.0	61.09	4.26	737.11	1261.8	19.3	2.9	NORTHERN NORTH SEA	18	27	126	0.19	0.8	1.0	B*B			
1992	05	22	09	43701.9	56.12	-3.74	292.0	693.2	0.5	1.0	CLACKMANNAN, CENTRAL	14	20	81	0.12	0.4	0.7	A*C	C/F		
1992	05	22	09	93810.0							SONIC-SUNDERLAND								SONIC-FELT SUNDERLAND...		
1992	05	22	23	1520.1	51.61	-2.93	335.7	190.9	18.2	1.1	NEWPORT, GWENT	6	9	256	0.23	4.9	3.4	C*D			
1992	05	28	02	3433.4	55.97	-4.39	250.8	677.4	2.1	0.9	MILNGAVIE, STRATHCLYDE	5	18	204	0.00	0.0	0.0	A*D			
1992	05	28	18	00000.0							SONIC-HARTLEPOOL								SONIC-FELT HARTLEPOOL...		
1992	05	29	02	0911.3	53.42	-2.77	348.7	391.5	13.0	1.3	PRESCOT, MERSEYSIDE	15	62	108	0.19	0.7	1.1	B*D			
1992	06	02	201600.8	56.12	-3.73	292.2	693.3	0.3	1.2	CLACKMANNAN, CENTRAL	14	20	131	0.09	0.3	0.4	A*C	C/F			
1992	06	03	101900.0								SONIC-MILTON KEYNES								SONIC-FELT MILTON KEYNES		
1992	06	05	114848.5	59.83	1.66	605.3	1110.1	7.3	2.0	NORTHERN NORTH SEA	14162	169	0.34	1.9	3.2	C*D					
1992	06	06	024628.0	52.72	-1.98	401.2	313.5	0.2	1.2	BURNTWOOD, STAFFS	9	34	118	0.60	4.1	8.0	D*C				
1992	06	10	210900.0								SONIC-PONTELAND								SONIC-FELT PONTELAND...		
1992	06	11	050914.8	50.53	-8.91	-89.6	93.4	10.9	2.9	Celtic Sea	22241	278	0.31	7.0	8.3	D*D	SOUTH OF IRELAND				
1992	06	12	040521.0	56.13	-3.68	295.6	694.2	0.2	1.0	CLACKMANNAN, CENTRAL	7	17	123	0.02	0.1	0.2	A*C	C/F			
1992	06	13	002014.4	54.09	-1.49	433.4	466.0	0.8	0.4	RIPON, N YORKSHIRE	4	17	148	0.03			A*D	C/F			
1992	06	13	135920.2	50.11	-5.18	172.9	28.6	7.0	0.4	CONSTANTINE, CORNWALL	6	3	281	0.01	0.2	0.1	A*D				
1992	06	15	074913.0	50.11	-5.18	172.9	28.3	7.3	0.4	CONSTANTINE, CORNWALL	12	3	161	0.02	0.2	0.1	A*C				
1992	06	15	074942.0	50.11	-5.18	172.7	28.2	7.0	0.4	CONSTANTINE, CORNWALL	9	3	166	0.02	0.2	0.2	A*C				
1992	06	15	144942.0	50.11	-5.18	172.9	28.1	7.0	0.8	CONSTANTINE, CORNWALL	13	3	163	0.02	0.2	0.2	A*C				
1992	06	16	032621.1	55.68	-6.15	139.0	650.7	3.7	2.1	ISLAY, STRATHCLYDE	14	51	245	0.33	3.3	7.8	C*D				
1992	06	16	074403.1	52.89	-3.47	300.9	333.8	5.0	1.4	LLANDRILLO, CLWYD	14	15	120	0.32	2.0	16.1	C*C				
1992	06	17	043039.7	53.30	-1.24	450.3	378.2	6.9	1.0	WHITWELL, DERBYSHIRE	7	19	149	0.23	1.4	2.5	B*C	C/F			
1992	06	19	001013.1	50.11	-5.18	172.7	28.4	7.1	-0.3	CONSTANTINE, CORNWALL	9	3	165	0.01	0.2	0.2	A*C				
1992	06	19	001122.5	50.11	-5.18	172.9	28.3	7.1	-0.2	CONSTANTINE, CORNWALL	9	3	161	0.02	0.2	0.2	A*C				
1992	06	19	002001.1	50.11	-5.18	172.7	28.4	6.9	-0.1	CONSTANTINE, CORNWALL	9	3	165	0.01	0.2	0.2	A*C				
1992	06	20	021143.0	50.11	-5.18	172.6	28.4	6.9	-0.1	CONSTANTINE, CORNWALL	9	3	168	0.02	0.2	0.2	A*C				
1992	06	20	021410.6	50.11	-5.18	172.7	28.3	7.0	0.0	CONSTANTINE, CORNWALL	10	3	165	0.02	0.2	0.2	A*C				
1992	06	22	220932.5	54.50	-2.59	362.0	512.2	5.2	1.0	ORTON, CUMBRIA	20	25	73	0.17	0.4	15.5	C*C				
1992	06	23	002153.3	50.11	-5.18	172.8	28.1	7.2	-0.3	CONSTANTINE, CORNWALL	10	3	164	0.02	0.2	0.1	A*C				
1992	06	23	114714.8	50.11	-5.18	172.6	28.1	6.9	0.8	CONSTANTINE, CORNWALL	10	3	169	0.02	0.2	0.2	A*C				
1992	06	23	135201.0	51.65	-3.25	313.5	195.4	15.9	0.9	NELSON, GWENT	6	31	247	0.25	6.7		D*D				

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Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kM	kN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...		
1992	06	23	21	53	18.9	52.91	-1.85	410.4	335.0	5.0	1.2	UTTOXETER, STAFFS	3	12	242	0.29		B*D					
1992	06	24	19	47	43.0	56.12	-3.69	295.2	693.6	0.5	1.2	CLACKMANNAN, CENTRAL	11	18	125	0.10	0.4	0.9 A*C	C/F				
1992	06	24	21	34	05.4	56.13	-3.76	290.9	693.9	1.8	1.0	CLACKMANNAN, CENTRAL	6	21	259	0.06	1.7	1.2 B*D	C/F				
1992	06	25	08	07	44.2	50.38	-1.76	416.9	53.8	1.0	2.4	EXPL-BOURNEMOUTH	2+	9158	344	0.28	15.7	8.1 D*D	EXPL-FELT BOURNEMOUTH				
1992	06	27	13	11	28.7	50.16	-6.19	100.5	37.3	8.7	1.4	SCILLY ISLES, CORNWALL	12	44	348	0.03	1.2	0.4 B*D	NE OF SCILLY ISLES				
1992	06	27	23	06	50.8	54.77	-3.55	300.4	542.5	3.8	-0.2	ALLONBY BAY, CUMBRIA	4	20	290	0.01		A*D					
1992	06	28	02	39	59.6	54.77	-3.53	301.8	542.7	8.1	-0.4	ALLONBY BAY, CUMBRIA	4	18	287	0.04		A*D					
1992	06	28	12	23	31.4	62.00	4.85	758.4	41365.6	15.0	3.2	NORWEIGIAN COAST	22	27	260	0.68	4.4	2.5 D*D					
1992	06	29	03	05	11.8	49.84	-8.02	-33.0	11.2	1.7	3.2	SCILLY ISLES, CORNWALL	9178	355	0.07	8.1	1.2 D*D	SW OF SCILLY ISLES					
1992	07	01	12	38	59.2	50.11	-5.18	172.7	28.2	7.0	0.8	CONSTANTINE, CORNWALL	11	3	167	0.02	0.3	0.2 A*C					
1992	07	02	06	13	31.9	57.25	-5.49	189.7	823.4	2.5	-0.1	LOCH DUICH, HIGHLAND	4	6	188	0.61		D*D					
1992	07	02	14	20	36.4	50.11	-5.18	172.7	28.2	7.2	1.0	CONSTANTINE, CORNWALL	9	3	167	0.01	0.2	0.2 A*C					
1992	07	02	22	16	17.2	53.21	-1.38	441.5	368.6	8.0	1.2	GRASSMOOR, DERBYSHIRE	4	38	300	0.08		A*D					
1992	07	03	03	23	38.3	50.11	-5.18	172.4	28.3	6.5	-0.1	CONSTANTINE, CORNWALL	10	3	171	0.03	0.3	0.4 A*C					
1992	07	03	22	13	37.6	52.87	-1.88	407.7	330.1	5.0	0.7	KINGSTONE, STAFFS	3	42	279	0.25		B*D					
1992	07	03	22	19	08.3	51.71	-3.32	309.1	202.1	0.8	0.7	BEDLINOG, MID GLAMORGAN	6	36	238	0.14	0.5	0.9 A*D	C/F				
1992	07	05	02	51	20.9	51.79	-3.21	316.6	210.7	9.2	0.7	EBBW VALE, GWENT	5	27	232	0.06	2.5	12.3 C*D					
1992	07	06	15	30	24.1	56.60	-6.25	139.0	753.4	8.2	1.4	MULL, STRATHCLYDE	10	85	252	0.19	4.6	11.0 C*D					
1992	07	07	02	31	02.6	53.28	-1.74	417.1	376.2	4.3	0.8	BUXTON, DERBYSHIRE	4	15	269	0.35		C*D COLLAPSE TYPE					
1992	07	08	08	59	58.8	51.93	-2.67	354.0	226.5	18.4	2.1	ROSS-ON-WYE, HER & WOR	37	14	132	0.20	0.5	0.7 B*B					
1992	07	09	21	32	40.0	54.33	-2.43	371.7	492.8	7.7	1.1	GARSDALE, CUMBRIA	13	14	116	0.15	0.6	3.2 B*B					
1992	07	10	15	59	08.9	55.10	-3.63	296.2	579.2	7.8	0.4	DUMFRIES, D & G	8	9	169	0.30	2.1	5.9 C*C					
1992	07	15	03	59	11.3	52.71	-2.01	399.6	312.4	2.0	1.6	HUNTINGTON, STAFFS	12	36	161	0.28	1.3	1.7 B*C					
1992	07	16	04	19	40.5	57.21	-5.28	202.2	818.2	0.7	0.1	GLEN SHIEL, HIGHLAND	4	9	327	0.10		A*D					
1992	07	17	01	11	50.3	56.13	-3.74	292.1	693.9	0.1	1.7	CLACKMANNAN, CENTRAL	26	20	82	0.18	0.4	0.7 B*C	C/F				
1992	07	19	01	26	35.1	50.11	-5.18	172.6	28.2	7.2	0.3	CONSTANTINE, CORNWALL	10	3	169	0.01	0.2	0.2 A*C					
1992	07	19	02	26	11.4	50.11	-5.18	172.7	28.2	7.1	0.0	CONSTANTINE, CORNWALL	9	3	167	0.02	0.3	0.3 A*C					
1992	07	19	03	37	21.6	50.11	-5.18	172.6	28.2	7.1	0.3	CONSTANTINE, CORNWALL	9	3	168	0.02	0.2	0.3 A*C					
1992	07	19	05	49	15.7	50.11	-5.18	172.5	28.2	7.5	0.0	CONSTANTINE, CORNWALL	9	3	169	0.02	0.3	0.3 A*C					
1992	07	19	07	40	31.0	50.11	-5.18	172.7	28.2	7.2	0.4	CONSTANTINE, CORNWALL	10	3	166	0.02	0.3	0.3 A*C					
1992	07	19	18	13	18.6	50.11	-5.18	172.8	28.3	7.2	0.9	CONSTANTINE, CORNWALL	12	3	163	0.02	0.2	0.2 A*C					
1992	07	25	01	31	152.2	50.15	-4.79	200.4	31.1	11.6	1.2	DODMAN POINT, CORNWALL	12	23	327	0.02	0.3	0.2 A*D	SOUTH OF DODMAN POINT				
1992	07	26	08	16	52.7	57.49	-5.66	180.6	849.8	15.1	2.8	STRATHCARRON, HIGHLAND	3+	19	16	227	0.24	1.7	1.0 B*D	FELT STRATHCARRON...			
1992	07	27	02	58	09.0	50.11	-5.18	172.7	28.2	7.1	0.4	CONSTANTINE, CORNWALL	9	3	166	0.01	0.2	0.2 A*C					
1992	07	27	03	03	10.9	50.11	-5.18	172.7	28.4	7.0	0.1	CONSTANTINE, CORNWALL	15	3	166	0.03	0.2	0.2 A*C					
1992	07	28	04	26	16.4	57.47	-5.37	197.8	847.4	2.4	0.2	STRATHCARRON, HIGHLAND	4	5	186	0.13		A*D					
1992	07	28	05	47	50.6	51.80	-3.01	330.5	211.6	17.1	0.4	ABERGAVENNY, GWENT	5	22	188	0.03	0.8	1.2 A*D					
1992	07	28	05	59	36.5	50.11	-5.18	172.7	28.1	7.3	0.0	CONSTANTINE, CORNWALL	9	3	168	0.02	0.2	0.3 A*C					
1992	07	29	18	05	14.1	53.13	-4.39	239.9	362.0	11.0	3.5	CAERNARVON BAY, GWYNEDD	22	15	72	0.06	0.2	0.4 A*B	FELT CAERNARVON, BANGOR...				
1992	07	30	10	38	23.9	50.11	-5.18	172.9	28.2	7.3	0.4	CONSTANTINE, CORNWALL	10	3	161	0.02	0.2	0.2 A*C					
1992	07	30	18	11	144.6	57.22	-5.45	191.5	819.5	3.0	0.3	LOCH DUICH, HIGHLAND	5	2	198	0.06	1.0	1.3 A*D					
1992	07	31	00	54	25.4	53.38	-1.83	411.5	386.5	1.0	0.6	GLOSSOP, DERBYSHIRE	2+	3	24	302	0.03		A*D FELT GLOSSOP				
1992	07	31	06	53	43.7	57.01	-5.74	173.2	797.8	3.7	0.2	MALLAIG, HIGHLAND	4	12	194	0.08		A*D					
1992	08	01	04	13	50.6	54.75	-2.84	345.7	540.2	10.2	1.8	CALTHWAITE, CUMBRIA	38	8	42	0.12	0.2	0.7 A*A					
1992	08	04	18	17	23.4	55.98	-4.41	249.7	678.7	2.1	1.4	MILNEGAVIE, STRATHCLYDE	20	19	136	0.18	0.5	0.7 B*C					
1992	08	04	19	38	52.0	56.17	-3.68	295.5	698.9	23.1	0.4	DOLLAR, CENTRAL	7	14	139	0.17	2.5	4.0 C*C					
1992	08	05	06	17	59.0	55.98	-4.43	248.5	678.6	0.3	0.4	MILNEGAVIE, STRATHCLYDE	6	19	213	0.28	2.9	2.9 C*D					
1992	08	06	07	32	42.0	59.88	6.03	849.0	1137.4	6.4	3.7	NORWEGIAN COAST	19	33	128	0.43	2.2	2.9 C*C					
1992	08	06	18	27	34.6	57.07	-5.68	176.6	803.8	6.9	0.5	LOCH NEVIS, HIGHLAND	7	19	157	0.12	0.9	1.2 A*C					
1992	08	06	18	50	10.7	59.95	-4.55	257.6	1121.3	15.0	2.1	NW OF ORKNEY ISLANDS	5185	343	0.16			D*D					

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Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...	
1992	08	07	09	29	20	4.4	48.93	-1.63	427.0	-107.2	5.2	1.0	OFF GRANVILLE, FRANCE	8	42	352	0.08		D*D	10KM NORTH OF GRANVILLE		
1992	08	08	19	54	06	6.6	57.33	-5.83	169.5	832.5	6.0	0.5	SCALPAY, HIGHLAND	4	11	262	0.07		A*D			
1992	08	08	20	30	00	0.0							MADNESS CONCERT, LONDON	2+							FELT NE LONDON	
1992	08	08	22	52	15	7.7	57.31	-5.83	169.3	830.7	5.0	0.8	SCALPAY, HIGHLAND	5	11	237	0.09	3.9	3.3	C*D		
1992	08	09	20	00	00	0.0							MADNESS CONCERT, LONDON	2+							FELT NE LONDON	
1992	08	11	04	27	47	3.3	54.19	-0.08	525.5	479.4	0.7	1.6	BRIDLINGTON, HUMBERSIDE	8	84	276	0.08	3.5	2.2	C*D		
1992	08	11	10	18	56	8.8	56.12	-3.74	291.6	693.5	0.3	1.5	CLACKMANNAN, CENTRAL	17	20	83	0.11	0.3	0.5	A*C	C/F	
1992	08	14	09	50	07	9.7	57.14	-5.47	190.0	810.4	2.3	0.4	GLEN SHIEL, HIGHLAND	7	9	202	0.17	0.7	0.7	B*D		
1992	08	14	20	02	32	5.5	57.24	-5.65	179.8	822.1	5.1	0.1	GLEN SHIEL, HIGHLAND	4	11	257	0.01			A*D		
1992	08	15	00	52	48	5.5	53.51	-2.58	361.8	401.1	13.1	1.5	GOLBORNE, GT MANCHESTER	28	38	160	0.22	0.7	1.2	B*C		
1992	08	17	00	53	35	2.2	51.68	-3.26	312.9	198.6	1.6	2.2	BARGOED, MID GLAMORGAN	5+	32	24	49	0.19	0.4	1.0	B*C	FELT BARGOED, NELSON..C/F
1992	08	19	22	34	04	1.1	52.98	-4.43	237.1	345.6	13.6	-0.1	LLANAELHAEARNS, GWYNEDD	9	0	122	0.23	1.9	3.4	B*B		
1992	08	20	09	22	20	2.2	56.38	-5.79	166.2	726.9	10.1	1.8	MULL, STRATHCLYDE	14	60	225	0.22	2.8	2.2	C*D		
1992	08	21	16	46	42	2.2	51.88	-2.75	348.1	220.4	13.4	1.7	MONMOUTH, GWENT	21	21	142	0.16	0.5	0.5	B*C	7KM NORTH OF MONMOUTH	
1992	08	25	11	24	45	9.9	54.51	-2.58	362.4	513.2	2.4	1.7	ORTON, CUMBRIA	35	25	48	0.17	0.3	0.6	B*C	5KM NORTH OF ORTON	
1992	08	27	15	52	00	3.3	56.03	-6.02	149.7	689.1	11.1	2.7	JURA, STRATHCLYDE	36	81	247	0.25	1.0	0.9	B*D	OFFSHORE LOCATION	
1992	08	28	01	48	52	8.8	56.12	-3.74	292.1	693.7	0.7	1.4	CLACKMANNAN, CENTRAL	23	20	81	0.12	0.3	0.4	A*C	C/F	
1992	08	28	18	37	51	3.3	60.07	6.16	853.2	21159.4	1.0	2.9	NORWEGIAN COAST	4404	353	0.08				A*D		
1992	08	28	18	57	46	5.5	52.71	-4.18	252.6	315.3	12.2	1.0	BARMOUTH, GWYNEDD	8	33	293	0.16	2.4	1.9	B*D	OFFSHORE LOCATION	
1992	08	29	04	26	44	8.8	52.97	-4.38	240.1	344.0	22.0	1.6	LLEYN PENINSULA	16	3	84	0.08	0.4	0.8	A*A	LLEYN AFTERSHOCK	
1992	08	31	18	25	53	6.6	55.06	3.89	776.2	590.2	19.1	3.7	CENTRAL NORTH SEA	29296	213	0.38	2.0	3.2	C*D			
1992	08	31	20	49	19	5.5	51.71	-3.30	310.0	202.3	0.4	1.1	BEDLINOOG, MID GLAMORGAN	6	35	170	0.07	0.4	1.5	A*C	C/F	
1992	09	01	02	25	05	1.7	53.63	-2.68	355.3	415.4	11.2	1.7	CHORLEY, LANCASHIRE	14	25	223	0.23	2.0	1.4	B*D		
1992	09	02	19	27	01	2.2	54.05	-0.61	491.2	463.0	10.1	2.1	SLEDMORE, HUMBERSIDE	19	31	172	0.40	1.6	3.5	C*C		
1992	09	07	22	59	35	2.2	56.17	-3.58	301.8	698.4	4.6	1.3	DOLLAR, CENTRAL	13	10	98	0.13	0.5	1.4	A*B		
1992	09	08	20	30	57	3.3	56.12	-3.73	292.4	693.8	0.1	1.1	CLACKMANNAN, CENTRAL	12	20	85	0.06	0.2	0.3	A*C	C/F	
1992	09	09	00	16	05	1.1	52.71	-2.03	398.3	312.1	0.7	1.5	CANNOCK, STAFFORDSHIRE	16	37	118	0.46	1.5	4.0	C*C		
1992	09	09	16	13	41	9.9	57.67	-5.56	187.6	870.5	7.7	0.3	LOCH MAREE, HIGHLAND	4	25	313	0.01			A*D		
1992	09	10	10	23	44	6.6	57.10	-5.72	174.6	807.6	3.4	0.6	KNOYDART, HIGHLAND	6	22	172	0.20	0.4	9.5	C*C		
1992	09	11	00	24	31	5.5	51.68	-3.73	280.7	199.4	14.7	1.0	NEATH, WEST GLAMORGAN	5	54	301	0.06	1.1	2.6	B*D	7KM NW OF NEATH	
1992	09	11	13	54	07	3.3	57.68	-5.51	190.6	870.8	6.3	0.4	LOCH MAREE, HIGHLAND	4	24	315	0.02			A*D		
1992	09	13	01	34	44	2.2	57.49	-5.48	191.4	849.7	6.9	0.2	STRATHCARRON, HIGHLAND	6	11	233	0.04	0.7	0.5	A*D		
1992	09	13	06	38	41	1.1	52.62	-0.61	494.2	303.1	3.5	2.2	KETTON, LEICESTERSHIRE	10	15	154	0.18	2.3	5.0	C*C		
1992	09	16	09	55	36	2.2	49.60	-2.98	329.4	-33.1	7.2	1.3	GUERNSEY, CHANNEL ISLES	7	70	355	0.11	14.0		D*D	30KM NW OF GUERNSEY	
1992	09	17	00	16	34	3.3	56.73	4.49	796.4	779.0	5.0	2.9	CENTRAL NORTH SEA	11441	336	0.25				D*D		
1992	09	18	01	18	52	2.9	52.72	-1.98	401.0	313.9	0.5	1.3	CANNOCK, STAFFORDSHIRE	16	34	117	0.39	1.2	1.7	C*C	C/F	
1992	09	19	18	20	47	5.6	56.36	-5.72	170.2	725.2	3.5	0.9	MULL, STRATHCLYDE	4	84	355	0.07			A*D		
1992	09	20	08	11	31	4.4	54.75	-4.03	269.5	541.8	12.9	1.1	KIRKCUDBRIGHT BAY, D&G	23	13	98	0.17	0.5	1.5	B*B		
1992	09	20	09	56	80	4.4	56.82	-6.25	140.5	778.2	4.8	0.9	MUCK, HIGHLAND	8	28	325	0.19	6.0	5.4	D*D		
1992	09	21	22	23	04	0.6	56.25	-3.90	282.1	707.6	0.0	0.5	SHERIFFMUIR, CENTRAL	4	24	247	0.16			B*D		
1992	09	22	17	25	51	7.0	50.11	-5.18	173.0	28.2	7.0	0.7	CONSTANTINE, CORNWALL	14	3	161	0.02	0.2	0.1	A*C		
1992	09	23	10	47	57	9.9	51.01	-3.60	287.9	125.2	10.4	2.7	TIVERTON, DEVON	40	15	85	0.35	0.8	1.4	C*B	10KM NW OF TIVERTON	
1992	09	25	05	26	09	4.4	53.39	-1.30	446.4	388.2	0.2	2.0	AUGHTON, S YORKSHIRE	8	21	293	0.27	4.9	3.2	C*D	C/F	
1992	09	26	00	35	42	4.4	60.34	-4.83	243.6	1164.7	10.0	2.3	WEST OF SHETLAND	7203	281	0.11	6.8	6.8	D*D			
1992	09	28	16	04	29	1.1	56.13	-3.69	294.6	694.3	0.1	1.7	CLACKMANNAN, CENTRAL	2+	24	18	84	0.24	0.5	0.9	B*C	FELT FORESTMILL, C/F
1992	09	29	01	32	11	9.9	54.82	-2.91	341.2	547.4	2.7	0.2	GAITSGILL, CUMBRIA	5	2	255	0.06	2.5	0.6	B*D		
1992	09	29	03	16	31	8.8	56.30	-3.87	284.5	713.2	0.3	0.5	SHERIFFMUIR, CENTRAL	6	23	249	0.13	4.9	2.8	C*D		
1992	09	30	16	55	24	6.0	55.37	-5.25	194.1	613.1	4.3	1.2	ARRAN, STRATHCLYDE	9	22	128	0.45	4.3	11.9	C*C	8KM SOUTH OF ARRAN	
1992	09	30	19	50	04	6.6	55.18	-5.57	172.9	593.3	7.3	1.4	NORTH CHANNEL	11	18	129	0.23	1.1	1.9	B*C		
1992	09	30	22	21	64	2.3	56.74	-5.07	212.5	765.6	9.2	1.2	KINLOCHLEVEN, HIGHLAND	10	10	127	0.10	1.7	2.8	B*B		

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 1992

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...
1992	09	30	23	06	24.2	52.33	-4.27	245.3	273.1	2.7	1.5	CARDIGAN BAY, WALES	13	42	133	0.34	1.0	3.2	C*C	15KM SW OF ABERYSTWYTH	
1992	1001	01	05	07	32.3	55.03	-2.89	342.7	570.6	9.4	1.3	LONGTOWN, CUMBRIA	32	12	75	0.12	0.3	0.7	A*B		
1992	1002	02	05	15	42.2	53.72	-2.19	387.5	424.8	2.1	1.6	BACUP, LANCASHIRE	28	28	170	0.18	0.5	0.9	B*C		
1992	1007	07	08	57	20.4	51.82	-3.49	297.2	214.3	9.1	1.4	M TYDFIL, MID GLAMORGAN	8	33	127	0.09	0.7	6.5	C*C	11KM NW MERTHYR TYDFIL	
1992	1007	07	09	25	31.9	51.82	-3.49	297.5	214.6	9.0	1.2	M TYDFIL, MID GLAMORGAN	7	32	127	0.03	0.1	1.4	A*C	11KM NW MERTHYR TYDFIL	
1992	1008	08	04	04	05.7	57.52	-5.29	203.0	852.6	9.8-0.2	GLEN CARRON, HIGHLAND	4	2	324	0.05			A*D			
1992	1009	09	00	00	17.2	56.25	-3.93	280.7	708.6	4.8	0.4	BRACO, CENTRAL	7	26	198	0.19	2.1	3.4	B*D		
1992	1009	09	22	38	47.0	53.24	-1.67	421.7	371.3	5.4	1.1	HASSOP, DERBYSHIRE	7	10	136	0.35	14.0		D*C		
1992	1010	10	03	16	33.1	56.13	-3.70	294.3	694.3	0.3	1.1	CLACKMANNAN, CENTRAL	10	18	165	0.19	0.7	1.0	B*C	C/F	
1992	1015	15	15	50	56.6	56.90	-5.48	188.1	784.0	7.1	1.8	GLENFINNAN, HIGHLAND	22	21	117	0.24	1.1	1.9	B*C		
1992	2017	17	02	19	38.7	61.97	-2.13	616.7	71350.5	8.3	4.1	NORTHERN NORTH SEA	41173	245	0.48	5.1	5.5	D*D			
1992	2019	19	10	19	57.7	50.11	-5.18	172.9	28.3	7.1	0.1	CONSTANTINE, CORNWALL	7	3	162	0.01	0.2	0.2	A*C		
1992	2019	19	120	30	2.2	55.18	-3.31	316.3	588.3	5.6-0.1	BORELAND, D & G	6	17	166	0.11	0.1	1.1	A*C			
1992	2019	19	142	75	8.3	53.33	-1.75	416.5	381.8	2.2	1.5	CASTLETON, DERBYSHIRE	8	17	154	0.36	2.0	2.6	C*C		
1992	2020	20	20	20	14.8	56.13	-3.68	295.3	693.9	0.9	0.3	CLACKMANNAN, CENTRAL	2+	5	17	160	0.08	1.1	1.5	B*D	FELT FORESTMILL, C/F
1992	2021	21	140	41	8.8	57.71	-5.55	188.4	874.3	1.0	0.3	LOCH MAREE, HIGHLAND	5	28	319	0.05	3.4		C*D		
1992	2022	22	01	55	15.7	53.27	-1.65	423.6	374.6	3.4	1.3	CALVER, DERBYSHIRE	6	8	131	0.21	1.7	4.5	B*B		
1992	2025	25	09	42	06.7	56.73	-5.12	209.1	764.3	6.4	2.2	LOCH LEVEN, HIGHLAND	2+	45	14	129	0.32	0.6	1.1	C*C	FELT ONICH, FORT WILLIAM..
1992	2025	25	213	35	1.3	56.14	-3.94	279.5	696.1	2.4	1.5	STIRLING, CENTRAL	3+	29	20	58	0.09	0.2	0.3	A*C	FELT BRIDGE OF ALLAN
1992	2025	25	221	62	7.7	65.22	0.76	529.0	01708.0	20.0	3.9	NORWEGIAN SEA	11445	299	0.26			D*D			
1992	2030	30	0510	44	9.9	56.17	-4.76	228.9	700.4	6.4	2.2	ARROCHAR, STRATHCLYDE	21	26	143	0.15	0.4	1.0	B*C		
1992	2030	30	173	41	5.0	49.67	-9.11	-112.5	-0.6	4.3	2.5	SCILLY ISLES, CORNWALL	12259	354	0.60		19.7	D*D	220KM SW OF SCILLY ISLES		
1992	2104	104	04	02	0.0	62.03	-2.21	620.2	21356.9	13.7	3.2	NORTHERN NORTH SEA	21174	247	0.36	4.7	5.4	C*D			
1992	2104	104	0930	29	0.0							SONIC-ORKNEY ISLANDS								SONIC-FELT ORKNEY...	
1992	2104	104	1240	26	2.2	56.11	-3.69	294.9	692.0	3.6	0.9	CLACKMANNAN, CENTRAL	6	19	159	0.06	0.5	16.4	C*C	C/F	
1992	2104	104	1918	27	3.3	50.11	-5.18	172.9	28.2	7.3-0.3	CONSTANTINE, CORNWALL	7	3	162	0.01	0.2	0.3	A*C			
1992	2105	105	2217	24	7.7	53.03	-1.18	454.6	348.2	5.0	1.2	HUCKNALL, NOTTS	5	33	192	0.11	4.4	8.0	C*D		
1992	2106	106	2146	30	2.2	50.11	-5.18	172.3	28.3	6.7	0.7	CONSTANTINE, CORNWALL	10	3	172	0.03	0.4	0.3	A*C		
1992	2108	108	173	39	5.3	54.60	-3.70	289.9	523.9	8.9	2.0	WHITEHAVEN, CUMBRIA	47	17	59	0.22	0.4	0.7	B*B	OFFSHORE LOCATION	
1992	2108	108	1912	34	6.6	61.88	2.94	659.4	41342.8	31.4	4.7	NORTHERN NORTH SEA	2+	25116	197	0.32	1.9		C*D	FELT MORE, NORWAY	
1992	2108	108	1942	07	9.9	50.33	-6.15	104.6	56.7	1.0	1.3	SCILLY ISLES, CORNWALL	8	68	354	0.05			D*D	NE OF SCILLY ISLES	
1992	2110	110	0052	25	4.4	50.11	-5.17	173.2	28.2	7.0	0.1	CONSTANTINE, CORNWALL	8	3	155	0.01	0.2	0.2	A*C		
1992	2111	111	0631	15	9.2	53.29	-1.34	444.1	376.8	0.5	1.5	CLOWNE, DERBYSHIRE	7	45	232	0.44	3.5	3.6	C*D	COLLAPSE TYPE	
1992	2112	112	0900	20	6.6	53.26	-2.41	372.4	373.8	3.1	1.8	NORTHWICH, CHESHIRE	12	47	159	0.28	1.4	3.4	B*C		
1992	2112	112	1809	22	0.0							SONIC-PETERBOROUGH								SONIC-FELT PETERBOROUGH..	
1992	2113	113	0924	32	0.0	50.11	-5.18	172.7	28.6	7.3	0.8	CONSTANTINE, CORNWALL	7	3	284	0.02	0.3	0.2	A*D		
1992	2115	115	0154	20	7.7	52.27	-2.84	342.4	263.8	0.4	1.0	LEOMINSTER, HER & WOR	8	28	148	0.36	3.1	9.5	C*C		
1992	2117	117	1151	10	0.0							SONIC-PETERBOROUGH								SONIC-FELT PETERBOROUGH..	
1992	2117	117	1214	16	0.0							SONIC-PETERBOROUGH								SONIC-FELT PETERBOROUGH..	
1992	2117	117	2346	24	3.3	49.08	-2.35	374.6	-90.8	8.9	0.3	JERSEY, CHANNEL ISLES	9	17	335	0.08	2.7	8.0	C*D	25KM SW OF JERSEY	
1992	2119	119	1300	28	0.0							SONIC-PETERBOROUGH								SONIC-FELT PETERBOROUGH..	
1992	2120	120	0737	22	6.6	53.46	-1.22	451.6	396.5	0.1	1.8	MALTBY, SOUTH YORKSHIRE	6	43	210	0.24	2.4	2.1	B*D	C/F	
1992	2121	121	0415	09	5.5	56.13	-3.72	293.1	693.9	0.5	1.0	CLACKMANNAN, CENTRAL	23	19	81	0.26	0.5	0.9	B*C	C/F	
1992	2123	123	0530	15	2.2	56.43	-5.76	167.9	732.8	8.2	2.1	MULL, STRATHCLYDE	23	54	167	0.32	1.1	2.4	C*D		
1992	2123	123	1023	03	0.0							SONIC-NEWARK-ON-TRENT								SONIC-FELT NEWARK AREA	
1992	2124	124	0936	16	0.0							SONIC-PETERBOROUGH								SONIC-FELT PETERBOROUGH..	
1992	2127	127	2018	49	4.4	53.68	-1.99	400.4	420.2	9.4	2.0	RIPPONDEN, W YORKSHIRE	12	17	140	0.25	3.2	6.2	C*C		
1992	2128	128	0427	08	8.8	49.72	-5.71	132.8	-13.2	4.1	1.7	LAND'S END, CORNWALL	13	49	324	0.06	0.8	1.0	A*D	25KM SW OF LAND'S END	
1992	2130	130	2141	03	6.6	53.10	-2.10	393.1	356.1	1.8	1.3	LEEK, STAFFORDSHIRE	7	20	124	0.23	1.7	2.5	B*C		
1992	21201	1201	1123	33	8.0							SONIC-PENZANCE								SONIC-FELT PENZANCE...	

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 1992

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...
1992	12	202	16	35	00.9	50.11	-5.18	172.6	28.3	6.9	0.8	CONSTANTINE, CORNWALL	9	3	168	0.02	0.2	0.2	A*C		
1992	12	207	13	45	49.7	53.25	-4.24	250.4	374.7	11.4	0.6	LLANGEFNI, GWYNEDD	12	11	101	0.05	0.3	0.5	A*B		
1992	12	209	01	06	33.1	57.71	-5.10	215.4	873.3	7.7	1.1	LOCH FANNICH, HIGHLAND	4	26	348	0.02			A*D		
1992	12	209	21	41	52.5	55.47	-3.47	307.0	620.5	10.4	0.4	TWEEDSMUIR, BORDERS	10	24	296	0.07	0.7	2.4	B*D		
1992	12	214	13	32	35.1	57.12	-5.49	188.4	808.3	0.5	0.3	GLEN SHIEL, HIGHLAND	5	27	207	0.02	0.4	0.4	A*D		
1992	12	216	21	09	27.8	50.11	-5.18	173.0	28.2	7.1	0.3	CONSTANTINE, CORNWALL	12	3	160	0.02	0.2	0.2	A*C		
1992	12	216	21	15	20.9	50.11	-5.18	173.0	28.2	7.1	0.1	CONSTANTINE, CORNWALL	12	3	159	0.02	0.2	0.2	A*C		
1992	12	217	05	02	30.9	50.11	-5.18	172.8	28.1	7.0	0.1	CONSTANTINE, CORNWALL	11	3	164	0.02	0.3	0.3	A*C		
1992	12	218	16	00	14.1	51.94	-3.44	301.3	228.2	14.9	1.1	BRECON, POWYS	7	19	166	0.11	1.9	1.4	B*C		
1992	12	221	13	02	00.2	55.77	-4.61	235.9	655.9	0.8	1.6	EXPL-BEITH, STRATHCLYDE	2+	22	10	208	0.08	0.3	0.3	A*D	EXPL-FELT BEITH AREA
1992	12	223	18	39	14.9	52.74	-1.97	402.0	315.7	1.8	1.8	RUGELEY, STAFFORDSHIRE	10	45	115	0.12	0.5	0.8	A*C		
1992	12	225	21	54	46.9	54.78	-3.21	321.9	544.1	9.0	0.1	MEALSGATE, CUMBRIA	5	6	159	0.02	0.3	0.6	A*D		
1992	12	226	05	23	09.1	59.24	1.49	598.9	1044.7	9.9	3.9	NORTHERN NORTH SEA	5	11	60	117	0.43	0.9	2.0	C*D	
1992	12	226	05	50	25.8	53.46	-4.28	249.0	398.6	15.7	0.2	AMLWCH, GWYNEDD	12	8	152	0.04	0.3	0.4	A*C	OFFSHORE LOCATION	
1992	12	226	17	05	59.8	51.81	-1.52	432.7	212.5	9.4	1.5	WITNEY, OXFORDSHIRE	8	75	255	0.04	0.4	0.5	A*D		
1992	12	227	18	55	40.3	56.99	-5.74	172.8	795.4	3.7	0.5	LOCH NEVIS, HIGHLAND	4	10	205	0.29			B*D		
1992	12	230	15	49	24.9	56.38	-4.46	248.1	723.3	2.2	2.2	BALQUHIDDER, CENTRAL	32	22	109	0.29	0.7	1.0	B*C		
1992	12	230	17	13	37.2	56.35	-4.37	253.8	720.0	4.5	0.9	BALQUHIDDER, CENTRAL	8	18	229	0.25	4.3	3.5	C*D		



**TABLE 2**  
**CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 1992**

## KEY TO CATALOGUE ENCODING

<b>YearMoDy</b>	: Year, month and day of event.
<b>HrMn Secs</b>	: Time of occurrence of event in hours, mins and secs, (UTC).
<b>Lat</b>	: Latitude of the event, positive latitude indicates north.
<b>Lon</b>	: Longitude of the event, negative longitude indicates west.
<b>kmE</b>	: UK National Grid Reference in kilometres east of grid origin.
<b>kmN</b>	: UK National Grid Reference in kilometres north of grid origin.
<b>Dep</b>	: Depth of the hypocentre in kilometres.
<b>Mag</b>	: Richter local magnitude of the earthquake.
<b>Locality</b>	: 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.
<b>Int</b>	: Maximum MSK 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 MSK intensity produced by the event.
<b>Comments</b>	: 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)

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

### Locality abbreviations

<b>Sonic</b>	: Sonic boom	<b>M Glamorgan</b>	: Mid Glamorgan
<b>Expl</b>	: Explosion	<b>Notts</b>	: Nottinghamshire
<b>D &amp; G</b>	: Dumfries and Galloway	<b>Derbs</b>	: Derbyshire
<b>Her &amp; Wor</b>	: Hereford and Worcester	<b>N Yorks(hire)</b>	: North Yorkshire
<b>Gt(r) Manchester</b>	: Greater Manchester	<b>S Yorks(hire)</b>	: South Yorkshire
<b>Cambs</b>	: Cambridgeshire	<b>W Yorks(hire)</b>	: West Yorkshire
<b>S Glamorgan</b>	: South Glamorgan	<b>Staffs</b>	: Staffordshire
<b>M Tydfil</b>	: Merthyr Tydfil		

### Comments abbreviations

<b>Sonic</b>	: Sonic boom
<b>Expl</b>	: Explosion
<b>C/F</b>	: Coalfield type event
<b>...</b>	: and felt elsewhere

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 1992

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...
1992	10	25	22	16	25.7	65.22	0.76	529.0	1708.0	20.0	3.9	NORWEGIAN SEA	11445	299	0.26					D*D	
1992	04	10	15	26	37.6	62.06	2.48	634.0	01360.8	15.0	2.6	NORTHERN NORTH SEA	14131	236	0.30	4.3	4.5	4.5	C*D		
1992	11	04	04	20	02.0	62.03	2.21	620.2	1356.9	13.7	3.2	NORTHERN NORTH SEA	21174	247	0.36	4.7	5.4	5.4	C*D		
1992	06	28	12	23	31.4	62.00	4.85	758.4	1365.6	15.0	3.2	NORWEIGIAN COAST	22	27	260	0.68	4.4	2.5	D*D		
1992	10	17	02	19	38.7	61.97	2.13	616.7	1350.5	8.3	4.1	NORTHERN NORTH SEA	41173	245	0.48	5.1	5.5	5.5	D*D		
1992	11	08	19	12	34.6	61.88	2.94	659.4	1342.8	31.4	4.7	NORTHERN NORTH SEA	2+	25116	197	0.32	1.9			C*D	FELT MORE, NORWAY
1992	01	27	22	16	05.6	61.64	1.88	605.7	1312.5	0.6	2.6	NORTHERN NORTH SEA	12167	238	0.93	5.5	5.8	5.8	D*D		
1992	10	10	21	59	02.3	61.60	3.32	682.1	11313.3	12.9	3.4	NORTHERN NORTH SEA	20	98	231	0.40	2.9	2.3	C*D		
1992	05	22	08	40	19.0	61.09	4.26	737.1	1261.8	19.3	2.9	NORTHERN NORTH SEA	18	27	126	0.19	0.8	1.0	B*B		
1992	10	05	05	40	28.2	60.35	3.94	727.3	1177.2	3.5	2.6	NORTHERN NORTH SEA	7	91	209	0.37	10.4	3.9	D*D		
1992	09	26	00	35	42.4	60.34	-4.83	243.6	1164.7	10.0	2.3	WEST OF SHETLAND	7203	281	0.11	6.8	6.8	6.8	D*D		
1992	08	28	18	37	51.3	60.07	6.16	853.2	1159.4	1.0	2.9	NORWEGIAN COAST	4404	353	0.08				A*D		
1992	08	06	18	50	10.7	59.95	-4.55	257.6	1121.3	15.0	2.1	NW OF ORKNEY ISLANDS	5185	343	0.16				D*D		
1992	08	06	07	32	42.0	59.88	6.03	849.0	01137.4	6.4	3.7	NORWEGIAN COAST	19	33	128	0.43	2.2	2.9	C*C		
1992	06	05	11	48	48.5	59.83	1.66	605.3	1110.1	7.3	2.0	NORTHERN NORTH SEA	14162	169	0.34	1.9	3.2	3.2	C*D		
1992	10	02	21	39	48.7	59.69	1.42	592.5	1094.0	15.0	2.4	NORTHERN NORTH SEA	6153	217	0.07	4.8	5.0	5.0	C*D		
1992	12	26	05	23	09.1	59.24	1.49	598.9	1044.7	9.9	3.9	NORTHERN NORTH SEA	51160	117	0.43	0.9	2.0	2.0	C*D		
1992	04	10	18	00	13.6	58.86	-0.06	511.7	998.5	15.0	1.8	NORTHERN NORTH SEA	4145	357	0.07				A*D		
1992	03	12	23	19	37.2	57.90	-5.45	195.5	894.8	8.6	1.6	GRUINARD BAY, HIGHLAND	10	45	239	0.23	2.2	4.9	B*D		
1992	01	21	14	04	18.8	57.71	-5.55	188.4	874.3	1.0	0.3	LOCH MAREE, HIGHLAND	5	28	319	0.05	3.4		C*D		
1992	12	20	01	06	33.1	57.71	-5.10	215.4	873.3	7.7	1.1	LOCH FANNICH, HIGHLAND	4	26	348	0.02			A*D		
1992	09	11	13	54	07.3	57.68	-5.51	190.6	870.8	6.3	0.4	LOCH MAREE, HIGHLAND	4	24	315	0.02			A*D		
1992	09	09	16	13	41.9	57.67	-5.56	187.6	870.5	7.7	0.3	LOCH MAREE, HIGHLAND	4	25	313	0.01			A*D		
1992	03	25	15	38	31.8	57.56	-5.01	220.1	855.9	1.0	1.2	ACHNASHEEN, HIGHLAND	5	19	323	0.09	1.8	1.6	B*D		
1992	10	08	04	40	05.7	57.52	-5.29	203.0	852.6	9.8	-0.2	GLEN CARRON, HIGHLAND	4	2	324	0.05			A*D		
1992	07	26	08	16	52.7	57.49	-5.66	180.6	849.8	15.1	2.8	STRATHCARRON, HIGHLAND	3+	19	16	227	0.24	1.7	1.0	B*D	FELT STRATHCARRON...
1992	09	13	01	34	44.2	57.49	-5.48	191.4	849.7	6.9	0.2	STRATHCARRON, HIGHLAND	6	11	233	0.04	0.7	0.5	A*D		
1992	07	28	04	26	16.4	57.47	-5.37	197.8	847.4	2.4	0.2	STRATHCARRON, HIGHLAND	4	5	186	0.13			A*D		
1992	02	18	22	07	44.1	57.46	-5.35	198.9	846.1	1.5	0.2	BALNACRA, HIGHLAND	5	5	164	0.23	4.2	5.4	C*D		
1992	04	30	18	18	58.2	57.42	-5.48	191.3	842.2	2.5	-0.1	TULLICH, HIGHLAND	6	14	183	0.23	2.5		C*D		
1992	03	29	03	43	56.6	57.33	-5.44	192.8	832.0	2.6	0.7	SALLACHY, HIGHLAND	5	13	150	0.09	1.1		C*D		
1992	08	08	19	54	06.6	57.33	-5.83	169.5	832.5	6.0	0.5	SCALPAY, HIGHLAND	4	11	262	0.07			A*D		
1992	02	25	22	03	19.9	57.31	-5.52	188.2	829.6	3.0	0.8	AUCHTERTYRE, HIGHLAND	6	9	140	0.10	0.8		C*C		
1992	08	08	22	25	15.7	57.31	-5.83	169.3	830.7	5.0	0.8	SCALPAY, HIGHLAND	5	11	237	0.09	3.9	3.3	C*D		
1992	07	02	06	13	31.1	57.25	-5.49	189.7	823.4	2.5	-0.1	LOCH DUICH, HIGHLAND	4	6	188	0.61			D*D		
1992	08	14	20	02	32.5	57.24	-5.65	179.8	822.1	5.1	0.1	GLEN SHIEL, HIGHLAND	4	11	257	0.01			A*D		
1992	05	17	03	04	53.9	57.23	-5.46	191.3	820.5	1.9	-0.2	GLEN SHIEL, HIGHLAND	4	3	183	0.13			A*D		
1992	07	30	18	11	44.6	57.22	-5.45	191.5	819.5	3.0	0.3	LOCH DUICH, HIGHLAND	5	2	198	0.06	1.0	1.3	A*D		
1992	07	16	04	19	40.5	57.21	-5.28	202.2	818.2	0.7	0.1	GLEN SHIEL, HIGHLAND	4	9	327	0.10			A*D		
1992	08	14	09	50	07.9	57.14	-5.47	190.0	810.4	2.3	0.4	GLEN SHIEL, HIGHLAND	7	9	202	0.17	0.7	0.7	B*D		
1992	12	14	13	32	35.1	57.12	-5.49	188.4	808.3	0.5	0.3	GLEN SHIEL, HIGHLAND	5	27	207	0.02	0.4	0.4	A*D		
1992	05	03	17	18	31.1	57.10	-5.63	180.1	806.7	9.3	1.2	KNOYDART, HIGHLAND	15	18	229	0.19	1.0	1.6	B*D		
1992	09	10	10	23	44.6	57.10	-5.72	174.6	807.6	3.4	0.6	KNOYDART, HIGHLAND	6	22	172	0.20	0.4	9.5	C*C		
1992	05	18	02	28	37.6	57.08	6.39	907.9	829.6	10.0	3.4	CENTRAL NORTH SEA	32539	281	0.46	9.6	12.3	D*D			
1992	08	06	18	27	34.6	57.07	-5.68	176.6	803.8	6.9	0.5	LOCH NEVIS, HIGHLAND	7	19	157	0.12	0.9	1.2	A*C		
1992	07	31	06	53	43.7	57.01	-5.74	173.2	797.8	3.7	0.2	MALLAIG, HIGHLAND	4	12	194	0.08			A*D		
1992	12	27	18	55	40.3	56.99	-5.74	172.8	795.4	3.7	0.5	LOCH NEVIS, HIGHLAND	4	10	205	0.29			B*D		
1992	10	15	15	55	06.6	56.90	-5.48	188.1	784.0	7.1	1.8	GLENFINNAN, HIGHLAND	22	21	117	0.24	1.1	1.9	B*C		
1992	09	20	09	58	04.4	56.82	-6.25	140.5	778.2	4.8	0.9	MUCK, HIGHLAND	8	28	325	0.19	6.0	5.4	D*D		
1992	09	30	22	64	23.3	56.74	-5.07	212.5	765.6	9.2	1.2	KINLOCHLEVEN, HIGHLAND	10	10	127	0.10	1.7	2.8	B*B		

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 1992

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...	
19920917	00	1634.3	56.73	4.49	796.4	779.0	5.0	2.9	CENTRAL NORTH SEA				11	441	336	0.25				D*D		
19921025	09	4206.7	56.73	-5.12	209.1	764.3	6.4	2.2	LOCH LEVEN, HIGHLAND				2+	45	14	129	0.32	0.6	1.1	C*C	FELT ONICH, FORT WILLIAM..	
19920515	17	1324.4	56.67	-5.55	182.6	758.3	1.0	2.0	KINGAIRLOCH, HIGHLAND					7104	339	0.13	15.4	12.2	D*D			
19920706	15	3024.1	56.60	-6.25	139.0	753.4	8.2	1.4	MULL, STRATHCLYDE					10	85	252	0.19	4.6	11.0	C*D		
19920329	02	4727.3	56.56	-3.76	292.0	742.3	7.1	0.2	SCOTSTON, TAYSIDE					6	10	295	0.02	0.3	0.2	A*D		
19920107	05	2135.5	56.46	-5.94	157.4	736.6	1.0	1.5	MULL, STRATHCLYDE					6101	342	0.17				D*D		
19921123	05	3015.2	56.43	-5.76	167.9	732.8	8.2	2.1	MULL, STRATHCLYDE					23	54	167	0.32	1.1	2.4	C*D		
19920820	09	2220.2	56.38	-5.79	166.2	726.9	10.1	1.8	MULL, STRATHCLYDE					14	60	225	0.22	2.8	2.2	C*D		
19921230	15	4924.9	56.38	-4.46	248.1	723.3	2.2	2.2	BALQUHIDDER, CENTRAL					32	22	109	0.29	0.7	1.0	B*C		
19920919	18	2047.7	56.36	-5.72	170.2	725.2	3.5	0.9	MULL, STRATHCLYDE					4	84	355	0.07			A*D		
19921230	17	1337.2	56.35	-4.37	253.8	720.0	4.5	0.9	BALQUHIDDER, CENTRAL					8	18	229	0.25	4.3	3.5	C*D		
19920129	08	3610.0	56.31	-4.46	247.8	715.9	1.0	1.7	BALQUHIDDER, CENTRAL					2+	36	16	129	0.38	0.9	1.1	C*C	FELT INVERLOCHLARIG
19920929	03	1638.8	56.30	-3.87	284.5	713.2	0.3	0.5	SHERIFFMUIR, CENTRAL					6	23	249	0.13	4.9	2.8	C*D		
19920921	22	3040.6	56.25	-3.90	282.1	707.6	0.0	0.5	SHERIFFMUIR, CENTRAL					4	24	247	0.16			B*D		
19921009	00	0017.2	56.25	-3.93	280.7	708.6	4.8	0.4	BRACO, CENTRAL					7	26	198	0.19	2.1	3.4	B*D		
19920420	06	3609.4	56.22	-2.72	692.7	713.0	5.0	2.2	CENTRAL NORTH SEA					17	322	317	0.41			D*D		
19920126	16	3033.4	56.21	-3.94	279.4	703.9	5.6	1.3	DUNBLANE, CENTRAL					12	25	123	0.21	1.7	4.0	B*C		
19920804	19	3852.0	56.17	-3.68	295.5	698.9	23.1	0.4	DOLLAR, CENTRAL					7	14	139	0.17	2.5	4.0	C*C		
19920907	22	5935.2	56.17	-3.58	301.8	698.4	4.6	1.3	DOLLAR, CENTRAL					13	10	98	0.13	0.5	1.4	A*B		
19921030	05	1044.9	56.17	-4.76	228.9	700.4	6.4	2.2	ARROCHAR, STRATHCLYDE					21	26	143	0.15	0.4	1.0	B*C		
19920413	22	0414.7	56.14	-3.68	295.8	695.7	1.0	1.3	CLACKMANNAN, CENTRAL					2+	12	16	87	0.49	1.7	3.0	C*C	FELT CLACKMANNAN, C/F
19921025	21	3351.3	56.14	-3.94	279.5	696.1	2.4	1.5	STIRLING, CENTRAL					3+	29	20	58	0.09	0.2	0.3	A*C	FELT BRIDGE OF ALLAN
19920107	03	1741.5	56.13	-3.75	291.2	694.1	1.0	1.1	CLACKMANNAN, CENTRAL					4	20	285	0.01			A*D	C/F	
19920303	22	3204.7	56.13	-3.74	292.0	693.8	1.7	1.0	CLACKMANNAN, CENTRAL					13	20	85	0.10	0.4	0.7	A*C	C/F	
19920316	22	5301.6	56.13	-3.69	294.8	694.4	0.3	1.1	CLACKMANNAN, CENTRAL					3+	12	17	124	0.17	0.6	1.0	B*C	FELT CLACMANNAN, C/F
19920319	07	2347.3	56.13	-3.71	293.9	694.4	2.0	1.3	CLACKMANNAN, CENTRAL					12	18	83	0.18	0.7	1.1	B*C	C/F	
19920415	15	55960.0	56.13	-3.67	296.1	694.0	1.0	1.3	CLACKMANNAN, CENTRAL					10	17	200	0.23	1.8	1.7	B*D	C/F	
19920501	02	0511.6	56.13	-3.73	292.6	694.7	2.0	1.5	CLACKMANNAN, CENTRAL					25	19	82	0.34	0.8	1.2	C*C	C/F	
19920612	04	0521.0	56.13	-3.68	295.6	694.2	0.2	1.0	CLACKMANNAN, CENTRAL					7	17	123	0.02	0.1	0.2	A*C	C/F	
19920624	21	3405.4	56.13	-3.76	290.9	693.9	1.8	1.0	CLACKMANNAN, CENTRAL					6	21	259	0.06	1.7	1.2	B*D	C/F	
19920717	01	1950.3	56.13	-3.74	292.1	693.9	0.1	1.7	CLACKMANNAN, CENTRAL					26	20	82	0.18	0.4	0.7	B*C	C/F	
19920928	16	0429.1	56.13	-3.69	294.6	694.3	0.1	1.7	CLACKMANNAN, CENTRAL					2+	24	18	84	0.24	0.5	0.9	B*C	FELT FORESTMILL, C/F
19921010	03	1633.1	56.13	-3.70	294.3	694.3	0.3	1.1	CLACKMANNAN, CENTRAL					10	18	165	0.19	0.7	1.0	B*C	C/F	
19921020	20	2014.8	56.13	-3.68	295.3	693.9	0.9	0.3	CLACKMANNAN, CENTRAL					2+	5	17	160	0.08	1.1	1.5	B*D	FELT FORESTMILL, C/F
19921121	04	1509.5	56.13	-3.72	293.1	693.9	0.5	1.0	CLACKMANNAN, CENTRAL					23	19	81	0.26	0.5	0.9	B*C	C/F	
19920330	21	1302.2	56.12	-3.74	291.7	693.5	1.4	1.4	CLACKMANNAN, CENTRAL					14	20	131	0.13	0.4	0.6	A*C	C/F	
19920404	03	3812.0	56.12	-3.74	292.0	693.7	1.0	1.1	CLACKMANNAN, CENTRAL					14	20	86	0.10	0.3	0.5	A*C	C/F	
19920409	19	3636.7	56.12	-3.69	294.7	693.5	1.4	1.6	CLACKMANNAN, CENTRAL					3+	20	18	83	0.14	0.4	0.6	A*C	FELT CLACKMANNAN, C/F
19920427	10	3023.2	56.12	-3.71	293.8	693.6	0.2	1.5	CLACKMANNAN, CENTRAL					2+	12	19	127	0.16	0.6	1.0	B*C	FELT CLACKMANNAN, C/F
19920527	04	3701.9	56.12	-3.74	292.0	693.2	0.5	1.0	CLACKMANNAN, CENTRAL					14	20	81	0.12	0.4	0.7	A*C	C/F	
19920602	20	1600.8	56.12	-3.73	292.2	693.3	0.3	1.2	CLACKMANNAN, CENTRAL					14	20	131	0.09	0.3	0.4	A*C	C/F	
19920624	19	4743.0	56.12	-3.69	295.2	693.6	0.5	1.2	CLACKMANNAN, CENTRAL					11	18	125	0.10	0.4	0.9	A*C	C/F	
19920811	10	1856.8	56.12	-3.74	291.6	693.5	0.3	1.5	CLACKMANNAN, CENTRAL					17	20	83	0.11	0.3	0.5	A*C	C/F	
19920828	01	4852.8	56.12	-3.74	292.1	693.7	0.7	1.4	CLACKMANNAN, CENTRAL					23	20	81	0.12	0.3	0.4	A*C	C/F	
19920908	20	3057.3	56.12	-3.73	292.4	693.8	0.1	1.1	CLACKMANNAN, CENTRAL					12	20	85	0.06	0.2	0.3	A*C	C/F	
19921104	12	4026.2	56.11	-3.69	294.9	692.0	3.6	0.9	CLACKMANNAN, CENTRAL					6	19	159	0.06	0.5	16.4	C*C	C/F	
19920508	13	0554.7	56.10	-3.20	325.4	690.0	0.1	0.8	KIRKCALDY, FIFE					8	25	141	0.38	1.3	1.9	C*C		
19922024	22	1850.9	56.07	-5.38	189.4	691.8	1.0	1.7	LOCH FYNE, STRATHCLYDE					16	47	305	0.27	7.2	5.3	D*D		
19921013	12	2152.8	56.05	-5.10	207.0	688.0	5.0	0.8	GLENDARUEL, STRATHCLYDE					7	32	296	0.07	1.6	1.6	B*D		
19920827	15	5200.3	56.03	-6.02	149.7	689.1	11.1	2.7	JURA, STRATHCLYDE					36	81	247	0.25	1.0	0.9	B*D	OFFSHORE LOCATION	

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 1992

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...
1992	05	19	19	06	24.1	56.01	-5.12	205.5	683.6	4.1	0.8	DUNOON, STRATHCLYDE	7	29	325	0.05	1.3	1.2	B*D	NW OF DUNOON	
1992	08	04	18	17	23.4	55.98	-4.41	249.7	678.7	2.1	1.4	MILNEGAVIE, STRATHCLYDE	20	19	136	0.18	0.5	0.7	B*C		
1992	08	05	06	17	59.0	55.98	-4.43	248.5	678.6	0.3	0.4	MILNEGAVIE, STRATHCLYDE	6	19	213	0.28	2.9	2.9	C*D		
1992	05	28	02	34	33.4	55.97	-4.39	250.8	677.4	2.1	0.9	MILNEGAVIE, STRATHCLYDE	5	18	204	0.00	0.0	0.0	A*D		
1992	20	30	22	21	41.3	55.80	-3.85	284.2	657.4	1.0	0.8	ALLANTON, STRATHCLYDE	4	28	335	0.14			A*D		
1992	06	16	03	26	21.1	55.68	-6.15	139.0	650.7	3.7	2.1	ISLAY, STRATHCLYDE	14	51	245	0.33	3.3	7.8	C*D		
1992	21	09	21	41	52.5	55.47	-3.47	307.0	620.5	10.4	0.4	TWEEDSMUIR, BORDERS	10	24	296	0.07	0.7	2.4	B*D		
1992	09	30	16	52	46.0	55.37	-5.25	194.1	613.1	4.3	1.2	ARRAN, STRATHCLYDE	9	22	128	0.45	4.3	11.9	C*C	8KM SOUTH OF ARRAN	
1992	20	19	10	02	30.8	55.25	-3.45	307.8	596.2	1.7	-0.1	JOHNSTONEBRIDGE, D & G	6	16	188	0.19	1.2	0.9	B*D		
1992	04	05	10	01	19.9	55.23	-3.49	305.3	593.6	8.9	0.1	JOHNSTONEBRIDGE, D & G	6	12	180	0.02	0.2	0.6	A*C	AFTERSHOCK	
1992	02	27	02	50	24.9	55.21	-3.41	310.5	591.7	5.9	2.7	JOHNSTONEBRIDGE, D & G	4+	43	16	54	0.26	0.4	3.1	B*C	FELT NEWTON, SANDYFORD...
1992	05	03	14	16	45.1	55.21	-3.54	301.9	592.2	4.9	0.2	JOHNSTONEBRIDGE, D & G	7	8	183	0.16	1.5	10.3	C*D	AFTERSHOCK	
1992	01	15	19	46	13.7	55.20	-3.37	312.7	590.2	6.8	0.0	JOHNSTONEBRIDGE, D & G	4	16	302	0.02			A*D		
1992	09	30	19	50	04.6	55.18	-5.57	172.9	593.3	7.3	1.4	NORTH CHANNEL	11	18	129	0.23	1.1	1.9	B*C		
1992	10	19	12	03	02.2	55.18	-3.31	316.3	588.3	5.6	-0.1	BORELAND, D & G	6	17	166	0.11	0.1	1.1	A*C		
1992	20	22	21	16	19.7	55.11	-2.59	362.4	579.4	11.6	1.3	BEWCastle, CUMBRIA	13	22	273	0.24	1.9	4.4	B*D		
1992	07	10	15	59	08.9	55.10	-3.63	296.2	579.2	7.8	0.4	DUMFRIES, D & G	8	9	169	0.30	2.1	5.9	C*C		
1992	03	25	16	36	43.3	55.09	-3.61	297.0	578.1	6.5	0.9	DUMFRIES, D & G	14	10	162	0.20	0.8	3.3	B*C		
1992	08	31	18	25	53.6	55.06	3.89	776.2	590.2	19.1	3.7	CENTRAL NORTH SEA	29	296	213	0.38	2.0	3.2	C*D		
1992	10	01	05	07	32.3	55.03	-2.89	342.7	570.6	9.4	1.3	LONGTOWN, CUMBRIA	32	12	75	0.12	0.3	0.7	A*B		
1992	05	17	00	44	03.8	54.93	-3.28	317.9	559.9	14.1	0.1	ANTHORN, CUMBRIA	14	19	107	0.05	0.2	0.6	A*B		
1992	03	29	04	27	36.0	54.89	-1.49	432.5	555.7	0.1	0.2	WASHINGTON, TYNE & WEAR	4	18	212	0.55			D*D		
1992	09	29	01	32	11.9	54.82	-2.91	341.2	547.4	2.7	0.2	GAITSGILL, CUMBRIA	5	2	255	0.06	2.5	0.6	B*D		
1992	05	11	04	24	35.2	54.80	-2.91	341.2	545.9	12.6	-0.1	GAITSGILL, CUMBRIA	4	2	198	0.01			A*D		
1992	12	25	21	54	44.9	54.78	-3.21	321.9	544.1	9.0	0.1	MEALSGATE, CUMBRIA	5	6	159	0.02	0.3	0.6	A*D		
1992	05	09	04	42	16.8	54.77	-3.29	317.3	542.6	9.9	0.8	ASPATRIA, CUMBRIA	13	5	111	0.12	0.5	0.6	A*B		
1992	06	27	23	06	50.8	54.77	-3.55	300.4	542.5	3.8	-0.2	ALLONBY BAY, CUMBRIA	4	20	290	0.01			A*D		
1992	06	28	23	09	59.6	54.77	-3.53	301.8	542.7	8.1	-0.4	ALLONBY BAY, CUMBRIA	4	18	287	0.04			A*D		
1992	08	01	04	13	50.6	54.75	-2.84	345.7	540.2	10.2	1.8	CALTHWAITE, CUMBRIA	38	8	42	0.12	0.2	0.7	A*A		
1992	09	20	08	11	31.4	54.75	-4.03	269.5	541.8	12.9	1.1	KIRKCUDBRIGHT BAY, D&G	23	13	98	0.17	0.5	1.5	B*B		
1992	11	08	17	39	52.3	54.60	-3.70	289.9	523.9	8.9	2.0	WHITEHAVEN, CUMBRIA	47	17	59	0.22	0.4	0.7	B*B	OFFSHORE LOCATION	
1992	20	30	16	34	42.7.5	54.54	-1.82	411.6	516.2	15.4	2.3	BARNARD CASTLE, DURHAM	40	14	62	0.29	0.6	1.0	B*A		
1992	20	22	22	09	44.5.9	54.51	-2.58	362.4	513.2	2.4	1.7	ORTON, CUMBRIA	35	25	48	0.17	0.3	0.6	B*C	5KM NORTH OF ORTON	
1992	06	22	22	09	32.5	54.50	-2.59	362.0	512.2	5.2	1.0	ORTON, CUMBRIA	20	25	73	0.17	0.4	15.5	C*C		
1992	02	12	02	25	65.2.9	54.39	-3.06	331.0	500.1	7.8	0.6	CONISTON, CUMBRIA	12	13	113	0.32	1.2	4.9	C*B		
1992	07	09	21	32	40.0	54.33	-2.43	371.7	492.8	7.7	1.1	GARSDALE, CUMBRIA	13	14	116	0.15	0.6	3.2	B*B		
1992	05	09	11	08	52.2	54.30	-0.61	490.7	490.0	5.6	1.7	DALBY FOREST, N YORKS	12	6	263	0.15	1.3	1.0	B*D		
1992	08	11	04	27	47.3	54.19	-0.08	525.5	479.4	0.7	1.6	BRIDLINGTON, HUMBERSIDE	8	84	276	0.08	3.5	2.2	C*D		
1992	06	13	00	20	14.4	54.09	-1.49	433.4	466.0	0.8	0.4	RIPON, N YORKSHIRE	4	17	148	0.03			A*D	C/F	
1992	09	02	19	27	01.2	54.05	-0.61	491.2	463.0	10.1	2.1	SLEDMERE, HUMBERSIDE	19	31	172	0.40	1.6	3.5	C*C		
1992	10	02	05	15	42.2	53.72	-2.19	387.5	424.8	2.1	1.6	BACUP, LANCASHIRE	28	28	170	0.18	0.5	0.9	B*C		
1992	11	12	20	18	49.4	53.68	-1.99	400.4	420.2	9.4	2.0	RIPPONDEN, W YORKSHIRE	12	17	140	0.25	3.2	6.2	C*C		
1992	09	01	02	50	51.7	53.63	-2.68	355.3	415.4	11.2	1.7	CHORLEY, LANCASHIRE	14	25	223	0.23	2.0	1.4	B*D		
1992	05	02	15	06	15.4	53.61	-3.71	286.5	414.0	6.1	1.1	IRISH SEA	24	41	98	0.18	0.6	1.7	B*C		
1992	02	11	04	45	02.8	53.57	-2.62	359.2	408.8	10.4	1.6	STANDISH, GT MANCHESTER	29	45	95	0.24	0.6	1.0	B*C		
1992	08	15	00	52	48.5	53.51	-2.58	361.8	401.1	13.1	1.5	GOLBORNE, GT MANCHESTER	28	38	160	0.22	0.7	1.2	B*C		
1992	11	10	07	37	22.6	53.46	-1.22	451.6	396.5	0.1	1.8	MALTBY, SOUTH YORKSHIRE	6	43	210	0.24	2.4	2.1	B*D	C/F	
1992	12	26	05	50	25.8	53.46	-4.28	249.0	398.6	15.7	0.2	AMLWCH, GWYNEDD	12	8	152	0.04	0.3	0.4	A*C	OFFSHORE LOCATION	
1992	05	29	02	09	11.3	53.42	-2.77	348.7	391.5	13.0	1.3	PRESCOT, MERSEYSIDE	15	62	108	0.19	0.7	1.1	B*D		
1992	09	25	05	26	09.4	53.39	-1.30	446.4	388.2	0.2	2.0	AUGHTON, S YORKSHIRE	8	21	293	0.27	4.9	3.2	C*D	C/F	

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Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...
1992	07	31	00	54	25.4	53.38	-1.83	411.5	386.5	1.0	0.6	GLOSSOP, DERBYSHIRE	2+	3	24	302	0.03		A*D	FELT	GLOSSOP
1992	02	06	14	11	59.5	53.34	-1.92	405.0	382.3	11.6	1.6	BUXTON, DERBYSHIRE		5	28	298	0.03	0.8	2.8	B*D	
1992	02	28	00	50	27.4	53.33	-1.18	454.7	381.4	11.6	2.0	WORKSOP, NOTTS		14	25	98	0.15	0.6	4.2	B*C	
1992	10	19	14	27	58.3	53.33	-1.75	416.5	381.8	2.2	1.5	CASTLETON, DERBYSHIRE		8	17	154	0.36	2.0	2.6	C*C	
1992	02	12	13	45	34.2	53.30	-1.84	410.4	378.6	0.5	0.3	BUXTON, DERBYSHIRE		6	22	179	0.14	1.0	1.4	B*C	COLLAPSE TYPE
1992	05	15	17	42	06.3	53.30	-2.90	340.0	378.1	7.6	1.6	ELESMORE PRT, CHESHIRE		24	50	111	0.22	0.6	1.9	B*C	
1992	02	17	04	30	39.7	53.30	-1.24	450.3	378.2	6.9	1.0	WHITWELL, DERBYSHIRE		7	19	149	0.23	1.4	2.5	B*C	C/F
1992	02	22	11	56	33.2	53.29	-2.22	385.0	376.7	5.9	1.6	CARLTON EDGE, CHESHIRE		6	38	248	0.22	2.9	8.2	C*D	
1992	11	11	06	31	59.2	53.29	-1.34	444.1	376.8	0.5	1.5	CLOWNE, DERBYSHIRE		7	45	232	0.44	3.5	3.6	C*D	COLLAPSE TYPE
1992	05	19	02	12	53.9	53.28	-0.92	471.7	376.2	0.5	2.0	GAMSTON, NOTTS		32	40	84	0.49	0.9	1.4	C*C	C/F
1992	02	07	02	31	02.6	53.28	-1.74	417.1	376.2	4.3	0.8	BUXTON, DERBYSHIRE		4	15	269	0.35			C*D	COLLAPSE TYPE
1992	10	22	01	55	15.7	53.27	-1.65	423.6	374.6	3.4	1.3	CALVER, DERBYSHIRE		6	8	131	0.21	1.7	4.5	B*B	
1992	11	12	09	00	20.6	53.26	-2.41	372.4	373.8	3.1	1.8	NORTHWICH, CHESHIRE		12	47	159	0.28	1.4	3.4	B*C	
1992	11	20	13	45	49.7	53.25	-4.24	250.4	374.7	11.4	0.6	LLANGEFNI, GWYNEDD		12	11	101	0.05	0.3	0.5	A*B	
1992	10	09	22	38	47.0	53.24	-1.67	421.7	371.3	5.4	1.1	HASSOP, DERBYSHIRE		7	10	136	0.35	14.0		D*C	
1992	04	07	13	59	15.9	53.22	-1.43	437.8	370.0	19.1	1.5	CHESTERFIELD, DERBS		7	7	180	0.25	2.6	1.8	C*C	
1992	05	19	22	44	31.6	53.22	-1.16	455.9	369.1	2.6	1.5	SHIREBROOK, NOTTS		10	25	211	0.26	1.7	2.6	B*D	
1992	07	02	22	16	17.2	53.21	-1.38	441.5	368.6	8.0	1.2	GRASSMOOR, DERBYSHIRE		4	38	300	0.08			A*D	
1992	03	27	20	54	02.4	53.18	-1.31	446.3	365.2	9.4	1.6	MANSFIELD, NOTTS		9	17	115	0.24	1.2	11.0	C*B	
1992	02	13	14	33	02.3	53.14	-1.53	431.5	360.2	0.5	1.2	MATLOCK, DERBYSHIRE		4	13	161	0.33			C*D	COLLAPSE TYPE
1992	04	10	10	31	04.7	53.13	-1.37	442.3	359.7	0.2	1.6	PILSLEY, DERBYSHIRE		7	17	258	0.28	4.7	3.2	C*D	C/F
1992	07	29	18	05	14.1	53.13	-4.39	239.9	362.0	11.0	3.5	CAERNARVON BAY, GWYNEDD	5	22	15	72	0.06	0.2	0.4	A*B	FELT CAERNARVON, BANGOR...
1992	04	27	14	59	47.3	53.10	-1.58	427.9	355.9	0.5	1.3	CROMFORD, DERBYSHIRE		6	18	143	0.43	1.9	2.9	C*C	C/F
1992	11	13	21	10	30.6	53.10	-2.10	393.1	356.1	1.8	1.3	LEEK, STAFFORDSHIRE		7	20	124	0.23	1.7	2.5	B*C	
1992	02	20	13	17	01.5	53.08	-1.77	415.2	354.3	0.5	1.7	ALSOP MOOR, DERBYSHIRE		9	9	142	0.39	2.8	3.0	C*C	
1992	03	01	18	24	45.5	53.06	-4.55	229.1	355.0	15.0	0.0	CAERNARVON BAY, GWYNEDD		12	13	164	0.04	0.3	0.4	A*C	
1992	04	09	11	56	02.4	53.05	-1.64	424.2	350.9	0.1	1.2	ASHBOURNE, DERBYSHIRE		6	14	234	0.24	2.6	1.8	C*D	COLLAPSE TYPE
1992	04	26	05	16	15.2	53.05	-3.72	284.6	352.3	8.1	1.0	PENTREFOELAS, CLWYD		8	26	147	0.27	2.8	62.4	C*C	
1992	11	05	22	17	24.7	53.03	-1.18	454.6	348.2	5.0	1.2	HUCKNALL, NOTTS		5	33	192	0.11	4.4	8.0	C*D	
1992	02	09	05	49	06.7	53.01	-3.14	323.3	347.0	12.5	1.4	WREXHAM, CLWYD		18	14	131	0.22	0.6	0.8	B*B	
1992	02	08	19	24	44.1	52.98	-4.43	237.1	345.6	13.6	-0.1	LLANAELHAERN, GWYNEDD		9	0	122	0.23	1.9	3.4	B*B	
1992	08	29	04	26	44.8	52.97	-4.38	240.1	344.0	22.0	1.6	LLEYN PENINSULA		16	3	84	0.08	0.4	0.8	A*A	LLEYN AFTERSHOCK
1992	04	25	20	10	58.1	52.96	-4.36	241.2	343.3	22.7	0.2	LLEYN PENINSULA		9	5	198	0.16	1.4	1.5	B*D	LLEYN AFTERSHOCK
1992	03	05	02	45	28.9	52.94	-2.13	391.1	338.7	1.0	1.2	STONE, STAFFORDSHIRE		12	21	110	0.21	1.0	1.4	B*C	
1992	04	18	14	28	29.2	52.94	-4.39	239.8	341.4	24.0	0.3	LLEYN PENINSULA		6	5	292	0.02	0.3	0.4	A*D	LLEYN AFTERSHOCK
1992	04	08	15	49	39.0	52.93	-4.36	241.3	339.4	15.7	2.0	PWLLELI, GWYNEDD		17	7	95	0.08	0.3	0.8	A*B	NE OF PWLLELI
1992	04	08	16	04	47.5	52.93	-4.37	240.7	340.1	15.6	0.4	PWLLELI, GWYNEDD		13	6	196	0.04	0.4	0.3	A*D	NE OF PWLLELI
1992	04	28	21	34	05.5	52.93	-6.18	119.3	345.7	9.1	1.4	WICKLOW, EIRE	2+	20	27	90	0.27	0.8	2.5	B*C	FELT WICKLOW
1992	06	23	21	53	18.9	52.91	-1.85	410.4	335.0	5.0	1.2	UTTOXETER, STAFFS		3	12	242	0.29			B*D	
1992	06	16	07	44	03.1	52.89	-3.47	300.9	333.8	5.0	1.4	LLANDRILLO, CLWYD		14	15	120	0.32	2.0	16.1	C*C	
1992	03	03	05	52	22.0	52.88	-4.59	225.8	334.2	12.0	0.5	TUDWEILI OG, GWYNEDD		8	6	152	0.06	0.6	0.6	A*C	
1992	07	03	22	13	37.6	52.87	-1.88	407.7	330.1	5.0	0.7	KINGSTONE, STAFFS		3	42	279	0.25			B*D	
1992	11	23	18	39	14.9	52.74	-1.97	402.0	315.7	1.8	1.8	RUGELEY, STAFFORDSHIRE		10	45	115	0.12	0.5	0.8	A*C	
1992	02	21	09	46	58.4	52.73	-2.35	376.7	315.0	11.2	1.8	WELLINGTON, SHROPSHIRE		29	44	101	0.27	0.8	1.3	B*C	
1992	05	02	21	19	47.0	52.73	-2.03	397.8	314.5	0.1	1.3	CANNOCK, STAFFORDSHIRE		9	35	116	0.27	1.2	1.7	B*C	C/F
1992	06	06	02	46	28.0	52.72	-1.98	401.2	313.5	0.2	1.2	BURNTWOOD, STAFFS		9	34	118	0.60	4.1	8.0	D*C	
1992	09	18	01	1852.9	52.72	-1.98	401.0	313.9	0.5	1.3	CANNOCK, STAFFORDSHIRE		16	34	117	0.39	1.2	1.7	C*C	C/F	
1992	07	15	03	5911.3	52.71	-2.01	399.6	312.4	2.0	1.6	HUNTINGTON, STAFFS		12	36	161	0.28	1.3	1.7	B*C		
1992	08	28	18	5746.5	52.71	-4.18	252.6	315.3	12.2	1.0	BARMOUTH, GWYNEDD		8	33	293	0.16	2.4	1.9	B*D	OFFSHORE LOCATION	
1992	09	09	00	1605.1	52.71	-2.03	398.3	312.1	0.7	1.5	CANNOCK, STAFFORDSHIRE		16	37	118	0.46	1.5	4.0	C*C		

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Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...	
1992	02	01	203	752.2	52.66	-2.02	398.9	307.3	3.2	1.1	CANNOCK, STAFFORDSHIRE	7	41	174	0.44	3.8	8.2	C*C				
1992	09	13	063	841.1	52.62	-0.61	494.2	303.1	3.5	2.2	KETTON, LEICESTERSHIRE	10	15	154	0.18	2.3	5.0	C*C				
1992	02	17	012	233.0	52.50	-0.19	522.7	290.7	11.1	3.3	PETERBOROUGH, CAMBS	5	32	19	69	0.20	0.5	0.8	B*B	FELT CAMBRIDGESHIRE...		
1992	09	30	230	624.2	52.33	-4.27	245.3	273.1	2.7	1.5	CARDIGAN BAY, WALES	13	42	133	0.34	1.0	3.2	C*C	15KM SW OF ABERYSTWYTH			
1992	11	15	015	420.7	52.27	-2.84	342.4	263.8	0.4	1.0	LEOMINSTER, HER & WOR	8	28	148	0.36	3.1	9.5	C*C				
1992	04	01	033	228.5	52.07	-3.44	301.2	242.4	16.6	1.1	BUILTH WELLS, POWYS	9	12	227	0.08	0.7	0.7	A*D				
1992	04	23	131	044.8	52.02	-5.38	168.2	241.3	5.0	2.1	ST GEORGE'S CHANNEL	20	43	154	0.23	0.8	1.9	B*C				
1992	12	18	160	014.1	51.94	-3.44	301.3	228.2	14.9	1.1	BRECON, POWYS	7	19	166	0.11	1.9	1.4	B*C				
1992	07	08	085	958.8	51.93	-2.67	354.0	226.5	18.4	2.1	ROSS-ON-WYE, HER & WOR	37	14	132	0.20	0.5	0.7	B*B				
1992	08	21	164	642.2	51.88	-2.75	348.1	220.4	13.4	1.7	MONMOUTH, GWENT	21	21	142	0.16	0.5	0.5	B*C	7KM NORTH OF MONMOUTH			
1992	10	07	085	720.4	51.82	-3.49	297.2	214.3	9.1	1.4	M TYDFIL, MID GLAMORGAN	8	33	127	0.09	0.7	6.5	C*C	11KM NW MERTHYR TYDFIL			
1992	10	07	092	531.9	51.82	-3.49	297.5	214.6	9.0	1.2	M TYDFIL, MID GLAMORGAN	7	32	127	0.03	0.1	1.4	A*C	11KM NW MERTHYR TYDFIL			
1992	12	26	170	559.8	51.81	-1.52	432.7	212.5	9.4	1.5	WITNEY, OXFORDSHIRE	8	75	255	0.04	0.4	0.5	A*D				
1992	07	28	054	750.6	51.80	-3.01	330.5	211.6	17.1	0.4	ABERGAVENNY, GWENT	5	22	188	0.03	0.8	1.2	A*D				
1992	07	05	025	120.9	51.79	-3.21	316.6	210.7	9.2	0.7	EBBW VALE, GWENT	5	27	232	0.06	2.5	12.3	C*D				
1992	03	13	232	612.6	51.71	-3.30	310.2	202.0	2.5	1.5	BEDLINOG, MID GLAMORGAN	8	35	171	0.05	0.4	0.6	A*C	C/F			
1992	07	03	221	908.3	51.71	-3.32	309.1	202.1	0.8	0.7	BEDLINOG, MID GLAMORGAN	6	36	238	0.14	0.5	0.9	A*D	C/F			
1992	08	31	204	919.5	51.71	-3.30	310.0	202.3	0.4	1.1	BEDLINOG, MID GLAMORGAN	6	35	170	0.07	0.4	1.5	A*C	C/F			
1992	04	20	222	026.6	51.70	-3.55	292.7	201.3	9.5	1.2	TREHERBERT, M GLAMORGAN	13	42	96	0.09	0.4	0.7	A*C				
1992	08	17	005	335.2	51.68	-3.26	312.9	198.6	1.6	2.2	BARGOED, MID GLAMORGAN	5+	32	24	49	0.19	0.4	1.0	B*C	FELT BARGOED, NELSON..C/F		
1992	09	11	002	431.5	51.68	-3.73	280.7	199.4	14.7	1.0	NEATH, WEST GLAMORGAN	5	54	301	0.06	1.1	2.6	B*D	7KM NW OF NEATH			
1992	04	21	030	411.9	51.67	-3.09	324.5	197.2	13.6	1.0	NEWBRIDGE, GWENT	9	20	117	0.10	1.3	1.5	B*B				
1992	05	13	085	552.5	51.66	-3.10	323.7	196.5	16.0	1.5	NEWBRIDGE, GWENT	6	21	249	0.04	0.8	1.5	A*D				
1992	06	23	135	201.0	51.65	-3.25	313.5	195.4	15.9	0.9	NELSON, GWENT	6	31	247	0.25	6.7		D*D				
1992	04	11	064	538.2	51.64	-3.10	323.8	194.4	15.4	1.8	ABERCARN, GWENT	19	20	109	0.09	0.4	0.5	A*B				
1992	04	11	065	430.3	51.63	-3.10	323.6	193.1	15.0	1.2	ABERCARN, GWENT	5	21	259	0.02	0.7	0.3	A*D				
1992	05	27	231	520.1	51.61	-2.93	335.7	190.9	18.2	1.1	NEWPORT, GWENT	6	9	256	0.23	4.9	3.4	C*D				
1992	02	16	124	106.9	51.54	-3.17	318.9	183.3	18.9	1.3	CARDIFF, S GLAMORGAN	6	27	286	0.08	2.2	3.2	B*D				
1992	04	13	012	002.8	51.17	5.95	955.4	171.5	13.5	5.9	ROERMOND, NETHERLANDS	7	42	34	72	0.41	1.2	1.7	C*C	MAX INTENSITY(UK) =4MSK		
1992	09	23	104	757.9	51.01	-3.60	287.9	125.2	10.4	2.7	TIVERTON, DEVON	40	15	85	0.35	0.8	1.4	C*B	10KM NW OF TIVERTON			
1992	12	17	024	349.7	50.66	1.88	674.1	91.9	7.3	3.0	BOULOGNE, FRANCE	26	72	117	0.26	1.0	4.1	B*D				
1992	05	15	152	000.7	50.58	-3.57	288.6	77.5	2.8	1.6	TEIGNMOUTH, DEVON	15	30	191	0.29	1.7	2.5	B*D	NW OF TEIGNMOUTH			
1992	06	11	050	914.8	50.53	-8.91	-89.6	93.4	10.9	2.9	CELTIC SEA	22	241	278	0.31	7.0	8.3	D*D	SOUTH OF IRELAND			
1992	11	08	194	207.9	50.33	-6.15	104.6	56.7	1.0	1.3	SCILLY ISLES, CORNWALL	8	68	354	0.05			D*D	NE OF SCILLY ISLES			
1992	06	27	131	128.7	50.16	-6.19	100.5	37.3	8.7	1.4	SCILLY ISLES, CORNWALL	12	44	348	0.03	1.2	0.4	B*D	NE OF SCILLY ISLES			
1992	07	25	013	152.2	50.15	-4.79	200.4	31.1	11.6	1.2	DODMAN POINT, CORNWALL	12	23	327	0.02	0.3	0.2	A*D	SOUTH OF DODMAN POINT			
1992	20	21	100	708.4	50.11	-5.18	172.9	28.4	6.7	0.9	CONSTANTINE, CORNWALL	12	3	159	0.05	0.3	0.4	A*C				
1992	20	22	135	544.1	50.11	-5.18	172.9	28.6	6.4	0.8	CONSTANTINE, CORNWALL	10	3	281	0.01	0.1	0.1	A*D				
1992	04	22	205	410.5	50.11	-5.18	173.0	28.1	5.9	-0.2	CONSTANTINE, CORNWALL	9	3	161	0.04	0.3	0.4	A*C				
1992	04	18	174	215.9	50.11	-5.18	172.7	28.3	6.9	0.7	CONSTANTINE, CORNWALL	16	3	167	0.03	0.2	0.2	A*C				
1992	04	18	175	748.3	50.11	-5.18	172.8	28.3	7.1	0.0	CONSTANTINE, CORNWALL	9	3	163	0.02	0.2	0.2	A*C				
1992	04	19	034	702.6	50.11	-5.18	172.7	28.3	7.2	0.3	CONSTANTINE, CORNWALL	18	3	167	0.03	0.2	0.2	A*C				
1992	04	19	174	147.0	50.11	-5.18	172.8	28.3	7.2	0.4	CONSTANTINE, CORNWALL	16	3	164	0.03	0.2	0.2	A*C				
1992	04	20	071	536.7	50.11	-5.18	172.9	28.4	7.1	-0.1	CONSTANTINE, CORNWALL	10	3	161	0.02	0.2	0.2	A*C				
1992	04	20	203	944.3	50.11	-5.17	173.1	28.2	6.2	0.2	CONSTANTINE, CORNWALL	11	3	157	0.02	0.2	0.2	A*C				
1992	04	20	083	948.7	50.11	-5.18	172.7	28.3	6.7	0.7	CONSTANTINE, CORNWALL	10	3	167	0.02	0.2	0.2	A*C				
1992	04	20	085	544.8	50.11	-5.18	172.8	28.3	7.7	0.0	CONSTANTINE, CORNWALL	9	3	163	0.01	0.2	0.2	A*C				
1992	05	02	011	907.6	50.11	-5.17	173.1	28.3	6.7	0.2	CONSTANTINE, CORNWALL	8	3	156	0.02	0.2	0.3	A*C				
1992	05	03	111	957.3	50.11	-5.18	172.9	28.3	6.8	0.0	CONSTANTINE, CORNWALL	9	3	162	0.02	0.2	0.3	A*C				
1992	06	13	135	920.2	50.11	-5.18	172.9	28.6	7.0	0.4	CONSTANTINE, CORNWALL	6	3	281	0.01	0.2	0.1	A*D				

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 1992

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...
1992	06	15	07	49	13.0	50.11	-5.18	172.9	28.3	7.3	0.4	CONSTANTINE, CORNWALL	12	3	161	0.02	0.2	0.1	A*C		
1992	06	15	07	49	42.0	50.11	-5.18	172.7	28.2	7.0	0.4	CONSTANTINE, CORNWALL	9	3	166	0.02	0.2	0.2	A*C		
1992	06	15	14	49	42.0	50.11	-5.18	172.9	28.1	7.0	0.8	CONSTANTINE, CORNWALL	13	3	163	0.02	0.2	0.2	A*C		
1992	06	19	00	10	13.1	50.11	-5.18	172.7	28.4	7.1	-0.3	CONSTANTINE, CORNWALL	9	3	165	0.01	0.2	0.2	A*C		
1992	06	19	00	11	22.5	50.11	-5.18	172.9	28.3	7.1	-0.2	CONSTANTINE, CORNWALL	9	3	161	0.02	0.2	0.2	A*C		
1992	06	19	00	20	01.1	50.11	-5.18	172.7	28.4	6.9	-0.1	CONSTANTINE, CORNWALL	9	3	165	0.01	0.2	0.2	A*C		
1992	06	20	02	11	43.0	50.11	-5.18	172.6	28.4	6.9	-0.1	CONSTANTINE, CORNWALL	9	3	168	0.02	0.2	0.2	A*C		
1992	06	20	02	14	10.6	50.11	-5.18	172.7	28.3	7.0	0.0	CONSTANTINE, CORNWALL	10	3	165	0.02	0.2	0.2	A*C		
1992	06	23	00	21	53.3	50.11	-5.18	172.8	28.1	7.2	-0.3	CONSTANTINE, CORNWALL	10	3	164	0.02	0.2	0.1	A*C		
1992	06	23	11	47	14.8	50.11	-5.18	172.6	28.1	6.9	0.8	CONSTANTINE, CORNWALL	10	3	169	0.02	0.2	0.2	A*C		
1992	07	01	12	38	59.2	50.11	-5.18	172.7	28.2	7.0	0.8	CONSTANTINE, CORNWALL	11	3	167	0.02	0.3	0.2	A*C		
1992	07	02	14	20	36.4	50.11	-5.18	172.7	28.2	7.2	1.0	CONSTANTINE, CORNWALL	9	3	167	0.01	0.2	0.2	A*C		
1992	07	03	03	32	38.3	50.11	-5.18	172.4	28.3	6.5	-0.1	CONSTANTINE, CORNWALL	10	3	171	0.03	0.3	0.4	A*C		
1992	07	19	01	26	35.1	50.11	-5.18	172.6	28.2	7.2	0.3	CONSTANTINE, CORNWALL	10	3	169	0.01	0.2	0.2	A*C		
1992	07	19	02	26	11.4	50.11	-5.18	172.7	28.2	7.1	0.0	CONSTANTINE, CORNWALL	9	3	167	0.02	0.3	0.3	A*C		
1992	07	19	03	37	21.6	50.11	-5.18	172.6	28.2	7.1	0.3	CONSTANTINE, CORNWALL	9	3	168	0.02	0.2	0.3	A*C		
1992	07	19	05	49	15.7	50.11	-5.18	172.5	28.2	7.5	0.0	CONSTANTINE, CORNWALL	9	3	169	0.02	0.3	0.3	A*C		
1992	07	19	07	40	31.0	50.11	-5.18	172.7	28.2	7.2	0.4	CONSTANTINE, CORNWALL	10	3	166	0.02	0.3	0.3	A*C		
1992	07	19	18	13	18.6	50.11	-5.18	172.8	28.3	7.2	0.9	CONSTANTINE, CORNWALL	12	3	163	0.02	0.2	0.2	A*C		
1992	07	27	02	58	09.0	50.11	-5.18	172.7	28.2	7.1	0.4	CONSTANTINE, CORNWALL	9	3	166	0.01	0.2	0.2	A*C		
1992	07	27	03	03	10.9	50.11	-5.18	172.7	28.4	7.0	0.1	CONSTANTINE, CORNWALL	15	3	166	0.03	0.2	0.2	A*C		
1992	07	28	05	59	36.5	50.11	-5.18	172.7	28.1	7.3	0.0	CONSTANTINE, CORNWALL	9	3	168	0.02	0.2	0.3	A*C		
1992	07	30	10	38	23.9	50.11	-5.18	172.9	28.2	7.3	0.4	CONSTANTINE, CORNWALL	10	3	161	0.02	0.2	0.2	A*C		
1992	09	22	17	25	51.7	50.11	-5.18	173.0	28.2	7.0	0.7	CONSTANTINE, CORNWALL	14	3	161	0.02	0.2	0.1	A*C		
1992	10	19	10	19	58.7	50.11	-5.18	172.9	28.3	7.1	0.1	CONSTANTINE, CORNWALL	7	3	162	0.01	0.2	0.2	A*C		
1992	11	04	19	18	27.3	50.11	-5.18	172.9	28.2	7.3	-0.3	CONSTANTINE, CORNWALL	7	3	162	0.01	0.2	0.3	A*C		
1992	11	06	21	46	30.2	50.11	-5.18	172.3	28.3	6.7	0.7	CONSTANTINE, CORNWALL	10	3	172	0.03	0.4	0.3	A*C		
1992	11	10	00	52	25.4	50.11	-5.17	173.2	28.2	7.0	0.1	CONSTANTINE, CORNWALL	8	3	155	0.01	0.2	0.2	A*C		
1992	11	13	09	24	32.0	50.11	-5.18	172.7	28.6	7.3	0.8	CONSTANTINE, CORNWALL	7	3	284	0.02	0.3	0.2	A*D		
1992	12	02	16	35	00.9	50.11	-5.18	172.6	28.3	6.9	0.8	CONSTANTINE, CORNWALL	9	3	168	0.02	0.2	0.2	A*C		
1992	12	16	21	09	27.8	50.11	-5.18	173.0	28.2	7.1	0.3	CONSTANTINE, CORNWALL	12	3	160	0.02	0.2	0.2	A*C		
1992	12	16	21	15	20.9	50.11	-5.18	173.0	28.2	7.1	0.1	CONSTANTINE, CORNWALL	12	3	159	0.02	0.2	0.2	A*C		
1992	12	17	05	02	30.9	50.11	-5.18	172.8	28.1	7.0	0.1	CONSTANTINE, CORNWALL	11	3	164	0.02	0.3	0.3	A*C		
1992	20	41	18	55	28.3	49.89	-4.90	191.5	3.3	13.6	1.4	LIZARD POINT, CORNWALL	13	26	300	0.02	0.3	0.2	A*D	SE OF LIZARD POINT	
1992	20	42	03	05	11.8	49.84	-8.02	-33.0	11.2	1.7	3.2	SCILLY ISLES, CORNWALL	9178	355	0.07	8.1	1.2	D*D	SW OF SCILLY ISLES		
1992	21	11	28	04	27	08.8	49.72	-5.71	132.8	-13.2	4.1	1.7	LAND'S END, CORNWALL	13	49	324	0.06	0.8	1.0	A*D	25KM SW OF LAND'S END
1992	21	30	17	34	15.0	49.67	-9.11	-112.5	-0.6	4.3	2.5	SCILLY ISLES, CORNWALL	12259	354	0.60	19.7	D*D	220KM SW OF SCILLY ISLES			
1992	20	16	09	55	36.2	49.60	-2.98	329.4	-33.1	7.2	1.3	GUERNSEY, CHANNEL ISLES	7	70	355	0.11	14.0	D*D	30KM NW OF GUERNSEY		
1992	21	17	23	46	24.3	49.08	-2.35	374.6	-90.8	8.9	0.3	JERSEY, CHANNEL ISLES	9	17	335	0.08	2.7	8.0	C*D	25KM SW OF JERSEY	
1992	20	42	23	23	34.2	49.00	-2.29	378.6	-100.1	12.2	0.5	JERSEY, CHANNEL ISLES	11	23	333	0.07	0.8	2.3	B*D	20KM SOUTH OF JERSEY	
1992	20	80	07	92	20.4	48.93	-1.63	427.0	-107.2	5.2	1.0	OFF GRANVILLE, FRANCE	8	42	352	0.08		D*D	10KM NORTH OF GRANVILLE		

**TABLE 3**  
**CATALOGUE OF NON-NATURAL EVENTS LISTED CHRONOLOGICALLY: 1992**

## KEY TO CATALOGUE ENCODING

<b>YearMoDy</b>	: Year, month and day of event.
<b>HrMn Secs</b>	: Time of occurrence of event in hours, mins and secs, (UTC).
<b>Lat</b>	: Latitude of the event, positive latitude indicates north.
<b>Lon</b>	: Longitude of the event, negative longitude indicates west.
<b>kmE</b>	: UK National Grid Reference in kilometres east of grid origin.
<b>kmN</b>	: UK National Grid Reference in kilometres north of grid origin.
<b>Dep</b>	: Depth of the hypocentre in kilometres.
<b>Mag</b>	: Richter local magnitude of the earthquake.
<b>Locality</b>	: 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.
<b>Int</b>	: Maximum MSK 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 MSK intensity produced by the event.
<b>Comments</b>	: 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)

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

### Locality abbreviations

<b>Sonic</b>	: Sonic boom	<b>M Glamorgan</b>	: Mid Glamorgan
<b>Expl</b>	: Explosion	<b>Notts</b>	: Nottinghamshire
<b>D &amp; G</b>	: Dumfries and Galloway	<b>Derbs</b>	: Derbyshire
<b>Her &amp; Wor</b>	: Hereford and Worcester	<b>N Yorks(hire)</b>	: North Yorkshire
<b>Gt(r) Manchester</b>	: Greater Manchester	<b>S Yorks(hire)</b>	: South Yorkshire
<b>Cambs</b>	: Cambridgeshire	<b>W Yorks(hire)</b>	: West Yorkshire
<b>S Glamorgan</b>	: South Glamorgan	<b>Staffs</b>	: Staffordshire
<b>M Tydfil</b>	: Merthyr Tydfil		

### Comments abbreviations

<b>Sonic</b>	: Sonic boom
<b>Expl</b>	: Explosion
<b>C/F</b>	: Coalfield type event
<b>...</b>	: and felt elsewhere

TABLE 3: CATALOGUE OF NON-NATURAL EVENTS LISTED CHRONOLOGICALLY: 1992

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments...	
1992	01	06	03	00	00.0							EXPL-MOTHERWELL	2+									EXPL-FELT WISHAW AREA
1992	01	17	09	40	11.0							SONIC-KING'S LYNN										SONIC-FELT KING'S LYNN
1992	01	22	14	44	39.0							SONIC-WIRRAL										SONIC-FELT WIRRAL
1992	02	12	12	10	18.0							EXPL-SHOEBURYNESS	2+									EXPL-FELT BRADWELL...
1992	02	19	18	57	00.0							SONIC-SOLWAY FIRTH										SONIC-FELT WHITEHAVEN...
1992	02	19	19	39	00.0							SONIC-SOLWAY FIRTH										SONIC-FELT WHITEHAVEN...
1992	02	19	20	44	00.0							SONIC-SOLWAY FIRTH										SONIC-FELT WHITEHAVEN...
1992	02	19	21	33	00.0							SONIC-SOLWAY FIRTH										SONIC-FELT WHITEHAVEN...
1992	03	05	12	15	00.0							SONIC-BLACKPOOL										SONIC-FELT BLACKPOOL...
1992	03	06	00	19	28.0							SONIC-CONSTANTINE										SONIC-FELT CONSTANTINE
1992	04	08	18	57	58.0							SONIC-SCARBOROUGH										SONIC-FELT SCARBOROUGH...
1992	05	27	09	38	10.0							SONIC-SUNDERLAND										SONIC-FELT SUNDERLAND....
1992	05	28	18	00	00.0							SONIC-HARTLEPOOL										SONIC-FELT HARTLEPOOL...
1992	06	03	10	19	00.0							SONIC-MILTON KEYNES										SONIC-FELT MILTON KEYNES
1992	06	10	21	09	00.0							SONIC-PONTELAND										SONIC-FELT PONTELAND....
1992	06	25	08	07	44.2	50.38	-1.76	416.9	53.8	1.0	2.4	EXPL-BOURNEMOUTH	2+	9158	344	0.28	15.7	8.1	D*D	EXPL-FELT BOURNEMOUTH		
1992	08	08	20	30	00.0							MADNESS CONCERT, LONDON	2+									FELT NE LONDON
1992	08	09	20	00	00.0							MADNESS CONCERT, LONDON	2+									FELT NE LONDON
1992	11	04	09	30	29.0							SONIC-ORKNEY ISLANDS										SONIC-FELT ORKNEY...
1992	11	12	18	09	22.0							SONIC-PETERBOROUGH										SONIC-FELT PETERBOROUGH..
1992	11	17	11	51	10.0							SONIC-PETERBOROUGH										SONIC-FELT PETERBOROUGH..
1992	11	17	12	14	16.0							SONIC-PETERBOROUGH										SONIC-FELT PETERBOROUGH..
1992	11	19	13	00	28.0							SONIC-PETERBOROUGH										SONIC-FELT PETERBOROUGH..
1992	11	23	10	23	03.0							SONIC-NEWARK-ON-TRENT										SONIC-FELT NEWARK AREA
1992	11	24	09	36	16.0							SONIC-PETERBOROUGH										SONIC-FELT PETERBOROUGH..
1992	12	01	11	23	38.0							SONIC-PENZANCE										SONIC-FELT PENZANCE...
1992	12	21	13	02	00.2	55.77	-4.61	235.9	655.9	0.8	1.6	EXPL-BEITH, STRATHCLYDE	2+	22	10	208	0.08	0.3	0.3	A*D	EXPL-FELT BEITH AREA	



**TABLE 4**  
**GEOGRAPHICAL COORDINATES OF SEISMOGRAPH STATIONS: DECEMBER 1992**



TABLE 4 : GEOGRAPHICAL CO-ORDINATES OF SEISMOGRAPH STATIONS: DECEMBER 1992

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agency
ABA	BACONSTHORPE	52.8875	1.1471	611.70	336.90	13	82-	1	BGS
AEA	E.ANGLIA UNIV	52.6208	1.2403	619.30	307.50	45	84-	m	BGS
APA	PACKWAY	52.2999	1.4779	637.10	272.60	35	84-	1	BGS
AWH	WHINBURGH	52.6299	0.9512	599.70	307.70	60	80-	1R	BGS
AWI	WITTON	52.8324	1.4460	632.09	331.69	35	83-	1	BGS
*BBH	BRUNTSHEIL	55.1332	-2.9299	340.72	582.50	207	92-	1	BGS
*BBO	BOTHEL	54.7367	-3.2465	319.75	538.70	205	92-	3	BGS
*BCC	CHAPELCROSS	55.0154	-3.2202	321.99	569.67	68	92-	L	BGS
*BCM	CHAPELCROSS MIC	55.0151	-3.2212	321.92	569.64	78	92-	m	BGS
*BDL	DOBCROSS HALL	54.8030	-2.9390	339.65	545.76	132	92-	1	BGS
*BHH	HOWATS HILL	55.0928	-3.2187	322.23	578.28	198	92-	3	BGS
*BNA	NEW ABBEY	54.9659	-3.6244	296.02	564.70	78	92-	1	BGS
*BTA	TALKIN	54.9057	-2.6841	356.14	557.00	276	92-	3	BGS
*BWH	WARDLAW	55.1757	-3.6551	294.61	588.08	275	92-	1	BGS
CBW	BUDOCK WATER	50.1482	-5.1144	177.53	32.29	98	81-	1	BGS
CCA	CARNMENELLIS	50.1864	-5.2277	169.62	36.87	213	81-	1	BGS
CCO	CONSTANTINE	50.1357	-5.1960	171.64	31.15	183	81-	1	BGS
*CDU	DUNNERDALE	54.3363	-3.1950	322.31	494.09	362	92-	1	BGS
CGH	GOONHILLY	50.0508	-5.1649	173.47	21.61	91	81-	1	BGS
*CKE	KESWICK	54.5878	-3.1062	328.52	521.98	296	92-	1	BGS
CME	MENERDUE FARM	50.1760	-5.1903	172.24	35.61	178	82-	3R	BGS
CPZ	PENZANCE	50.1560	-5.5835	144.07	34.66	198	81-	1R	BGS
CR2	ROSEMANOWES 2	50.1669	-5.1687	173.74	34.53	152	81-	3	BGS
CRA	RAME	50.1648	-5.1921	172.06	34.36	198	82-	3	BGS
CRQ	ROSEMANOWES	50.1672	-5.1728	173.45	34.57	165	81-	SR	BGS
CSA	ST AUSTELL	50.3528	-4.8936	194.18	54.39	113	81-	1	BGS
*CSF	SCAFELL	54.4478	-3.2431	319.40	506.55	548	92-	1	BGS
*CSM	SELLAFIELD MIC	54.4183	-3.4913	303.24	503.58	50	92-	m	BGS
CST	STITHIANS	50.1952	-5.1635	174.24	37.66	139	81-	1	BGS
CTR	TROLVIS QUARRY	50.1665	-5.1624	174.18	34.47	191	82-	3	BGS
CWF	CHARNWOOD FST	52.7382	-1.3071	446.78	315.88	185	75-	3R	BGS
DCO	COMBE FARM	50.3200	-3.8724	266.72	48.42	410	82-	1R	BGS
DYA	YADSWORTHY	50.4352	-3.9309	262.89	61.33	280	82-	3R	BGS
EAB	ABERFOYLE	56.1881	-4.3400	254.80	701.95	250	69-	1R	BGS
*EAU	AUCHINOON	55.8444	-3.4547	308.92	662.20	350	69-	1R	BGS
EBH	BLACK HILL	56.2481	-3.5081	306.56	707.19	375	69-	1R	BGS
EBL	BROAD LAW	55.7733	-3.0436	334.54	653.82	365	69-	1R	BGS
ECK	CAULDKAINE HILL	55.1812	-3.1271	328.24	588.02	337	81-	1R	BGS
EDI	EDINBURGH	55.9233	-3.1861	325.89	670.66	125	69-	4R	BGS
*EDR	DRUMTOCHTY	56.9184	-2.5404	367.18	780.96	388	89-	1R	BGS
EDU	DUNDEE	56.5475	-3.0142	337.65	739.95	275	69-	1R	BGS
ELO	LOGIEALMOND	56.4706	-3.7119	294.55	732.24	495	69-	1R	BGS
ESK	ESKDALEMUIR	55.3167	-3.2050	323.54	603.18	263	65-	4R	BGS
ESY	STONEYPATH	55.9177	-2.6144	361.60	669.57	328	81-	1R	BGS
GAL	GALLOWAY	54.8664	-4.7114	226.02	555.78	105	89-	4m	BGS
GCD	CASTLE DOUGLAS	54.8638	-3.9417	275.40	553.85	189	89-	1R	BGS
GCL	CUSHENDALL	55.076	-6.130	136.4	583.7	275	89-	1R	BGS
*GIM	N ISLE OF MAN	54.2923	-4.4670	239.46	491.35	366	89-	3R	BGS
GMK	MULL OF KINTYRE	55.3459	-5.5936	172.18	611.65	160	89-	1R	BGS
GMM	MTS OF MOURNE	54.239	-5.951	142.6	489.8	140	89-	1R	BGS
HAE	ALDERS END	52.0376	-2.5475	362.45	237.88	224	82-	1R	BGS
HBL2	BONNYLANDS	52.0508	-3.0384	328.80	239.72	440	91-	LR	BGS
HCG	CRAIG GOCH	52.3224	-3.6567	287.10	270.70	511	80-	1R	BGS
HEX	HEXMOOR	51.0668	-3.8025	273.72	131.32	278	91-	1R	BGS
HGH	GRAY HILL	51.6380	-2.8064	344.20	193.64	210	80-	1R	BGS
HLM	LONG MYND	52.5169	-2.8878	339.76	291.41	259	84-	1	BGS
HPE	PEMBROKE	51.9371	-4.7745	209.27	230.18	355	90-	1R	BGS
HPK	HAVERAH PARK	53.9554	-1.6240	424.67	451.12	227	78-	3R	BGS
HSA	SWANSEA	51.7478	-4.1543	251.30	207.70	274	87-	1R	BGS

TABLE 4 : continued

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agency
HTL	HARTLAND	50.9944	-4.4850	225.64	124.67	91	81-	4Rm	BGS
HTR	TREWERN HILL	52.0790	-3.2697	313.00	243.10	329	82-	1R	BGS
JLP	LES PLATONS	49.2428	-2.1039			131	81-	1R	BGS
JQE	QUEENS EAST	49.200	-2.038			56	91-	1	BGS
JQS	QUEENS SOUTH	49.180	-2.063			62	91-	1	BGS
JQW	QUEENS WEST	49.196	-2.057			73	91-	1	BGS
JRS	MAISON ST LOUIS	49.1924	-2.0917			53	81-	4R	BGS
JSA	ST AUBINS	49.1879	-2.1709			21	81-	1R	BGS
JVM	VALLE D.L.MARE	49.2169	-2.2068			64	81	1R	BGS
KAC	ACHNASHELLACH	57.4999	-5.2982	202.40	850.29	330	83-	1R	BGS
KAR	ARISAIG	56.9175	-5.8302	166.90	787.20	225	83-	1	BGS
KBI	BIRLEY GRANGE	53.2546	-1.5278	431.50	373.20	270	88-	1	BGS
KEY	KEYWORTH	52.8774	-1.0751	462.24	331.54	75	88-	L	BGS
KNR	NEVIS RANGE	56.8219	-4.9714	218.68	773.97	1118	91-	1R	BGS
KPL	PLOCKTON	57.3391	-5.6527	180.21	833.50	36	86-	4R	BGS
KSB	SHIEL BRIDGE	57.2098	-5.4230	193.30	818.39	70	83-	1R	BGS
KSK	SCOVAL	57.4653	-6.7020	118.09	851.40	250	89-	1R	BGS
KSY	SYSTON	52.9642	-0.5873	494.88	341.73	123	88-	1R	BGS
KTG	TILBROOK GRNGE	52.3261	-0.4007	508.98	271.03	78	88-	1	BGS
KUF	UFFORD	52.6175	-0.3895	509.02	303.45	35	88-	1R	BGS
KWE	WEAVER FARM	53.0163	-1.8435	410.50	346.60	320	88-	1R	BGS
*LBO	BOWLAND	53.9790	-2.5728	362.44	453.83	320	89-92	1R	BGS
*LBH	MORECAMBE B102	54.0324	-2.9058	340.68	460.00	-85	90-92	1R	BGS
*LBS	MORECAMBE	54.0324	-2.0958	340.68	460.00	15	92-92	1	BGS
*LCK	CROOK	54.3595	-2.8715	343.37	496.36	200	89-92	1R	BGS
LCP	CASSOP	54.7368	-1.4741	433.86	538.12	185	91-	1R	BGS
LDU	LEEDS UNIV	53.8025	-1.5553	429.35	434.45	230	83-	m	BGS
LHO	HOLMEFIRTH	53.5451	-1.8548	409.62	405.42	460	91-	1R	BGS
*LKL	KIRKBY LONSDALE	54.2185	-2.5345	365.15	480.46	396	89-92	3R	BGS
*LLO	LONGRIDGE	53.8503	-2.5598	363.18	439.51	247	89-92	3R	BGS
LMI	MILLOM	54.2206	-3.3070	314.79	481.35	140	89-	3R	BGS
LMK	MARKET RASEN	53.4569	-0.3266	511.10	396.90	130	91-	1R	BGS
*LMU	MORECAMBE MIC	54.0250	-2.9051	340.71	459.18	5	89-92	m	BGS
LRN	RICHMOND	54.4167	-1.7858	413.90	502.40	300	91-	1R	BGS
LRW	LERWICK	60.1360	-1.1779	445.66	1139.27	100	78-	4R	BGS
LWH	WHINNY NAB	54.3335	-0.6714	486.38	493.94	265	91-	1R	BGS
MCD	COLEBURN DISTIL	57.5827	-3.2541	325.02	855.41	280	81-	4Rm	BGS
MCH	MICHAELCHURCH	51.9977	-2.9983	331.47	233.77	233	78-	4	BGS
MDO	DOCHFOUR	57.4412	-4.3633	258.17	841.43	366	81-	1R	BGS
MFI	FISHRIE	57.6116	-2.2953	382.36	857.97	220	88-	1R	BGS
MLA	LATHERON	58.305	-3.364	320.1	935.9	190	81-	1	BGS
MME	MEIKLE CAIRN	57.315	-2.965	341.9	825.3	455	81-	1	BGS
MVH	ACHVAICH	57.9232	-4.1816	270.79	894.70	198	84-	1	BGS
PCA	CARROT	55.700	-4.255	258.3	647.5	305	83-	1	BGS
PCO	CORRIE	55.988	-4.097	269.2	679.2	274	83-	1	BGS
PGB	GLENIFFERBRAES	55.810	-4.478	244.5	660.5	200	84-	3	BGS
PMS	MUIRSHIEL	55.846	-4.744	228.2	664.8	351	83-	1	BGS
*POB	OBSERVATORY	55.637	-4.417	247.9	664.1	34	92-	L	BGS
SAN	SANDWICK	60.0176	-1.2386	442.44	1126.05	155	85-	1	BGS
SBD	BRYN DU	52.9055	-3.2588	315.35	335.01	497	80-	1	BGS
SSP	STONEY POUND	52.4177	-3.1119	324.39	280.59	417	90-	3	BGS
TBW	BRENTWOOD	51.6549	0.2911	558.47	197.66	82	89-	1R	BGS
TCR	COLCHESTER	51.8349	0.9215	601.26	219.23	40	89-	1R	BGS
TEB	EASTBOURNE	50.8188	0.1459	551.14	104.40	70	89-	1R	BGS
TFO	FOLKESTONE	51.1136	1.1406	619.79	139.67	188	89-	4	BGS
TSA	SEVENOAKS	51.2427	0.1558	550.46	151.55	170	89-	1	BGS
WAL	WALLS	60.2576	-1.6133	421.40	1152.60	170	80-	1	BGS
*WCB	CHURCH BAY	53.3782	-4.5465	230.63	389.86	135	85-	4m	BGS
WFB	FAIRBOURNE	52.6830	-4.0378	262.27	311.47	325	85-	1R	BGS

**TABLE 4 : continued**

<b>Code</b>	<b>Name</b>	<b>Lat</b>	<b>Lon</b>	<b>KmE (km)</b>	<b>KmN (km)</b>	<b>Ht (m)</b>	<b>Yrs open</b>	<b>Comp</b>	<b>Agency</b>
WIM	ISLE OF MAN	54.1472	-4.6735	225.41	475.70	365	85-	1R	BGS
WLF	LLYNFAES	53.2893	-4.3966	240.27	379.64	65	85-	1	BGS
WME	MYNDD EILIAN	53.3966	-4.3034	246.86	391.37	130	85-	1R	BGS
WPM	PENMAENMAWR	53.2583	-3.9049	272.94	375.20	350	85-	1R	BGS
XAL	ALLENDALE	54.8617	-2.2147	386.22	551.91	462	83-	1R	BGS
XDE	DENT	54.5058	-3.4897	303.55	513.32	291	83-	1R	BGS
XSO	SOURHOPE	55.4925	-2.2511	384.13	622.11	495	83-	1R	BGS
YEL	YELL	60.5509	-1.0830	450.29	1185.55	200	79-	1	BGS
YLL	LLANBERIS	53.1402	-4.1704	254.84	362.57	162	84-	1R	BGS
YRC	RHOSCOLYN	53.2506	-4.5741	228.28	375.74	24	84-	1R	BGS
YRE	YR EIFL	52.9810	-4.4254	237.19	345.42	197	84-	1R	BGS
YRH	RHIW	52.8335	-4.6289	222.93	329.50	300	84-	1R	BGS
DCN	CROGHAN	53.3439	-7.2767			150	77-	1R	DIAS
DLF	LYONS FARM	53.2958	-6.5314			96	91-	3	DIAS
DMU	KINGSCOURT	53.8989	-6.9106			280	77-	1R	DIAS
DMS	MERRION SQUARE	53.3406	-6.2486			5	90-	1	DIAS
ECB	CARRICKBYRNE	52.3661	-6.7811			125	81-	1R	DIAS
ECP	CARNSORE PT	52.1800	-6.3689			5	80-	3R	DIAS
ETA	TARA HILL	52.6958	-6.2100			140	82-	1R	DIAS

\* BBH,BBO,BDL,BHH,BNA,BTA & BWH installed 1 February 1992

\* POB installed 12 February 1992

\* LBS installed 16 February 1992 and removed 14 October 1992

\* BCM installed 26 February 1992

\* CDU,CKE & CSF installed 17 September 1992

\* GIM became a 3-component site on 17 September 1992

\* CSM installed 13 October 1992

\* LCK removed 13 October 1992

\* LBH,LBO,LKL,LLO & LMU removed 14 October 1992

\* BCC installed 22 October 1992

\* WCB received a low frequency microphone on 24 October 1992

\* EAU on 1 Jan 1993 these co-ords revised to Gr.Ref. 309.38kmE 662.30kmN

\* EDR on 4 Jun 1993 these co-ords revised to Gr.Ref. 367.16kmE 780.97kmN

#### Agency codes:

- |      |                                      |
|------|--------------------------------------|
| BGS  | British Geological Survey            |
| DIAS | Dublin Institute of Advanced Studies |

#### Component codes:

- |   |  |
|---|--|
| 1 | Single vertical seismometer  |
| 3 | Orthogonal set of 3 seismometers   |
| 4 | As in 3, above, plus one low-gain vertical   |
| S | Orthogonal set of 3 strong motion seismometers plus one low-gain vertical seismometer  |
| L | Single low-gain vertical seismometer   |
| R | Station coordinates registered with the International Seismological Centre (ISC), England and the National Earthquake Information Centre (NEIC), USA |
| m | Low-frequency microphone   |



**TABLE 5**  
**PHASE DATA: 1992**

## KEY TO PHASE DATA ENCODING

<b>Time</b>	: Time of occurrence of event in hours, mins and secs, (UTC).
<b>Lat</b>	: Latitude of the event, positive latitude indicates north.
<b>Lon</b>	: Longitude of the event, negative longitude indicates west.
<b>Depth</b>	: Depth of the hypocentre in kilometres.
<b>Grid Ref</b>	: UK National Grid Reference in kilometres east (kmE) and kilometres north (kmN) of grid origin.
<b>Quality</b>	: Solution quality of hypocentre averaged from QS and QD. A, excellent; B, good; C, fair; D, poor
<b>RMS</b>	: Root Mean Square of the travel-time residuals in seconds.
<b>Magnitude</b>	: Richter local magnitude of the earthquake.
<b>Locality</b>	: A geographical indication of the epicentral area, usually the nearest town followed by the region.
<b>Intensity</b>	: Maximum MSK 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 MSK intensity produced by the event.
<b>Comments</b>	: Additional comments about the event eg: C/F see list of comments abbreviations below.
<b>STAT</b>	: Station name
<b>CO</b>	: Station component S=short period Z=vertical N=North-south E=east-west
<b>DIST</b>	: Distance from earthquake to station (km)
<b>PHAS</b>	: Phase identifier; the first letter characterizes onset E=emergent I=impulsive, the second indicates the phase eg P, S, PG and PN.
<b>WT</b>	: Hypo weighting factor to arrival 0 or blank=full weighting to 4=zero weighting (ignore). 9=use P-S interval only for this line.
<b>P</b>	: Polarity C=Compression/up D=Dilatation/down
<b>HrMn</b>	: Hour, Minute of event
<b>SECS</b>	: Seconds of event
<b>AMPL</b>	: Amplitude centre to peak in nanometers (nm)
<b>PERI</b>	: Period in seconds

### Locality abbreviations

<b>Sonic</b>	: Sonic boom	<b>M Glamorgan</b>	: Mid Glamorgan
<b>Expl</b>	: Explosion	<b>Notts</b>	: Nottinghamshire
<b>D &amp; G</b>	: Dumfries and Galloway	<b>Derbs</b>	: Derbyshire
<b>Her &amp; Wor</b>	: Hereford and Worcester	<b>N Yorks(hire)</b>	: North Yorkshire
<b>Gt(r) Manchester</b>	: Greater Manchester	<b>S Yorks(hire)</b>	: South Yorkshire
<b>Cambs</b>	: Cambridgeshire	<b>W Yorks(hire)</b>	: West Yorkshire
<b>S Glamorgan</b>	: South Glamorgan	<b>Staffs</b>	: Staffordshire
<b>M Tydfil</b>	: Merthyr Tydfil		

### Comments abbreviations

<b>Sonic</b>	: Sonic boom
<b>Expl</b>	: Explosion
<b>C/F</b>	: Coalfield type event
<b>...</b>	: and felt elsewhere

## PHASE DATA : 1992

## TABLE 5

<b>January 2 1992</b>	<b>Time: 21:39 48.7 UTC</b>	<b>Magnitude: 2.4 ML</b>	<b>MLA</b>	<b>SZ</b>	<b>523</b>	<b>ES</b>	<b>2</b>	<b>21:61</b>	<b>01.56</b>
Lat: 59.687N	Lon: 1.421E	Depth: 15.0 km	ODD1	SZ	260	EP	3	21:59	39.05
Grid Ref: 592.55 kmE	1093.96 kmN	RMS: 0.07 secs	ODD1	SZ	260	ES	3	21:60	05.71
Locality: NORTHERN NORTH SEA		Quality: D	KMY	SZ	286	EP	3	21:59	42.21
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI		KMY	SZ	286	ES	3	21:60	10.24
ASK SZ 228 EP 3 21:40	21.00		SUE	SZ	98	EP	3	21:59	18.08
ASK SZ 228 ES 4 21:40	42.60		SUE	SZ	98	ES	3	21:59	29.26
SUE SZ 239 ES 3 21:40	47.00		BER	SZ	173	EP	3	21:59	28.00
HYA SZ 310 ES 3 21:41	02.30		ASK	SZ	160	EP	3	21:59	26.45
LRW SN 154 ES 3 21:40	28.87		ASK	SZ	160	ES	3	21:59	44.80
SAN SZ 153 EP 3 21:40	11.00		HYA	SZ	161	EP	3	21:59	25.77
SAN SZ 153 ES 3 21:40	28.47		HYA	SZ	161	EP	3	21:59	44.41
SAN SZ 153		30.08 42 0.19							
<b>January 3 1992</b>	<b>Time: 12:21 52.8 UTC</b>	<b>Magnitude: 0.8 ML</b>	<b>January 15 1992</b>	<b>Time: 19:46 13.7 UTC</b>	<b>Magnitude: 0.0 ML</b>				
Lat: 56.046N	Lon: 5.100W	Depth: 5.0 km	Lat: 55.199N	Lon: 3.371W	Depth: 6.8 km				
Grid Ref: 206.97 kmE	688.04 kmN	RMS: 0.07 secs	Grid Ref: 312.74 kmE	590.24 kmN	RMS: 0.02 secs				
Locality: GLENDARUEL, STRATHCLYDE		Quality: C	Locality: JOHNSTONEBRIDGE, D & G		Quality: C				
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI		STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI					
PGB SZ 47 EP 2 C 12:22	01.17		ESK SN 17		19:46				
PGB SN 47 ES 3 12:22	07.24		ESK SE 17		19:46				
PGB SN 47	12:22	10.83 8 0.14	ESK SE 17		19:46				
PGB SE 47	12:22	03.63 6 0.07	ESK SZ 17		19:46				
PCA SZ 65 EP 3 12:22	03.79		ECK SZ 16		19:46				
PMS SZ 32 EP 2 C 12:21	58.68		ECK SZ 16		19:46				
EAB SZ 50 EP 2 12:22	01.63								
EAB SZ 50 ES 3 12:22	07.89								
PCO SZ 63 EP 3 12:22	03.65								
<b>January 5 1992</b>	<b>Time: 05:40 28.2 UTC</b>	<b>Magnitude: 2.6 ML</b>	<b>January 22 1992</b>	<b>Time: 13:45 34.2 UTC</b>	<b>Magnitude: 0.3 ML</b>				
Lat: 60.347N	Lon: 3.937E	Depth: 3.5 km	Lat: 53.304N	Lon: 1.844W	Depth: 0.5 km				
Grid Ref: 727.34 kmE	1177.25 kmN	RMS: 0.37 secs	Grid Ref: 410.41 kmE	378.60 kmN	RMS: 0.14 secs				
Locality: NORTHERN NORTH SEA		Quality: D	Locality: BUXTON, DERBYSHIRE		Quality: C				
Comments: COLLAPSE TYPE			Comments: COLLAPSE TYPE						
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI		STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI					
ASK SZ 71 IP 4 05:40	43.00		KWE SZ 32		13:45				
SUE SZ 91 EP 3 05:40	43.00		KWE SZ 32		13:45				
HYA SZ 153 EP 3 05:40	52.40		KBI SZ 22		13:45				
HYA SZ 153 ES 3 05:41	10.00		KBI SZ 22		13:45				
LRW SN 285 ES 3 05:41	37.69		LHO SZ 27		13:45				
LRW SE 285 EP 3 05:41	08.34		LHO SZ 27		13:45				
LRW SE 285 ES 3 05:41	37.01		LHO SZ 27		13:45				
LRW SE 285	05:41	40.10 17 0.24	LHO SZ 27		13:45				
SAN SZ 289 EP 3 05:41	09.70								
SAN SZ 289 ES 3 05:41	40.01								
<b>January 7 1992</b>	<b>Time: 03:17 41.5 UTC</b>	<b>Magnitude: 1.1 ML</b>	<b>January 26 1992</b>	<b>Time: 16:30 33.4 UTC</b>	<b>Magnitude: 1.3 ML</b>				
Lat: 56.127N	Lon: 3.750W	Depth: 1.0 km	Lat: 56.212N	Lon: 3.945W	Depth: 5.6 km				
Grid Ref: 291.21 kmE	694.07 kmN	RMS: 0.01 secs	Grid Ref: 279.39 kmE	703.85 kmN	RMS: 0.21 secs				
Locality: CLACKMANNAN, CENTRAL		Quality: C	Locality: DUNBLANE, CENTRAL		Quality: C				
Comments: C/F			STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI					
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI		EDI SN 57		16:30				
EDI SZ 42 EP 2 03:17	49.34		EDI SE 57		16:30				
EDI SN 42 ES 3 03:17	55.05		EAU SZ 51		16:30				
EDI SN 42	03:17	59.37 36 1.08	ESY SZ 89		16:30				
EBH SZ 20 EP 2 03:17	45.65		EAB SZ 25		16:30				
EBH SZ 20 ES 3 03:17	48.70		EAB SZ 25		16:30				
<b>January 7 1992</b>	<b>Time: 05:21 35.5 UTC</b>	<b>Magnitude: 1.5 ML</b>	EAB SZ 25		16:30				
Lat: 56.459N	Lon: 5.938W	Depth: 1.0 km	EBH SZ 27		16:30				
Grid Ref: 157.44 kmE	736.61 kmN	RMS: 0.17 secs	EDU SZ 69		16:30				
Locality: MULL, STRATHCLYDE		Quality: D	ELO SZ 32		16:30				
Comments: C/F			ELO SZ 32		16:30				
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI		ESK SN 110		16:30				
EDI SZ 42 EP 2 03:17	49.34		ESK SN 110		16:30				
EDI SN 42 ES 3 03:17	55.05		ESK SN 110		16:31				
EDI SN 42	03:17	59.37 36 1.08	ESK SN 110		16:31				
EBH SZ 20 EP 2 03:17	45.65		ESK SE 110		16:31				
EBH SZ 20 ES 3 03:17	48.70		ESK SE 110		16:31				
<b>January 7 1992</b>	<b>Time: 05:21 35.5 UTC</b>	<b>Magnitude: 1.5 ML</b>	ESK SE 110		16:31				
Lat: 56.459N	Lon: 5.938W	Depth: 1.0 km	EDI SZ 57		16:30				
Grid Ref: 157.44 kmE	736.61 kmN	RMS: 0.17 secs	EDI SZ 57		16:30				
Locality: MULL, STRATHCLYDE		Quality: D	EDI SN 57		16:30				
Comments: C/F									
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI								
PGB SZ 116 EP 3 05:21	54.76								
PGB SE 116	05:22	09.67 12 1.16							
PGB SN 116 ES 3 05:22	08.61								
PGB SN 116	05:22	12.24 16 0.21							
PMS SZ 101 EP 3 05:21	52.54								
PMS SZ 101 ES 3 05:22	05.36								
PCO SZ 126 EP 2 05:21	56.46								
PCO SZ 126 ES 3 05:22	11.71								
<b>January 10 1992</b>	<b>Time: 21:59 2.3 UTC</b>	<b>Magnitude: 3.4 ML</b>	<b>January 27 1992</b>	<b>Time: 02:43 49.7 UTC</b>	<b>Magnitude: 3.0 ML</b>				
Lat: 61.597N	Lon: 3.321E	Depth: 12.9 km	Lat: 50.662N	Lon: 1.880E	Depth: 7.3 km				
Grid Ref: 682.14 kmE	1313.28 kmN	RMS: 0.40 secs	Grid Ref: 674.13 kmE	91.93 kmN	RMS: 0.26 secs				
Locality: NORTHERN NORTH SEA		Quality: D	Locality: BOULOGNE, FRANCE		Quality: C				
Comments: C/F			STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI					
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI		SNF SZ 171		02:44				
LRW SN 294 ES 2 21:60	13.06		LDF SZ 272		02:44				
LRW SN 294	21:60	15.52 54 0.09	FLN SZ 271		02:44				
LRW SE 294	21:60	15.76 43 0.12	GRR SZ 321		02:44				
LRW SZ 294 EP 2 21:59	43.27		LPF SZ 362		02:44				
SAN SZ 304 EP 2 21:59	44.38		APA SZ 184		02:44				
SAN SZ 304 ES 4 21:60	13.53		AWI SZ 243		02:44				
MCD SN 581 ES 2 21:61	13.92		ABA SZ 253		02:44				
MCD SN 581	21:61	14.64 25 0.41	TFO SN 72		02:44				
MCD SE 581	21:61	15.94 23 0.13	TFO SE 72		02:44				
MDO SZ 636 ES 2 21:61	25.70		TFO SE 72		02:44				
MME SZ 595 EP 2 21:60	19.53		TFO SZ 72		02:44				
MME SZ 595 ES 3 21:61	16.77		TFO SZ 72		02:44				
MVH SZ 587 EP 2 21:60	19.11		TSA SZ 137		02:44				
MVH SZ 587 ES 3 21:61	15.24		TBW SZ 157		02:44				
MLA SZ 523 EP 2 21:60	11.42		TCR SZ 147		02:44				
			SSP SZ 398		02:44				
			SSP SZ 398		02:44				
			SSP SZ 398		02:45				
			SSP SE 398		02:45				
			HAE SZ 345		02:44				
			HGH SZ 346		02:44				
			HLM SZ 390		02:44				
			JRS SN 329		02:45				
			JRS SE 329		02:45				

PHASE DATA : 1992

TABLE 5 (cont'd)

JRS	SE	329			02:45	28.18	73	0.74	January 30 1992	Time: 14:33 2.3 UTC	Magnitude: 1.2 ML
JRS	SZ	329	EP	2	02:44	36.16			Lat: 53.138N	Lon: 1.529W	Depth: 0.5 km
JLP	SZ	326	EP	2	02:44	35.97			Grid Ref: 431.49 kmE 360.21 kmN		RMS: 0.33 secs
JSA	SZ	334	EP	3	02:44	36.25			Locality: MATLOCK, DERBYSHIRE		Quality: D
JVM	SZ	335	EP	2	02:44	36.63			Comments: COLLAPSE TYPE		
JQS	SZ	328	EP	3	02:44	35.54			STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI	
JQW	SZ	327	EP	3	02:44	35.65			CWF SZ 47 EP 3	11.15	
UCC	SZ	176	EP	3	02:44	17.40			CWF SN 47	14:33	18.53 18 0.56
<b>January 27 1992</b>		<b>Time: 22:16 5.6 UTC</b>		<b>Magnitude: 2.6 ML</b>		<b>Lat: 61.639N</b>		<b>Depth: 0.6 km</b>		<b>Grid Ref: 605.73 kmE 1312.51 kmN</b>	
<b>Locality: NORTHERN NORTH SEA</b>		<b>Quality: D</b>		<b>STAT CO DIST PHAS WT P HrMn</b>		<b>February 1 1992</b>		<b>Time: 13:17 1.5 UTC</b>		<b>Magnitude: 1.7 ML</b>	
STAT	CO	DIST	PHAS	WT	P	HrMn	STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI			
ODD1	SN	322	IP			22:16	50.50	KWE SZ 9 IP 1 C	13:17		
ODD1	SN	322	ES			22:17	25.30	KWE SZ 9 ES 3	13:17	06.05	
KMY	SZ	328	IP			22:16	50.40	CWF SZ 50 EP 2	13:17	10.19	
KMY	SZ	328	ES			22:17	24.60	CWF SN 50 ES 2	13:17	17.54	
SUE	SZ	167	EP			22:16	30.70	CWF SN 50	13:17	18.47	57 0.25
SUE	SZ	167	ES			22:16	51.80	CWF SE 50	13:17	18.57	23 0.16
HYA	SZ	236	EP			22:16	39.80	KSY SZ 81 EP 3	13:17	16.18	
HYA	SZ	236	ES			22:17	07.80	HPK SZ 97 EP 3	13:17	18.21	
ASK	SZ	220	EP			22:16	37.60	HPK SN 97 ES	13:17	30.59	
ASK	SZ	220	ES			22:17	03.70	HPK SN 97	13:17	33.51	35 0.19
LRW	SN	236				22:17	12.31	HPK SE 97	13:17	32.72	22 0.48
LRW	SE	236	ES	2		22:17	05.92	LHO SZ 51 EP 3	13:17	10.49	
LRW	SE	236				22:17	10.49	LRN SZ 148 EP 3	13:17	25.71	
LRW	SE	236	ES			22:17	03.64				
SAN	SZ	248	EP	4		22:16	36.55				
SAN	SZ	248	ES	3		22:17	08.80				
<b>January 29 1992</b>		<b>Time: 08:36 10.0 UTC</b>		<b>Magnitude: 1.7 ML</b>		<b>Lat: 56.311N</b>		<b>Depth: 1.0 km</b>		<b>February 1 1992</b>	
<b>Locality: BALQUHIDDER, CENTRAL</b>		<b>Comments: FELT INVERLOCHLARIG</b>		<b>STAT CO DIST PHAS WT P HrMn</b>		<b>Time: 20:37 5.2 UTC</b>		<b>Magnitude: 1.1 ML</b>		<b>Lat: 52.664N</b>	
<b>Quality: C</b>		<b>Intensity: 2+</b>		<b>SECS AMPL PERI</b>		<b>Lat: 52.016W</b>		<b>Depth: 3.2 km</b>		<b>Grid Ref: 398.92 kmE 307.35 kmN</b>	
<b>Comments: FELT INVERLOCHLARIG</b>		<b>Quality: C</b>		<b>STAT CO DIST PHAS WT P HrMn</b>		<b>Locality: CANNOCK, STAFFORDSHIRE</b>		<b>RMS: 0.44 secs</b>		<b>Quality: C</b>	
STAT	CO	DIST	PHAS	WT	P	HrMn	KBI SZ 74 ES 3	20:38			
ESK	SN	136	ES	3		08:36	48.53	HLM SZ 61 EP 3	20:38	02.86	
ESK	SN	136				08:36	51.09	SBD SZ 88 EP 3	20:38	06.91	
ESK	SE	136				08:36	50.91	CWF SZ 49 EP 3	20:38	01.21	
ESK	SZ	136	EP	3	C	08:36	32.35	CWF SN 49 ES 2	20:38	07.30	
XSO	SZ	166	EP	3		08:36	37.47	CWF SN 49	20:38	08.07	19 0.30
XSO	SZ	166	ES	3		08:36	57.67	CWF SE 49	20:38	07.89	9 0.30
ECK	SZ	151	EP	3		08:36	35.20	KWE SZ 41 EP 2	20:37	58.72	
MCD	SN	160	ES	3		08:36	56.34	KWE SZ 41 ES 2	20:38	05.73	
MCD	SN	160				08:36	57.38				
MCD	SE	160	ES	3		08:36	56.43				
MCD	SE	160				08:36	57.74				
MCD	SZ	160	EP	3		08:36	35.97				
MDO	SZ	126	EP	3		08:36	31.54				
MDO	SZ	126	ES	3		08:36	46.77				
MME	SZ	144	EP	3		08:36	33.68				
MME	SZ	144	ES	3		08:36	52.22				
MVH	SZ	180	ES	3		08:37	00.75				
MFI	SZ	196	EP	4		08:36	13.77				
MFI	SZ	196	ES	4		08:36	41.27				
EDI	SN	90	ES	3		08:36	36.79				
EDI	SN	90				08:36	41.10				
EDI	SE	90				08:36	41.02				
EAU	SZ	81	EP	3	C	08:36	24.16				
EBL	SZ	107	EP	3		08:36	28.50				
ESY	SZ	123	EP	2		08:36	30.57				
EAB	SZ	16	IP	1		08:36	13.36				
EAB	SZ	16	ES	3		08:36	15.40				
EDU	SZ	93	EP	3		08:36	25.66				
ELO	SZ	50	EP	1	C	08:36	18.59				
EDR	SZ	136	EP	3		08:36	32.41				
EDI	SZ	90	EP	3	C	08:36	25.87				
KPL	SN	136				08:36	49.59				
KPL	SE	136	ES	3		08:36	48.55				
KPL	SE	136				08:36	49.66				
KPL	SZ	136	EP	3	D	08:36	32.88				
KPL	SZ	136				08:36	38.99				
KNR	SZ	65	EP	3		08:36	20.99				
KNR	SZ	65	ES	3		08:36	28.75				
KSB	SZ	116	EP	3		08:36	29.93				
ECK	SZ	151	ES	3		08:36	53.45				
ECK	SZ	151	ES	3		08:36	53.45				
PGB	SZ	56	EP	2		08:36	20.42				
PGB	SZ	56	ES	3		08:36	27.40				
PGB	SN	56				08:36	30.24				
PGB	SN	56				08:36	24 0.25				
PGB	SE	56				08:36	27.04				
PGB	SE	56				08:36	17 0.40				
PCA	SZ	69	EP	2		08:36	22.43				
PMS	SZ	55	EP	2		08:36	20.03				
PMS	SZ	55	ES	3		08:36	26.61				
PCO	SZ	43	IP	1	C	08:36	17.85				
PCO	SZ	43	ES	3		08:36	23.96				

## PHASE DATA : 1992

TABLE 5 (cont'd)

WFB SZ 71 EP 2 05:49 18.66	SBD SZ 65 EP 1 09:47 09.21
YRE SZ 86 IP 1 05:49 21.14	HAE SZ 79 EP 2 09:47 12.05
YRE SZ 86 ES 2 05:49 31.64	HCG SZ 100 EP 1 09:47 15.02
YRH SZ 102 IP 1 05:49 23.62	HTR SZ 96 EP 2 09:47 14.63
SSP SE 66 ES 2 05:49 26.10	HTR SZ 96 ES 3 09:47 25.64
WCB SZ 102 EP 2 05:49 22.69	HLM SZ 44 IP 1 C 09:47 05.94
WCB SN 102 ES 2 05:49 35.16	HLM SZ 44 ES 2 09:47 11.21
WCB SN 102 05:49 38.44 2 0.09	CWF SE 70 09:47 18.94 121 0.06
WCB SE 102 05:49 37.21 3 0.12	KWE SZ 46 EP 2 C 09:47 06.67
WME SZ 88 EP 2 05:49 21.49	CWF SZ 70 EP 09:47 10.58
WLF SZ 89 EP 2 05:49 21.60	CWF SN 70 ES 09:47 18.73
MCH SN 114 ES 2 05:49 38.41	CWF SN 70 09:47 18.93 191 0.07
MCH SE 114 05:49 41.97 6 0.09	LHO SZ 96 EP 3 09:47 14.71
SBD SZ 14 IP C 05:49 10.11	SSP SZ 63 EP 2 09:47 09.12
SBD SZ 14 ES 2 05:49 12.24	
HCG SZ 84 EP 2 05:49 20.76	<b>February 12 1992</b> Time: 02:56 52.9 UTC Magnitude: 0.6 ML
HPK SE 145 05:49 48.12 11 0.25	Lat: 54.392N Lon: 3.063W Depth: 7.8 km
HPK SN 145 EP 3 05:49 30.99	Grid Ref: 330.96 kmE 500.13 kmN RMS: 0.32 secs
HPK SN 145 ES 05:49 46.71	Locality: CONISTON, CUMBRIA Quality: C
HPK SN 145 05:49 47.74 23 0.32	
HTR SZ 104 EP 3 05:49 24.53	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI
<b>February 11 1992</b> Time: 00:45 2.8 UTC Magnitude: 1.6 ML	XDE SZ 31 EP 3 02:56 59.72
Lat: 53.574N Lon: 2.616W Depth: 10.4 km	XDE SZ 31 ES 3 02:57 02.47
Grid Ref: 359.19 kmE 408.80 kmN	LCK SZ 13 IP 2 D 02:56 56.03
Locality: STANDISH, GT MANCHESTER	LCK SZ 13 ES 3 02:56 57.92
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI	LKL SZ 40 EP 2 D 02:56 59.91
HPK SZ 78 EP 2 D 00:45 15.81	LKL SZ 40 ES 3 C 02:57 04.55
HPK SN 78 ES 3 00:45 24.72	LBO SZ 56 EP 3 02:57 02.83
HPK SN 78 00:45 28.58 43 0.25	BBO SZ 40 EP 3 02:57 00.45
HPK SE 78 00:45 27.90 28 0.31	BBO SZ 40 ES 3 02:57 04.64
LHO SZ 51 IP 2 C 00:45 11.36	LMI SZ 25 IP 1 C 02:56 57.85
MCH SN 177 ES 3 00:45 48.72	LMI SE 25 02:57 02.30 7 0.21
MCH SN 177 00:45 52.69 14 0.14	LMI SN 25 ES 3 02:57 00.56
MCH SE 177 00:45 52.58 10 0.23	LMI SN 25 02:57 02.27 8 0.21
SBD SZ 86 EP 2 00:45 17.00	BHH SZ 79 EP 3 02:57 06.11
SBD SZ 86 ES 3 00:45 27.22	BHH SE 79 02:57 17.06 3 0.12
HLM SZ 119 EP 3 00:45 22.38	BHH SN 79 02:57 17.61 5 0.11
HLM SZ 119 ES 3 00:45 35.73	
WCB SN 130 00:45 39.47 8 0.90	<b>February 16 1992</b> Time: 12:41 6.9 UTC Magnitude: 1.3 ML
WCB SE 130 ES 2 00:45 37.88	Lat: 51.542N Lon: 3.169W Depth: 18.9 km
WCB SE 130 00:45 38.19 14 1.02	Grid Ref: 318.93 kmE 183.30 kmN RMS: 0.08 secs
WME SZ 114 EP 3 00:45 20.87	Locality: CARDIFF, S GLAMORGAN Quality: C
WME SZ 114 ES 3 00:45 34.40	
WLF SZ 123 EP 3 00:45 22.00	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI
WLF SZ 123 ES 3 00:45 36.32	MCH SE 52 12:41 22.71 15 0.06
YRC SZ 135 EP 2 D 00:45 23.87	HAE SZ 70 EP 1 C 12:41 18.66
YRC SZ 135 ES 3 00:45 39.55	HGH SZ 27 IP C 12:41 12.44
YLL SZ 114 EP 2 00:45 21.07	HTR SZ 60 EP 2 12:41 17.33
YLL SZ 114 ES 3 00:45 34.55	HLM SZ 110 ES 3 12:41 37.73
YRE SZ 138 EP 2 C 00:45 24.17	MCH SZ 52 IP 1 C 12:41 15.84
YRE SZ 138 ES 3 00:45 39.75	MCH SZ 52 EP 1 12:41 10.33
YRH SZ 158 EP 3 00:45 27.16	MCH SN 52 ES 1 12:41 22.48
WCB SZ 130 EP 2 00:45 23.07	MCH SN 52 12:41 22.55 20 0.09
LMI SZ 85 EP 2 00:45 16.86	
LMI SN 85 ES 3 00:45 27.02	<b>February 17 1992</b> Time: 01:22 33.0 UTC Magnitude: 3.3 ML
LMI SN 85 00:45 29.03 12 0.16	Lat: 52.500N Lon: 0.193W Depth: 11.1 km
LMI SE 85 00:45 28.99 8 0.16	Grid Ref: 522.66 kmE 290.72 kmN RMS: 0.20 secs
LCK SZ 89 IP 1 C 00:45 17.49	Locality: PETERBOROUGH, CAMBS Quality: B
LCK SZ 89 ES 2 00:45 27.50	Comments: FELT CAMBRIDGESHIRE... Intensity: 5
LBO SZ 45 IP 1 D 00:45 10.80	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI
LBO SZ 45 ES 3 00:45 15.87	EDU SZ 428 ES 2 01:24 13.84
WPM SZ 93 EP 2 D 00:45 18.09	EDU SZ 428 01:24 17.43 56 0.57
WPM SZ 93 ES 3 00:45 28.62	EDU SZ 428 01:24 16.47 38 0.70
<b>February 11 1992</b> Time: 09:46 58.4 UTC Magnitude: 1.8 ML	EDU SZ 428 EP 2 01:23 31.37
Lat: 52.732N Lon: 2.345W Depth: 11.2 km	EDU SZ 428 EP 2 01:23 31.36
Grid Ref: 376.67 kmE 315.00 kmN RMS: 0.27 secs	CME SN 434 ES 2 01:24 12.19
Locality: WELLINGTON, SHROPSHIRE Quality: C	EDU SZ 428 EP 2 01:24 03.03 59 0.56
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI	EDU SZ 428 EP 2 01:24 25.44 72 0.67
YLL SZ 131 EP 2 09:47 19.59	ESK SN 371 01:24 03.23
YLL SZ 131 ES 2 09:47 34.02	ESK SE 371 01:24 23.87
YRE SZ 143 EP 2 09:47 21.50	XSO SZ 359 EP 3 01:23 22.37
YRE SZ 143 ES 3 09:47 37.78	ECK SZ 356 EP 2 01:23 21.47
YRH SZ 154 EP 2 09:47 23.55	CR2 SZ 433 EP 1 C 01:23 30.47
YRH SZ 154 ES 2 09:47 40.59	CR2 SZ 433 ES 01:24 12.61
WFB SZ 115 ES 2 09:47 30.09	CR2 SZ 433 01:24 17.97 14 0.24
WCB SN 164 ES 2 09:47 42.77	CR2 SZ 433 01:24 16.17 19 0.23
WCB SN 164 09:47 43.14 15 0.40	CR2 SZ 433 01:24 27.08
WCB SE 164 09:47 43.37 10 0.24	CGH SZ 441 EP 2 01:23 31.48
WME SZ 151 EP 2 09:47 22.64	CCO SZ 437 EP 2 01:23 30.82
WME SZ 151 ES 2 09:47 39.24	CCA SZ 435 EP 2 01:23 30.70
WLF SZ 151 EP 2 09:47 22.33	CST SZ 431 EP 1 C 01:23 30.17
WLF SZ 151 ES 2 09:47 39.20	CBW SZ 432 EP 2 01:23 30.17
YRC SZ 160 ES 2 09:47 41.86	CMB SZ 434 EP 3 01:23 30.51
WPM SZ 120 ES 3 09:47 31.06	SSP SZ 198 EP 2 C 01:23 02.79
SSP SN 63 ES 2 09:47 16.39	SSP SN 198 01:23 28.02 391 0.35
SSP SN 63 09:47 16.60 11 0.14	SSP SE 198 ES 3 01:23 25.40
SSP SE 63 09:47 17.31 8 0.19	
MCH SE 93 ES 2 09:47 24.97	
MCH SZ 93 EP 2 09:47 14.04	

## PHASE DATA : 1992

**TABLE 5 (cont'd)**

PHASE DATA : 1992

TABLE 5 (cont'd)

KSB	SZ	12	ES	3	22:03	24.42		KBI	SZ	25	ES	3	00:50	36.04										
KAC	SZ	25	EP	3	22:03	24.57		KUF	SZ	95	EP	2	00:50	42.87										
KAC	SZ	25	ES	2	22:03	28.06		KUF	SZ	95	ES	3	00:50	53.73										
February 27 1992	Time: 02:50 24.9 UTC		Magnitude: 2.7 ML					HPK	SN	76	ES		00:50	49.22										
Lat: 55.211N	Lon: 3.408W		Depth: 5.9 km					HPK	SN	76			00:50	53.03										
Grid Ref: 310.45 kmE	591.68 kmN		RMS: 0.26 secs					LHO	SZ	51	EP	2	00:50	36.13										
Locality: JOHNSTONEBRIDGE, D & G			Quality: C					LMK	SZ	59	EP	3	00:50	37.49										
Comments: FELT NEWTON,SANDYFORD...								HPK	SZ	76	EP	2	00:50	40.28										
FELT	NEWTON,SANDYFORD,ESKDALE MUIR		Intensity: 4+					HPK	SZ	76			00:50	52.10										
			SECS	AMPL	PERI								19	0.46										
STAT	CO	DIST	PHAS	WT	P	HrMn		March	1	1992	Time: 18:24 45.5 UTC		Magnitude: 0.0 ML											
LMI	SZ	111	EP	2	C	02:50	43.84				Lat: 53.065N	Lon: 4.551W	Depth: 15.0 km											
LMI	SN	111				02:50	57.21	266	0.27		Grid Ref: 229.06 kmE	355.05 kmN	RMS: 0.04 secs											
LMI	SE	111	ES	3		02:50	56.48				Locality: CAERNARVON BAY, GWYNEDD	Quality: B												
LMI	SE	111				02:50	57.57	262	0.36															
LCK	SZ	101	IPG	1	D	02:50	42.14				STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI				
LCK	SZ	101	ESG	3		02:50	53.75				WCB	SN	35				18:24	56.56	1	0.07				
LKL	SZ	124	EP	2		02:50	45.66				WCB	SE	35	ES	2		18:24	56.01						
LKL	SZ	124	ES	3		02:51	00.19				WCB	SE	35				18:24	56.53	3	0.10				
PCO	SZ	97	EP	2		02:50	41.31				WME	SZ	41	EP	1		18:24	52.57						
KPL	SN	275				02:51	45.38	22	0.94		WLF	SZ	27	EP	2		18:24	50.52						
KPL	SE	275	ES	4		02:51	33.01				YRC	SZ	21	EP	2		18:24	49.75						
KPL	SE	275				02:51	43.79	19	0.47		WCB	SZ	35				18:24	51.84						
KPL	SZ	275	EP	4		02:51	05.07				WFB	SZ	55	EP	3		18:24	54.84						
MCD	SN	264	ES	4		02:51	29.66				YRH	SZ	26	EP	1		18:24	50.44						
MCD	SN	264				02:51	39.06	47	0.37		YRH	SZ	26	ES	2		18:24	53.93						
MCD	SE	264				02:51	40.11	56	0.48		YRE	SZ	13	IP	1	C	18:24	48.78						
GAL	SZ	92	IPG	4	C	02:50	40.00				YRE	SZ	13	ES	2		18:24	50.92						
GAL	SN	92	ESG	4		02:50	51.00				YLL	SZ	27	EP	1	D	18:24	50.58						
GAL	SZ	92	IPG	4	C	02:50	40.00				YLL	SZ	27	ES	2		18:24	53.99						
GCD	SZ	52	IPG	4	C	02:50	34.00																	
GCD	SZ	52	ESG	4		02:50	40.00																	
PGB	SZ	95	EP	3		02:50	41.32																	
PGB	SN	95	ES	3		02:50	51.99																	
PCA	SZ	76	IPG	1	D	02:50	38.18																	
PCA	SZ	76	ESG	3		02:50	47.51																	
PMS	SZ	110	EP	2	C	02:50	43.46																	
PMS	SZ	110	ES	3		02:50	56.31																	
ESK	SE	17	ESG	2		02:50	30.21																	
ESK	SZ	17	IPG		C	02:50	28.23																	
XAL	SZ	86	EPG	2	D	02:50	39.41																	
XAL	SZ	86	ESG	3		02:50	50.02																	
XDE	SZ	79	EP	3		02:50	38.25																	
XDE	SZ	79	ES	3		02:50	47.32																	
XSO	SZ	80	IPG	1	C	02:50	38.16																	
XSO	SZ	80	ESG	3		02:50	47.65																	
ECK	SZ	18	IPG		C	02:50	28.39																	
ECK	SZ	18	ESG	3		02:50	30.32																	
BHH	SZ	18	IPG		D	02:50	28.58																	
BHH	SN	18	ISG	2		02:50	30.96																	
BNA	SZ	31	IPG	1	C	02:50	30.35																	
BNA	SZ	31	ESG	3		02:50	34.17																	
BBO	SZ	54	IPG		D	02:50	34.58																	
BBO	SN	54				02:50	41.77	393	0.34															
BBO	SE	54	ESG	3		02:50	41.20																	
BBO	SE	54				02:50	41.74	191	0.19															
BTA	SZ	57	IPG		D	02:50	35.31																	
BTA	SE	57	ESG	3		02:50	42.11																	
BWH	SZ	16	IPG		C	02:50	28.21																	
BWH	SZ	16	ESG	2		02:50	30.18																	
BBH	SZ	32	IPG		C	02:50	30.75																	
BBH	SZ	32	ESG	3		02:50	34.15																	
BDL	SZ	54	IPG		D	02:50	34.86																	
EDI	SN	81	ESG	3		02:50	48.41																	
EAU	SZ	71	IPG		D	02:50	37.51																	
EAU	SZ	71	ESG	3		02:50	45.71																	
EBL	SZ	67	IPG	1	C	02:50	36.47																	
EBL	SZ	67	ESG	3		02:50	44.24																	
ESY	SZ	93	EP	3		02:50	40.48																	
EAB	SZ	124	EP	3		02:50	45.62																	
EAB	SZ	124	ES	3		02:51	00.65																	
EBH	SZ	116	EP	3		02:50	44.58																	
EBH	SZ	116	ES	3		02:50	58.54																	
EDI	SZ	81	IPG	1	C	02:50	39.02																	
February 28 1992	Time: 00:50 27.4 UTC		Magnitude: 2.0 ML																					
Lat: 53.326N	Lon: 1.179W		Depth: 11.6 km																					
Grid Ref: 454.69 kmE	381.37 kmN		RMS: 0.15 secs																					
Locality: WORKSOP, NOTTS			Quality: C																					
STAT	CO	DIST	PHAS	WT	P	HrMn																		
CWF	SZ	66	IP	1	C	00:50																		

PHASE DATA : 1992

TABLE 5 (cont'd)

YRH	SZ	6			C	03:52	26.00	40	0.06	HGH	SZ	35	ES	2	23:26	24.16		
YLL	SZ	41	IP		D	03:52	29.08			HTR	SZ	41	EP	2	23:26	20.30		
YLL	SZ	41				03:52	29.09	5	0.05	MCH	SN	38			23:26	25.48	51 0.12	
WFB	SZ	43	IP	1	D	03:52	29.54			MCH	SE	38	ES	1	23:26	25.17		
YRE	SZ	16	IP	1	C	03:52	25.35			MCH	SE	38			23:26	27.95	55 0.54	
YRE	SZ	16	ES	1		03:52	27.76			MCH	SZ	38	IP	1	C	23:26	19.91	
YRE	SZ	16				03:52	27.95	37	0.11	HSA	SZ	59	EP	3	23:26	23.41		
WLF	SZ	48	ES	2		03:52	35.68			HAE	SZ	63	ES	2	23:26	32.32		
YRC	SZ	42	ES	2		03:52	34.32											
<b>March 3 1992</b>		<b>Time: 22:21 41.3 UTC</b>				<b>Magnitude: 0.8 ML</b>				<b>March 16 1992</b>		<b>Time: 22:53 1.6 UTC</b>				<b>Magnitude: 1.1 ML</b>		
Lat: 55.796N		Lon: 3.848W				Depth: 1.0 km				Lat: 56.130N		Lon: 3.693W				Depth: 0.3 km		
Grid Ref: 284.17 kmE 657.40 kmN						RMS: 0.14 secs				Grid Ref: 294.76 kmE 694.35 kmN						RMS: 0.17 secs		
Locality: ALLANTON, STRATHCLYDE						Quality: C				Locality: CLACKMANNAN, CENTRAL						Quality: C		
Comments: C/F		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL PERI
PGB		SZ	40	EP	3			22:21	48.98	EDJ	SN	39	ES	3		22:53	14.75	
PGB		SN	40					22:21	52.99	EDI	SN	39				22:53	19.28	26 0.86
PGB		SE	40	ES	3			22:21	54.07	EDI	SE	39				22:53	17.21	45 0.79
PGB		SE	40					22:21	59.44	EAU	SZ	35	EP	2		22:53	08.49	
PCA		SZ	28	EP	2			22:21	46.69	EAU	SZ	35	ES	3		22:53	13.51	
PCA		SZ	28	ES	3			22:21	50.90	EBL	SZ	57	EP	2		22:53	11.93	
<b>March 3 1992</b>		<b>Time: 22:32 4.7 UTC</b>				<b>Magnitude: 1.0 ML</b>				<b>EAB</b>		<b>SZ</b>				<b>15.06</b>		
Lat: 56.125N		Lon: 3.737W				Depth: 1.7 km				EBH		SZ				05.50		
Grid Ref: 292.03 kmE 693.84 kmN						RMS: 0.10 secs				EBH		SZ				08.51		
Locality: CLACKMANNAN, CENTRAL						Quality: B				ELO		SZ				09.00		
Comments: C/F		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	EDR	SZ	113	EP	2		22:53	21.18	
EDJ		SN	41	EP	2			22:32	12.18	EDI	SZ	39	EP	2		22:53	08.83	
EDI		SN	41					22:32	22.60	EAU	SZ	36	EP	07:23		53.77		
EDI		SE	41	ES	2			22:32	17.77	EAU	SZ	36	ES	2		58.80		
EDI		SE	41					22:32	18.24	EDU	SZ	36				04.48	45 0.69	
EAU		SZ	36	EP	2			22:32	11.33	EBL	SZ	57	EP	3		57.11		
EAU		SZ	36	ES	3			22:32	16.12	EBL	SZ	57	ES	3		07:24		
EBL		SZ	59	EP	3			22:32	14.91	EDU	SZ	63	EP	2		07:24		
ESY		SZ	74	EP	2			22:32	17.69	ESY	SZ	72	EP	2		07:24		
EAB		SZ	38	EP	2			22:32	11.70	EAB	SZ	40	EP	2		07:24		
EAB		SZ	38	ES	4			22:32	14.97	EAB	SZ	40	ES	3		07:24		
EBH		SZ	20	EP	2			22:32	08.53	EBH	SZ	18	IP	1	D	07:23	50.74	
EBH		SZ	20	ES	3			22:32	11.68	EBH	SZ	18	ES	2		07:23	53.65	
EDU		SZ	65	EP	2			22:32	16.24	EDU	SZ	63	EP	2		07:23	58.77	
ELO		SZ	39	IP	1			22:32	11.81	ELO	SZ	38	EP	2		07:23	54.32	
ELO		SZ	39	ES	3			22:32	17.00	ELO	SZ	38	ES	3		07:23	58.99	
PCO		SZ	27	EP	2			22:32	10.02	PCO	SZ	29	EP	3		07:23	52.76	
<b>March 5 1992</b>		<b>Time: 02:45 28.9 UTC</b>				<b>Magnitude: 1.2 ML</b>				<b>March 19 1992</b>		<b>Time: 07:23 47.3 UTC</b>				<b>Magnitude: 1.3 ML</b>		
Lat: 52.945N		Lon: 2.132W				Depth: 1.0 km				Lat: 56.130N		Lon: 3.707W				Depth: 2.0 km		
Grid Ref: 391.10 kmE 338.68 kmN						RMS: 0.21 secs				Grid Ref: 293.91 kmE 694.35 kmN						RMS: 0.18 secs		
Locality: STONE, STAFFORDSHIRE						Quality: C				Locality: CLACKMANNAN, CENTRAL						Quality: C		
Comments: C/F		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL PERI
HAE		SZ	105	EP	2			02:45	46.93	KPL	SN	46					51.25	35 0.78
HCG		SZ	124	EP	2			02:45	50.18	KPL	SE	46	ES	3		46.53		
HLM		SZ	70	EP	2			02:45	41.15	KPL	SE	46				47.75	23 0.69	
SBD		SZ	76	IP	1	D		02:45	41.96	KPL	SZ	46	EP	1	D	40.35		
KWE		SZ	21	EP				02:45	33.20	KPL	SZ	46	EP	2	D	40.35		
KBI		SZ	53	EP	1			02:45	38.67	KSB	SZ	46	ES	3		40.35		
SSP		SZ	89	EP	2			02:45	44.09	KSB	SZ	46	ES	3		44.09		
SSP		SE	89					02:45	58.27	KAC	SZ	19	EP	2		44.09		
SSP		SN	89	ES	2			02:45	55.26	KAC	SZ	19	ES	4		44.09		
SSP		SN	89					02:45	57.16	BHH	SZ	25	EP	3		44.09		
CWF		SZ	60	EP	3			02:45	39.34	BHH	SZ	25	ES	2	D	44.09		
CWF		SN	60	ES	3			02:45	47.35	BHH	SZ	25	EP	3		44.09		
HPK		SZ	117	EP	3			02:45	48.87	BHH	SZ	25	ES	3		44.09		
HPK		SZ	117	ES	3			02:46	03.11	BHH	SZ	25	EP	2		44.09		
HPK		SZ	117					02:46	08.49	BHH	SZ	25	ES	3		44.09		
<b>March 12 1992</b>		<b>Time: 23:19 37.2 UTC</b>				<b>Magnitude: 1.6 ML</b>				<b>March 25 1992</b>		<b>Time: 15:38 31.8 UTC</b>				<b>Magnitude: 1.2 ML</b>		
Lat: 57.896N		Lon: 5.452W				Depth: 8.6 km				Lat: 57.558N		Lon: 5.007W				Depth: 1.0 km		
Grid Ref: 195.46 kmE 894.85 kmN						RMS: 0.23 secs				Grid Ref: 220.13 kmE 855.91 kmN						RMS: 0.09 secs		
Locality: GRUINARD BAY, HIGHLAND						Quality: C				Locality: ACHNASHEEN, HIGHLAND						Quality: C		
Comments: C/F		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL PERI
KPL		SN	63	ES	3			23:19	55.51	KPL	SN	37	ES	3		15:		

## PHASE DATA : 1992

TABLE 5 (cont'd)

March 27 1992	Time: 20:54	2.4 UTC	Magnitude: 1.6 ML	HLM	SZ	62	EP	2	D	03:32	38.99
Lat: 53.181N	Lon: 1.307W		Depth: 9.4 km	HCG	SZ	32	IP	1		03:32	34.46
Grid Ref: 446.31 kmE 365.15 kmN			RMS: 0.24 secs	HAE	SZ	61	EP	2		03:32	39.08
Locality: MANSFIELD, NOTTS			Quality: C	SSP	SN	45				03:32	42.36
STAT CO DIST PHAS WT P HrMn	SECS	AMPL	PERI	SSP	SE	45	ES	2		03:32	42.23
CWF SZ 49 EP 1 20:54	11.24			SSP	SE	45				03:32	42.53
CWF SN 49 ES 2 20:54	16.98			SSP	SZ	45	EP	1		03:32	36.32
CWF SN 49	20:54	22.97	13 0.24	MCH	SZ	32	IP		D	03:32	34.39
CWF SE 49	20:54	18.32	13 0.29	MCH	SN	32	ES	1		03:32	38.74
KWE SZ 40 EP 2 20:54	09.28			MCH	SN	32				03:32	38.81
KWE SZ 40 ES 2 20:54	14.33			MCH	SE	32				03:32	38.79
KBI SZ 17 EP 2 20:54	06.06									66	0.08
HPK SZ 89 EP 3 20:54	16.24									24	0.08
HPK SN 89 ES 3 20:54	27.72										
HPK SN 89	20:54	30.22	49 0.17	April 4 1992	Time: 03:38	12.0 UTC	Magnitude: 1.1 ML				
HPK SE 89	20:54	31.17	37 0.24	Lat: 56.124N	Lon: 3.737W		Depth: 1.0 km				
LHO SZ 55 EP 4 20:54	11.86			Grid Ref: 292.04 kmE 693.68 kmN			RMS: 0.10 secs				
LHO SZ 55 ES 3 20:54	18.74			Locality: CLACKMANNAN, CENTRAL			Quality: B				
LMK SZ 72 EP 2 20:54	14.34			Comments: C/F							
March 29 1992	Time: 02:47	27.3 UTC	Magnitude: 0.2 ML	STAT CO DIST PHAS WT P HrMn	SECS	AMPL	PERI				
Lat: 56.560N	Lon: 3.757W		Depth: 7.1 km	ELO	SZ	39	EP	2		03:38	19.25
Grid Ref: 292.04 kmE 742.30 kmN			RMS: 0.02 secs	ELO	SZ	39	ES	3		03:38	24.48
Locality: SCOTSTON, TAYSIDE			Quality: C	PCO	SZ	27	EP	2	C	03:38	17.22
STAT CO DIST PHAS WT P HrMn	SECS	AMPL	PERI	PCO	SZ	27	ES	3		03:38	21.38
EAB SZ 55 EP 3 02:47	36.71			EDI	SZ	41	IP	2	D	03:38	19.67
EAB SZ 55 ES 3 02:47	43.54			EDI	SN	41	ES	3		03:38	24.83
EAB SZ 55	02:47	44.77	8 1.35	EDI	SN	41				03:38	29.96
EBH SZ 38 EP 2 C 02:47	34.05			EDI	SE	41				03:38	28.15
EBH SZ 38 ES 3 02:47	39.04			EAU	SZ	36	EP	2		03:38	18.80
EBH SZ 38	02:47	45.19	11 1.38	EAU	SZ	36	ES	3		03:38	23.68
ELO SZ 10 EP 2 C 02:47	29.75			EAB	SZ	38	EP	2		03:38	19.33
ELO SZ 10 ES 3 02:47	31.49			EAB	SZ	38	ES	3		03:38	24.37
ELO SZ 10	02:47	31.89	11 1.08	EBH	SZ	20	EP	2		03:38	16.04
March 29 1992	Time: 03:43	56.6 UTC	Magnitude: 0.7 ML	EBH	SZ	20	ES	3		03:38	19.22
Lat: 57.332N	Lon: 5.443W		Depth: 2.6 km	EDU	SZ	65	EP	2		03:38	23.70
Grid Ref: 192.80 kmE 832.01 kmN			RMS: 0.09 secs	EDU	SZ	65	ES	3		03:38	32.12
Locality: SALLACHY, HIGHLAND			Quality: D								
STAT CO DIST PHAS WT P HrMn	SECS	AMPL	PERI								
KPL SN 13	03:44	09.98	93 0.35	April 5 1992	Time: 10:01	19.9 UTC	Magnitude: 0.1 ML				
KPL SE 13	03:44	06.64		Lat: 55.227N	Lon: 3.489W		Depth: 8.9 km				
KPL SE 13	03:44	01.10	32 0.08	Grid Ref: 305.32 kmE 593.57 kmN			RMS: 0.02 secs				
KPL SZ 13 IP 1 C 03:43	59.21			Locality: JOHNSTONEBRIDGE, D & G			Quality: B				
KSB SZ 14 EP 2 03:43	59.50			Comments: AFTERSHOCK							
KSB SZ 14 ES 3 03:44	01.24			STAT CO DIST PHAS WT P HrMn	SECS	AMPL	PERI				
KAC SZ 21 IP 1 D 03:44	00.56			BWH	SZ	12	IP	1	D	10:01	22.75
KAC SZ 21 EP 03:44	00.52			BWH	SZ	12	IS	2	C	10:01	24.68
March 29 1992	Time: 04:27	36.0 UTC	Magnitude: 0.2 ML	BHH	SE	23				10:01	28.59
Lat: 54.895N	Lon: 1.494W		Depth: 0.1 km	ESK	SZ	21	IP	1	C	10:01	23.99
Grid Ref: 432.46 kmE 555.67 kmN			RMS: 0.55 secs	ESK	SN	21	IS	2		10:01	26.92
Locality: WASHINGTON, TYNE & WEAR			Quality: D	ESK	SE	21				10:01	26.96
STAT CO DIST PHAS WT P HrMn	SECS	AMPL	PERI	ESK	SE	21				10:01	26.96
LRN SZ 57 EP 3 04:27	46.35			BHH	SZ	23	EP	2	C	10:01	24.35
LCP SZ 18 EP 2 D 04:27	39.59			BHH	SN	23	IS	2	C	10:01	27.50
LCP SZ 18 ES 3 04:27	44.61			BHH	SN	23				10:01	29.14
XSO SZ 82 EP 3 04:27	50.33									6	0.10
March 30 1992	Time: 21:13	2.2 UTC	Magnitude: 1.4 ML	April 7 1992	Time: 13:59	15.9 UTC	Magnitude: 1.5 ML				
Lat: 56.122N	Lon: 3.741W		Depth: 1.4 km	Lat: 53.225N	Lon: 1.434W		Depth: 19.1 km				
Grid Ref: 291.75 kmE 693.52 kmN			RMS: 0.13 secs	Grid Ref: 437.77 kmE 369.99 kmN			RMS: 0.25 secs				
Locality: CLACKMANNAN, CENTRAL			Quality: B	Locality: CHESTERFIELD, DERBYS			Quality: C				
Comments: C/F			STAT CO DIST PHAS WT P HrMn	SECS	AMPL	PERI					
STAT CO DIST PHAS WT P HrMn	SECS	AMPL	PERI	CWF	SE	55	ES	3		13:59	32.67
EDI SN 41 ES 3 21:13	15.48			CWF	SE	55				13:59	33.07
EDI SN 41	21:13	20.04	63 0.89	KBI	SZ	7	EP	2		13:59	19.78
EDI SE 41 EP 2 21:13	09.86			CWF	SN	55				13:59	35.09
EDI SE 41 ES 3 21:13	15.50			CWF	SE	55				13:59	25.30
EDI SE 41	21:13	17.99	58 0.70	HPK	SZ	82	EP	3		13:59	29.02
EAU SZ 36 IP 1 D 21:13	09.01			HPK	SN	82				13:59	44.37
EAU SZ 36 ES 3 21:13	13.89			HPK	SE	82	ES	3		13:59	39.08
EBL SZ 58 EP 2 21:13	12.51			HPK	SE	82				13:59	49.60
ESY SZ 74 EP 2 21:13	15.22			LHO	SZ	45	EP	3		13:59	23.79
ESY SZ 74 ES 3 21:13	24.19			LHO	SZ	45				13:59	30.00
EAB SZ 38 EP 3 21:13	09.44										
EAB SZ 38 ES 3 21:13	14.07			April 8 1992	Time: 15:49	39.0 UTC	Magnitude: 2.0 ML				
EBH SZ 20 IP 1 D 21:13	06.22			Lat: 52.928N	Lon: 4.361W		Depth: 15.7 km				
EBH SZ 20 ES 3 21:13	09.34			Grid Ref: 241.28 kmE 339.40 kmN			RMS: 0.08 secs				
EDU SZ 65 ES 2 21:13	22.40			Locality: PWLLHELI, GWYNEDD			Quality: B				
ELO SZ 39 EP 2 21:13	09.45			Comments: NE OF PWLLHELI							
ELO SZ 39 ES 2 21:13	14.78			STAT CO DIST PHAS WT P HrMn	SECS	AMPL	PERI				
April 1 1992	Time: 03:32	28.5 UTC	Magnitude: 1.1 ML	WCB	SN	52				15:49	55.58
Lat: 52.071N	Lon: 3.442W		Depth: 16.6 km	WCB	SE	52	ES	2		15:49	53.86
Grid Ref: 301.17 kmE 242.45 kmN			RMS: 0.08 secs	WCB	SE	52				15:49	54.22
Locality: BUILTH WELLS, POWYS			Quality: C	WME	SZ	52	IP			15:49	47.80
STAT CO DIST PHAS WT P HrMn	SECS	AMPL	PERI	WLF	SZ	40	IP	1	C	15:49	46.01
HTR SZ 12 EP 1 03:32	31.99			WLF	SZ	40	ES	2		15:49	50.98
HTR SZ 12 ES 2 03:32	34.32			YRC	SZ	39	IP	1	D	15:49	45.88
				YRC	SZ	39	ES	2		15:49	50.78
				WPM	SZ	48	IP			15:49	47.27
				WPM	SZ	48	ES	2		15:49	53.17
				YLL	SZ	27	IP			15:49	44.12
				YLL	SZ	27	ES	2		15:49	47.64
				YRE	SZ	7	IP		D	15:49	41.87
				YRH	SZ	21	IP		D	15:49	43.34
				WFB	SZ	35	EP	2		15:49	45.29
				WCB	SZ	52	EP	2		15:49	47.87

## PHASE DATA : 1992

TABLE 5 (cont'd)

HCG	SZ	83	EP	1	D	15:49	52.60			HPK	SE	93			10:31	36.92	15	0.47	
SBD	SZ	74	IP	1	D	15:49	51.20			LHO	SZ	56	EP	3	C	10:31	15.28		
SSP	SZ	102	EP	2		15:49	55.78			LHO	SZ	56	ES	2		10:31	22.93		
SSP	SE	102				15:50	11.14	39	0.15	KWE	SZ	34	EP	3		10:31	11.46		
SSP	SN	102				15:50	10.77	31	0.19	KWE	SZ	34	ES	3		10:31	16.35		
DLF	SE	151	ES	4		15:50	19.96			KBI	SZ	17	EP	2	C	10:31	07.91		
HPK	SZ	215	EP	3		15:50	09.76			KBI	SZ	17	ES	3		10:31	11.08		
HPK	SN	215				15:50	34.92	29	0.16	HPK	SN	93	ES	3		10:31	18.75	250	0.62
HPK	SE	215	ES	2		15:50	34.39			HPK	SN	93				10:31	32.71		
HPK	SE	215				15:50	34.57	33	0.20	HPK	SN	93				10:31	36.63	30	0.36
LHO	SZ	181	EP	2	D	15:50	07.17			HPK	SZ	93	EP	4		10:31	21.24		
<b>April 8 1992</b>		<b>Time: 16:00 47.5 UTC</b>				<b>Magnitude: 0.4 ML</b>				<b>April 10 1992</b>		<b>Time: 15:26 37.6 UTC</b>				<b>Magnitude: 2.6 ML</b>			
Lat: 52.935N		Lon: 4.371W				Depth: 15.6 km				Lat: 62.055N		Lon: 2.478E				Depth: 15.0 km			
Grid Ref: 240.67 kmE 340.12 kmN		RMS: 0.04 secs				Locality: PWLLHELI, GWYNEDD				Grid Ref: 633.96 kmE 1360.80 kmN		Quality: D				RMS: 0.30 secs			
Comments: NE OF PWLLHELI																			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YRH	SZ	21	IP		C	16:00	51.74			LRW	SN	291	ES	3		15:27	47.23	16	0.32
YRH	SZ	21	ES	2		16:00	54.66			LRW	SN	291				15:27	53.02		
WCB	SZ	51	EP	3		16:00	56.29			LRW	SE	291	ES	2		15:27	47.44	14	0.41
WCB	SN	51				16:01	04.19	3	0.32	LRW	SZ	291	EP	3		15:27	18.37		
WCB	SE	51				16:01	04.43	2	0.14	YEL	SZ	254	IP	1	D	15:27	12.98		
WME	SZ	52	EP	2		16:00	56.29			YEL	SZ	254	ES	3		15:27	38.94		
WLF	SZ	40	EP	2		16:00	54.39			ODD1	SZ	328	EP	1		15:27	22.55		
WLF	SZ	40	ES	2		16:00	59.19			ODD1	SZ	328	ES	3		15:27	55.71		
YRC	SZ	38	IP	1	D	16:00	54.24			SUE	SZ	165	EP	1		15:27	01.87		
WPM	SZ	48	EP	1		16:00	55.68			SUE	SZ	165	ES	3		15:27	19.19		
WPM	SZ	48	ES	2		16:01	01.44			ASK	SZ	228	EP	1		15:27	09.89		
YLL	SZ	27	IP	1		16:00	52.51			ASK	SZ	228	ES	3		15:27	34.95		
YLL	SZ	27	ES	2		16:00	55.98			FOO	SZ	145	EP	1		15:26	59.92		
YRE	SZ	6	IP		D	16:00	50.25			FOO	SZ	145	ES	3		15:27	15.79		
YRE	SZ	6	ES	2		16:00	52.19			FRO	SZ	131	EP	1		15:26	57.66		
										FRO	SZ	131	ES	3		15:27	12.45		
<b>April 9 1992</b>		<b>Time: 11:56 2.4 UTC</b>				<b>Magnitude: 1.2 ML</b>				<b>April 10 1992</b>		<b>Time: 18:00 13.6 UTC</b>				<b>Magnitude: 1.8 ML</b>			
Lat: 53.055N		Lon: 1.639W				Depth: 0.1 km				Lat: 58.860N		Lon: 0.064W				Depth: 15.0 km			
Grid Ref: 424.20 kmE 350.90 kmN		RMS: 0.24 secs				Locality: ASHBOURNE, DERBYSHIRE				Grid Ref: 511.66 kmE 998.49 kmN		Quality: D				RMS: 0.07 secs			
Comments: COLLAPSE TYPE																			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
LHO	SZ	57	EP	2		11:56	12.32			LRW	SN	156				18:01	08.01	24	1.08
LHO	SZ	57	ES	2		11:56	20.41			LRW	SE	156	ES	2		18:00	54.05		
LHO	SZ	57				11:56	21.08	17	0.37	LRW	SE	156				18:00	56.17	16	0.61
KWE	SZ	14	EP	2		11:56	05.59			LRW	SZ	156	EP	3		18:00	36.86		
KWE	SE	14	ES	3		11:56	08.34			SAN	SZ	145	EP	2		18:00	35.77		
KWE	SZ	14				11:56	11.16	113	0.49	SAN	SZ	145	ES	3		18:00	51.76		
KBI	SZ	24	EP	3		11:56	07.48												
KBI	SE	24	ES	3		11:56	11.23												
<b>April 9 1992</b>		<b>Time: 19:36 36.7 UTC</b>				<b>Magnitude: 1.6 ML</b>				<b>April 11 1992</b>		<b>Time: 06:45 38.2 UTC</b>				<b>Magnitude: 1.8 ML</b>			
Lat: 56.123N		Lon: 3.694W				Depth: 1.4 km				Lat: 51.643N		Lon: 3.101W				Depth: 15.4 km			
Grid Ref: 294.67 kmE 693.50 kmN		RMS: 0.14 secs				Locality: CLACKMANNAN, CENTRAL				Grid Ref: 323.85 kmE 194.44 kmN		Quality: B				RMS: 0.09 secs			
Comments: FELT CLACKMANNAN,C/F						Intensity: 3+				STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	HTL	SN	121				06:46	13.88	11	0.17
EDI	SN	39	ES	3		19:36	49.41			HTL	SE	121	ES	2		06:46	11.36		
EDI	SE	39				19:36	51.96	67	0.87	HTL	SE	121				06:46	13.09	10	0.27
EAU	SZ	34	EP	2		19:36	43.30			HPE	SZ	120	EP	2		06:45	57.69		
EAU	SZ	34	ES	3		19:36	47.76			HPE	SZ	120	ES	2		06:45	57.52		
EBL	SZ	56	EP	2		19:36	46.69			HEX	SZ	81	IP		C	06:45	11.30		
EBL	SZ	56	ES	3		19:36	53.77			HEX	SZ	81	ES	2		06:45	51.57		
EAB	SZ	41	EP	2		19:36	44.17			DYA	SZ	147	EP	2	D	06:46	00.92		
EAB	SZ	41	ES	3		19:36	49.52			DYA	SN	147	ES	2		06:46	01.42		
EBH	SZ	18	IP	1	D	19:36	40.34			DYA	SN	147				06:46	18.41		
EBH	SZ	18	ES	3		19:36	43.36			DYA	SE	147				06:46	19.26	19	0.27
EDU	SZ	63	EP	2		19:36	47.99			DCO	SZ	157	EP	3		06:46	18.99	23	0.33
ELO	SZ	39	IP	1	D	19:36	43.89			DCO	SZ	157	ES	3		06:46	02.81		
EDI	SZ	39				19:36	43.99			SSP	SN	86				06:46	20.63		
EDI	SN	39				19:36	57.44	45	0.83	SSP	SE	86	ES	2		06:46	03.77	18	0.23
MCD	SE	165				19:37	27.80	25	0.68	SSP	SE	86				06:45	50.85	124	0.17
MDO	SZ	152	ES	3		19:37	21.04			MCH	SE	40	ES	1		06:45	50.73		
KPL	SN	181	ES			19:37	26.64			MCH	SE	40				06:45	50.89	173	0.03
KPL	SZ	181				19:37	29.41			HAE	SZ	58	IP	1	C	06:45	45.34		
KPL	SE	181				19:37	29.37	16	0.63	HCG	SZ	85	EP	2		06:45	48.06		
KNR	SZ	111	ES	3		19:37	08.93			HGH	SZ	20	IP	2	C	06:45</			

**PHASE DATA : 1992**

TABLE 5 (cont'd)

PHASE DATA : 1992

TABLE 5 (cont'd)

CME	SN	7	ES	1	17:42	18.96		EDI	SZ	369			06:37	49.13	6	1.45	
CTR	SZ	6	IP	C	17:42	17.53		EDI	SN	369	ES	3	06:37	39.97			
CTR	SZ	6	ES	1	17:42	18.79		EDI	SN	369			06:37	49.52	13	1.10	
CRA	SZ	6	IP	C	17:42	17.52		ESK	SZ	385	EP	2	D	06:37	03.11		
								ESK	SE	385	ES	3		06:37	41.70		
April	18	1992			Time: 17:57 48.3 UTC		Magnitude: 0.0 ML	ESK	SE	385			06:37	44.96	6	1.15	
					Lat: 50.111N	Lon: 5.178W	Depth: 7.1 km	ESK	SN	385			06:37	47.18	6	1.09	
					Grid Ref: 172.81 kmE	28.34 kmN	RMS: 0.02 secs										
					Locality: CONSTANTINE, CORNWALL		Quality: B										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI								
CTR	SN	6	ES	2		17:57	51.20										
CME	SN	7	ES	2		17:57	51.36										
CRA	SN	6	ES	2		17:57	51.12										
CR2	SZ	6	EP	1	C	17:57	49.95										
CR2	SN	6	ES	2		17:57	51.19										
CR2	SN	6				17:57	51.26	11	0.06								
CR2	SE	6				17:57	51.25	16	0.05								
CCO	SZ	3	ES	2		17:57	50.65										
CST	SZ	9	ES	2		17:57	51.85										
CBW	SZ	6	ES	2		17:57	51.17										
CGH	SZ	7	ES	2		17:57	51.28										
April	19	1992			Time: 03:47 2.6 UTC		Magnitude: 0.3 ML										
					Lat: 50.111N	Lon: 5.180W	Depth: 7.2 km										
					Grid Ref: 172.65 kmE	28.29 kmN	RMS: 0.03 secs										
					Locality: CONSTANTINE, CORNWALL		Quality: B										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI								
CR2	SZ	6	IP	C	03:47	04.29											
CR2	SN	6	ES	1		03:47	05.55										
CR2	SN	6				03:47	05.60	23	0.02								
CR2	SE	6				03:47	05.63	30	0.04								
CGH	SZ	7	IP	1	C	03:47	04.28										
CGH	SZ	7	ES	2		03:47	05.63										
CCO	SZ	3	EP	1	D	03:47	03.98										
CCO	SZ	3	ES	1		03:47	05.02										
CCA	SZ	9	IP		D	03:47	04.62										
CCA	SZ	9	ES	1		03:47	06.09										
CST	SZ	10	IP		C	03:47	04.70										
CST	SZ	10	ES	1		03:47	06.20										
CBW	SZ	6	IP		C	03:47	04.27										
CBW	SZ	6	ES	1		03:47	05.48										
CME	SZ	7	EP	1	C	03:47	04.41										
CME	SN	7	ES	1		03:47	05.74										
CTR	SZ	6	IP		C	03:47	04.29										
CTR	SZ	6	ES	1		03:47	05.55										
CRA	SZ	6	EP	1		03:47	04.27										
CRA	SZ	6	ES	2		03:47	05.56										
April	19	1992			Time: 17:41 47.0 UTC		Magnitude: 0.4 ML										
					Lat: 50.111N	Lon: 5.178W	Depth: 7.2 km										
					Grid Ref: 172.78 kmE	28.29 kmN	RMS: 0.03 secs										
					Locality: CONSTANTINE, CORNWALL		Quality: B										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI								
CR2	SZ	6	IP	C	17:41	48.71											
CR2	SN	6	ES	1		17:41	49.96										
CR2	SN	6				17:41	50.01	29	0.02								
CR2	SE	6				17:41	50.04	45	0.04								
CGH	SZ	7	IP	1	C	17:41	48.69										
CGH	SZ	7	ES	2		17:41	50.03										
CCO	SZ	3	IP		D	17:41	48.39										
CCO	SZ	3	ES	1		17:41	49.46										
CCA	SZ	9	IP		D	17:41	49.03										
CCA	SZ	9	ES	1		17:41	50.52										
CST	SZ	9	IP		C	17:41	49.09										
CST	SZ	9	ES	2		17:41	50.58										
CBW	SZ	6	IP		C	17:41	48.69										
CBW	SZ	6	ES	1		17:41	49.90										
CME	SZ	7	IP		C	17:41	48.84										
CME	SN	7	ES	1		17:41	50.15										
CTR	SZ	6	IP	1	C	17:41	48.70										
CTR	SZ	6	ES	2		17:41	49.95										
April	20	1992			Time: 06:36 9.4 UTC		Magnitude: 2.2 ML										
					Lat: 56.219N	Lon: 2.723E	Depth: 5.0 km										
					Grid Ref: 692.72 kmE	713.00 kmN	RMS: 0.41 secs										
					Locality: CENTRAL NORTH SEA		Quality: D										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI								
ESY	SZ	334	EP	3		06:36	56.49										
EAB	SZ	438	EP	3		06:37	08.65										
EBH	SZ	387	EP	3		06:37	01.86										
BHH	SZ	394	EP	3		06:37	04.40										
BNA	SZ	424	EP	2		06:37	07.78										
BBO	SZ	412	EP	3		06:37	06.57										
BTA	SZ	371	EP	3		06:37	01.27										
BWH	SZ	418	EP	2		06:37	07.11										
BBH	SZ	376	EP	3		06:37	02.10										
BDL	SZ	391	EP	3		06:37	03.97										
XAL	SZ	347	EP	2		06:36	58.57										
XSO	SZ	322	EP	2		06:36	55.67										
HPK	SZ	375	EP	3		06:37	01.05										
EDI	SZ	369	EP	3		06:37	01.05										
April	21	1992			Time: 03:04 11.9 UTC		Magnitude: 1.0 ML										
					Lat: 51.668N	Lon: 3.092W	Depth: 13.6 km										
					Grid Ref: 324.45 kmE	197.18 kmN	RMS: 0.10 secs										
					Locality: NEWBRIDGE, GWENT		Quality: B										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI								
MCH	SE	37					03:04	23.75	29	0.07							
HAE	SZ	56	EP				03:04										
HCG	SZ	83	IP				03:04										
HGH	SZ	20	IP				03:04										
HGH	SZ	52	IP				03:04	25.72	31	0.07							
HGH	SZ	52	IP				03:04	31.37	31	0.07							
HLM	SZ	102	EP	3			03:04	43.51	44	0.07							
HTR	SZ	47	IP				03:04	34.86	44	0.07							
HTR	SZ	47	IP				03:04	33.92	44	0.07							
HSA	SZ	42	EP	1			03:04	39.28	44	0.07							
HSA	SZ	42	ES	2			03:04	38.99	44	0.07							
HEX	SZ	73	IP	1	C		03:04	38.99	44	0.07							
MCH	SN	51	ES	2			03:04	44.34	44	0.07							
MCH	SE	51	ES	2			03:04	41.77	44	0.07							
MCH	SZ	51	IP				03:04	43.65	44	0							

## PHASE DATA : 1992

TABLE 5 (cont'd)

<b>April 23 1992 Time: 13:10 44.8 UTC</b>												<b>April 27 1992 Time: 14:59 47.3 UTC</b>																										
Lat: 52.021N Lon: 5.379W												Lat: 53.099N Lon: 1.584W																										
Grid Ref: 168.21 kmE 241.34 kmN												Grid Ref: 427.85 kmE 355.91 kmN																										
Locality: ST GEORGE'S CHANNEL												Locality: CROMFORD, DERBYSHIRE																										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI									
YRH	SZ	104	EP	2		13:11	02.08			CWF	SZ	44	EP	2		14:59	54.99			CWF	SZ	44	EP	2		15:00	02.58											
DLF	SZ	162	EP	3		13:11	10.30			CWF	SN	44	ES	3						CWF	SN	44	EP	2		15:00	02.79	28	0.39									
DLF	SZ	162	ES	4		13:11	28.40			CWF	SE	44								CWF	SE	44	EP	2		15:00	02.58	25	0.30									
DCN	SZ	195	EP	4		13:11	16.20			KWE	SZ	20	EP	2						KWE	SZ	20	ES	3		14:59	51.21											
DCN	SZ	195	ES	4		13:11	38.70			KWE	SZ	20	ES	3						KBI	SZ	18	EP	3		14:59	54.77											
CCA	SZ	204	EP	2		13:11	16.00			KBI	SZ	18	ES	3						KBI	SZ	18	ES	3		14:59	51.25											
WFB	SZ	117	ES	3		13:11	18.32																					54.20										
MCH	SN	164				13:11	30.58	19	0.19																													
MCH	SE	164	ES	2		13:11	29.14																															
MCH	SE	164				13:11	30.90	23	0.19																													
MCH	SZ	164	EP	2		13:11	10.10																															
SBD	SZ	174	EP	1		13:11	12.22																															
SBD	SZ	174	ES	3		13:11	32.11																															
HAE	SZ	195	EP	3		13:11	15.11																															
HCG	SZ	122	EP	1		13:11	05.06																															
HCG	SZ	122	ES	2		13:11	19.02																															
GHH	SZ	183	EP	1		13:11	13.45																															
HTR	SZ	145	EP	2		13:11	08.24																															
HTR	SZ	145	ES	2		13:11	25.40																															
HLM	SZ	179	EP	3		13:11	12.62																															
HLM	SZ	179	ES	2		13:11	33.18																															
HTL	SN	130	ES	2		13:11	19.69																															
HTL	SN	130				13:11	20.06	26	0.35																													
HTL	SE	130				13:11	21.39	30	0.23																													
HSA	SZ	90	EP	3		13:10	59.60																															
HPE	SZ	43	EP	2		13:10	52.23																															
HPE	SZ	43	ES	2		13:10	57.60																															
HEX	SZ	153	ES	3		13:11	25.72																															
April 25 1992	Time: 20:10 58.1 UTC												Magnitude: 0.2 ML												April 28 1992	Time: 21:34 5.5 UTC												Magnitude: 1.4 ML
Lat: 52.963N	Lon: 4.364W												Depth: 22.7 km												Lat: 52.935N	Lon: 6.177W												Magnitude: 9.1 km
Grid Ref: 241.23 kmE	343.28 kmN												RMS: 0.16 secs												Grid Ref: 119.34 kmE	345.66 kmN												RMS: 0.27 secs
Locality: LLEYN PENINSULA												Comments: LLEYN AFTERSHOCK												Locality: WICKLOW, EIRE												Quality: C		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI									
YRH	SZ	23	EP	2		20:11	03.29			CWF	SZ	105	EP	2						CWF	SZ	105	ES	2														
YRH	SZ	23	ES	2		20:11	06.82			CWF	SZ	105	ES	2						CWF	SZ	105	IP	1														
WCB	SE	48	ES	3		20:11	12.85			CWF	SZ	47	IP							CWF	SZ	47	EP	2														
WCB	SN	48				20:11	13.40	1	0.09	CWF	SZ	118	EP	1					CWF	SZ	118	ES	2															
WCB	SE	48				20:11	13.07	3	0.22	CWF	SZ	87	EP	1	D				CWF	SZ	87	EP	1	D														
WLF	SZ	36	ES	2		20:11	09.72			CWF	SZ	75	EP	2					CWF	SZ	75	ES	2															
YRC	SZ	35	ES	2		20:11	09.32			CWF	SZ	75	ES	2					CWF	SZ	85	EP	3															
YLL	SZ	24	IP	1	C	20:11	03.61			CWF	SZ	85	EP	3					CWF	SZ	85	ES	3															
YLL	SZ	24	ES	2		20:11	06.72			CWF	SZ	126	EP	2					CWF	SZ	126	ES	2															
YRE	SZ	5	EP	2		20:11	01.95			CWF	SZ	113	EP	3					CWF	SZ	113	ES	2															
YRE	SZ	5	ES	2		20:11	04.61			CWF	SZ	118	EP	3					CWF	SZ	118	EP	3															
April 26 1992	Time: 05:16 15.2 UTC												Magnitude: 1.0 ML												April 30 1992	Time: 08:39 48.7 UTC												Magnitude: 0.7 ML
Lat: 53.055N	Lon: 3.721W												Depth: 8.1 km												Lat: 50.111N	Lon: 5.180W												Depth: 6.7 km
Grid Ref: 284.64 kmE	352.26 kmN												RMS: 0.27 secs												Grid Ref: 172.65 kmE	28.35 kmN												RMS: 0.02 secs
Comments: FELT CLACKMANNAN, CENTRAL												Locality: CONSTANTINE, CORNWALL												Locality: CLACKMANNAN, CENTRAL														

**PHASE DATA : 1992**

TABLE 5 (cont'd)

**PHASE DATA : 1992**

TABLE 5 (cont'd)

KPL	SE	27				17:18	40.41	23	0.33
KPL	SZ	27	IP	1	D	17:18	35.95		
KNR	SZ	51			C	17:18	39.86		
KNR	SZ	51	ES	2		17:18	45.83		
KS B	SZ	18	EP	2		17:18	34.81		
KS B	SZ	18	ES	2		17:18	37.34		
KAC	SZ	49	IP	1	D	17:18	39.60		
KAC	SZ	49	ES	3		17:18	45.42		

**May 8 1992** Time: 13:05 54.7 UTC Magnitude: 0.8 ML  
Lat: 56.097N Lon: 3.199W Depth: 0.1 km  
Grid Ref: 325.40 kmE 690.02 kmN RMS: 0.38 secs  
**Locality: KIRKCALDY, FIFE** Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBL	SZ	37	EP	3		13:06	01.66		
EBL	SZ	37	ES	3		13:06	07.93		
EBH	SZ	26	EP	2		13:06	00.12		
EBH	SZ	26	ES	3		13:06	04.30		
EDU	SZ	51	EP	2		13:06	03.79		
EDU	SZ	51	ES	3		13:06	11.54		
EDR	SZ	100	ES	3		13:06	25.14		
PCO	SZ	57	EP	2		13:06	05.05		
EDI	SZ	19	EP	4		13:05	58.26		
EDI	SN	19				13:06	10.30	188	0.83
EDI	SE	19				13:06	08.60	55	1.21

**May 9 1992 Time: 04:42 16.8 UTC Magnitude: 0.8 ML**  
**Lat: 54.771N Lon: 3.286W Depth: 9.9 km**  
**Grid Ref: 317.30 kmE 542.57 kmN RMS: 0.12 secs**  
**Locality: ASPATRIA, CUMBRIA Quality: B**

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
XDE	SZ	32	EP	3		04:42	22.92		
XDE	SZ	32	ES	4		04:42	26.50		
ESK	SN	61	ES	2		04:42	34.60		
ESK	SN	61				04:42	34.81	4	0.16
ESK	SE	61				04:42	34.66	4	0.26
BTA	SZ	42	IPG	1	C	04:42	24.23		
BTA	SE	42	ES	3		04:42	29.97		
BWH	SZ	51	EPG	3		04:42	25.87		
LMI	SN	61	ES	3		04:42	34.69		
BDL	SZ	23	IPG	1	C	04:42	21.22		
BHH	SZ	36	IPG	1		04:42	23.49		
BHH	SN	36	ES	2		04:42	27.96		
BHH	SN	36				04:42	28.24	8	0.17
BHH	SE	36				04:42	28.36	8	0.10
BNA	SZ	31	IPG	1	D	04:42	22.57		
BNA	SZ	31	ES	3		04:42	26.47		
BBO	SZ	5	IPG	1	D	04:42	18.87		
BBO	SN	5	ES	2		04:42	20.30		

**May 9 1992** Time: 11:08 52.2 UTC Magnitude: 1.7 ML  
Lat: 54.297N Lon: 0.606W Depth: 5.6 km  
Grid Ref: 490.73 kmE 489.98 kmN RMS: 0.15 secs  
Locality: DALBY FOREST, N YORKS Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HPK	SZ	77	EP	2	C	11:09	04.92		
HPK	SN	77	ES	2		11:09	14.60		
HPK	SN	77				11:09	16.54	28	0.21
HPK	SE	77				11:09	15.87	24	0.18
LHO	SZ	117	IP	1	C	11:09	11.39		
LRN	SZ	78	IP	1	C	11:09	05.36		
LRN	SZ	78	ES	3		11:09	14.56		
LCP	SZ	75	EP	3		11:09	04.69		
LCP	SZ	75	ES	3		11:09	14.25		
LWH	SZ	6	IP	1	C	11:08	53.93		
XAL	SZ	122	EP	3		11:09	11.59		
XAL	SZ	122	ES	3		11:09	26.03		
XSO	SZ	170	EP	3		11:09	19.24		
XSO	SZ	170	ES	3		11:09	38.72		

May 11 1992 Time: 04:24 35.2 UTC Magnitude: -0.1 ML  
Lat: 54.804N Lon: 2.915W Depth: 12.6 km  
Grid Ref: 341.16 kmE 545.85 kmN RMS: 0.01 secs  
Locality: GAITSGILL, CUMBRIA Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
BBO	SZ	23	IPG		C	04:24	39.75		
BBO	SZ	23	ES	3		04:24	43.05		
BBO	SZ	23				04:24	39.79	5	0.12
BTA	SZ	19	EPG	2	C	04:24	39.19		
BDL	SZ	2	IP		C	04:24	37.48		

**May 13 1992 Time: 08:55 52.5 UTC Magnitude: 1.5 ML**  
**Lat: 51.662N Lon: 3.103W Depth: 16.0 km**  
**Grid Ref: 323.68 kmE 196.52 kmN RMS: 0.04 secs**  
**Locality: NEWBRIDGE, GWENT Quality: C**

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HGH	SZ	21	IP	0	C	08:55	56.90		
MCH	SZ	38	EP	2		08:55	59.30		
MCH	SZ	38	ES	1		08:56	04.40		
MCH	SN	38				08:56	04.41	70	0.10
MCH	SE	38				08:56	04.54	36	0.10

HTR SZ 48 EP 1 08:56 00.91  
 HTR SZ 48 ES 3 08:56 06.88  
 HAE SZ 57 EP 2 08:56 02.22

**May 15 1992** Time: **15:20 0.7 UTC** Magnitude: **1.6 ML**  
 Lat: **50.586N** Lon: **3.575W** Depth: **2.8 km**  
 Grid Ref: **288.55 kmE 77.48 kmN** RMS: **0.29 secs**  
 Locality: **TEIGNMOUTH, DEVON** Quality: **C**  
 Comments: **NW OF TEIGNMOUTH**

Comments: NW OF TEIGNMOUTH									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HAE	SZ	177	EP	2		15:20	28.31		
HGH	SZ	129	EP	2	D	15:20	22.21		
HTR	SZ	168	EP		2	15:20	26.90		
HTL	SN	79				15:20	27.16	32	0.34
HTL	SE	79	ES	2		15:20	23.85		
HTL	SE	79				15:20	26.65	22	0.32
HTL	SZ	79	EP	2		15:20	14.17		
HEX	SZ	56	EP	2	C	15:20	10.46		
CR2	SN	123	ES	2		15:20	35.51		
CR2	SN	123				15:20	36.24	20	0.09
CR2	SE	123				15:20	37.89	22	0.24
CSA	SZ	97	ES	2		15:20	29.09		
CTR	SE	122	ES	2		15:20	35.72		
CME	SZ	124	EP	2		15:20	21.39		
CME	SN	124	ES	2		15:20	35.35		
CCO	SZ	126	EP	2		15:20	21.75		
DYA	SZ	30	IP	1	C	15:20	06.44		
DYA	SN	30	ES	1		15:20	09.92		
DYA	SN	30				15:20	10.10	41	0.11
DYA	SE	30		3		15:20	10.36	44	0.06
DCO	SZ	36	IP	1	C	15:20	07.42		

May 15 1992 Time: 17:13 24.4 UTC Magnitude: 2.0 ML  
Lat: 56.666N Lon: 5.548W Depth: 1.0 km  
Grid Ref: 182.64 kmE 758.30 kmN RMS: 0.13 secs  
Locality: KINGAIRLOCH, HIGHLAND Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
PGB	SE	116				17:14	00.34	38	0.94
PCA	SZ	134	EP	2		17:13	46.71		
PMS	SZ	104	EP	3		17:13	41.31		
PMS	SZ	104	ES			17:13	54.92		
PCO	SZ	117	EP	2		17:13	44.09		
PCO	SZ	117	ES			17:13	58.35		
PGB	SZ	116	EP	2		17:13	43.64		
PGB	SN	116	ES	3		17:13	57.43		
PGR	SN	116				17:13	59.97	43	0.56

May 15 1992 Time: 17:42 6.3 UTC Magnitude: 1.6 ML  
Lat: 53.297N Lon: 2.901W Depth: 7.6 km  
Grid Ref: 339.95 kmE 378.14 kmN RMS: 0.22 secs  
Locality: ELLESMORE PRT, CHESHIRE Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
WFB	SZ	102	EP	1	D	17:42	23.13		
WCB	SZ	110	EP	2		17:42	24.22		
WCB	SN	110				17:42	39.15	11	0.20
WCB	SE	110	ES	2		17:42	36.76		
WCB	SE	110				17:42	37.94	11	0.40
WME	SZ	94	IP		D	17:42	21.94		
WLF	SZ	100	EP	1	C	17:42	22.59		
YRC	SZ	112	IP		D	17:42	24.55		
YRC	SZ	112	ES	2		17:42	37.15		
WPM	SZ	67	IP		D	17:42	17.60		
WPM	SZ	67	ES	2		17:42	25.47		
YRE	SZ	108	EP	1	C	17:42	23.90		
YRH	SZ	127	EP	1		17:42	26.68		
YRH	SZ	127	ES	3		17:42	41.90		
LCK	SZ	118	EP	3		17:42	26.38		
WIM	SZ	151	ES	3		17:42	46.90		
HPK	SN	112	ES	3		17:42	37.78		
HPK	SN	112				17:42	38.70	23	0.15

MCH	SN	145		17:42	47.88	9	0.14	
MCH	SE	145		17:42	48.61	9	0.13	
LMI	SZ	106	EP	17:42	23.85			
LMI	SN	106	ES	3	17:42	36.26		
LMI	SN	106			17:42	37.19	5	0.11
LMI	SE	106	ES	3	17:42	35.42		
LMI	SE	106			17:42	37.31	7	0.12
LCK	SZ	118	EP	3	17:42	26.38		
LBO	SZ	79	EP	3	17:42	19.33		

May 17 1992 Time: 00:44 3.8 UTC Magnitude: 0.1 ML  
 Lat: 54.927N Lon: 3.281W Depth: 14.1 km  
 Grid Ref: 317.92 kmE 559.94 kmN RMS: 0.05 secs  
 Locality: ANTHORN, CUMBRIA Quality: B  
 STAT CO DIST PHAS WT P HrMn SECS AMPL PERI

## PHASE DATA : 1992

TABLE 5 (cont'd)

BDL	SZ	26	EPG	2	D	00:44	09.04		CWF	SN	65			02:13	14.69	21	0.28							
BDL	SZ	26	ESG	3		00:44	12.15		CWF	SE	65	ES	3	02:13	13.23									
BHH	SZ	19	IPG		C	00:44	08.03		CWF	SE	65			02:13	13.69	35	0.23							
BHH	SN	19				00:44	11.39	12 0.18	KSY	SZ	42	IP	1	C	02:13	01.79								
BHH	SE	19	ISG	2		00:44	10.95		KSY	SZ	42	ES	3		02:13	07.60								
BHH	SE	19				00:44	10.99	8 0.07	KWE	SZ	68	EP	3		02:13	05.26								
BNA	SZ	22	EPG	2	C	00:44	08.44		KWE	SZ	68	ES	3		02:13	14.50								
BBO	SZ	21	IPG		D	00:44	08.31		KBI	SZ	40	EP	2	D	02:13	00.64								
BBO	SN	21				00:44	11.75	7 0.20	KBI	SZ	40	ES	3		02:13	06.86								
BBO	SE	21	ISG	1		00:44	11.53		KUF	SZ	82	EP	3		02:13	07.85								
BBO	SE	21				00:44	11.96	7 0.22	HPK	SZ	89	EP	3		02:13	08.29								
BTA	SZ	38	EPG	3		00:44	10.89		HPK	SN	89	ES	3		02:13	19.91								
BTA	SN	38	ESG	2		00:44	15.89		HPK	SN	89				02:13	24.51	66	0.22						
BWH	SZ	37	EPG	2	C	00:44	10.71		HPK	SE	89				02:13	23.84	66	0.51						
BWH	SZ	37	ESG	3		00:44	14.93		LHO	SZ	69	EP	3		02:13	04.51								
BBH	SZ	32	IPG	1	C	00:44	09.83		LRN	SZ	139	EP	3		02:13	18.07								
BBH	SZ	32	ESG	3		00:44	14.15		LRN	SZ	139	ES	3		02:13	33.42								
ESK	SE	44	ES	3		00:44	16.81		LWH	SZ	119	EP	3		02:13	15.04								
									LWH	SZ	119	ES	3		02:13	29.23								
May	17	1992				Time: 03:04 53.9 UTC		Magnitude: -0.2 ML	LMK	SZ	45	EP	3	C	02:13	02.47								
						Lat: 57.228N	Lon: 5.458W	Depth: 1.9 km	LMK	SZ	45	ES	2		02:13	08.33								
						Grid Ref: 191.31 kmE	820.47 kmN	RMS: 0.13 secs	SSP	SZ	176	EP	3		02:13	23.32								
						Locality: GLEN SHIEL, HIGHLAND		Quality: C	SSP	SN	176				02:13	45.33	37	0.57						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL PERI	SSP	SE	176	ES	3		02:13	43.76								
KPL	SN	17	ES	3		03:04	59.86		SSP	SE	176				02:13	44.75	24	0.39						
KPL	SN	17				03:05	00.90	6 0.43	HAB	SZ	176	EP	3		02:13	23.08								
KPL	SE	17				03:05	00.18	6 0.20	HAB	SZ	176	ES	3		02:13	42.72								
KPL	SZ	17	EP	2		03:04	57.62		HCG	SZ	213	EP	3		02:13	28.02								
KSB	SZ	3	EP	2		03:04	54.81		HCG	SZ	213	ES	3		02:13	52.69								
KSB	SZ	3	ES	2		03:04	55.28		HLM	SZ	157	EP	4		02:13	22.00								
									HLM	SZ	157	ES	3		02:13	37.85								
May	18	1992				Time: 05:28 37.6 UTC		Magnitude: 3.4 ML	HTR	SZ	207	EP	3		02:13	27.25								
						Lat: 57.076N	Lon: 6.391E	Depth: 10.0 km	HTR	SZ	207	ES	2		02:13	51.15								
						Grid Ref: 907.91 kmE	829.60 kmN	RMS: 0.46 secs	SBD	SZ	162	EP	3		02:13	20.34								
						Locality: CENTRAL NORTH SEA		Quality: D	SBD	SZ	162	ES	3		02:13	40.31								
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL PERI	May	19	1992			Time: 19:06 24.1 UTC		Magnitude: 0.8 ML								
PGB	SN	686	ES	4		05:31	16.67		PGB	SN	46	ES	3		Lat: 56.006N	Lon: 5.120W	Depth: 4.1 km							
PGB	SN	686				05:31	21.99	11 0.72	PGB	SN	46				Grid Ref: 205.53 kmE	683.63 kmN	RMS: 0.05 secs							
PGB	SE	686				05:31	22.69	14 0.31	PGB	SE	46				Locality: DUNOON, STRATHCLYDE		Quality: C							
PCA	SZ	675	EP	3		05:30	07.05		PCA	SZ	64	EP	2		Comments: NW OF DUNOON									
PGB	SZ	686	EP	2		05:30	08.76		PGB	SZ	46	EP	2		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL PERI	
PMS	SZ	699	EP	2		05:30	10.74		PMS	SZ	30	IP		C	May	19	1992			Time: 19:06 24.1 UTC		Magnitude: 0.8 ML		
PCO	SZ	657	EP	3		05:30	04.32		PCO	SZ	64	IP	1	C	Lat: 53.215N	Lon: 1.163W	Depth: 2.6 km							
ESY	SZ	569	EPN	2	C	05:29	54.22		ESY	SZ	51	EP	2		Grid Ref: 455.86 kmE	369.07 kmN	RMS: 0.26 secs							
EAB	SZ	667	EPN	3		05:30	06.32		EAB	SZ	51	ES	3		Locality: SHIREBROOK, NOTTS		Quality: C							
EBH	SZ	614	EPN	3		05:29	59.84		EBH	SZ	88	ES	2											
EBH	SZ	614	ES	4		05:31	00.85		EBH	SZ	88													
EDU	SZ	578	EPN	3		05:29	55.43		EDU	SZ	59	EP	3											
EDU	SZ	578	ES	3		05:30	52.40		EDU	SZ	59	ES	2											
ELO	SZ	621	EPN	2	C	05:30	00.98		ELO	SZ	129	EP	3											
ELO	SZ	621	ES	3		05:31	01.00		ELO	SZ	129	ES	3											
EDI	SZ	604	EPN	3		05:29	58.81		EDI	SZ	88	EP	3											
EDI	SN	604	ES	3		05:30	56.30		EDI	SN	88	EP	3											
EDI	SN	604				05:31	07.61	11 0.58	EDI	SE	88													
EDI	SE	604				05:31	09.31	9 0.65	EDI	SE	88													
EAU	SZ	622	EPN	3		05:30	00.87		EAU	SZ	51	EP	2											
EBL	SZ	600	EPN	2		05:29	57.75		EBL	SZ	51	ES	3											
EBL	SZ	600	ES	3		05:30	55.98		EBL	SZ	51	ES	3											
ESK	SN	627				05:30	01.00	10 0.37	ESK	SN	88	EP	2											
ESK	SE	627				05:30	00.97	17 0.39	ESK	SE	88	EP	2											
ESK	SZ	627	EP	2	C	05:30	00.67		ESK	SZ	88	EP	2											
XAL	SZ	591	EP	3		05:29	56.17		XAL	SZ	59	EP	3											
XDE	SZ	683	EP	3		05:30	07.11		XDE	SZ	59	ES	2											
XSO	SZ	563	EP	2		05:29	53.34		XSO	SZ	129	EP	3											
ECK	SZ	629	EP	2		05:30	00.93		ECK	SZ	129	ES	3											
LRW	SN	557				05:30	49.41	13 0.73	LRW	SN	88	EP	3											
LRW	SE	557	ES	3		05:30	46.37		LRW	SE	88	EP	3											
LRW	SE	557				05:30	54.94	17 0.40	LRW	SE	88	EP	3											
HPK	SZ	614	EP	2	C	05:29	58.70		HPK	SZ	25	EP	2											
HPK	SZ	655	EP	3		05:30	03.17		HPK	SZ	25	ES	2											
LRN	SZ	593	EP	3	D	05:29	56.37		LRN	SZ	70	EP	1											
LCP	SZ	557	EP	3		05:29	51.82		LCP	SZ	70	ES	3											
LWH	SZ	539	EP	3		05:29	49.91		LWH	SZ	81	EP	1											
HPK	SN	614	ES	4		05:30	57.62		HPK	SN	81	ES	3											
HPK	SN	614				05:31	06.18	18 0.36	HPK	SE	54	EP	1											
May	19	1992				Time: 02:12 53.9 UTC		Magnitude: 2.0 ML	FOO	SZ	104	EP	1											
						Lat: 53.277N	Lon: 0.925W	Depth: 0.5 km	FOO	SZ	104	ES	3											
						Grid Ref: 471.70 kmE	376.17 kmN	RMS: 0.49 secs	FRO	SZ	104	ES	3											
						Locality: GAMSTON, NOTTS		Quality: C	FRO	SZ	104	EP	1											
						Comments: C/F			KMY	SZ	217	EP	1											
STAT	CO	DIST																						

**PHASE DATA : 1992**

TABLE 5 (cont'd)

PHASE DATA : 1992

**TABLE 5 (cont'd)**

CME	SZ	268	EP	2	05:09	53.38		CR2	SN	6	ES	1	14:49	44.88									
CME	SN	268	ES	2	05:10	21.16		CR2	SN	6			14:49	44.95									
CRA	SZ	268	EP	2	05:09	53.34		CR2	SE	6			14:49	44.93									
June	12	1992	Time: 04:05 21.0 UTC			Magnitude: 1.0 ML		CGH	SZ	7	IP	1	C	14:49	43.61								
Lat:	56.129N	Lon:	3.680W			Depth: 0.2 km		CCO	SZ	3	IP	1	D	14:49	43.32								
Grid Ref:	295.58 kmE	694.20 kmN				RMS: 0.02 secs		CCA	SZ	9	IP	1	D	14:49	43.96								
Locality:	CLACKMANNAN, CENTRAL					Quality: B		CST	SZ	10	IP	1	C	14:49	44.04								
Comments:	C/F							CST	SZ	10	ES	2		14:49	45.57								
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI					CBW	SZ	6	IP	1	C	14:49	43.60		
EDI	SN	38				04:05	41.16	19	0.85					CBW	SZ	6	ES	2		14:49	44.81		
EDI	SE	38				04:05	38.89	42	0.80					CMB	SZ	8	IP	1	C	14:49	43.74		
EAU	SZ	35	EP	2		04:05	27.76							CME	SN	8	ES	2		14:49	45.08		
EAU	SZ	35	ES	3		04:05	32.74							CTR	SZ	7	IP	1	C	14:49	43.63		
EAB	SZ	42	EP	2		04:05	28.95							CRA	SZ	6	IP	1	C	14:49	43.61		
EBH	SZ	17	EP	2		04:05	24.81																
EBH	SZ	17	ES	3		04:05	28.25																
ELO	SZ	38	EP	2		04:05	28.35																
ELO	SZ	38	ES	3		04:05	33.71																
EDI	SZ	38	EP	2		04:05	28.43																
June	13	1992	Time: 00:20 14.4 UTC			Magnitude: 0.4 ML		June	16	1992	Time: 03:26 21.1 UTC			Magnitude: 2.1 ML									
Lat:	54.089N	Lon:	1.490W			Depth: 0.8 km		Lat:	55.679N	Lon:	6.153W			Depth: 3.7 km									
Grid Ref:	433.38 kmE	466.04 kmN				RMS: 0.03 secs		Grid Ref:	138.98 kmE	650.69 kmN			RMS: 0.33 secs										
Locality:	RIPON, N YORKSHIRE					Quality: C		Locality:	ISLAY, STRATHCLYDE				Quality: D										
Comments:	C/F							STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI					KNR	SZ	147	ES	3		03:27	03.37		
HPK	SN	17	ES	2		00:20	20.84							BHH	SE	197	ES	3		03:27	15.98		
HPK	SN	17				00:20	23.70	27	0.19					BHH	SZ	197	EP	2		03:26	51.53		
HPK	SE	17				00:20	24.15	18	0.27					BNA	SZ	179	EP	2		03:27	15.98		
LRN	SZ	41	EP	2		00:20	22.20							BNA	SZ	179	ES	3		03:27	49.45		
LWH	SZ	60	ES	3		00:20	33.16							BBO	SZ	213	EP	3		03:26	10.70		
HPK	SZ	17	EP	3		00:20	18.22							BBO	SN	213	EP	3		03:27	53.94		
June	13	1992	Time: 13:59 20.2 UTC			Magnitude: 0.4 ML		BBQ	SE	213	ES	3			PGB	SZ	106	EP	2		03:27	25.09	
Lat:	50.114N	Lon:	5.176W			Depth: 7.0 km		PGB	SE	106	EP	2			PGB	SE	106	ES	3		03:27	39.98	
Grid Ref:	172.94 kmE	28.63 kmN				RMS: 0.01 secs		PGB	SE	106	ES	3			PGB	SE	106	EP	2		03:26	51.77	
Locality:	CONSTANTINE, CORNWALL					Quality: C		PMS	SZ	90	EP	2			PMS	SZ	90	ES	3		03:26	36.30	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI					PMS	SZ	90	EP	2		03:26	47.72		
CR2	SZ	6	IP	1	C	13:59	21.78							PCO	SZ	133	EP	2		03:26	43.02		
CR2	SN	6	ES	1		13:59	23.02							PCO	SZ	133	ES	3		03:26	58.47		
CR2	SN	6				13:59	23.10	27	0.02					ESK	SN	191	ES	3		03:27	12.26		
CR2	SE	6				13:59	23.12	39	0.06					ESK	SN	191				03:27	15.46		
CCO	SZ	3	ES	2		13:59	22.49							ESK	SE	191				03:27	16.89		
CST	SZ	9	ES	1		13:59	23.70							ECK	SZ	200	EP	3		03:26	51.30		
CBW	SZ	6	IP		C	13:59	21.76							ECK	SZ	200	ES	3		03:26	52.89		
CBW	SZ	6	ES	2		13:59	22.99							GAL	SN	129	ES	3		03:26	15.04		
June	15	1992	Time: 07:49 13.0 UTC			Magnitude: 0.4 ML		GAL	SN	129					GAL	SN	129				03:27	58.16	
Lat:	50.111N	Lon:	5.177W			Depth: 7.3 km		GAL	SE	129					GAL	SE	129				03:27	00.56	
Grid Ref:	172.90 kmE	28.32 kmN				RMS: 0.02 secs		GAL	SZ	129	EP	1			GAL	SE	129				03:27	01.03	
Locality:	CONSTANTINE, CORNWALL					Quality: B		GCL	SZ	67	EP	2			GCL	SZ	67	EP	2		03:26	42.64	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI					GMK	SZ	51	IP	1		C	03:26	32.70	
CR2	SN	6	ES	2		07:49	15.93							KPL	SZ	187	EP	4			03:26	29.76	
CR2	SN	6				07:49	15.99	28	0.02					KSB	SZ	176	EP	3			03:26	48.21	
CR2	SE	6				07:49	16.00	47	0.05					EBL	SZ	196	EP	3			03:26	47.53	
CCO	SZ	3	IP	1	D	07:49	14.37							EST	SZ	224	EP	3			03:26	51.86	
CCO	SZ	3	ES	2		07:49	15.43							EAB	SZ	127	EP	1		C	03:26	53.64	
CST	SZ	9	IP	1	C	07:49	15.08							EAB	SZ	127	ES	3			03:26	41.64	
CST	SZ	9	ES	1		07:49	16.60							ELO	SZ	176	EP	2			03:26	56.57	
CBW	SZ	6	IP	1	C	07:49	14.66							ELO	SZ	176	ES	3			03:26	48.61	
CME	SZ	7	EP	2	C	07:49	14.80							EAU	SZ	170	EP	3			03:27	09.46	
CME	SN	7	ES	2		07:49	16.12							EAU	SZ	170	ES	4			03:26	48.49	
CRA	SZ	6	EP	2	C	07:49	14.67							EBC	SZ	177	EP	3			03:26	07.17	
CCA	SZ	9	IP	1	D	07:49	15.00							PCA	SZ	119	EP	2			03:26	48.36	
CGH	SZ	7	EP	1	C	07:49	14.68							PCA	SZ	119	ES	3			03:26	40.68	
CGH	SZ	7	ES	2		07:49	16.03														03:26	54.71	
June	15	1992	Time: 07:49 42.0 UTC			Magnitude: 0.4 ML		June	16	1992	Time: 07:44 3.1 UTC			Magnitude: 1.4 ML									
Lat:	50.110N	Lon:	5.179W			Depth: 7.0 km		Lat:	52.892N	Lon:	3.473W			Depth: 5.0 km									
Grid Ref:	172.74 kmE	28.18 kmN				RMS: 0.02 secs		Grid Ref:	300.89 kmE	333.82 kmN				RMS: 0.32 secs									
Locality:	CONSTANTINE, CORNWALL					Quality: B		Locality:	LLANDRILLO, CLWYD					Quality: C									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI					STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CR2	SZ	6	IP	1	D	07:49	43.72							WPM	SZ	50	EP	2		07:44	11.81		
CR2	SN	6	ES	1		07:49	44.95							WPM	SZ	50	ES	3		07:44	17.67		
CR2	SN	6				07:49	44.98	21	0.07					WLF	SZ	76	ES	2		07:44	24.89		
CR2	SE	6				07:49	45.03	53	0.06					YLL	SZ	54	EP	2		07:44	13.04		
CGH	SZ	7	IP	1	C	07:49	43.71							YLL	SZ	54	ES	2		07:44	18.99		
CGO	SZ	3	IP	1	D	07:49	43.40							WCB	SN	90				07:44	29.68		
CCA	SZ	9	IP	1	C	07:49	44.04							WCB	SE	90	ES	3		07:44	28.67		
CST	SZ	10	EP	2		07:49	44.10							WCB	SE	90				07:44	29.23		
CBW	SZ	6	IP	1	C	07:49	43.68							YRC	SZ	84	ES	2		07:44	5		
CME	SZ	8	IP	1	D	07:49	43.84							MCH	SN	105	ES	2		07:44	42.22		
CME	SN	8	ES	2		07:49	45.16							MCH	SN	105				07:44	33.08		
June	15	1992	Time: 14:49 42.0 UTC			Magnitude: 0.8 ML		C							MCH	SE	105				07:44	32.97	
Lat:	50.109N	Lon:	5.177W			Depth: 7.0 km									SBD	SZ	15	IP			07:44	06.08	
Grid Ref:	172.87 kmE	28.14 kmN				RMS: 0.02 secs									SBD	SZ	15	ES	2		07:44	07.39	
Locality:	CONSTANTINE, CORNWALL					Quality: B									HCG	SZ	65	EP	2		07:44	14.42	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI					HCG	SZ	65	ES	3		07:44	21.89		
CR2	SZ	6	IP	1	C	14:49	43.62							HTR	SZ	92	ES	2		07:44	29.59		
														HLM	SZ	58	EP	1		07:44	13.09		

**PHASE DATA : 1992**

**TABLE 5 (cont'd)**

June 17 1992	Time: 04:30 39.7 UTC	Magnitude: 1.0 ML Depth: 6.9 km RMS: 0.23 secs Locality: WHITWELL, DERBYSHIRE Comments: C/F	CR2 SN 6	02:14	13.63	11	0.02
Lat: 53.298N	Lon: 1.245W	SECS AMPL PERI	CR2 SE 6	02:14	13.64	18	0.04
Grid Ref: 450.32 kmE 378.23 kmN		CGH SZ 7	02:14	12.33			
Locality: WHITWELL, DERBYSHIRE		CCO SZ 3	02:14	12.01			
Comments: C/F		CCA SZ 9	02:14	12.64			
STAT CO DIST PHAS WT P HrMn		CST SZ 10	02:14	12.71			
HPK SE 77 ES 2 04:31	01.88	CBW SZ 6	02:14	12.29			
LHO SZ 49 EP 2 04:30	47.39	CME SN 7	02:14	13.76			
LHO SZ 49 ES 2 04:30	54.66	CTR SZ 6	02:14	12.31			
CWF SN 63 ES 2 04:30	58.90	4 0.21	CRA SZ 6	02:14	12.31		
CWF SE 63 ES 2 04:30	57.72						
CWF SE 63 ES 2 04:30	58.83	7 0.23					
KWE SZ 51 ES 3 04:30	54.84						
KBI SZ 20 EP 1 C 04:30	43.62						
KSY SZ 58 ES 3 04:30	56.87						
June 19 1992	Time: 00:10 13.1 UTC	Magnitude: -0.3 ML Depth: 7.1 km RMS: 0.01 secs Locality: CONSTANTINE, CORNWALL	June 22 1992	Time: 22:09 32.5 UTC	Magnitude: 1.0 ML Depth: 5.2 km RMS: 0.17 secs Locality: ORTON, CUMBRIA		
Lat: 50.111N	Lon: 5.180W	SECS AMPL PERI	STAT CO DIST PHAS WT P HrMn		Quality: C		
Grid Ref: 172.70 kmE 28.37 kmN		SECS AMPL PERI	BHH SZ 77	22:09	44.87		
Locality: CONSTANTINE, CORNWALL		SECS AMPL PERI	BNA SZ 84	22:09	46.80		
STAT CO DIST PHAS WT P HrMn		SECS AMPL PERI	BNA SZ 84	22:09	57.47		
CR2 SZ 6 IP 1 C 00:10	14.73	SECS AMPL PERI	BBO SN 50	22:09	47.58	6	0.16
CR2 SN 6 ES 1 00:10	15.98	SECS AMPL PERI	BBO SE 50	22:09	47.29		
CR2 SN 6 ES 1 00:10	16.03	5 0.03	BBO SE 50	22:09	47.75	6	0.09
CR2 SE 6 ES 1 00:10	16.05	11 0.06	BTA SZ 45	22:09	40.56		
CGH SZ 7 ES 2 00:10	16.09		BTA SN 45	22:09	45.90		
CCO SZ 3 IP 1 D 00:10	14.42		BTA SN 45	22:09	46.57	9	0.08
CCA SZ 9 IP 1 D 00:10	15.05		BTA SE 45	22:09	46.18	11	0.18
CST SZ 9 IP 1 C 00:10	15.13		BDL SZ 40	22:09	39.70		
CBW SZ 6 IP 1 C 00:10	14.71		BDL SZ 40	22:09	44.19		
CBW SZ 6 ES 2 00:10	15.94		BBO SZ 50	22:09	41.19		
CTR SZ 6 IP 1 C 00:10	14.73		LMI SZ 56	22:09	42.43		
June 19 1992	Time: 00:11 22.5 UTC	Magnitude: -0.2 ML Depth: 7.1 km RMS: 0.02 secs Locality: CONSTANTINE, CORNWALL	LCK SZ 25	22:09	37.13		
Lat: 50.111N	Lon: 5.177W	SECS AMPL PERI	LKL SZ 32	22:09	38.08		
Grid Ref: 172.88 kmE 28.34 kmN		SECS AMPL PERI	LKL SZ 32	22:09	42.23		
Locality: CONSTANTINE, CORNWALL		SECS AMPL PERI	LMI SN 56	22:09	49.55		
STAT CO DIST PHAS WT P HrMn		SECS AMPL PERI	LMI SN 56	22:09	56.81	15	0.88
CR2 SZ 6 IP 1 C 00:11	24.13	SECS AMPL PERI	LMI SE 56	22:09	54.74	8	0.75
CR2 SN 6 ES 1 00:11	25.37	SECS AMPL PERI	ESK SN 99	22:10	00.65		
CR2 SN 6 ES 1 00:11	25.43	6 0.04	ESK SN 99	22:10	02.44	4	0.11
CR2 SE 6 ES 1 00:11	25.45	12 0.05	ESK SE 99	22:09	57.97	5	0.35
CGH SZ 7 ES 2 00:11	25.48		ESK SZ 99	22:09	49.09		
CCO SZ 3 IP 1 D 00:11	23.83		XAL SZ 47	22:09	40.21		
CCA SZ 9 EP 2 00:11	24.46		LRN SZ 53	22:09	41.81		
CST SZ 9 EP 2 00:11	24.50		BBH SZ 74	22:09	45.71		
CBW SZ 6 IP 1 C 00:11	24.11		BBH SE 77	22:09	54.96		
CTR SZ 6 IP 1 C 00:11	24.12						
CRA SZ 6 IP 1 C 00:11	24.13						
June 19 1992	Time: 00:20 1.1 UTC	Magnitude: -0.1 ML Depth: 6.9 km RMS: 0.01 secs Locality: CONSTANTINE, CORNWALL	June 23 1992	Time: 00:21 53.3 UTC	Magnitude: -0.3 ML Depth: 7.2 km RMS: 0.02 secs Locality: CONSTANTINE, CORNWALL		
Lat: 50.111N	Lon: 5.179W	SECS AMPL PERI	STAT CO DIST PHAS WT P HrMn		Quality: B		
Grid Ref: 172.71 kmE 28.36 kmN		SECS AMPL PERI	CR2 SZ 6 IP 1 C 00:21	55.01			
Locality: CONSTANTINE, CORNWALL		SECS AMPL PERI	CR2 SN 6 ES 1 00:21	56.24			
STAT CO DIST PHAS WT P HrMn		SECS AMPL PERI	CR2 SN 6 00:21	56.29	8	0.04	
CR2 SZ 6 IP 1 C 00:20	02.74	SECS AMPL PERI	CR2 SE 6 00:21	56.33	6	0.06	
CR2 SN 6 ES 1 00:20	03.98	SECS AMPL PERI	CGH SZ 7 EP 2	00:21	55.00		
CR2 SN 6 ES 1 00:20	04.06	7 0.01	CCO SZ 3 ES 2	00:21	55.75		
CR2 SE 6 ES 1 00:20	04.06	15 0.04	CCA SZ 9 EP 2	00:21	55.34		
CGH SZ 7 ES 2 00:20	04.09		CST SZ 10 IP 1 C 00:21	55.42			
CCO SZ 3 IP 1 D 00:20	02.44		CBW SZ 6 ES 2 00:21	56.25			
CCA SZ 9 IP 1 D 00:20	03.07		CME SZ 8 EP 2 C 00:21	55.13			
CST SZ 9 IP 1 C 00:20	03.15		CTR SZ 7 EP 2 C 00:21	55.00			
CBW SZ 6 IP 1 C 00:20	02.71		CRA SZ 6 EP 1 00:21	54.99			
CME SN 7 ES 1 00:20	04.17						
CTR SZ 6 IP 1 C 00:20	02.74						
June 20 1992	Time: 02:11 43.0 UTC	Magnitude: -0.1 ML Depth: 6.9 km RMS: 0.02 secs Locality: CONSTANTINE, CORNWALL	June 23 1992	Time: 11:47 14.8 UTC	Magnitude: 0.8 ML Depth: 6.9 km RMS: 0.02 secs Locality: CONSTANTINE, CORNWALL		
Lat: 50.111N	Lon: 5.181W	SECS AMPL PERI	STAT CO DIST PHAS WT P HrMn		Quality: B		
Grid Ref: 172.58 kmE 28.39 kmN		SECS AMPL PERI	CR2 SZ 7 EP 1 11:47	16.51			
Locality: CONSTANTINE, CORNWALL		SECS AMPL PERI	CR2 SN 7 ES 1 11:47	17.75			
STAT CO DIST PHAS WT P HrMn		SECS AMPL PERI	CR2 SN 7 11:47	17.83	47	0.01	
CR2 SZ 6 IP 1 C 02:11	44.66	SECS AMPL PERI	CR2 SE 7 11:47	17.83	123	0.08	
CR2 SN 6 ES 1 02:11	45.89	SECS AMPL PERI	CGH SZ 7 IP C	11:47	16.49		
CR2 SN 6 ES 1 02:11	45.97	8 0.02	CCO SZ 3 EP 1	11:47	16.19		
CR2 SE 6 ES 1 02:11	45.98	16 0.05	CCA SZ 9 IP D	11:47	16.84		
CCO SZ 3 EP 1 02:11	44.36		CST SZ 10 EP 1	11:47	16.92		
CCA SZ 9 IP 1 D 02:11	44.98		CBW SZ 7 IP 1 C	11:47	16.49		
CST SZ 9 IP 1 C 02:11	45.07		CME SN 8 ES 1	11:47	17.96		
CBW SZ 6 IP 1 C 02:11	44.65		CTR SZ 7 EP 2	11:47	16.51		
CME SN 7 ES 1 02:11	46.11		CRA SZ 6 IP 1 C	11:47	16.50		
CRA SZ 6 EP 1 02:11	44.66						
CGH SZ 7 ES 2 02:11	46.02						
June 20 1992	Time: 02:14 10.6 UTC	Magnitude: 0.0 ML Depth: 7.0 km RMS: 0.02 secs Locality: CONSTANTINE, CORNWALL	June 23 1992	Time: 13:52 1.0 UTC	Magnitude: 0.9 ML Depth: 15.9 km RMS: 0.25 secs Locality: NELSON, GWENT		
Lat: 50.110N	Lon: 5.179W	SECS AMPL PERI	STAT CO DIST PHAS WT P HrMn		Quality: D		
Grid Ref: 172.74 kmE 28.27 kmN		SECS AMPL PERI	MCH SN 42 ES 2 13:52	14.18			
Locality: CONSTANTINE, CORNWALL		SECS AMPL PERI	MCH SN 42 13:52	14.63	11	0.27	
STAT CO DIST PHAS WT P HrMn		SECS AMPL PERI	MCH SE 42 13:52	15.06	10	0.37	
CR2 SZ 6 IP 1 C 02:14	12.31	SECS AMPL PERI	MCH SZ 42 13:52	09.39			
CR2 SN 6 ES 1 02:14	13.54	SECS AMPL PERI	HCG SZ 80 EP 3 13:52	13.78			

PHASE DATA : 1992

TABLE 5 (cont'd)

HGH	SZ	31	EP	2	13:52	06.80		BBO	SZ	18	ES	3	02:40	05.99			
HGH	SZ	31	ES	1	13:52	11.10		BBO	SZ	18			02:40	06.26	3 0.09		
HTR	SZ	48	EP	2	13:52	09.24											
June	23	1992	Time:	21:53	18.9	UTC	Magnitude: 1.2 ML	June	28	1992	Time:	12:23	31.4	UTC	Magnitude: 3.2 ML		
Lst:	52.912N		Lat:	1.845W			Depth: 5.0 km	Lat:	62.000N		Lon:	4.853E			Depth: 15.0 km		
Grid Ref:	410.41 kmE	335.00 kmN	RMS: 0.29 secs	Grid Ref:	758.40 kmE	1365.61 kmN	Locality: NORWEIGIAN COAST	RMS: 0.68 secs							Quality: D		
Locality: UTTOXETER, STAFFS			Quality: C	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI				
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI		FOO	SZ	46	EP	1	12:23	39.43
CWF	SN	41	ES	3		21:53	31.56				FOO	SZ	46	ES	3	12:23	43.87
CWF	SN	41				21:53	31.85	21	0.36		FRO	SZ	27	EP	1	12:23	37.48
KWE	SZ	12	EP	3		21:53	21.02				FRO	SZ	27	ES	3	12:23	40.51
KBI	SZ	44	EP	2		21:53	26.99				SUE	SZ	105	EP	1	12:23	47.91
											SUE	SZ	105	ES	3	12:23	59.28
June	24	1992	Time:	19:47	43.0	UTC	Magnitude: 1.2 ML	June	28	1992	Time:	12:23	31.4	UTC	Magnitude: 3.2 ML		
Lat:	56.124N		Lon:	3.686W			Depth: 0.5 km	Lat:	62.000N		Lon:	4.853E			Depth: 15.0 km		
Grid Ref:	295.18 kmE	693.64 kmN	RMS: 0.10 secs	Grid Ref:	758.40 kmE	1365.61 kmN	Locality: NORWEIGIAN COAST	RMS: 0.68 secs							Quality: D		
Locality: CLACKMANNAN, CENTRAL			Quality: B	Comments: C/F	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI		FOO	SZ	46	EP	1	12:23	39.43
EDI	SN	38	ES			19:47	54.93				FOO	SZ	46	ES	3	12:23	43.87
EDI	SN	38				19:48	00.25	27	0.66		FRO	SZ	27	EP	1	12:23	37.48
EDI	SE	38	ES	2		19:47	56.02				FRO	SZ	27	ES	3	12:23	40.51
EDI	SE	38				19:47	58.09	45	0.86		SUE	SZ	105	EP	1	12:23	47.91
EAU	SZ	34	EP	2		19:47	49.42				SUE	SZ	105	ES	3	12:23	59.28
EAU	SZ	34	ES	3		19:47	53.88				BER	SZ	182	EP	1	12:23	58.21
EBL	SZ	56	EP	2		19:47	52.82				BER	SZ	182	ES	3	12:24	19.81
EAB	SZ	41	EP	2		19:47	50.39				HYA	SZ	117	EP	1	12:23	49.69
EAB	SZ	41	ES	3		19:47	55.75				HYA	SZ	117	ES	3	12:24	02.36
EBH	SZ	18	IP	1	D	19:47	46.49				ASK	SZ	170	EP	1	12:23	56.85
EBH	SZ	18	ES	2		19:47	49.14				ASK	SZ	170	ES	3	12:24	14.82
ELO	SZ	39	IP	1	D	19:47	49.98				ODD1	SZ	252	EP	1	12:24	07.08
ELO	SZ	39	ES	3		19:47	55.36				ODD1	SZ	252	ES	3	12:24	33.38
EDI	SZ	38	EP	2	D	19:47	50.15				KMY	SZ	312	EP	1	12:24	14.17
											KMY	SZ	312	ES	3	12:24	44.26
June	24	1992	Time:	21:34	5.4	UTC	Magnitude: 1.0 ML	June	29	1992	Time:	03:05	11.8	UTC	Magnitude: 3.2 ML		
Lat:	56.125N		Lon:	3.756W			Depth: 1.8 km	Lat:	49.843N		Lon:	8.025W			Depth: 1.7 km		
Grid Ref:	290.88 kmE	693.87 kmN	RMS: 0.06 secs	Grid Ref:	-33.01 kmE	11.18 kmN	Locality: SCILLY ISLES, CORNWALL	RMS: 0.07 secs							Quality: D		
Locality: CLACKMANNAN, CENTRAL			Quality: C	Comments: C/F	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI		CR2	SZ	208	EP	2	03:05	43.91
EDI	SZ	42	EP	2		21:34	13.16				CR2	SN	208	ES	2	03:06	07.24
EDI	SN	42	ES	3		21:34	18.62				CR2	SE	208			03:06	13.84
EDI	SN	42				21:34	19.75	12	0.69		CGH	SZ	207	EP	3	03:05	43.72
EDI	SE	42	ES	3		21:34	18.89				CCA	SZ	204	EP	2	03:05	43.51
EDI	SE	42				21:34	20.89	30	0.86		CBW	SZ	211	EP	2	03:05	44.13
EAU	SZ	37	EP	2		21:34	12.17				CPZ	SZ	179	EP	2	03:05	40.12
EAU	SZ	37	ES	2		21:34	17.05				CME	SZ	207	EP	2	03:05	43.61
EBH	SZ	21	EP	2	D	21:34	09.37				CRA	SZ	206	EP	2	03:05	43.53
EBH	SZ	21	ES	3		21:34	12.45				CST	SZ	209	EP	2	03:05	44.00
June	27	1992	Time:	13:11	28.7	UTC	Magnitude: 1.4 ML	July	1	1992	Time:	12:38	59.2	UTC	Magnitude: 0.8 ML		
Lat:	50.159N		Lon:	6.194W			Depth: 8.7 km	Lat:	50.110N		Lon:	5.180W			Depth: 7.0 km		
Grid Ref:	100.47 kmE	37.27 kmN	RMS: 0.03 secs	Grid Ref:	172.68 kmE	28.24 kmN	Locality: CONSTANTINE, CORNWALL	RMS: 0.02 secs							Quality: B		
Locality: SCILLY ISLES, CORNWALL			Quality: C	Comments: NE OF SCILLY ISLES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI		CTR	SN	6	ES	1	12:39	02.09
CR2	SZ	73	IP	C		13:11	41.35				CME	SZ	7	IP	1	12:39	01.01
CR2	SN	73	ES	1		13:11	51.04				CR2	SZ	6	IP	C	12:39	00.88
CR2	SN	73				13:11	54.85	15	0.02		CR2	SN	6	ES	1	12:39	02.09
CR2	SE	73				13:11	52.20	13	0.04		CR2	SN	6			12:39	02.16
CGH	SZ	75	EP	1	C	13:11	41.55				CR2	SE	6			12:39	02.18
CCO	SZ	72	IP	1	C	13:11	41.00				CCO	SZ	3	EP	1	12:39	00.56
CCA	SZ	69	IP	1	C	13:11	40.69				CCA	SZ	9	EP	1	12:39	01.18
CST	SZ	74	EP	1	C	13:11	41.50				CST	SZ	10	IP	1	12:39	01.28
CBW	SZ	77	IP	1	C	13:11	41.95				CBW	SZ	6	IP	C	12:39	00.85
CPZ	SZ	44	EP	1		13:11	36.42				CRA	SZ	6	IP	1	12:39	00.84
CME	SZ	72	IP	C		13:11	41.12				CGH	SZ	7	IP	C	12:39	00.87
CME	SN	72	ES	2		13:11	50.77				CGH	SZ	7	ES	2	12:39	02.19
CTR	SZ	74	IP	1	C	13:11	41.42										
CRA	SZ	72	EP	1	C	13:11	41.07										
June	27	1992	Time:	23:06	50.8	UTC	Magnitude: -0.2 ML	July	2	1992	Time:	06:13	31.9	UTC	Magnitude: -0.1 ML		
Lat:	54.768N		Lon:	3.549W			Depth: 3.8 km	Lat:	57.253N		Lon:	5.486W			Depth: 2.5 km		
Grid Ref:	300.35 kmE	542.51 kmN	RMS: 0.01 secs	Grid Ref:	189.75 kmE	823.40 kmN	Locality: LOCH DUICH, HIGHLAND	RMS: 0.61 secs							Quality: D		
Locality: ALLONBY BAY, CUMBRIA			Quality: C	Comments: C/F	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI		KPL	SN	14			06:13	38.36
BHH	SZ	42	EP	2		23:06	58.28				KPL	SE	14	ES	3	06:13	36.40
BHH	SE	42	ES	3		23:07	03.60				KPL	SE	14			06:13	37.97
BBO	SZ	20	IP	1	C	23:06	54.68				KPL	SZ	14	EP	2	06:13	35.60
BBO	SZ	20	ES	3		23:06	57.41				KSB	SZ	6	EP	2	06:13	33.13
BBO	SZ	20				23:06	57.55	5	0.09		KSB	SZ	6	ES	3	06:13	33.85
June	28	1992	Time:	02:39	59.6	UTC	Magnitude: -0.4 ML	July	2	1992	Time:	14:20	36.4	UTC	Magnitude: 1.0 ML		
Lat:	54.770N		Lon:	3.527W			Depth: 8.1 km	Lat:	50.110N		Lon:	5.180W			Depth: 7.2 km		
Grid Ref:	301.75 kmE	542.74 kmN	RMS: 0.04 secs	Grid Ref:	172.68 kmE	28.18 kmN	Locality: CONSTANTINE, CORNWALL	RMS: 0.01 secs							Quality: B		
Locality: ALLONBY BAY, CUMBRIA			Quality: C	Comments: C/F	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI		CTR	SZ	7	IP	C	14:20	38.06
BHH	SZ	41	EP	3		02:40	07.00				CME	SZ	7	IP	C	14:20	38.19
BHH	SE	41	ES	2		02:40	12.12				CR2	SZ	6	IP	C	14:20	38.06
BBO	SZ	18	EP	3		02:40	03.28				CR2	SN	6	ES		14:20	39.32

## PHASE DATA : 1992

TABLE 5 (cont'd)

KPL	SZ	68	EP	2	C	09:58	20.60		MCH	SE	117			10:48	30.24	239	0.20			
KPL	SN	68	ES	3		09:58	29.61		HSA	SZ	90	EP	1	C	10:48	13.02				
KPL	SN	68				09:58	30.90	4	HPE	SZ	131	IP	1	D	10:48	18.98				
KPL	SE	68				09:58	31.08	5	HPE	SZ	131	ES	3		10:48	34.83				
KAR	SZ	28	EP	2		09:58	14.76		HEX	SZ	16	IP		C	10:48	01.45				
KAR	SZ	28	ES	3		09:58	18.27		HTL	SE	62	ES	1		10:48	14.77				
KSB	SZ	66	EP	2		09:58	20.59		HTL	SZ	62	IP		C	10:48	08.43				
KSB	SZ	66	ES	3		09:58	29.08													
KAC	SZ	95	EP	3		09:58	25.45													
KAC	SZ	95	ES	3		09:58	36.85													
<b>September 21 1992</b>		<b>Time: 22:30 40.6 UTC</b>				<b>Magnitude: 0.5 ML</b>				<b>September 25 1992</b>				<b>Magnitude: 2.0 ML</b>						
Lat: 56.246N		Lon: 3.903W				Depth: 0.0 km				Lat: 53.389N				Depth: 0.2 km						
Grid Ref: 282.11 kmE 707.56 kmN						RMS: 0.16 secs				Grid Ref: 446.41 kmE 388.22 kmN				RMS: 0.27 secs						
Locality: SHERIFFMUIR, CENTRAL						Comments: C/F				Locality: AUGHTON, S YORKSHIRE				Quality: D						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	
EBH	SZ	25	EP	3		22:30	45.53			MCH	SN	193	ES	4		05:27	03.79			
EBH	SZ	25	ES	3		22:30	49.48			MCH	SN	193				05:27	04.74	29	0.48	
EBH	SZ	25				22:30	50.74	11	0.30	MCH	SE	193				05:27	05.02	41	0.42	
PCO	SZ	31	EP	3		22:30	47.06			SBD	SZ	142	ES	2			05:26	50.37		
PCO	SZ	31	ES	3		22:30	51.21			HTR	SZ	197	ES	3			05:27	04.30		
PCO	SZ	31				22:30	51.80	11	0.25	HLM	SZ	144	EP	3			05:26	33.57		
<b>September 22 1992</b>		<b>Time: 17:25 51.7 UTC</b>				<b>Magnitude: 0.7 ML</b>				HLM				HLM						
Lat: 50.109N		Lon: 5.176W				Depth: 7.0 km				Comments: C/F				Depth: 5.0 km						
Grid Ref: 172.96 kmE 28.15 kmN						RMS: 0.02 secs				Locality: CONSTANTINE, CORNWALL				RMS: 0.02 secs						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	
CR2	SZ	6	IP		C	17:25	53.38			MCH	SN	193				05:26	22.10			
CR2	SN	6	ES	1		17:25	54.63			MCH	SE	193				05:26	31.71			
CR2	SN	6				17:25	54.68	45	0.01	MCH	SN	72	EP	3		05:26	38.97	18	0.40	
CR2	SE	6				17:25	54.68	87	0.08	MCH	SE	72	ES	2		05:26	35.90	20	0.16	
CGH	SZ	7	EP	2	C	17:25	53.36			KWE	SZ	55	ES	2		05:26	26.91			
CCO	SZ	3	EP	1		17:25	53.06			KBI	SZ	21	EP	3		05:26	13.18			
CCO	SZ	3	ES	1		17:25	54.10													
CCA	SZ	9	IP		D	17:25	53.71													
CST	SZ	10	IP		C	17:25	53.78													
CST	SZ	10	ES	1		17:25	55.30													
CBW	SZ	6	IP		C	17:25	53.35													
CBW	SZ	6	ES	1		17:25	54.57													
CME	SZ	8	EP	1		17:25	53.52													
CME	SN	8	ES			17:25	54.83													
CTR	SZ	6	IP		C	17:25	53.37													
CRA	SZ	6	IP		C	17:25	53.37													
<b>September 23 1992</b>		<b>Time: 10:47 57.9 UTC</b>				<b>Magnitude: 2.7 ML</b>				<b>September 26 1992</b>				<b>Magnitude: 2.3 ML</b>						
Lat: 51.014N		Lon: 3.598W				Depth: 10.4 km				Lat: 60.337N				Depth: 10.0 km						
Grid Ref: 287.92 kmE 125.18 kmN						RMS: 0.35 secs				Grid Ref: 243.61 kmE 1164.70 kmN				RMS: 0.11 secs						
Locality: TIVERTON, DEVON						Comments: FELT FORESTMILL,C/F				Locality: WEST OF SHETLAND				Comments: C/F						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	
CR2	SZ	146	EP	2		10:48	20.64			EDI	SN	39				16:04	50.06	83	0.90	
CR2	SN	146				10:48	40.73	70	0.14	EDI	SE	39				16:04	44.68	113	0.86	
CR2	SE	146	ES	3		10:48	37.36			EAU	SZ	35	EP	2		16:04	35.89			
CR2	SE	146				10:48	40.80	71	0.15	EAU	SE	35	ES	3		16:04	41.13			
CGH	SZ	154	EP			10:48	21.75			EBL	SZ	57	EP	2		16:04	39.38			
CCO	SZ	150	EP			10:48	21.06			EAB	SZ	41	EP	2		16:04	36.83			
CCA	SZ	148	EP	1		10:48	20.81			EAB	SE	41	ES	3		16:04	42.27			
CST	SZ	144	EP	3		10:48	20.53			EBH	SZ	18	EP	2		16:04	32.62			
CBW	SZ	144	EP	1		10:48	20.31			EBH	SE	18	ES	3		16:04	36.24			
CMB	SZ	146	EP			10:48	20.74			ELO	SZ	38	EP	2		16:04	36.17			
CMB	SN	146	ES	2		10:48	37.78			ELO	SE	38	ES	3		16:04	42.00			
CTR	SZ	146	EP			10:48	20.75			EDI	SZ	39	EP			16:04	36.69			
WCB	SN	271	ES	2		10:49	09.76			PGD	SZ	60	EP	2	D	16:04	40.50			
WCB	SN	271				10:49	20.08	25	0.68	PGD	SN	60	ES	2		16:04	48.03			
WCB	SE	271				10:49	17.76	40	0.66	PGD	SE	60				16:04	51.79	45	0.82	
WCB	SZ	271	ES	4		10:49	10.71			PCA	SZ	59	EP	3		16:04	39.91			
CRA	SZ	147	EP			10:48	20.90			PCA	SE	59	ES	2		16:04	47.51			
HP10	SZ	26	IP	1	D	10:48	02.99			PMS	SZ	73	EP	2		16:04	42.32			
HP06	SZ	21	IP	1	C	10:48	01.54			PMS	SE	73	ES	3		16:04	51.81			
HP03	SZ	64	IP	1	D	10:48	08.53			PCO	SZ	30	EP	2		16:04	34.79			
HP02	SZ	33	EP	1		10:48	03.52			PCO	SE	30	ES	3		16:04	40.12			
HP01	SZ	57	EP	1		10:48	07.67			KPL	SZ	180	EP	3		16:04	58.05			
HP01	SZ	57	ES	1		10:48	14.60			KPL	SN	180	ES	3		16:05	19.80			
HP09	SZ	69	EP	1		10:48	09.68			KPL	SE	180				16:05	22.17	14	0.73	
HP09	SZ	69	ES	1		10:48	18.00			KAR	SZ	158	EP	3		16:04	54.94			
HP07	SZ	60	IP	1	D	10:48	07.72			KAR	SE	158	ES	3		16:05	14.12			
HP07	SZ	60	ES	1		10:48	15.50			KSB	SZ	160	EP	3		16:04	55.37			
CSA	SZ	118	EP	2		10:48	17.15			KSB	SE	160	ES	3		16:05	14.94			
DYA	SZ	69	EP	1	C	10:48	09.93			KPL	SE	180				16:05	22.50	15	0.68	
DYA	SN	69	ES																	

## PHASE DATA : 1992

TABLE 5 (cont'd)

BBO	SE	23		01:32	19.83	7	0.17	HCG	SZ	42	EP	1	23:06	32.06	
September 29 1992	Time:	03:16	38.8 UTC		Magnitude:	0.5 ML		HCG	SZ	42	ES	2	23:06	36.85	
Lat: 56.298N	Lon:	3.867W		Depth:	0.3 km		HGH	SZ	127	EP	2	23:06	45.41		
Grid Ref: 284.49 kmE	713.23 kmN		RMS:	0.13 secs			HTR	SZ	74	EP	2	23:06	37.11		
Locality: SHERIFFMUIR, CENTRAL			Quality:	D			HTR	SZ	74	ES	2	23:06	45.57		
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	HSA	SZ	66	EP	1	23:06	35.85
EBH	SZ	23	EP	2	03:16	43.42		HPE	SZ	56	EP	1	23:06	33.77	
EBH	SZ	23	ES	3	03:16	47.07		HPE	SZ	56	ES	3	23:06	40.65	
PCO	SZ	37	EP	1	D	03:16	46.02								
PCO	SZ	37	ES	3		03:16	50.97								
PGB	SZ	66	EP	3		03:16	50.96								
PGB	SE	66	ES	3		03:16	59.67								
PGB	SE	66				03:17	01.38	2	0.12						
PGB	SN	66				03:17	02.37	2	0.14						
September 30 1992	Time:	16:52	46.0 UTC		Magnitude:	1.2 ML									
Lat: 55.369N	Lon:	5.250W		Depth:	4.3 km										
Grid Ref: 194.05 kmE	613.11 kmN		RMS:	0.45 secs											
Locality: ARRAN, STRATHCLYDE			Quality:	C											
Comments: 8KM SOUTH OF ARRAN															
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI							
PGB	SZ	69	EP	3		16:52	57.39								
PGB	SN	69	ES	2		16:53	06.17								
PGB	SN	69				16:53	09.05	14	0.16						
PGB	SE	69				16:53	09.37	13	0.28						
PCA	SZ	73	EP	4		16:52	59.74								
PCA	SZ	73	ES	3		16:53	07.24								
PMS	SZ	62	EP	2		16:52	57.11								
PMS	SZ	62	ES	3		16:53	04.54								
GMK	SZ	22	IP	1	C	16:52	50.56								
GMK	SZ	22	ES	3		16:52	52.70								
GAL	SZ	66	EP	3		16:52	58.10								
GAL	SN	66				16:53	04.52	10	0.96						
GAL	SE	66	ES	3		16:53	04.71								
GAL	SE	66				16:53	09.16	9	0.70						
September 30 1992	Time:	19:50	4.6 UTC		Magnitude:	1.4 ML									
Lat: 55.181N	Lon:	5.567W		Depth:	7.3 km										
Grid Ref: 172.95 kmE	593.26 kmN		RMS:	0.23 secs											
Locality: NORTH CHANNEL			Quality:	C											
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI							
GAL	SN	65				19:50	26.93	15	0.18						
GAL	SE	65	ES	2		19:50	23.23								
GAL	SE	65				19:50	27.50	17	0.11						
GAL	SZ	65	EP	2		19:50	15.79								
GCL	SZ	38	EP	2	C	19:50	11.55								
GCL	SZ	38	ES	3		19:50	15.88								
GMK	SZ	18	IP	1	D	19:50	08.38								
GMK	SZ	18	ES	2		19:50	10.76								
PGB	SZ	98	EP	3		19:50	21.52								
PMS	SZ	90	EP	3		19:50	19.54								
PGB	SN	98				19:50	32.73	8	0.19						
PGB	SE	98	ES	2		19:50	32.49								
PGB	SE	98				19:50	32.62	10	0.19						
PCA	SZ	101	EP	3		19:50	21.31								
PCA	SZ	101	ES	3		19:50	33.51								
September 30 1992	Time:	22:16	42.3 UTC		Magnitude:	1.2 ML									
Lat: 56.744N	Lon:	5.067W		Depth:	9.2 km										
Grid Ref: 212.50 kmE	765.61 kmN		RMS:	0.10 secs											
Locality: KINLOCHLEVEN, HIGHLAND			Quality:	B											
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI							
KPL	SZ	75	EP	2	D	22:16	54.94								
KNR	SZ	10	EP	2	C	22:16	44.81								
KNR	SZ	10	ES	3		22:16	46.77								
KAR	SZ	51	EP	3		22:16	50.84								
KSB	SZ	56	EP	2	C	22:16	51.68								
KSB	SZ	56	ES	3		22:16	58.71								
KPL	SN	75				22:17	06.35	8	0.39						
KPL	SE	75	ES	3		22:17	04.08								
KPL	SE	75				22:17	08.21	8	0.20						
PGB	SZ	110	EP	2		22:17	00.10								
PMS	SZ	102	EP	2		22:16	59.03								
PMS	SZ	102	ES	3		22:17	11.04								
September 30 1992	Time:	23:06	24.2 UTC		Magnitude:	1.5 ML									
Lat: 52.334N	Lon:	4.271W		Depth:	2.7 km										
Grid Ref: 245.29 kmE	273.11 kmN		RMS:	0.34 secs											
Locality: CARDIGAN BAY, WALES			Quality:	C											
Comments: 15KM SW OF ABERYSTWYTH															
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI							
WCB	SN	118				23:07	00.40	8	0.37						
WCB	SE	118	ES	3		23:06	58.65								
WCB	SE	118				23:06	59.15	7	0.27						
WPM	SZ	106	ES	3		23:06	54.58								
WLF	SZ	107	ES	3		23:06	55.03								
SSP	SZ	79	IP	1		23:06	38.15								
SSP	SN	79	ES	2		23:06	46.80								
SSP	SN	79				23:06	47.72	14	0.37						
SSP	SE	79				23:06	48.15	17	0.19						
October 1 1992	Time:	05:07	32.3 UTC		Magnitude:	1.3 ML									
Lat: 55.027N	Lon:	2.896W		Depth:	9.4 km										
Grid Ref: 342.74 kmE	570.63 kmN		RMS:	0.12 secs											
Locality: LONGTOWN, CUMBRIA			Quality:	B											
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI							
BHH	SZ	22				IPG	1	C	05:07	36.69					
BHH	SN	22				ISG			05:07	39.78					
BHH	SE	22							05:07	40.26	138	0.18			
BNA	SZ	47				IPG	1	C	05:07	39.95	132	0.20			
BTA	SN	19				EPG	2	D	05:07	40.62					
BTA	SE	19							05:07	36.26					
BTA	SN	19							05:07	39.18	77	0.19			
BTA	SE	19													
BTA	SE	19													
BWH	SZ	51				EPG	2	C	05:07	41.44					
BWH	SN	51				ESG	3		05:07	47.45					
BWH	SE	51							05:07	35.18					
BBH	SZ	12				IPG									
BBH	SN	12				ES	3		05:07	37.16					
BBH	SE	12							05:07	37.19					
BDL	SZ	25				IPG									
BDL	SN	25				ESG	3		05:07	41.47					
XAL	SZ	47				EPG	3		05:07	40.42					
XAL	SN	47				ESG	3		05:07	45.84					
XSO	SZ	66				IPG	1	D	05:07	43.93					
XSO	SN	66				ESG	2		05:07	51.82					
ECK	SE	23				IPG	1	D	05:07	36.69					
ECK	SE	23				ESG	3		05:07	39.66					
LMI	SE	94							05:08	01.68	15	0.28			
PGB	SZ	133				EPG	3		05:07	54.61					
PGB	SN	133							05:08	12.44	16	0.17			
PGB	SE	133							05:08	10.96					
PGB	SE	133							05:08	11.84	18	0.33			
PCA	SZ	114				EPG	2		05:07	52.10					
PCA	SE	114			</td										

**PHASE DATA : 1992**

TABLE 5 (cont'd)

## **PHASE DATA : 1992**

TABLE 5 (cont'd)

**PHASE DATA : 1992**

TABLE 5 (cont'd)

CR2	SN	6			14:20	39.34	83	0.10	KPL	SE	90	ES	3	15:30	49.71			
CR2	SE	6			14:20	39.35	177	0.04	KPL	SE	90				15:30	52.12	9 0.14	
CGH	SZ	7	IP	C	14:20	38.07			KPL	SZ	90	EP	2	D	15:30	38.81		
CCO	SZ	3	IP	D	14:20	37.75			KSB	SZ	85	EP	2	D	15:30	37.98		
CCA	SZ	9	IP	D	14:20	38.39			KSB	SZ	85	ES	3		15:30	48.87		
CST	SZ	10	IP	C	14:20	38.47			KAC	SZ	116	EP	3	D	15:30	42.77		
CBW	SZ	6	IP	C	14:20	38.04												
July	2	1992			Time: 22:16 17.2 UTC	Magnitude: 1.2 ML			July	7	1992	Time: 02:31 2.6 UTC			Magnitude: 0.8 ML			
Lat:	53.213N				Lat: 53.282N	Depth: 8.0 km			Lat:	53.282N		Lon: 1.744W			Depth: 4.3 km			
Grid Ref:	441.49 kmE	368.63 kmN			Grid Ref: 417.05 kmE	RMS: 0.08 secs			Grid Ref:	417.05 kmE		376.19 kmN			RMS: 0.35 secs			
Locality:	GRASSMOOR, DERBYSHIRE				Locality: BUXTON, DERBYSHIRE	Quality: C			Comments:	BUXTON, DERBYSHIRE		COLLAPSE	TYPE		Quality: D			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KWE	SZ	38	EP	2		22:16	23.86		KWE	SZ	30	EP	2		02:31	08.66		
KWE	SZ	38	ES	3		22:16	28.97		KWE	SZ	30	ES	2		02:31	12.03		
CWF	SZ	53	EP	2		22:16	26.38		KWE	SZ	30				02:31	13.78	25	0.35
CWF	SN	53	ES			22:16	32.86		KBI	SZ	15	EP	1		02:31	05.23		
CWF	SN	53				22:16	33.09	19 0.35	KBI	SZ	15	ES	2		02:31	08.08		
CWF	SE	53				22:16	32.96	7 0.18	KBI	SZ	15				02:31	09.48	42	0.29
July	3	1992			Time: 03:32 38.3 UTC	Magnitude: -0.1 ML			July	8	1992	Time: 08:59 58.8 UTC			Magnitude: 2.1 ML			
Lat:	50.111N				Lat: 51.934N	Depth: 6.5 km			Lat:	51.934N		Lon: 2.670W			Depth: 18.4 km			
Grid Ref:	172.41 kmE	28.34 kmN			Grid Ref: 353.98 kmE	RMS: 0.03 secs			Grid Ref:	353.98 kmE		226.46 kmN			RMS: 0.20 secs			
Locality:	CONSTANTINE, CORNWALL				Locality: ROSS-ON-WYE, HER & WOR	Quality: B			Locality:	ROSS-ON-WYE, HER & WOR		Quality: B						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CR2	SZ	6	IP	1	C	03:32	39.89		HP01	SZ	65	IP	1	D	09:00	09.86		
CR2	SN	6	ES	1		03:32	41.14		HP01	SZ	65	ES	2		09:00	17.48		
CR2	SZ	6				03:32	41.20	10 0.02	HP02	SZ	93	EP	2		09:00	14.39		
CR2	SE	6				03:32	41.21	12 0.05	HP02	SZ	93	ES	2		09:00	25.35		
CGH	SZ	7	ES	2		03:32	41.20		HP03	SZ	72	EP	2		09:00	10.65		
CCO	SZ	3	EP	1	C	03:32	39.59		HP03	SZ	72	ES	2		09:00	19.25		
CCA	SZ	9	ES	1		03:32	41.69		HP07	SZ	98	ES	2		09:00	26.32		
CST	SZ	10	IP	1	C	03:32	40.29		HP09	SZ	88	IP	1	D	09:00	13.41		
CST	SZ	10	ES	2		03:32	41.82		MCH	SE	24				09:00	07.65	362	0.16
CBW	SZ	7	IP	1	C	03:32	39.86		MCH	SN	24	ES	2		09:00	07.36		
CME	SN	7	ES	1		03:32	41.32		MCH	SN	24				09:00	07.70	343	0.12
CRA	SZ	6	EP	2		03:32	39.88		DYA	SN	189	ES	3		09:00	47.02		
July	3	1992			Time: 22:13 37.6 UTC	Magnitude: 0.7 ML			DYA	SN	189				09:00	50.34	34	0.23
Lat:	52.868N				Depth: 5.0 km				DYA	SE	189				09:00	50.34	54	0.24
Grid Ref:	407.71 kmE	330.14 kmN			RMS: 0.25 secs				CWF	SZ	129	EP	2		09:00	19.20		
Locality:	KINGSTONE, STAFFS				Quality: C				CWF	SN	129	ES	2		09:00	33.79		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	CWF	SE	129				09:00	34.80	53	0.29
KBI	SZ	49	EP	2		22:13	46.16		KBI	SZ	166	EP	2		09:00	24.68		
CWF	SZ	42	EP	2		22:13	45.33		SSP	SZ	62	IP		D	09:00	09.37		
CWF	SN	42				22:13	51.21	5 0.23	SSP	SN	62	ES	1		09:00	20.70	45	0.26
CWF	SE	42	ES	3		22:13	49.93		SSP	SE	62				09:00	17.18		
CWF	SE	42				22:13	52.10	8 0.36	HAE	SZ	14	IP		C	09:00	17.74	42	0.28
July	3	1992			Time: 22:19 8.3 UTC	Magnitude: 0.7 ML			HCG	SZ	80	IP		D	09:00	12.28		
Lat:	51.710N				Depth: 0.8 km				HGH	SZ	34	IP		D	09:00	05.13		
Grid Ref:	309.07 kmE	202.14 kmN			RMS: 0.14 secs				HLM	SZ	67	IP		D	09:00	09.98		
Locality:	BEDLINOG, MID GLAMORGAN				Quality: C				HTR	SZ	44	IP		D	09:00	06.50		
Comments:	C/F								SBD	SZ	115	IP	1	D	09:00	17.58		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	SBD	SZ	115	ES	2		09:00	30.64		
MCH	SN	39	ES	2		22:19	20.34		HBL2	SZ	29	IP	1	D	09:00	04.38		
MCH	SN	39				22:19	21.36	8 0.29	HBL2	SZ	29				09:00	09.07	186	0.21
MCH	SE	39				22:19	20.63	9 0.18	MCH	SZ	24	IP		D	09:00	03.71		
MCH	SZ	39	EP	1		22:19	15.11		HEX	SZ	125	EP	1	C	09:00	18.66		
HCG	SZ	72	EP	3		22:19	21.04		HEX	SZ	125	ES	2		09:00	32.56		
HGH	SZ	36	IP	1	D	22:19	14.77		HPE	SZ	145	EP	2		09:00	21.17		
HGH	SZ	36	ES	2		22:19	19.67		HPE	SZ	145	ES	2		09:00	38.21		
HTR	SZ	41	ES	3		22:19	21.44		HSA	SZ	105	IP	1	D	09:00	15.47		
July	5	1992			Time: 02:51 20.9 UTC	Magnitude: 0.7 ML			HSA	SZ	105	ES	1		09:00	27.66		
Lat:	51.788N				Depth: 9.2 km				HTL	SE	164				09:00	44.19	50	0.44
Grid Ref:	316.62 kmE	210.67 kmN			RMS: 0.06 secs				HTL	SN	164	ES	2		09:00	41.67		
Locality:	EBBW VALE, GWENT				Quality: D				HTL	SN	164				09:00	45.57	33	0.50
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	HTL	SZ	164	IP	1	D	09:00	23.89		
MCH	SN	28				02:51	29.60	11 0.11	WCB	SN	205	ES	4		09:00	53.56		
MCH	SE	28	ES	1		02:51	29.47		WCB	SN	205				09:00	59.44	13	0.48
MCH	SE	28				02:51	29.53	28 0.18	WCB	SE	205				09:01	00.19	14	0.60
MCH	SZ	28	EP	1	D	02:51	25.76		WME	SZ	197	EP	3		09:00	28.63		
MCH	SZ	33	EP	1		02:51	26.64		WPM	SZ	170	EP	2		09:00	24.59		
HGH	SZ	33	EP	1	D	02:51	26.78		YRE	SZ	167	EP	2		09:00	24.10		
HTR	SZ	33	EP	1		02:51	26.78		YRH	SZ	167	EP	2		09:00	24.47		
HTR	SZ	33	ES	2		02:51	30.78		WFB	SZ	125	EP	2		09:00	18.80		
July	6	1992			Time: 15:30 24.1 UTC	Magnitude: 1.4 ML												
Lat:	56.600N				Depth: 8.2 km													
Grid Ref:	139.02 kmE	753.39 kmN			RMS: 0.19 secs													
Locality:	MULL, STRATHCLYDE				Quality: D													
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL										
EAB	SZ	127	EP	2		15:30	44.62		LKL	SZ	14	EP	1		21:32	43.08		
EAB	SZ	127	ES	3		15:30	58.47		LKL	SZ	14	ES	3		21:32	45.00		
ELO	SZ	157	ES	3		15:31	07.93		LBO	SZ	40	EP	2		21:32	47.34		
PGB	SZ	141	EP	4		15:30	46.85		LBO	SZ	40	ES	3		21:32	52.13		
PGB	SN	141	ES	3		15:31	02.56		BRO	SZ	69	EPG						

PHASE DATA : 1992

TABLE 5 (cont'd)

PHASE DATA : 1992

TABLE 5 (cont'd)

CGH SZ 7 EP 1 C 07:40 32.68	MVH SZ 101 EP 1 08:17 08.96
CCO SZ 3 IP D 07:40 32.37	MLA SZ 164 EP 3 08:17 16.71
CCA SZ 9 IP D 07:40 33.00	MFI SZ 202 EP 2 08:17 22.22
CST SZ 10 IP C 07:40 33.09	EDI SE 231 EP 3 08:18 02.31
CBW SZ 6 IP 1 C 07:40 32.64	PGB SZ 200 ES 3 08:17 22.42
CME SZ 8 EP 1 07:40 32.79	PGB SN 200 ES 3 08:17 49.10
CTR SZ 7 IP C 07:40 32.68	PGB SN 200 EP 3 08:17 52.19
CRA SZ 6 EP 1 07:40 32.67	PGB SE 200 EP 3 08:17 52.76
	PCA SZ 217 EP 3 08:17 24.52
	PMS SZ 191 EP 3 08:17 24.49
	PCO SZ 192 EP 3 08:17 21.68
<b>July 19 1992 Time: 18:13 18.6 UTC</b>	<b>Magnitude: 0.9 ML</b>
Lat: 50.111N Lon: 5.178W	Depth: 7.2 km
Grid Ref: 172.80 kmE 28.33 kmN	RMS: 0.02 secs
Locality: CONSTANTINE, CORNWALL	Quality: B
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI
CR2 SZ 6 EP 18:13 20.31	20.31
CR2 SN 6 ES 18:13 21.54	
CR2 SN 6 18:13 21.61	75 0.10
CR2 SE 6 18:13 21.62	157 0.07
CGH SZ 7 EP C 18:13 20.31	
CGH SZ 7 ES 2 18:13 21.66	
CCO SZ 3 EP 1 18:13 19.99	
CCA SZ 9 EP D 18:13 20.62	
CST SZ 9 EP 1 18:13 20.70	
CST SZ 9 ES 1 18:13 22.21	
CBW SZ 6 IP C 18:13 20.28	
CBW SZ 6 ES 1 18:13 21.51	
CME SZ 7 EP 1 18:13 20.45	
CTR SZ 6 EP 1 C 18:13 20.30	
CRA SZ 6 EP 4 18:13 20.35	
<b>July 27 1992 Time: 02:58 9.0 UTC</b>	<b>Magnitude: 0.4 ML</b>
Lat: 50.109N Lon: 5.179W	Depth: 7.1 km
Grid Ref: 172.73 kmE 28.16 kmN	RMS: 0.01 secs
Locality: CONSTANTINE, CORNWALL	Quality: B
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI
CR2 SZ 6 IP C 02:58	10.70
CR2 SN 6 ES 02:58	11.95
CR2 SE 6 02:58	
CGH SZ 7 IP C 02:58	10.70
CCO SZ 3 IP D 02:58	10.38
CCA SZ 9 IP D 02:58	11.03
CST SZ 10 IP C 02:58	11.10
CBW SZ 6 IP C 02:58	10.67
CTR SZ 7 IP C 02:58	10.70
CRA SZ 6 IP D 02:58	10.68
<b>July 27 1992 Time: 03:03 10.9 UTC</b>	<b>Magnitude: 0.1 ML</b>
Lat: 50.111N Lon: 5.180W	Depth: 7.0 km
Grid Ref: 172.69 kmE 28.37 kmN	RMS: 0.03 secs
Locality: CONSTANTINE, CORNWALL	Quality: B
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI
CR2 SZ 6 IP C 03:03	12.50
CR2 SN 6 ES 1 03:03	13.76
CR2 SE 6 03:03	
CCO SZ 3 IP D 03:03	13.81
CCO SZ 3 ES 1 03:03	13.82
CCA SZ 9 IP D 03:03	12.20
CCA SZ 9 ES 1 03:03	13.24
CST SZ 9 IP C 03:03	12.83
CST SZ 9 ES 1 03:03	14.30
CBW SZ 6 IP C 03:03	12.91
CBW SZ 6 ES 1 03:03	14.44
CBW SZ 6 03:03	12.48
CME SZ 7 IP C 03:03	13.69
CME SZ 7 ES 1 03:03	12.65
CTR SZ 6 IP C 03:03	13.95
CTR SZ 6 ES 1 03:03	12.50
CRA SZ 6 IP C 03:03	12.50
CGH SZ 7 EP 3 03:03	12.51
<b>July 26 1992 Time: 08:16 52.7 UTC</b>	<b>Magnitude: 2.8 ML</b>
Lat: 57.486N Lon: 5.661W	Depth: 15.1 km
Grid Ref: 180.59 kmE 849.84 kmN	RMS: 0.24 secs
Locality: STRATHCARRON, HIGHLAND	Quality: C
Comments: FELT STRATHCARRON...	Intensity: 3+
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI
EDF SN 231 ES 2 08:17 57.56	
EDF SN 227 EP 2 08:17 25.80	
EDF SZ 249 EP 2 08:17 28.94	
ESY SZ 256 EP 2 08:17 29.56	
EAB SZ 166 EP 3 08:17 18.86	
EBH SZ 190 EP 2 08:17 22.00	
EDU SZ 192 EP 2 08:17 22.22	
EDU SZ 192 ES 2 08:17 47.98	
ELO SZ 164 EP 2 08:17 17.78	
EDR SZ 199 EP 3 08:17 21.97	
EDI SZ 231 EP 1 08:17 26.89	
BHH SZ 306 EP 3 08:17 35.55	
BNA SZ 308 EP 2 08:17 35.64	
BBO SZ 341 EP 2 08:17 39.64	
BWH SZ 286 EP 2 08:17 32.85	
BWH SZ 286 ES 4 08:18 10.14	
BBH SZ 312 EP 2 08:17 35.90	
BDL SZ 343 EP 2 08:17 40.15	
BDL SZ 343 ES 3 08:18 20.25	
EDI SN 231 08:18 04.39 66 0.15	
KPL SE 16 ES 3 08:16 59.21	
KPL SZ 16 IP 1 D 08:16 56.61	
KPL SZ 16 08:16 59.48 930 0.18	
KNR SZ 85 IP 1 C 08:17 07.10	
KNR SZ 85 ES 3 08:17 16.61	
KAR SZ 64 IP 1 D 08:17 03.56	
KAR SZ 64 ES 3 08:17 11.16	
KSB SZ 34 IP 1 C 08:16 59.01	
KSB SZ 34 ES 3 08:17 03.23	
KAC SZ 22 IP 1 C 08:16 57.29	
MCD SN 145 ES 3 08:17 31.93	
MDO SZ 78 IP C 08:17 05.70	
MME SZ 163 EP 2 08:17 17.17	
<b>July 28 1992 Time: 04:26 16.4 UTC</b>	<b>Magnitude: 0.2 ML</b>
Lat: 57.472N Lon: 5.372W	Depth: 2.4 km
Grid Ref: 197.84 kmE 847.45 kmN	RMS: 0.13 secs
Locality: STRATHCARRON, HIGHLAND	Quality: C
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI
KPL SN 23 ES 2 04:26	23.77
KPL SN 23 04:26	
KPL SE 23 04:26	
KPL SZ 23 EP 3 04:26	20.80
KAC SZ 5 IP 1 04:26	17.89
KAC SZ 5 ES 3 04:26	18.52
KSB SZ 29 EP 4 04:26	24.50
<b>July 28 1992 Time: 05:47 50.6 UTC</b>	<b>Magnitude: 0.4 ML</b>
Lat: 51.799N Lon: 3.007W	Depth: 17.1 km
Grid Ref: 330.54 kmE 211.63 kmN	RMS: 0.03 secs
Locality: ABERGAVENNY, GWENT	Quality: C
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI
MCH SN 22 ES 2 05:47	58.67
MCH SN 22 05:47	
MCH SE 22 05:47	
MCH SZ 22 IP 1 C 05:47	55.21
HAE SZ 41 EP 1 05:47	58.03
HGH SZ 23 IP D 05:47	55.33
HTR SZ 36 ES 3 05:48	02.10
<b>July 28 1992 Time: 05:59 36.5 UTC</b>	<b>Magnitude: 0.0 ML</b>
Lat: 50.109N Lon: 5.180W	Depth: 7.3 km
Grid Ref: 172.67 kmE 28.11 kmN	RMS: 0.02 secs
Locality: CONSTANTINE, CORNWALL	Quality: B
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI
CR2 SZ 7 IP C 05:59	38.16
CR2 SN 7 ES 05:59	39.43
CR2 SE 7 05:59	
CR2 SZ 7 EP 1 05:59	39.47
CR2 SZ 7 EP 1 05:59	12 0.02
CGH SZ 7 EP 1 05:59	38.15
CCO SZ 3 IP D 05:59	37.85
CCA SZ 9 IP D 05:59	38.48
CST SZ 10 IP C 05:59	38.56

**PHASE DATA : 1992**

TABLE 5 (cont'd)

## PHASE DATA : 1992

TABLE 5 (cont'd)

BWH	SZ	70	EPG	2	D	04:14	02.63		ASK	SZ	82	EP	1	07:32	54.30				
BBH	SZ	43	IPG		C	04:13	58.25		SUE	SZ	149	EP	1	07:33	05.10				
BDL	SZ	8	IPG		C	04:13	53.20		SUE	SE	149	ES	3	07:33	23.00				
BDL	SZ	8	ESG	3		04:13	54.27		BER	SZ	69	EP	1	07:32	53.50				
ESK	SN	67				04:14	13.26	41 0.09	KMY	SZ	87	EP	1	07:32	56.21				
ESK	SE	67	ESG	3		04:14	10.09		HYA	SZ	144	EP	1	07:33	05.00				
ESK	SE	67				04:14	13.26	41 0.13	HYA	SE	144	ES	3	07:33	22.33				
ESK	SZ	67	EPG	2	D	04:14	02.10		ODD1	SZ	33	EP	1	07:32	47.42				
XAL	SZ	42	EPG	3	C	04:13	57.90		FOO	SZ	199	EP	1	07:33	12.61				
XDE	SZ	50	IPG		C	04:13	59.48		FRO	SZ	219	EP	1	07:33	14.00				
XDE	SZ	50	ESG	3		04:14	05.53		FRO	SZ	219	ES	3	07:33	38.77				
LMI	SZ	66	EPG	2		04:14	02.12		MLA	SZ	566	EP	2	07:33	56.01				
LMI	SN	66	ESG	3		04:14	10.39		MFI	SZ	545	EP	2	07:33	54.37				
LMI	SN	66				04:14	10.71	45 0.19	XSO	SZ	695	EP	3	07:34	11.62				
LCK	SZ	44	IPG		D	04:13	58.36		XSO	SZ	695	ES	3	07:35	08.36				
LCK	SZ	44	ESG	3		04:14	03.77		MCD	SE	596			07:35	08.30				
LKL	SZ	63	EPG	2	D	04:14	01.45		MCD	SN	596	ES	3	07:34	56.88				
LKL	SZ	63	ESG	3		04:14	09.19		MCD	SN	596			07:35	09.89				
LCP	SZ	88	EPG	3		04:14	05.61		LRW	SN	404	ES	2	07:34	16.90				
LCP	SZ	88	ESG	3		04:14	15.54		LRW	SN	404			07:34	19.46				
LBO	SZ	88	EPG	3		04:14	05.64		LRW	SE	404	EP	2	07:34	20.80				
GAL	SZ	121	EPG	3		04:14	10.70		YEL	SZ	402	EP	1	07:33	35.95				
GAL	SN	121				04:14	24.85	18 0.16	YEL	SZ	402	ES	3	07:34	16.38				
GAL	SE	121	ES	3		04:14	24.40		SAN	SZ	407	EP	2	07:33	35.56				
GAL	SE	121				04:14	25.04	19 0.52	SAN	SZ	407	ES	3	07:34	18.22				
<b>August 4 1992</b>		<b>Time: 18:17 23.4 UTC</b>				<b>Magnitude: 1.4 ML</b>				<b>August 6 1992</b>		<b>Time: 18:27 34.6 UTC</b>				<b>Magnitude: 0.5 ML</b>			
Lat: 55.978N		Lon: 4.410W				Depth: 2.1 km				Lat: 57.071N		Lon: 5.686W				Depth: 6.9 km			
Grid Ref: 249.66 kmE		678.73 kmN				RMS: 0.18 secs				Grid Ref: 176.62 kmE		803.81 kmN				RMS: 0.12 secs			
Locality: MILNEGAVIE, STRATHCLYDE						Quality: C				Locality: LOCH NEVIS, HIGHLAND						Quality: B			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
PGB	SZ	19	IP	1	C	18:17	27.14		KPL	SN	30					18:27	44.28	8	0.09
PGB	SN	19	ES	3		18:17	29.90		KPL	SE	30	ES	2			18:27	43.98		
PGB	SN	19				18:17	30.09	120 0.36	KPL	SE	30					18:27	44.21	12	0.16
PGB	SE	19				18:17	31.26	139 0.31	KPL	SZ	30	IP	1	D	18:27	40.24			
PCA	SZ	32	IP	1	C	18:17	29.29		KPL	SZ	52	EP	2	C	18:27	43.45			
PCA	SZ	32	ES	3		18:17	33.78		KAR	SZ	19	IP	1	C	18:27	38.38			
PMS	SZ	26	EP	2	C	18:17	28.22		KAR	SZ	19	ES	3		18:27	40.97			
PMS	SZ	26	ES	2		18:17	31.91		KSB	SZ	22	EP	2		18:27	38.98			
PCO	SZ	20	IP	1	C	18:17	27.13		KSB	SZ	22	ES	3		18:27	41.78			
PCO	SZ	20	ES	3		18:17	30.99												
BHH	SZ	124	EP	2		18:17	44.35												
BHH	SN	124	ES	3		18:17	59.34												
BWH	SZ	101	EP	2	C	18:17	40.42												
BBH	SZ	133	EP	3		18:17	45.77												
EAB	SZ	24	EP	2		18:17	28.10												
EAB	SZ	24	ES	3		18:17	31.35												
EAU	SZ	62	EP	2		18:17	34.24												
EBH	SZ	64	EP	2		18:17	34.28												
EBH	SZ	64	ES	2		18:17	42.30												
EDI	SZ	77	EP	3		18:17	36.60												
EDI	SZ	77	ES	3		18:17	46.32												
EDI	SN	77	ES	3		18:17	46.32	18 0.20											
ESY	SZ	113	EP	2		18:17	42.81												
<b>August 4 1992</b>		<b>Time: 19:38 52.0 UTC</b>				<b>Magnitude: 0.4 ML</b>				<b>August 6 1992</b>		<b>Time: 18:50 10.7 UTC</b>				<b>Magnitude: 2.1 ML</b>			
Lat: 56.171N		Lon: 3.682W				Depth: 23.1 km				Lat: 59.953N		Lon: 4.551W				Depth: 15.0 km			
Grid Ref: 295.55 kmE		698.90 kmN				RMS: 0.17 secs				Grid Ref: 257.56 kmE		1121.32 kmN				RMS: 0.16 secs			
Locality: DOLLAR, CENTRAL						Quality: C				Locality: NW OF ORKNEY ISLANDS						Quality: D			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EDI	SZ	42	EP	3		19:38	59.83			JRS	SZ	44	EP	3		09:29	27.97		
EDI	SN	42				19:38	59.83	3 0.20		JRS	SZ	44	ES	2		09:29	34.04		
EDI	SE	42	ES	3		19:39	05.20			JRS	SZ	44				09:29	35.60	10	0.28
EAB	SZ	41	EP	3		19:38	59.94			JLP	SZ	49	EP	2		09:29	29.06		
EAB	SZ	41	ES	3		19:39	04.88			JQS	SZ	42	EP	2		09:29	27.84		
EBH	SZ	14	EP	2		19:38	56.29			JQE	SZ	42	EP	2		09:29	27.82		
EBH	SZ	14	ES	2		19:38	59.90			JQW	SZ	43	EP	2		09:29	27.99		
PCO	SZ	33	EP	2		19:38	58.64			JVM	SZ	53	EP	2		09:29	29.52		
<b>August 5 1992</b>		<b>Time: 06:17 59.0 UTC</b>				<b>Magnitude: 0.4 ML</b>				<b>August 7 1992</b>		<b>Time: 09:29 20.4 UTC</b>				<b>Magnitude: 1.0 ML</b>			
Lat: 55.977N		Lon: 4.428W				Depth: 0.3 km				Lat: 48.935N		Lon: 1.631W				Depth: 5.2 km			
Grid Ref: 248.51 kmE		678.60 kmN				RMS: 0.28 secs				Grid Ref: 427.01 kmE		-107.20 kmN				RMS: 0.08 secs			
Locality: MILNEGAVIE, STRATHCLYDE						Quality: D				Locality: OFF GRANVILLE, FRANCE						Quality: D			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
PCO	SZ	21	IP	1	C	06:18	03.15			JRS	SZ	11	EP	2		19:54	09.02		
PCO	SZ	21	ES	3		06:18	07.27			KAR	SZ	45	EP	2		19:54	14.54		
PMS	SZ	25	EP	3		06:18	04.18			KSB	SZ	28	EP	2		19:54	11.87		
PMS	SZ	25	ES</																

## PHASE DATA : 1992

TABLE 5 (cont'd)

<b>August 8 1992 Time: 22:52 15.7 UTC</b>										<b>August 15 1992 Time: 00:52 48.5 UTC</b>										<b>Magnitude: 1.5 ML</b>											
Lat: 57.309N Lon: 5.832W										Lat: 53.505N Lon: 2.576W										Depth: 5.0 km											
Grid Ref: 169.27 kmE 830.74 kmN										Grid Ref: 361.79 kmE 401.11 kmN										RMS: 0.09 secs											
Locality: SCALPAY, HIGHLAND										Locality: GOLBORNE, GT MANCHESTER										Quality: D											
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI		
KPL	SZ	11	EP	1		22:52	18.08			LMI	SZ	93	EP	2		00:53	04.65			LMI	SZ	93	ES	3		00:53	15.75				
KNR	SZ	75	EP	3		22:52	31.01			LMI	SN	93								LMI	SN	93									
KAR	SZ	44	EP	2		22:52	23.42			LKL	SZ	97	ES	3		00:53	16.58	11	0.18	LKL	SZ	80	EP	2		00:53	15.75				
KSB	SZ	27	EP	2		22:52	20.89			LKL	SZ	80	ES	3		00:53	16.26	15	0.27	LBO	SZ	53	EP	2		00:53	10.91				
KAC	SZ	39	EP	2		22:52	22.71			LBO	SZ	53								LBO	SZ	53	ES	3		00:53	57.97				
KPL	SN	11	ES	3		22:52	19.66			LLO	SZ	38	EP	2		00:52	55.58			LLO	SZ	38	ES	3		00:53	00.66				
KPL	SN	11				22:52	20.02	38	0.22	HPK	SZ	80	EP	2	C	00:53	02.08			HPK	SN	80	ES	2		00:53	11.90				
KPL	SE	11				22:52	21.52	121	0.56	HPK	SE	80								HPK	SE	80									
<b>August 11 1992 Time: 04:27 47.3 UTC</b>										<b>Magnitude: 1.6 ML</b>										Depth: 0.7 km											
Lat: 54.194N Lon: 0.075W										RMS: 0.08 secs										Quality: D											
Grid Ref: 525.54 kmE 479.37 kmN										Locality: BRIDLINGTON, HUMBERSIDE										Comments: C/F											
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	HPK	SN	105	ES	3	04:28	18.12				LHO	SZ	48	EP	2		00:52	57.07				
HPK	SN	105	ES	3		04:28	32.49	17	0.26	LRN	SZ	114	EP	2		00:53	07.42			LRN	SZ	114	ES	3		00:53	20.81				
HPK	SN	105				04:28	01.89			WCB	SN	132	ES	2		00:53	24.65			WCB	SN	132									
LMK	SZ	84	EP	3		04:28	12.45			WCB	SE	132					00:53	26.24	4	0.21	WCB	SE	132								
LMK	SZ	84	ES			04:28	15.29			WME	SZ	115	EP	3		00:53	07.17			WME	SZ	115	ES	3		00:53	20.98				
LKL	SZ	161	EP	4		04:28	32.30			WLF	SZ	124	EP	1		00:53	08.35			WLF	SZ	124	ES	2		00:53	23.14				
LKL	SZ	161	ES	3		04:28	37.96			YRC	SZ	136	EP	3		00:53	10.72			YRC	SZ	136	ES	3		00:53	25.51				
LCK	SZ	183	ES	3		04:28	15.11			WPM	SZ	93	ES	3		00:53	15.42			WPM	SZ	93									
LBO	SZ	165	EP	4		04:28	33.66			YLL	SZ	114	EP	2		00:53	07.25			YLL	SZ	114	ES	3		00:53	20.48				
LBO	SZ	165	ES	3		04:28	53.21	11	1.20	YRE	SZ	137	EP	2		00:53	10.26			YRE	SZ	137	ES	2		00:53	26.51				
LLO	SZ	167	EP	4		04:28	42.80	6	1.31	YRE	SE	211								YRE	SE	211									
LLO	SZ	167	ES	3		04:28	03.91			WIM	SZ	156	EP	2		00:53	11.60			WIM	SZ	156	ES	3		00:53	09.58				
LMI	SZ	211	EP	4		04:28				WCB	SZ	132	EP	3		00:53				WCB	SZ	132									
LMI	SN	211	ES	3		04:28				<b>Magnitude: 1.5 ML</b>										<b>August 11 1992 Time: 10:18 56.8 UTC</b>											
LMI	SE	211				04:28				Depth: 0.3 km										RMS: 0.11 secs											
LMI	SE	211				04:28				Quality: B										Comments: C/F											
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI		
EAU	SZ	36	EP	1	D	10:19	03.83			SSP	SZ	83	IP	1	D	00:53	49.12			SSP	SZ	83	ES	3		00:54	05.55	33	0.20		
EBL	SZ	59	EP	2	D	10:19	07.36			SSP	SN	83								SSP	SE	83									
EAB	SZ	38	EP	2		10:19	04.12			SSP	SE	83								HAE	SZ	63	IP	1	C	00:53	46.08				
EAB	SZ	38	ES	3		10:19	09.39			SSP	SE	83							HAE	SZ	63	ES	2		00:53	54.18					
EBH	SZ	20	IP	1	D	10:19	01.08			SSP	SE	83							HCG	SZ	77	IP	1	D	00:53	48.42					
EBH	SZ	20	ES	2		10:19	04.54			SSP	SE	83							HCG	SZ	77	ES	2		00:53	58.04					
EDU	SZ	66	EP	2		10:19	08.73			SSP	SE	83							HGH	SZ	32	IP	1	C	00:53	40.87					
EDU	SZ	66	ES	2		10:19	17.33			SSP	SE	83							HGH	SZ	32	ES	2		00:53	45.17					
ELO	SZ	39	EP	2	D	10:19	04.24			SSP	SE	83							HTR	SZ	45	IP	1	D	00:53	43.06					
ELO	SZ	39	ES	3		10:19	09.77			SSP	SE	83							HTR	SZ	45	ES	2		00:53	48.95					
EDI	SZ	41	EP	2		10:19	04.79			SSP	SE	83							HP06	SZ	65	IP	1	D	00:53	46.70					
EDI	SE	41	ES	2		10:19	10.37			SSP	SE	83							HP06	SZ	65	ES	4		00:53	55.75					
PMS	SZ	70	EP	3		10:19	09.58			SSP	SE	83							HP03	SZ	53	IP	1	D	00:53	44.27					
PGB	SZ	58	EP	3		10:19	07.22			SSP	SE	83							HP02	SZ	57	EP	2		00:53	45.43					
PCO	SZ	27	EP	1	C	10:19	02.36			SSP	SE	83							HP02	SZ	57	ES	4		00:53	53.00					
PCO	SZ	27	ES	3		10:19	06.53			SSP	SE	83							HP01	SZ	24	IP	1	D	00:53	39.55					
PGB	SN	58				10:19	23.72	30	0.76	SSP	SE	83							HP01	SZ	24	ES	2		00:53	43.18					
PGB	SE	58	ES	3		10:19	15.01			SSP	SE	83							HP09	SZ	74	EP	3		00:53	48.49					
PGB	SE	58				10:19	21.39	23	0.69	SSP	SE	83							HP09	SZ	74	ES	4		00:53	58.56					
<b>August 14 1992 Time: 09:50 7.9 UTC</b>																															

PHASE DATA : 1992

**TABLE 5 (cont'd)**

MCH	SE	40			00:53	47.57	285	0.16	BWH	SZ	101	EPG	3	11:25	03.58	
MCH	SZ	40	IP	D	00:53	42.22			BWH	SZ	101	ESG	3	11:25	15.66	
August	19	1992	Time:	22:34	4.1 UTC		Magnitude:	-0.1 ML	BBH	SZ	73	EPG	3	11:24	58.70	
			Lat:	52.983N	Lon: 4.427W		Depth:	13.6 km	LMI	SZ	57	EPG	2	11:24	55.88	
			Grid Ref:	237.09 kmE	345.60 kmN		RMS:	0.23 secs	LMI	SN	57	ESG	3	11:25	03.38	
			Locality:	LLANAELHAEARN, GWYNEDD			Quality:	B	LMI	SN	57			11:25	05.05	
			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI			11:25	04.53
			WCB	SE	45	ES			22:34	17.28			C	11:24	50.82	
			WCB	SE	45				22:34	18.02	1	0.21		11:24	53.86	
			WME	SZ	47	ES	4		22:34	17.89	1	0.46	D	11:24	52.29	
			WLF	SZ	34	EP	3		22:34	09.65				11:24	56.26	
			WLF	SZ	34	ES	3		22:34	14.28				11:24	56.62	
			YRC	SZ	31	EP	3		22:34	09.40				11:25	04.13	
			YLL	SZ	25	EP	2		22:34	08.68				11:24	59.26	
			YLL	SZ	25	ES	2		22:34	12.11				11:25	16.35	
			YRE	SZ	0	EP	2		22:34	06.38				11:25	14.31	
			YRH	SZ	21	EP	1		22:34	08.70				11:25	16.02	
			YRH	SZ	21	ES	2		22:34	11.10				11:24	0.28	
August	20	1992	Time:	09:22	20.2 UTC		Magnitude:	1.8 ML	XAL	SZ	45	EPG	3	11:24	18.07	
			Lat:	56.376N	Lon: 5.786W		Depth:	10.1 km	XSO	SZ	111	EP	3	11:25	18.22	
			Grid Ref:	166.23 kmE	726.87 kmN		RMS:	0.22 secs	XSO	SZ	111	ES	3	11:25	00.37	
			Locality:	MULL, STRATHCLYDE			Quality:	D	ECK	SZ	82	EPG	3	11:25	09.79	
			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI			11:24	53.38
			PGB	SZ	103	EP	2	C	09:22	36.93				11:24	58.17	
			PGB	SN	103	ES	3		09:22	49.50				11:24	56.30	
			PGB	SN	103				09:22	51.60	20	0.35	D	11:25	03.11	
			PGB	SE	103				09:22	50.90	31	0.45				
			PCO	SZ	113	EP	2	C	09:22	38.29				11:25	00.85	
			PCO	SZ	113	ES	3		09:22	51.92				11:25	11.85	
			KPL	SZ	108	EP	2	D	09:22	37.92				11:25	06.22	
			KAR	SZ	60	EP	2	C	09:22	30.41				11:25	20.37	
			KAR	SZ	60	ES	3		09:22	37.50				11:24	59.33	
			KS8	SZ	95	EP	3		09:22	35.77				11:25	07.83	
			KAC	SZ	129	EP	2	D	09:22	41.05				11:24	55.22	
			KPL	SN	108				09:22	53.33	12	0.28		11:25	01.33	
			KPL	SE	108	ES	3		09:22	50.54				11:24	59.60	
			KPL	SE	108				09:22	53.63	19	0.27		11:25	12.28	
			PMS	SZ	88	EP	2	C	09:22	34.52				11:25	08.88	
			PMS	SZ	88	ES	3		09:22	45.85				11:25	00.43	
			PCA	SZ	122	EP	3		09:22	40.01				11:25	10.67	
			PCA	SZ	122	ES	3		09:22	53.73				11:24	54.88	
														11:25	00.97	
August	21	1992	Time:	16:46	42.2 UTC		Magnitude:	1.7 ML	BBO	SN	50	IPG	3	11:25	01.45	
			Lat:	51.880N	Lon: 2.754W		Depth:	13.4 km	BBO	SE	50	ESG	3	11:25	31.08	
			Grid Ref:	348.11 kmE	220.42 kmN		RMS:	0.16 secs	BTA	SZ	44	EPG	3	11:24	53.81	
			Locality:	MONMOUTH, GWENT			Comments:	7KM NORTH OF MONMOUTH	August	27	1992	Time:	15:52	0.3 UTC	Magnitude:	2.7 ML
			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI			Depth:	11.1 km
			SSP	SZ	65	EP	1	D	16:46	53.27					RMS:	0.25 secs
			SSP	SN	65				16:47	02.58	12	0.12			Quality:	C
			SSP	SE	65	ES	2		16:47	01.41						
			SSP	SE	65				16:47	01.57	14	0.24				
			HGH	SZ	27	IP	1	D	16:46	47.38						
			HLM	SZ	72	EP	2		16:46	54.41						
			HTR	SZ	42	IP		D	16:46	49.45						
			HBL2	SZ	27	IP	1	D	16:46	47.46						
			DYA	SN	181	ES	2		16:47	30.11						
			DYA	SN	181				16:47	34.12	15	0.14				
			DYA	SE	181				16:47	31.96	19	0.35				
			CWF	SN	137	ES	3		16:47	20.04						
			CWF	SN	137				16:47	22.27	13	0.11				
			CWF	SE	137				16:47	21.73	20	0.34				
			MCH	SN	21	ES	1		16:46	49.73						
			MCH	SN	21				16:46	49.84	199	0.26				
			MCH	SE	21				16:46	49.86	167	0.26				
			MCH	SZ	21	IP	1	D	16:46	46.52						
			SBD	SZ	119	EP	3		16:47	01.55						
			HAE	SZ	23	IP	1	C	16:46	46.90						
			HAE	SZ	23	ES	2		16:46	49.46						
			HTL	SN	156	ES	2		16:47	24.95						
			HTL	SN	156				16:47	25.70	21	0.71				
			HTL	SE	156	EP	2		16:47	25.44	10	0.29				
			HTL	SZ	156				16:47	06.91						
			HSA	SZ	98	EP	2		16:46	57.94						
			HPE	SZ	139	EP	3		16:47	04.70						
			HEX	SZ	116	EP	2		16:47	00.98						
			HEX	SZ	116	ES	3		16:47	14.24						
			HCG	SZ	79	IP	1	D	16:46	55.52						
			HCG	SZ	79	ES	2		16:47	05.08						
August	25	1992	Time:	11:24	45.9 UTC		Magnitude:	1.7 ML	PCA	SZ	116	EP	2	11:25	19.36	
			Lat:	54.513N	Lon: 2.581W		Depth:	2.4 km	PCA	SZ	116	ES	3	11:25	33.06	
			Grid Ref:	362.38 kmE	513.25 kmN		RMS:	0.17 secs	EAB	SZ	106	EP	2	11:25	17.17	
			Locality:	ORTON, CUMBRIA			Comments:	5KM NORTH OF ORTON	EAB	SZ	106	ES	3	11:25	29.21	
			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI				
			BTA	SN	44	ISG	2		11:24	59.63						
			BTA	SN	44				11:25	01.06	40	0.12	D	11:25	42.36	
			BTA	SE	44				11:24	59.83	68	0.33		11:25	24.28	

PHASE DATA : 1992

TABLE 5 (cont'd)

ELO	SZ	151	EP	3	15:52	23.46		YRH	SZ	23	IP	1	C	04:26	49.89			
ELO	SZ	151	ES	3	15:52	41.20		YRH	SZ	23	ES	1		04:26	53.46			
GAL	SE	154			15:52	46.27	101	0.53	WFB	SZ	39	EP	3		04:26	52.00		
GAL	SN	154	ES	3	15:52	41.78		WCB	SZ	47	IP	2	C	04:26	53.38			
GAL	SN	154			15:52	46.32	52	0.20	SSP	SZ	106	EP	2	D	04:27	02.14		
PGB	SN	99	ES	2	15:52	28.36		SSP	SN	106	ES	3		04:27	13.91			
PGB	SN	99			15:52	31.42	127	0.31	SSP	SN	106				04:27	16.27		
PGB	SE	99			15:52	30.43	155	0.50	SSP	SE	106				04:27	16.69		
EDI	SE	177	ES	2	15:52	47.16		YLL	SZ	24	IP	1	C	04:26	50.09			
EDI	SE	177			15:52	55.59	41	0.47	YLL	SZ	24	ES	3		04:26	53.10		
August	28	1992	Time:	01:48	52.8	UTC	Magnitude: 1.4 ML	August	31	1992	Time:	18:25	53.6	UTC	Magnitude: 3.7 ML			
Lat:	56.124N		Lon:	3.736W			Depth: 0.7 km	Lat:	55.063N		Lon:	3.895E		Depth: 19.1 km				
Grid Ref:	292.07 kmE	693.71 kmN					RMS: 0.12 secs	Grid Ref:	776.23 kmE	590.18 kmN			RMS: 0.38 secs					
Locality:	CLACKMANNAN, CENTRAL						Quality: B	Locality:	CENTRAL NORTH SEA				Quality: D					
Comments:	C/F							STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI									
EDI	SN	41	ES	2		01:49	06.02		EDR	SZ	452	EP	2		18:26	53.05		
EDI	SN	41				01:49	07.45	41	0.66	EDR	SZ	452	ES	3		18:27	36.72	
EDI	SE	41				01:49	07.20	48	0.48	EDI	SZ	458	EP	2		18:26	54.71	
EAU	SZ	36	EP	2		01:48	59.61		EDI	SN	458	ES	3		18:27	38.37		
EAU	SZ	36	ES	3		01:49	04.69		EDI	SZ	458				18:27	42.45	57 0.45	
EBL	SZ	58	EP	2		01:49	03.15		EAU	SZ	473	EP	2		18:26	55.34		
EBL	SZ	58	ES	3		01:49	10.85		EBL	SZ	447	EP	2		18:26	52.87		
ESY	SZ	74	EP	2		01:49	05.89		ESY	SZ	422	EP	2		18:26	49.74		
EAB	SZ	38	EP	2		01:49	00.01		ESY	SZ	422	ES	3		18:27	30.80		
EAB	SZ	38	ES	2		01:49	05.04		EAB	SZ	534	EP	2		18:27	03.61		
EBH	SZ	20	IP	1	D	01:48	56.84		EBH	SZ	484	EP	2		18:26	58.03		
EBH	SZ	20	ES	2		01:48	59.97		ELO	SZ	502	EP	2		18:26	59.51		
EDU	SZ	65	EP	2		01:49	04.49		HAE	SZ	543	EP	2		18:27	04.77		
EDU	SZ	65	ES	2		01:49	13.07		HCG	SZ	585	EP	2		18:27	09.91		
ELO	SZ	39	EP	2	D	01:49	00.02		HCG	SZ	585	ES	3		18:28	06.85		
ELO	SZ	39	ES	3		01:49	05.25		HGH	SZ	587	EP	2		18:27	09.57		
EDI	SZ	41	EP	1		01:49	00.46		HLM	SZ	529	EP	3		18:27	03.82		
PGB	SZ	58	EP	2	C	01:49	03.47		HLM	SZ	529	ES	3		18:27	56.68		
PGB	SN	58	ES	2		01:49	10.84		HTR	SZ	579	EP	2		18:27	09.37		
PGB	SN	58				01:49	11.79	22	0.71	SBD	SZ	527	EP	2		18:27	02.59	
PCA	SZ	57	EP	3		01:49	03.24		ELO	SZ	502	ES	3		18:27	47.37		
PCA	SZ	57	ES	3		01:49	10.87		SSP	SZ	549	EP	2		18:27	05.40		
PMS	SZ	70	EP	3		01:49	05.19		SSP	SN	549	ES	3		18:27	58.50		
PMS	SZ	70	ES	3		01:49	14.14		SSP	SN	549				18:28	01.56	25 0.62	
PGB	SE	58				01:49	18.28	17	0.51	WCB	SN	582				18:28	59.44	
PCO	SZ	27	IP	1	C	01:48	58.17		WCB	SZ	566	EP	2		18:28	03.97	23 0.31	
PCO	SZ	27	ES	2		01:49	02.26		WME	SZ	566	ES	3		18:28	04.77	24 0.70	
August	28	1992	Time:	18:37	51.3	UTC	Magnitude: 2.9 ML	August	28	1992	Time:	18:57	46.5	UTC	Magnitude: 1.0 ML			
Lat:	60.068N		Lon:	6.156E			Depth: 1.0 km	Lat:	52.715N		Lon:	4.183W		Depth: 12.2 km				
Grid Ref:	853.18 kmE	1159.39 kmN					RMS: 0.08 secs	Grid Ref:	252.57 kmE	315.27 kmN			RMS: 0.16 secs					
Locality:	NORWEGIAN COAST						Quality: C	Locality:	BARMOUTH, GWYNNEDD				Quality: C					
Comments:	OFTSHORE LOCATION						STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI									
LRW	SN	408	ES	2		18:39	30.34		WPM	SZ	547	ES	2		18:27	56.13		
LRW	SN	408				18:39	32.41	17	0.86	YLL	SZ	569	EP	2		18:27	07.39	
LRW	SE	408				18:39	36.35	10	0.21	YLL	SZ	569	ES	3		18:28	00.91	
LRW	SZ	408	EP	2		18:38	48.43		YRE	SZ	593	EP	2		18:27	10.57		
YEL	SZ	404	EP	2		18:38	48.08		YRH	SZ	613	EP	2		18:27	13.23		
YEL	SZ	404	ES	3		18:39	29.28		YRH	SZ	613	ES	4		18:28	12.41		
WME	SZ	76	ES	3		18:58	07.62		WIM	SZ	563	EP	2		18:27	06.60		
WLF	SZ	66	ES	3		18:58	04.67		WCB	SZ	582	EP	2		18:27	09.13		
YRC	SZ	65	ES	2		18:58	05.63		BHH	SZ	454	EP	3		18:26	53.04		
YLL	SZ	47	ES	3		18:58	00.21		BHH	SN	454	ES	3		18:27	37.73		
YRE	SZ	34	IP	1	D	18:57	52.65		BHH	SZ	454				18:27	39.95	74 0.18	
YRH	SZ	33	IP	1	D	18:57	52.30		BHH	SE	481	EP	2		18:27	40.97	48 0.25	
YRH	SZ	33	ES	3		18:57	56.35		BBQ	SZ	460	EP	2		18:26	53.88		
August	29	1992	Time:	04:26	44.8	UTC	Magnitude: 1.6 ML	BBQ	SZ	460	ES	3						
Lat:	52.970N		Lon:	4.382W			Depth: 22.0 km	BBQ	SZ	436	EP	2		18:26	50.93			
Grid Ref:	240.07 kmE	344.04 kmN					RMS: 0.08 secs	BBQ	SZ	439	EP	2		18:26	51.43			
Locality:	LLEYN PENINSULA						Quality: A	BBQ	SZ	507	EP	4		18:26	48.30			
Comments:	LLEYN AFTERSHOCK							BNS	SZ	507	ES	4		18:27	48.50			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	BNS	SZ	392	EP	2		18:26	46.40	
WCB	SN	47				04:27	00.98	26	0.32	BNS	SZ	392	ES	3		18:27	23.50	
WCB	SE	47	ES	2		04:26	58.93		WTS	SZ	392	EP	2		18:27	06.00		
WCB	SE	47				04:26	59.85	31	0.27	WTS	SZ	392	ES	3		18:27	47.00	
WME	SZ	48	IP	1	D	04:26	53.25		ENN	SZ	497	EP	4		18:27	04.13		
WLF	SZ	36	IP	1	C	04:26	51.51		PGB	SZ	537	EP	3		18:27	55.89		
WLF	SZ	36	ES	3		04:26	56.26		PGB	SN	537	ES	3		18:27	01.03		
YRC	SZ	34	IP	1	D	04:26	51.39		PGB	SN	537				18:28	34.28	60 0.69	
YRC	SZ	34	ES	3		04:26	56.09		PCB	SZ	516	EP	3		18:27	07.81	72 0.56	
WPM	SZ	45	IP	1	C	04:26	52.98		PCB	SZ	516				18:28	21.81	31 1.19	
WPM	SZ	45	ES	2		04:26	58.53		EDI	SE	458				18:28	03.20		
YRE	SZ	3	IP	1	D	04:26	48.49		WCB	SE	582	ES	3		18:28	46.50		
								XAL	SZ	392	EP	3		18:26	58.82			
								XDE	SZ	479	EP	3		18:26	46.28			
								XSO	SZ	393	EP	2		18:26	25.32			
								XSO	SZ	393	ES	3		18:27	53.30			
								ECK	SZ	449	EP	3		18:26	55.71	34 0.51		
								ESK	SN	453				18:27				

**PHASE DATA : 1992**

TABLE 5 (cont'd)

## PHASE DATA : 1992

TABLE 5 (cont'd)

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KSB	SZ	22	ESG	3		10:23	51.54			EBL	SZ	478	EP	1		00:17	39.71		
September 11 1992			Time: 00:24	31.5	UTC		Magnitude: 1.0 ML			ESY	SZ	449	EP	2		00:17	36.06		
Lat: 51.680N			Lat: 3.726W				Depth: 14.7 km			EAB	SZ	547	EP	2		00:17	48.37		
Grid Ref: 280.66 kmE			199.38 kmN				RMS: 0.06 secs			EBH	SZ	495	EP	2		00:17	42.20		
Locality: NEATH, WEST GLAMORGAN			Comments: 7KM NW OF NEATH				Quality: C			EDU	SZ	461	EP	2		00:17	37.62		
										ELO	SZ	504	EP	2		00:17	42.82		
										EDI	SZ	484	EP	2		00:17	40.45		
September 11 1992			Time: 13:54	7.3	UTC		Magnitude: 0.4 ML			September 18 1992			Time: 00:18	52.9	UTC		Magnitude: 1.3 ML		
Lat: 57.679N			Lat: 5.513W				Depth: 6.3 km			Lat: 52.723N			Lat: 1.985W				Depth: 0.5 km		
Grid Ref: 190.58 kmE			870.80 kmN				RMS: 0.02 secs			Grid Ref: 401.04 kmE			313.93 kmN				RMS: 0.39 secs		
Locality: LOCH MAREE, HIGHLAND			Comments: C/F				Quality: C			Locality: CANNOCK, STAFFORDSHIRE			Comments: C/F				Quality: C		
										STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	SSP	SZ	84	EP	3		00:19	07.55		
KPL	SN	39	EPG	3		13:54	14.29			SSP	SE	84	ES	3		00:19	18.43		
KBK	SZ	53	EPG	3		13:54	16.36			HAE	SZ	85	ES	3		00:19	18.76		
KAC	SZ	24	IP	1	C	13:54	11.88			HCG	SZ	122	ES	2		00:19	27.52		
KAC	SZ	24	ESG	3		13:54	15.19			HGH	SZ	133	EP	3		00:19	15.64		
KAC	SZ	24				13:54	15.26	14	0.28	LBO	SZ	145	EP	2		00:19	16.91		
September 13 1992			Time: 01:34	44.2	UTC		Magnitude: 0.2 ML			LLO	SZ	131	EP	2		00:19	15.11		
Lat: 57.490N			Lat: 5.481W				Depth: 6.9 km			LLO	SZ	131	ES	3		00:19	31.45		
Grid Ref: 191.38 kmE			849.72 kmN				RMS: 0.04 secs			LBO	SZ	145	ES	3		00:19	34.74		
Locality: STRATHCARRON, HIGHLAND			Comments: C/F				Quality: C			HTR	SZ	113	ES	3		00:19	25.55		
										CWF	SZ	46	EP	3		00:19	01.67		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	CWF	SN	46	ES	2		00:19	07.75		
KPL	SZ	20	IP	2	C	01:34	48.08			CWF	SN	46				00:19	08.93	43	0.83
KPL	SZ	20	EPG			01:34	48.06			CWF	SE	46				00:19	08.28	19	0.49
KPL	SN	20				01:34	51.20	12	0.16	KWE	SZ	34	EP	2		00:18	58.81		
KPL	SE	20	ESG	2		01:34	51.00			KWE	SZ	34	ES	3		00:19	04.47		
KPL	SE	20				01:34	51.21	11	0.13	KBI	SZ	67	EP			00:19	04.41		
KBK	SZ	31	EPG	3		01:34	50.07			KBI	SZ	67	ES	3		00:19	14.19		
KBK	SZ	31	ESG	3		01:34	54.13												
KAC	SZ	11	IP	2	C	01:34	46.74												
KAC	SZ	11	ESG	3		01:34	48.57												
September 13 1992			Time: 06:38	41.1	UTC		Magnitude: 2.2 ML			September 19 1992			Time: 18:20	47.7	UTC		Magnitude: 0.9 ML		
Lat: 52.617N			Lat: 0.608W				Depth: 3.5 km			Lat: 56.363N			Lat: 5.721W				Depth: 3.5 km		
Grid Ref: 494.24 kmE			303.12 kmN				RMS: 0.18 secs			Grid Ref: 170.18 kmE			725.23 kmN				RMS: 0.07 secs		
Locality: KETTON, LEICESTERSHIRE			Comments: C/F				Quality: C			Locality: MULL, STRATHCLYDE			Comments: C/F				Quality: C		
										STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	PGB	SZ	99	EP	3		18:21			
LHO	SZ	133	EP	2		06:39	03.09			PMS	SZ	84	EP	3		18:21	01.69		
CWF	SZ	49	EP	1		06:38	49.81			PMS	SZ	84	ES	2		18:21	12.11		
CWF	SN	49	ES	3		06:38	55.68			PGB	SN	99				18:21	17.20	2	0.14
CWF	SN	49				06:38	56.10	159	0.18	PGB	SE	99	ES	3		18:21	16.09		
CWF	SE	49				06:38	56.11	89	0.18	PGB	SE	99				18:21	17.08	4	0.18
KSY	SZ	39	EP	1		06:38	48.28												
KSY	SZ	39	ES	3		06:38	52.82												
KUF	SZ	15	IP		D	06:38	44.03												
MCH	SN	177	ES	2		06:39	29.62												
MCH	SN	177				06:39	30.56	25	0.40										
MCH	SE	177				06:39	31.62	27	0.21										
MCH	SZ	177	EP	3		06:39	09.01												
HAE	SZ	147	EP	3		06:39	04.82												
HAE	SZ	147	ES	3		06:39	20.73												
HLM	SZ	155	ES	3		06:39	23.75												
September 16 1992			Time: 09:55	36.2	UTC		Magnitude: 1.3 ML												
Lat: 49.597N			Lat: 2.978W				Depth: 7.2 km												
Grid Ref: 329.36 kmE			-33.12 kmN				RMS: 0.11 secs												
Locality: GUERNSEY, CHANNEL ISLES			Comments: 30KM NW OF GUERNSEY				Quality: D												
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	ECK	SZ	75	EPG	2		08:11	44.08		
JSA	SZ	74	ES	3		09:55	57.81			ECK	SZ	75	ESG	3		08:11	53.06		
JVM	SZ	70	EP	3		09:55	48.00			GAL	SZ	46	EPG	3		08:11	39.66		
JVM	SZ	70	ES	3		09:55	56.82			GAL	SN	46	ESG	3		08:11	45.17		
JVM	SZ	70				09:55	57.62	6	0.09	GAL	SN	46				08:11	45.60	14	0.24
JQS	SZ	81	EP	3		09:55	49.81			GAL	SE	46				08:11	45.81	7	0.25
JQE	SZ	81	EP	2		09:55	50.15			BBO	SZ	50	IPG	1	C	08:11	40.31		
JQE	SZ	81	ES	3		09:55	59.97			BTA	SZ	88	EPG	3		08:11	47.04		
JQE	SZ	81				09:56	00.92	16	0.22	CKE	SZ	62	EPG	3		08:11	42.53		
JQW	SZ	80	EP	2		09:55	49.90			CSF	SZ	61	EPG	3		08:11	41.89		
September 17 1992			Time: 00:16	34.3	UTC		Magnitude: 2.9 ML			GIM	SZ	59	IPG	1	D	08:11	41.59		
Lat: 56.734N			Lat: 4.486E				Depth: 5.0 km			GIM	SN	59				08:11	51.04	10	0.11
Grid Ref: 796.43 kmE			779.00 kmN				RMS: 0.25 secs			GIM	SE	59	ESG	3		08:11	49.22		
Locality: CENTRAL NORTH SEA			Comments: C/F				Quality: D			GIM	SE	59				08:11	49.35	9	0.20
										GCD	SZ	13	IPG	1	C	08:11	34.86		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	XDE	SZ	44	IPG	1	D	08:11	39.24		
XAL	SZ	469	EP	3		00:17	38.01			BBH	SZ	82	EPG	2		08:11	45.59		
XSO	SZ	442	EP	2	D	00:17	35.29												
ECK	SZ	506	EP	3		00:17	42.68												
ESK	SZ	505	EP	3		00:17	42.62												
ESK	SN	505	EP	3		00:18	45.42	12	1.18										
ESK	SE	505	ES	4		00:18	35.89												
ESK	SE	505				00:18	39.36	10	0.89										
September 20 1992			Time: 09:58	9.4	UTC		Magnitude: 0.9 ML												
Lat: 56.823N			Lat: 6.253W				Depth: 4.8 km												
Grid Ref: 140.54 kmE			778.24 kmN																

PHASE DATA : 1992

TABLE 5 (cont'd)

PCA	SZ	127	ES	3	09:42	41.58		BTA	SE	192	ES	3	05:11	36.50			
PMS	SZ	101	EP	2	C	09:42	23.63	BTA	SE	192			05:11	43.60	29	0.57	
PMS	SZ	101	ES	3		09:42	34.88	BWH	SZ	130	EP	2	05:11	06.19			
PCO	SZ	104	EP	2	C	09:42	23.89	BWH	SZ	130	ES	3	05:11	20.59			
PCO	SZ	104	ES	3		09:42	36.19	BBH	SZ	163	EP	2	05:11	10.66			
<b>October 25 1992</b>		<b>Time: 21:33 51.3 UTC</b>				<b>Magnitude: 1.5 ML</b>		KPL	SN	142			05:11	30.84	22	0.33	
Lat: 56.143N		Lon: 3.939W				Depth: 2.4 km		KPL	SE	142	ES	3	05:11	24.49			
Grid Ref: 279.54 kmE 696.15 kmN		RMS: 0.09 secs				Quality: B		KPL	SE	142			05:11	26.28	46	0.66	
Locality: STIRLING, CENTRAL		Comments: FELT BRIDGE OF ALLAN				Intensity: 3+		KNR	SZ	74	IP	3	D	05:10	57.43		
STAT CO DIST PHAS WT P HrMn		SECS AMPL PERI				KNR		KNR	SZ	74	EP	3	05:10	57.41			
EAU	SZ	45	EP	2		21:33	59.41	KNR	SZ	74	ES	2	05:11	06.08			
EAU	SZ	45	ES	3		21:34	05.46	KAR	SZ	107	EP	3	05:11	02.59			
EBL	SZ	69	EP	2	D	21:34	03.25	KAR	SZ	107	ES	3	05:11	15.07			
EBL	SZ	69	ES	3		21:34	11.58	KSB	SZ	123	EP	1	C	05:11	05.29		
EAB	SZ	25	IP	1	C	21:33	56.02	KSB	SZ	123	ES	3	05:11	19.50			
EBH	SZ	29	IP	1	C	21:33	56.71	KAC	SZ	152	EP	3	05:11	08.68			
EBH	SZ	29	ES	2		21:34	00.63	KAC	SZ	152	ES	3	05:11	27.83			
EDU	SZ	73	EP	2		21:34	03.78	PGB	SZ	43	EP	2	D	05:10	52.65		
EDU	SZ	73	ES	3		21:34	12.80	PGB	SN	43	ES	3	05:10	57.66			
ELO	SZ	39	IP	1	D	21:33	58.36	PCA	SZ	61	EP	2	C	05:10	55.25		
ELO	SZ	39	ES	3		21:34	03.56	PMS	SZ	36	IP	3	D	05:10	51.42		
EDI	SZ	53	EP	3		21:34	00.10	PMS	SZ	36	ES	3	05:10	55.82			
EDI	SN	53	ES	3		21:34	07.52	PCO	SZ	46	IP	C	05:10	53.02			
EDI	SN	53				21:34	08.73	14		0.24							
EDI	SE	53				21:34	08.88	19		0.26							
PGB	SZ	50	EP	2	C	21:34	00.27	<b>October 30 1992</b>		<b>Time: 17:34 15.0 UTC</b>		<b>Magnitude: 2.5 ML</b>					
PGB	SN	50	ES	2		21:34	06.67	Lat: 49.676N	Lon: 9.106W								
PCA	SZ	53	EP	2	C	21:34	00.64	Grid Ref: -112.46 kmE -0.61 kmN									
PMS	SZ	60	EP	3		21:34	01.35	Locality: SCILLY ISLES, CORNWALL									
PMS	SZ	60	ES	3		21:34	09.50	Comments: 220KM SW OF SCILLY ISLES									
PCO	SZ	20	IP		D	21:33	55.13	STAT CO DIST PHAS WT P HrMn									
PCO	SZ	20	ES	3		21:33	58.01	CR2	SZ	288	EP	2	17:34	56.82			
BHH	SZ	125	EP	3		21:34	12.42	CR2	SN	288			17:35	27.40			
BHH	SZ	125	ES	3		21:34	27.08	CR2	SN	288			17:35	28.66	13	0.24	
BWH	SZ	109	EP	3		21:34	09.55	CR2	SE	288			17:35	31.10	12	0.24	
BWH	SZ	109	ES	3		21:34	22.67	CGH	SZ	286	EP	3	17:34	55.98			
KPL	SN	170				21:34	40.52	CCO	SZ	286	ES	3	17:35	27.67			
KPL	SE	170	ES	3		21:34	38.30	CCA	SZ	284	EP	2	17:34	56.41			
KPL	SE	170				21:34	40.98	CBW	SZ	292	EP	3	17:34	57.34			
KPL	SZ	170	EP	3		21:34	19.07	CBW	SZ	292	ES	3	17:35	27.63			
KNR	SZ	99	EP	3		21:34	07.76	CTR	SE	289	EP	3	17:34	56.77			
KNR	SZ	99	ES	3		21:34	20.36	CME	SZ	287	EP	2	17:34	56.70			
KSB	SZ	150	EP	3		21:34	15.39	CPZ	SZ		EP	2	17:34	52.51			
KSB	SZ	150	ES	3		21:34	33.28	<b>November 4 1992</b>		<b>Time: 04:20 2.0 UTC</b>		<b>Magnitude: 3.2 ML</b>					
<b>October 25 1992</b>		<b>Time: 22:16 25.7 UTC</b>				Lat: 65.218N		Lon: 0.760E		Depth: 20.0 km		RMS: 0.26 secs		Quality: D			
Lat: 65.218N		Grid Ref: 529.02 kmE 1708.01 kmN				Locality: NORGEGIAN SEA		STAT CO DIST PHAS WT P HrMn		SECS AMPL PERI		STAT CO DIST PHAS WT P HrMn		SECS AMPL PERI			
Locality: NORGEGIAN SEA		Comments: FELT BRIDGE OF ALLAN				LRW		LRW	SN	279	D	04:21	16.85	48	0.96		
STAT	CO	DIST	PHAS	WT	P	HrMn		LRW	SE	279	ES	1	04:21	09.38			
MOL	SZ	445	EP	1		22:17	24.61	LRW	SE	279			04:21	12.60	29	0.52	
MOL	SZ	445	ES	2		22:18	07.63	LRW	SZ	279	EP	2	04:20	41.15			
KMY	SZ	709	EP	1		22:17	56.32	SAN	SZ	292	EP	2	04:20	42.37			
KMY	SZ	709	ES	3		22:19	03.23	SAN	SZ	292	ES	2	04:21	10.89			
HYA	SZ	528	EP	3		22:17	33.62	WAL	SZ	285	EP	2	04:20	43.80			
KMY	SZ	709	ES	2		22:19	01.50	WAL	SZ	285	ES	2	04:21	10.52			
LRW	SN	575				22:18	39.65	YEL	SZ	241	IP	3	04:20	36.13			
LRW	SE	575	ES	2		22:18	35.80	YEL	SZ	241	ES	3	04:21	00.92			
LRW	SE	575				22:18	39.86	MCD	SN	583	ES		04:22	13.66			
LRW	SZ	575	EP	1		22:17	40.65	MCD	SN	583			04:22	15.87	38	0.71	
SAN	SZ	589	EP	2		22:17	42.56	MCD	SE	583	ES		04:22	24.47	49	1.04	
SAN	SZ	589	ES	3		22:18	38.13	MME	SZ	601	ES	3	04:22	18.69			
WAL	SZ	566	EP	2		22:17	39.44	MVH	SZ	580	ES	2	04:22	12.83			
WAL	SZ	566	ES	2		22:18	33.81	MLA	SZ	517	ES	3	04:21	58.14			
YEL	SZ	529	IP		D	22:17	35.26	MFI	SZ	553	ES	2	04:22	07.87			
YEL	SZ	529	ES	2		22:18	25.08	BER	SZ	248	ES	3	04:21	02.77			
<b>October 30 1992</b>		<b>Time: 05:10 44.9 UTC</b>				<b>Magnitude: 2.2 ML</b>		ASK	SZ	235	EP	2	04:20	35.43			
Lat: 56.166N		Lon: 4.755W				Depth: 6.4 km		HYA	SZ	232	EP	2	04:20	34.62			
Grid Ref: 228.92 kmE 700.39 kmN		RMS: 0.15 secs				Quality: C		HYA	SZ	232	ES	3	04:20	59.05			
Locality: ARROCHAR, STRATHCLYDE		Comments: C/F				SUB		SUB	SZ	174	EP	2	04:20	27.43			
STAT	CO	DIST	PHAS	WT	P	HrMn		SUE	SZ	174	ES	3	04:20	46.30			
EAU	SZ	89	IP	1	C	05:10	59.74	KMY	SZ	355	EP	2	04:20	50.03			
EBL	SZ	115	EP	2	C	05:11	03.68	KMY	SZ	355	ES	3	04:21	25.26			
ESY	SZ	136	EP	2		05:11	07.21	STAT CO DIST PHAS WT P HrMn									
EAB	SZ	26	IP	1	C	05:10	49.97	EAB	SZ	41	EP	2	12:40	33.80			
EBH	SZ	78	EP	2		05:10	57.98	EAB	SZ	41	ES	3	12:40	39.16			
ELO	SZ	73	EP	2		05:10	57.13	EWH	SZ	19	EP	2	12:40	29.97			
EDI	SE	102				05:11	16.39	ELO	SZ	40	EP	2	12:40	33.46			
EDI	SN	102	ES			05:11	13.20	ELO	SZ	40	ES	3	12:40	38.53			
EDI	SN	102				05:11	16.42	EDI	SZ	38	EP	3	12:40	33.09			
EDI	SN	102	EP	2		05:11	01.61	EDI	SN	38			12:40	45.31	17	0.87	
EDI	SZ	102				05:11	09.43	EDI	SE	38			12:40	44.56</td			

## PHASE DATA : 1992

TABLE 5 (cont'd)

November 4 1992	Time: 19:18 27.3 UTC	Magnitude: -0.3 ML	ESK	SE	86	ES	3	17:40	16.94		
Lat: 50.110N	Lon: 5.177W	Depth: 7.3 km	ESK	SZ	86	EPG	3	17:40	19.28	98	0.21
Grid Ref: 172.86 kmE	28.23 kmN	RMS: 0.01 secs	ESK	SZ	100	IP	1	17:40	06.91		
Locality: CONSTANTINE, CORNWALL		Quality: B	XAL	SZ	136	EPG	3	17:40	09.82		
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI		XSO	SZ	136	EPG	3	17:40	14.76		
CME SE 7 ES	30.50		ECK	SZ	75	EP	3	17:40	04.83		
CR2 SN 6 ES	19:18	30.26	ECK	SZ	75	ESG	3	17:40	14.41		
CR2 SN 6	19:18	30.32	EDI	SZ	151	EP	4	17:40	17.13		
CR2 SE 6	19:18	30.33	LCP	SZ	145	EP	4	17:40	16.91		
CGH SZ 7 ES 2	19:18	30.33	PCA	SZ	128	EP	3	17:40	13.71		
CCO SZ 3 ES	19:18	29.75	PCA	SZ	128	ES	3	17:40	28.80		
CST SZ 10 ES 2	19:18	30.95	PMS	SZ	154	EP	3	17:40	17.05		
CBW SZ 6 EP 2	19:18	29.00	GAL	SN	72	ES	3	17:40	12.79		
CBW SZ 6 ES 2	19:18	30.24	GAL	SN	72			17:40	13.63	98	0.13
			GAL	SE	72			17:40	15.06	30	0.14
November 5 1992	Time: 22:17 24.7 UTC	Magnitude: 1.2 ML	PCO	SZ	157	EP	3	17:40	18.20		
Lat: 53.028N	Lon: 1.185W	Depth: 5.0 km	GIM	SZ	60	EP	2	17:40	02.51		
Grid Ref: 454.63 kmE	348.18 kmN	RMS: 0.11 secs	BBO	SN	33	ES	3	17:40	02.73		
Locality: HUCKNALL, NOTTS		Quality: D	BBO	SZ	33			17:40	04.78	73	0.26
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI		BBO	SE	33			17:40	03.69	67	0.13
CWF SZ 33 EP 2	22:17	30.96	LMI	SN	49	ES	2	17:40	07.26		
CWF SN 33 ES 3	22:17	35.13	LMI	SN	49			17:40	11.33	41	0.30
CWF SN 33	22:17	41.44	LMI	SE	49			17:40	09.32	40	0.22
CWF SE 33	22:17	40.90	GIM	SN	60	ES	2	17:40	10.56		
KSY SZ 41 EP 2	22:17	32.00	GIM	SN	60			17:40	13.05	36	0.20
KWE SZ 44 EP 3	22:17	32.03	GIM	SE	60			17:40	11.79	31	0.13
KWE SZ 44 ES 3	22:17	38.37									
November 6 1992	Time: 21:46 30.2 UTC	Magnitude: 0.7 ML	November 8 1992	Time: 19:12 34.6 UTC	Magnitude: 4.7 ML						
Lat: 50.111N	Lon: 5.185W	Depth: 6.7 km	Lat: 61.877N	Lon: 2.937E	Depth: 31.4 km						
Grid Ref: 172.34 kmE	28.34 kmN	RMS: 0.03 secs	Grid Ref: 659.40 kmE	1342.80 kmN	RMS: 0.32 secs						
Locality: CONSTANTINE, CORNWALL		Quality: B	Locality: NORTHERN NORTH SEA		Quality: D						
Comments: FELT MORE,NORWAY			Comments: FELT MORE,NORWAY		Intensity: 2+						
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI		STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI							
CR2 SZ 6 IP C	21:46	31.87	KONO SZ 440 ES 3	19:14	14.10						
CR2 SN 6 ES	21:46	33.09	SUE SZ 133 IP	D	19:12						
CR2 SN 6	21:46	33.19	BER SZ 210 IP	C	19:13						
CR2 SE 6	21:46	33.20	ASK SZ 197 IP		02.00						
CST SZ 10 IP C	21:46	32.26	FOO SZ 116 IP 2	D	19:12						
CTR SZ 6 EP	21:46	31.83	FOO SZ 116 ES 3		04.10						
CME SN 7 ES	21:46	33.32	HYA SZ 190 EP 2		03.30						
CBW SZ 7 IP C	21:46	31.83	MOL SZ 252 EP 1		08.90						
CGH SZ 7 ES 2	21:46	33.18	KMY SZ 323 IP	C	19:13						
CCO SZ 3 EP D	21:46	31.56	KMY SZ 323 ES 3		48.30						
CCA SZ 9 IP D	21:46	32.19	ODD1 SZ 297 IP 1	D	19:13						
CCA SZ 9 ES 2	21:46	33.60	ODD1 SZ 297 ES 3		44.30						
			ESK SN 813	4	19:15						
November 8 1992	Time: 17:39 52.3 UTC	Magnitude: 2.0 ML	ESK SE 813 ES 4		33.09						
Lat: 54.598N	Lon: 3.704W	Depth: 8.9 km	ESK SE 813	4	19:15						
Grid Ref: 289.92 kmE	523.94 kmN	RMS: 0.22 secs	ESK SZ 813 EP 4		39.33						
Locality: WHITEHAVEN, CUMBRIA		Quality: B	XSO SZ 772 EP 4		17.10						
Comments: OFFSHORE LOCATION			XSO SZ 772 ES 4		12.59						
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI		ELO SZ 712 EP 4		23.18						
GCD SZ 33 IP D	17:39	58.59	EDR SZ 634 EP 4		04.82						
GCD SZ 33 ES 3	17:40	02.68	EDR SZ 634 ES 4		55.09						
XDE SZ 17 IP D	17:39	56.08	EDI SZ 751 EPN 4		54.37						
XDE SZ 17 ES 3	17:39	58.47	EDI SN 751 ES 4		09.63						
CKE SZ 39 IP 1 C	17:39	59.31	EDI SN 751		20.92						
CKE SZ 39 ES 2	17:40	04.38	EDI SE 751		24.03						
CSF SZ 34 IP D	17:39	58.64	EAU SZ 766 EP 4		116						
CSF SZ 34 ES 2	17:40	02.61	EBL SZ 763 EPN 4		0.66						
CDU SZ 44 IP D	17:40	00.22	EAB SZ 759 EP 4		108						
CDU SZ 44 ES 2	17:40	05.39	EDU SZ 684 EP 4		0.24						
LMI SZ 49 IP D	17:40	01.21	MCD SN 592		373						
WCB SE 147 ES 4	17:40	33.20	MCD SE 592 ES 4		0.46						
WME SZ 139 EP 3	17:40	14.72	MCD SE 592								
WLF SZ 153 EP 3	17:40	16.32	MDO SZ 643 EP 4								
YRC SZ 161 EP 3	17:40	17.22	MME SZ 608 EP 4								
WPM SZ 150 EP 2	17:40	15.82	MME SZ 608 ES 4								
WPM SZ 150 ES 3	17:40	32.71	MVH SZ 594 EP 2								
WIM SZ 81 EP 2	17:40	06.14	MVH SZ 594 ES 4								
WCB SZ 147 EP 3	17:40	15.52	MLA SZ 530 EP 1	C							
BHH SZ 63 IPG 1 C	17:40	03.22	MLA SZ 530 ES 2								
BHH SN 63 ESG 3	17:40	10.82	MFI SZ 559 EP 1								
BHH SN 63	17:40	14.59	EDU SZ 684 ES 4								
BHH SE 63	17:40	11.56	SAN SZ 307 IPN 3	D							
BNA SZ 41 IPG 1 D	17:39	59.69	SAN SZ 307 ES 3								
BNA SZ 41 ESG 3	17:40	04.48	WAL SZ 305 IPN 3	D							
BBO SZ 33 IP C	17:39	58.34	WAL SZ 305 ES 3								
BTA SZ 74 EP 2	17:40	05.10	YEL SZ 262 IPN 3	D							
BTA SN 74 ES 3	17:40	13.66	YEL SZ 262 ES 3								
BTA SN 74	17:40	16.74	LRW SZ 295 EP 3								
BTA SE 74	17:40	17.88	LRW SZ 295 ES 3								
BWH SZ 64 IPG 1 D	17:40	03.66									
BWH SZ 64 ESG 2	17:40	11.05									
BBH SZ 78 IPG 2 C	17:40	05.55									
BDL SZ 54 IPG 1 C	17:40	01.85									
EAU SZ 140 EP 3	17:40	15.08									
EBL SZ 137 EP 3	17:40	14.94									
LRN SZ 126 EP 2	17:40	13.66									
GAL SZ 72 EP 3	17:40	04.60									
ESK SN 86	17:40	19.10	141 0.21								
November 8 1992	Time: 19:42 7.9 UTC	Magnitude: 1.3 ML									
Lat: 50.335N	Lon: 6.152W	Depth: 1.0 km									
Grid Ref: 104.61 kmE	56.71 kmN	RMS: 0.05 secs									
Locality: SCILLY ISLES, CORNWALL		Quality: D									
Comments: NE OF SCILLY ISLES											
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI										
CR2 SZ 73 EP 2 C	19:42	20.61									

**PHASE DATA : 1992**

**TABLE 5 (cont'd)**

CR2	SN	73	ES		19:42	29.87				HTR	SZ	36	IP	C	01:54	27.19			
CR2	SN	73		2	19:42	31.58	11	0.08		HTR	SZ	36	ES	3	01:54	31.71			
CR2	SE	73			19:42	31.60	13	0.07		HLM	SZ	28	EP	1	01:54	25.08			
CCO	SZ	72	EP	2	19:42	20.55				HLM	SZ	28	ES	2	01:54	29.89			
CCO	SZ	72	ES	2	19:42	29.67													
CCA	SZ	68	EP	2	19:42	19.85													
CST	SZ	72	ES	3	19:42	29.96													
CBW	SZ	77	EP	2	19:42	21.34													
CBW	SZ	77	ES	2	19:42	31.09													
November 10 1992		Time: 00:52 52.4 UTC				Magnitude: 0.1 ML				November 17 1992		Time: 23:46 24.3 UTC				Magnitude: 0.3 ML			
Lat: 50.110N		Lon: 5.173W				Depth: 7.0 km				Lat: 49.083N		Lon: 2.348W				Depth: 8.9 km			
Grid Ref: 173.17 kmE 28.18 kmN						RMS: 0.01 secs				Grid Ref: 374.59 kmE -90.77 kmN						RMS: 0.08 secs			
Locality: CONSTANTINE, CORNWALL						Quality: B				Locality: JERSEY, CHANNEL ISLES						Quality: D			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CR2	SZ	6	EP			00:52	54.07			JRS	SZ	22	EP			23:46	28.56		
CR2	SN	6	ES			00:52	55.34			JRS	SZ	22	ES	3		23:46	31.52		
CR2	SN	6				00:52	55.40	13	0.02	JLP	SZ	25	EP	3		23:46	29.09		
CR2	SE	6				00:52	55.41	19	0.05	JSA	SZ	18	EP	2		23:46	27.96	42	0.15
CCO	SZ	3	ES			00:52	54.80			JVM	SZ	18	EP	2		23:46	27.89		
CST	SZ	10	ES			00:52	56.00			JVM	SZ	18	ES	3		23:46	30.65		
CBW	SZ	6	EP			00:52	54.03			JQW	SZ	18	EP	2		23:46	30.89	9	0.05
CTR	SN	6	ES			00:52	55.33			JQW	SZ	25	EP	3		23:46	28.89		
CBW	SZ	6	ES			00:52	55.25			JQW	SZ	25	ES	3		23:46	32.57		
CGH	SZ	7	ES	2		00:52	55.36			JQW	SZ	25				23:46	33.03	8	0.06
November 11 1992		Time: 06:31 59.2 UTC				Magnitude: 1.5 ML				November 20 1992		Time: 07:37 22.6 UTC				Magnitude: 1.8 ML			
Lat: 53.286N		Lon: 1.338W				Depth: 0.5 km				Lat: 53.463N		Lon: 1.223W				Depth: 0.1 km			
Grid Ref: 444.13 kmE 376.81 kmN						RMS: 0.44 secs				Grid Ref: 451.57 kmE 396.54 kmN						RMS: 0.24 secs			
Locality: CLOWNE, DERBYSHIRE						Comments: COLLAPSE TYPE				Locality: MALTBY, SOUTH YORKSHIRE		Comments: C/F				Quality: C			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
SBD	SZ	136	ES	2		06:32	38.90			HPK	SZ	61	EP	4		07:37	36.31		
HPK	SN	77				06:32	23.74	15	0.20	HPK	SN	61	ES	3		07:37	41.80		
HPK	SE	77	ES	3		06:32	22.57			LHO	SZ	43	EP	3		07:37	30.38		
HPK	SE	77				06:32	24.27	15	0.25	LHO	SZ	43	ES	3		07:37	37.17		
LHO	SZ	45	ES	3		06:32	13.76			KWE	SZ	65	EP	2		07:37	34.27		
MCH	SN	182	ES	2		06:32	50.32			KWE	SZ	65	ES	3		07:37	42.61		
MCH	SZ	182	EP	3		06:32	28.80			CWF	SN	81	ES	3		07:37	47.33		
KWE	SZ	45	EP	2		06:32	07.18			CWF	SN	81				07:37	53.30	39	0.60
KWE	SZ	45	ES	2		06:32	13.44			CWF	SE	81				07:37	52.21	47	0.71
November 12 1992		Time: 09:00 20.6 UTC				Magnitude: 1.8 ML				November 21 1992		Time: 04:15 9.5 UTC				Magnitude: 1.0 ML			
Lat: 53.261N		Lon: 2.413W				Depth: 3.1 km				Lat: 56.126N		Lon: 3.720W				Depth: 0.5 km			
Grid Ref: 372.43 kmE 373.83 kmN						RMS: 0.28 secs				Grid Ref: 293.10 kmE 693.93 kmN						RMS: 0.26 secs			
Locality: NORTHWICH, CHESHIRE						Comments: C/F				Locality: CLACKMANNAN, CENTRAL		Comments: C				Quality: C			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HPK	SZ	93	EP	3		09:00	36.20			EDI	SE	40	EP	2		04:15	17.11		
HPK	SN	93	ES	3		09:00	47.28			EDI	SE	40				04:15	27.25	27	0.86
HPK	SN	93				09:00	48.01	60	0.17	EAU	SZ	36	EP	2		04:15	16.33		
HPK	SE	93				09:00	47.67	43	0.32	EAU	SZ	36	ES	3		04:15	21.10		
LHO	SZ	49	IP	1	C	09:00	29.47			EBL	SZ	58	EP	3		04:15	19.86		
MCH	SN	146	ES	2		09:01	01.50			ESY	SZ	73	EP	3		04:15	23.21		
MCH	SN	146				09:01	02.31	14	0.35	EAB	SZ	39	EP	2		04:15	16.95		
MCH	SE	146				09:01	02.49	15	0.37	EAB	SZ	39	ES	3		04:15	22.13		
MCH	SZ	146	EP	3		09:00	43.85			EBH	SZ	19	EP	2		04:15	13.30		
SBD	SZ	69	EP	1	D	09:00	32.20			EBH	SZ	19	ES	3		04:15	16.45		
SBD	SZ	69	ES	2		09:00	41.46			ELO	SZ	38	EP	3		04:15	16.81		
HAE	SZ	136	EP	2		09:00	42.91			ELO	SZ	38	ES	3		04:15	22.73		
HCG	SZ	134	EP	2		09:00	42.53			BHH	SZ	119	EP	2		04:15	30.20		
HLC	SZ	89	ES	2		09:00	45.71			BHH	SZ	119	ES	3		04:15	44.06		
KWE	SZ	47	EP	3		09:00	29.34			BNA	SZ	129	EP	2		04:15	31.92		
KWE	SZ	47	ES	3		09:00	35.13			BNA	SZ	129	ES	3		04:15	47.46		
KWE	SZ	47				09:00	35.96	14	0.39	BBO	SZ	158	EP	3		04:15	36.09		
November 13 1992		Time: 09:24 32.0 UTC				Magnitude: 0.8 ML				BBO		Depth: 7.3 km				Depth: 7.3 km			
Lat: 50.113N		Lon: 5.180W				RMS: 0.02 secs				Comments: C		Comments: C				Comments: C			
Grid Ref: 172.69 kmE 28.61 kmN						Quality: C				November 23 1992		Time: 05:30 15.2 UTC				Magnitude: 2.1 ML			
Locality: CONSTANTINE, CORNWALL						Quality: C				Lat: 56.430N		Lon: 5.764W				Depth: 8.2 km			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	Grid Ref: 167.93 kmE 732.79 kmN		RMS: 0.32 secs				RMS: 0.32 secs			
CR2	SZ	6	EP			09:24	33.68			Locality: MULL, STRATHCLYDE		Comments: D				Quality: D			
CR2	SN	6	ES			09:24	34.90			KPL	SN	102	EP	3		05:30	47.38	34	0.15
CR2	SN	6				09:24	34.97	58	0.03	KPL	SE	102	ES	3		05:30	44.17		
CR2	SE	6				09:24	34.98	127	0.09	KPL	SE	102				05:30	46.79	52	0.28
CCO	SZ	3	EP			09:24	3												

**PHASE DATA : 1992**

**TABLE 5 (cont'd)**

## PHASE DATA : 1992

TABLE 5 (cont'd)

CR2	SN	6	ES		21:15	23.79			EAB	SZ	486	EP	1	05:24	13.73																			
CR2	SN	6			21:15	23.85	14 0.04		EBH	SZ	447	EP	1	05:24	08.97																			
CR2	SE	6		C	21:15	23.85	24 0.06		EDU	SZ	402	EP	1	05:24	03.55																			
CTR	SZ	6	IP		21:15	22.53			ELO	SZ	436	EP	1	05:24	07.70																			
CRA	SZ	6	IP	D	21:15	22.55			ELO	SZ	436	ES	1	05:24	50.10																			
CGH	SZ	7	IP	C	21:15	22.52			EDR	SZ	351	EP	1	05:23	57.40																			
CCO	SZ	3	IP	D	21:15	22.22			SUE	SZ	272	EP	3	05:23	47.03																			
CCO	SZ	3	ES	2	21:15	23.29			SUE	SZ	272	ES	3	05:24	15.06																			
CCA	SZ	9	IP	D	21:15	22.87			BER	SZ	250	EP	3	05:23	44.57																			
CST	SZ	10	IP	C	21:15	22.94			EGD	SZ	235	ES	3	05:24	07.64																			
CST	SZ	10	ES	2	21:15	24.47			ASK	SZ	249	EP	3	05:23	44.38																			
CBW	SZ	6	IP	C	21:15	22.51			ASK	SZ	249	ES	3	05:24	09.84																			
CBW	SZ	6	ES	2	21:15	23.73			HYA	SZ	337	EP	3	05:23	54.78																			
December 17 1992	Time:	05:02	30.9	UTC		Magnitude: 0.1 ML				HYA	SZ	337	ES	3	05:24	28.53																		
Lat: 50.109N	Lon:	5.178W				Depth: 7.0 km				FOO	SZ	328	EP	3	05:23	53.94																		
Grid Ref: 172.82 kmE	28.08 kmN					RMS: 0.02 secs				FOO	SZ	328	ES	3	05:24	26.59																		
<b>Locality: CONSTANTINE, CORNWALL</b>																																		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	ODD1	SZ	300	EP	3	05:23	51.38																		
CR2	SZ	7	IP		C	05:02	32.60			ODD1	SZ	300	ES	3	05:24	22.02																		
CR2	SN	7	ES	1		05:02	33.85			MOL	SZ	496	EP	3	05:24	15.53																		
CR2	SN	7				05:02	33.87	14 0.02		MOL	SZ	496	ES	3	05:25	03.60																		
CR2	SE	7				05:02	33.91	21 0.06		OSG	SZ	160	EP	3	05:23	34.44																		
CGH	SZ	7	IP		C	05:02	32.57			OSG	SZ	160	ES	4	05:23	53.92																		
CCO	SZ	3	IP		D	05:02	32.29			EDI	SN	464	ES	1	05:24	56.40																		
CCA	SZ	9	EP	2	D	05:02	32.93			EDI	SN	464			91 0.55																			
CST	SZ	10	IP		C	05:02	33.01			EDI	SE	464			95 1.18																			
CST	SZ	10	ES	2		05:02	34.53			MDO	SZ	398	EP	3	05:24	02.86																		
CBW	SZ	6	IP		C	05:02	32.57			MME	SZ	338	EP	1	05:23	55.41																		
CME	SZ	8	EP		C	05:02	32.72			MVH	SZ	361	EP	1	05:23	57.91																		
CME	SN	8	ES	2		05:02	34.05			MLA	SZ	299	EP	1	05:23	50.82																		
CTR	SZ	7	IP		C	05:02	32.59			MFI	SZ	286	IP	D	05:23	49.45																		
December 18 1992	Time:	16:00	14.1	UTC		Magnitude: 1.1 ML				EDI	SZ	464	EP	3	05:24	12.00																		
Lat: 51.943N	Lon:	3.436W				Depth: 14.9 km				BHH	SZ	543	EP	2	05:24	21.43																		
Grid Ref: 301.30 kmE	228.15 kmN					RMS: 0.11 secs				BHH	SN	543	ES	3	05:25	12.41																		
<b>Locality: BRECON, POWYS</b>																																		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	BNA	SZ	568	EP	2	05:24	24.71																		
MCH	SN	31	ES	2		16:00	24.04			BBO	SZ	579	EP	2	05:24	25.21																		
MCH	SN	31				16:00	24.25	33 0.07		BBO	SE	579	ES	2	05:25	21.74																		
MCH	SE	31				16:00	24.23	41 0.18		BTB	SZ	545	EP	2	05:24	21.45																		
MCH	SZ	31	IP		C	16:00	19.89			BWH	SZ	549	EP	2	05:24	22.41																		
HTR	SZ	19	EP	1		16:00	18.38			BBH	SZ	530	EP	1	05:24	19.71																		
HTR	SZ	19	ES	2		16:00	20.93			BDL	SZ	563	EP	1	05:24	22.91																		
HSA	SZ	54	EP	1		16:00	23.46			MCD	SZ	333	EP	1	05:23	54.75																		
HAE	SZ	62	EP	1		16:00	24.61			MCD	SN	333	ES	2	05:24	29.11																		
HAE	SZ	62	ES	3		16:00	32.22			MCD	SN	333			05:24 45.08 440 0.52																			
December 23 1992	Time:	18:39	14.9	UTC		Magnitude: 1.8 ML				LRW	SN	180	ES	1	05:23	56.42																		
Lat: 52.739N	Lon:	1.970W				Depth: 1.8 km				LRW	SN	180			05:23 58.21 990 0.48																			
Grid Ref: 402.05 kmE	315.71 kmN					RMS: 0.12 secs				LRW	SE	180			05:23 58.19 924 0.38																			
<b>Locality: RUGELEY, STAFFORDSHIRE</b>																																		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	WAL	SZ	208	EP	1	05:23	39.61																		
SSP	SZ	85	EP	3		18:39	29.06			WAL	SE	208	ES	2	05:24	01.66																		
SSP	SN	85	ES	2		18:39	39.93			YEL	SZ	205	EP	2	05:23	39.37																		
SSP	SN	85				18:39	46.88	14 0.46		YEL	SE	205	ES	4	05:24	04.33																		
SSP	SE	85				18:39	49.05	15 0.86		MCD	SE	333			05:24 51.53 575 0.77																			
HCG	SZ	124	EP	2		18:39	35.55			December 26 1992	Time:	05:50	25.8	UTC	Magnitude: 0.2 ML																			
HGH	SZ	135	EP	2		18:39	37.39			Lat: 53.462N	Lon:	4.275W			Depth: 15.7 km																			
HTR	SZ	115	EP	2		18:39	34.06			Grid Ref: 248.96 kmE	398.58 kmN				RMS: 0.04 secs																			
HTR	SZ	115	ES	3		18:39	47.78			<b>Locality: AMLWCH, GWYNEDD</b>																								
HPK	SN	137	ES	2		18:39	53.93			Comments: OFFSHORE LOCATION																								
HPK	SN	137				18:39	57.24	41 0.30		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI															
HPK	SE	137				18:39	57.50	52 0.39		WCB	SN	20	ES	2		05:50	32.86																	
SBD	SZ	89	EP	2		18:39	29.85			WCB	SN	20				05:50	33.19	11 0.27																
CWF	SZ	45	EP	2		18:39	22.96			WCB	SE	20				05:50	32.91	10 0.08																
CWF	SN	45	ES	2		18:39	29.01			WME	SZ	8	IP		C	05:50	28.73																	
CWF	SN	45				18:39	29.56	83 0.35		WME	SZ	8	ES	2		05:50	30.72																	
CWF	SE	45				18:39	32.28	42 0.57		WLF	SZ	21	EP	1	C	05:50	30.09																	
December 25 1992	Time:	21:54	46.9	UTC		Magnitude: 0.1 ML				YRC	SZ	31	IP	1	C	05:50	31.50																	
Lat: 54.786N	Lon:	3.215W				Depth: 9.0 km				WPM	SZ	34	EP	1	D	05:50	31.86																	
Grid Ref: 321.86 kmE	544.11 kmN					RMS: 0.02 secs				YLL	SZ	37	EP	1		05:50	32.36																	
<b>Locality: MEALSGATE, CUMBRIA</b>																YRE	SZ	55	EP	3		05:50	35.16											
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	YRH	SZ	74	EP	3		05:50	38.19																	
BHH	SN	34				21:54	58.59	3 0.18		WFB	SZ	88	EP	3		05:50	40.29																	
BHH	SE	34	ES	3		21:54	57.55		2 0.10	WIM	SZ	81	EP	2		05:50	39.08																	
BHH	SE	34				21:54	59.25		2 0.10	WCB	SZ	20	IP		C	05:50	30.05																	
BDL	SZ	18	EP	2	C	21:54	50.55			December 26 1992	Time:	17:05	59.8	UTC	Magnitude: 1.5 ML																			
BDL	SZ	18	ES	3		21:54	53.12			Lat: 51.810N	Lon:	1.525W			Depth: 9.4 km																			
BBO	SN	6	ES	2		21:54	50.36			Grid Ref: 432.73 kmE	212.53 kmN				RMS: 0.04 secs																			
BBO	SZ	6	EP	3		21:54	48.87</td																											

## PHASE DATA : 1992

## TABLE 5 (cont'd)

CWF	SN	104	ES	2	17:06	29.32		
CWF	SN	104			17:06	32.11	8	0.17
CWF	SE	104			17:06	31.75	11	0.19
KSY	SZ	143	EP	3	17:06	22.57		
KWE	SZ	136	ES	3	17:06	37.25		

December 27 1992	Time:	18:55	40.3	UTC	Magnitude:	0.5	ML
Lat: 56.994N	Lon:	5.741W			Depth:	3.7	km
Grid Ref: 172.78 kmE	795.39 kmN				RMS:	0.29	secs
Locality: LOCH NEVIS, HIGHLAND					Quality:	C	
STAT	CO	DIST	PHAS	WT	P	HrMn	
KPL	SZ	39	EP	3		18:55	47.95
KPL	SN	39				18:55	52.60
KPL	SE	39	ES	2		18:55	52.23
KPL	SE	39				18:55	52.32
KAR	SZ	10	EP	2	C	18:55	42.65
KAR	SZ	10	ES	3		18:55	43.97

December 30 1992	Time:	15:49	24.9	UTC	Magnitude:	2.2	ML
Lat: 56.378N	Lon:	4.459W			Depth:	2.2	km
Grid Ref: 248.15 kmE	723.30 kmN				RMS:	0.29	secs
Locality: BALQUHIDDER, CENTRAL					Quality:	C	
STAT	CO	DIST	PHAS	WT	P	HrMn	
EDI	SN	94	ES	3		15:49	52.77
EDI	SN	94				15:49	56.66
EDI	SE	94				15:49	56.88
EAU	SZ	86	EP	2		15:49	39.76
EBL	SZ	111	EP	2		15:49	43.95
ESY	SZ	126	EP	2		15:49	46.07
ESY	SZ	126	ES	3		15:50	00.83
EAB	SZ	22	IPG		C	15:49	29.21
EBH	SZ	61	EP	2	C	15:49	35.64
EDU	SZ	91	EP	2		15:49	40.51
ELO	SZ	47	IPG		C	15:49	33.31
ELO	SZ	47	ES	2		15:49	38.87
EDR	SZ	132	EP	3		15:49	46.51
EDI	SZ	94	EP	3		15:49	40.92
KPL	SN	129				15:50	04.46
KPL	SE	129	ES	3		15:50	01.87
KPL	SE	129				15:50	04.12
KPL	SZ	129	EP	2		15:50	46.60
KAR	SZ	104	EP	2	D	15:49	42.26
KAR	SZ	104	ES	3		15:49	55.35
KAC	SZ	135	EP	2	C	15:49	47.42
KAC	SZ	135	ES	3		15:50	03.23
BNA	SZ	166	EP	2		15:49	51.75
BNA	SZ	166	ES	3		15:50	10.68
BWH	SZ	143	EP	3		15:49	48.73
BWH	SZ	143	ES	3		15:50	04.50
BBH	SZ	169	EP	2		15:49	52.84
PCA	SZ	77	EP	2	D	15:49	38.21
PMS	SZ	62	EP	3		15:49	35.81
PMS	SZ	62	ES	3		15:49	42.95
PCO	SZ	49	IP		C	15:49	33.79
KNR	SZ	59	EP	2		15:49	34.81
PGB	SZ	63	IP	1	C	15:49	36.06
PGB	SN	63	ES	3		15:49	43.61
PGB	SN	63				15:49	45.98
PGB	SE	63				15:49	45.36
BHH	SZ	163	EP	3		15:49	51.54
BHH	SN	163	ES			15:50	10.73
BHH	SN	163				15:50	12.49
BHH	SE	163				15:50	69
BHH	SE	163				15:50	0.28

December 30 1992	Time:	17:13	37.2	UTC	Magnitude:	0.9	ML
Lat: 56.350N	Lon:	4.367W			Depth:	4.5	km
Grid Ref: 253.76 kmE	720.04 kmN				RMS:	0.25	secs
Locality: BALQUHIDDER, CENTRAL					Quality:	D	
STAT	CO	DIST	PHAS	WT	P	HrMn	
EAB	SZ	18	EP	3		17:13	40.44
EDU	SZ	86	EP	3		17:13	51.73
ELO	SZ	43	EP	3		17:13	44.60
ELO	SZ	43	ES	3		17:13	50.10
ELO	SZ	43				17:13	51.53
PCO	SZ	44	EP	2		17:13	44.99
PMS	SZ	61	EP	3		17:13	47.96
PMS	SZ	61	ES	3		17:13	55.23
PMS	SZ	61				17:13	55.36
EBH	SZ	54	EP	2		17:13	47.02

**TABLE 6**  
**DEPTH/CRUSTAL VELOCITY MODELS**

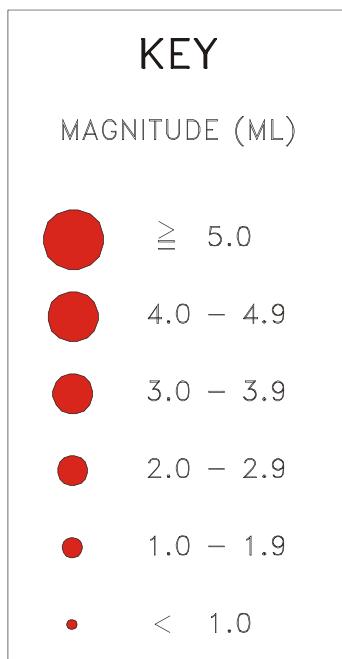


**TABLE 6**  
**Depth / crustal velocity models used in earthquake locations**

<b>Structural area</b>	<b>Depth to top of layer (km)</b>	<b>P-wave velocity (km/sec)</b>	<b>Vp/Vs</b>
<b>North Sea</b>	0.00	6.20	<b>1.73</b>
	12.00	6.50	
	23.00	7.10	
	31.00	8.05	
<b>Lownet and general UK</b>	0.00	4.00	<b>1.73</b>
	2.52	5.90	
	7.55	6.45	
	18.87	7.00	
	34.15	8.00	
<b>Borders</b>	0.00	4.10	<b>1.71</b>
	3.00	5.60	
	4.10	6.15	
	17.00	6.60	
	30.00	8.00	
<b>North Wales (Lleyn)</b>	0.00	5.40	<b>1.68</b>
	2.00	6.05	
	13.00	6.50	
	25.00	6.80	
	34.00	8.00	
<b>Mid Wales</b>	0.00	5.40	<b>1.72</b>
	3.80	6.05	
	15.50	6.65	
	34.30	8.00	
<b>Cornwall</b>	0.00	5.50	<b>1.77</b>
	0.30	5.76	
	15.00	6.90	
	30.00	8.00	



**FIGURES 1 TO 5**



**KEY TO EPICENTRE MAPS, FIGURES 3 TO 5**

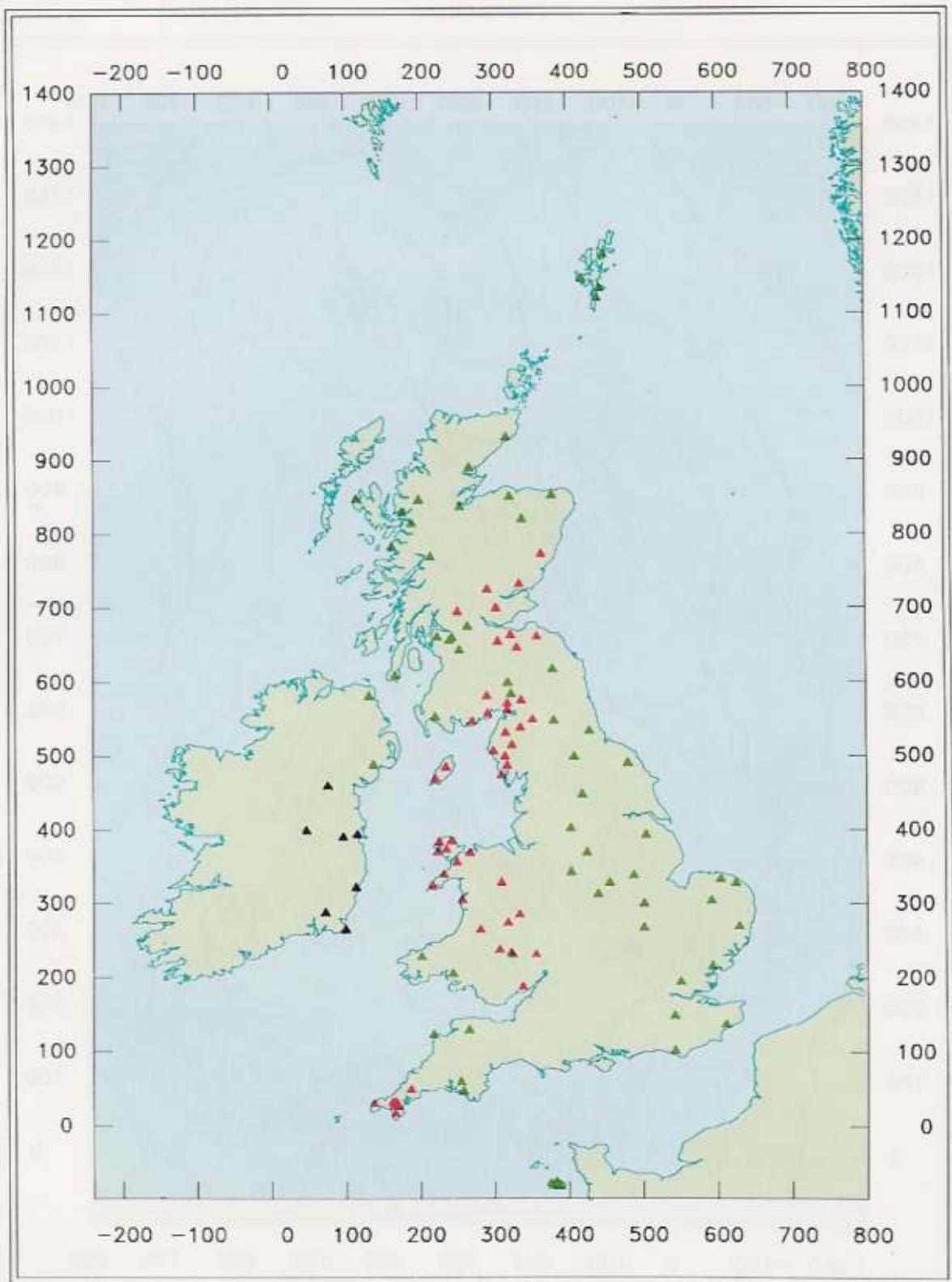


Figure 1. Seismograph network operational in December 1992. Colour coding shows the standard stations (green), those upgraded to rapid access by December 1992 (red) and DIAS stations (black).

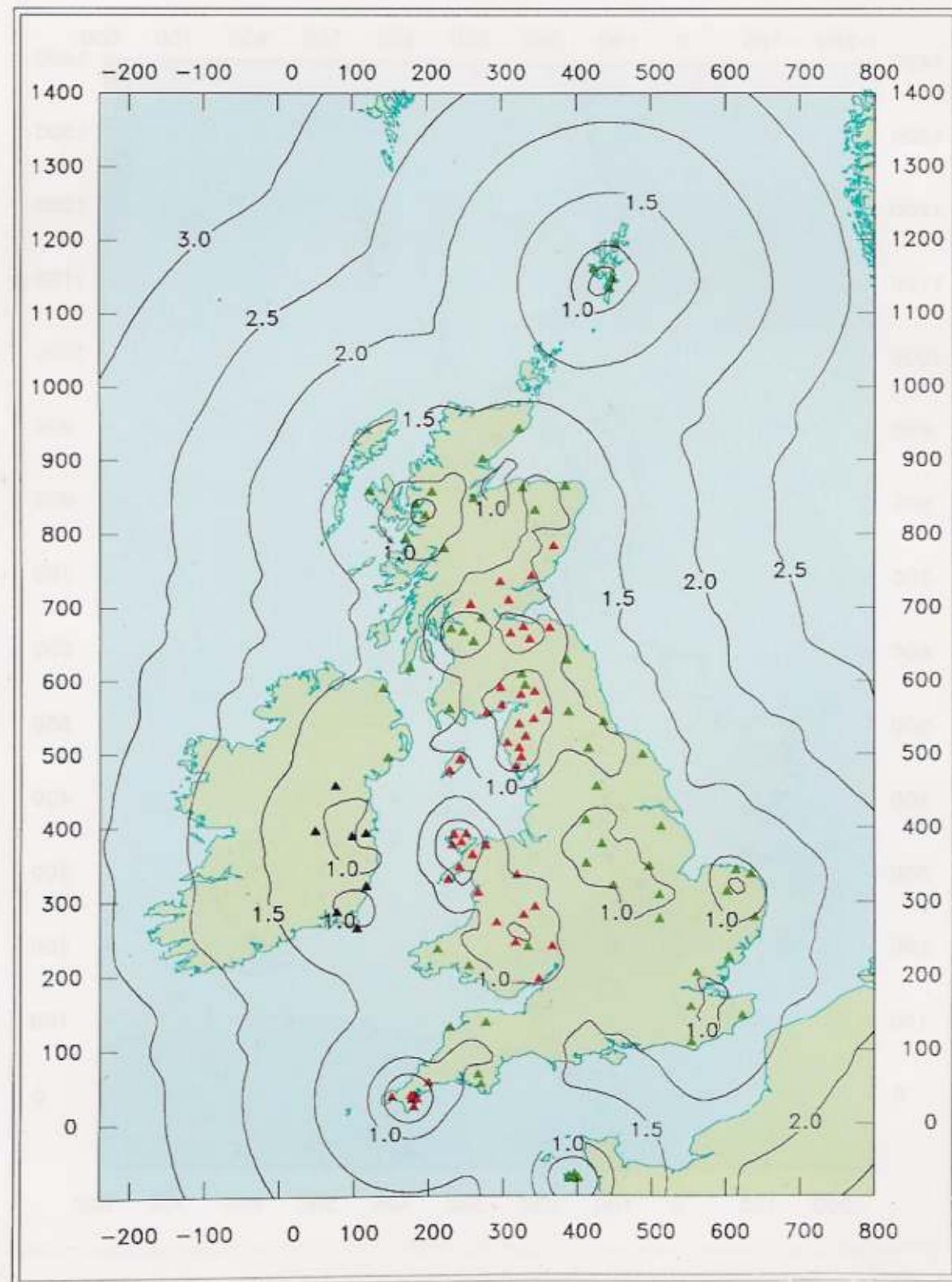


Figure 2. Earthquake detection capability in December 1992. Contour values are Richter local magnitude (ML) for 4 nanometres of noise (average) and S-wave amplitudes twice that at the third nearest station.

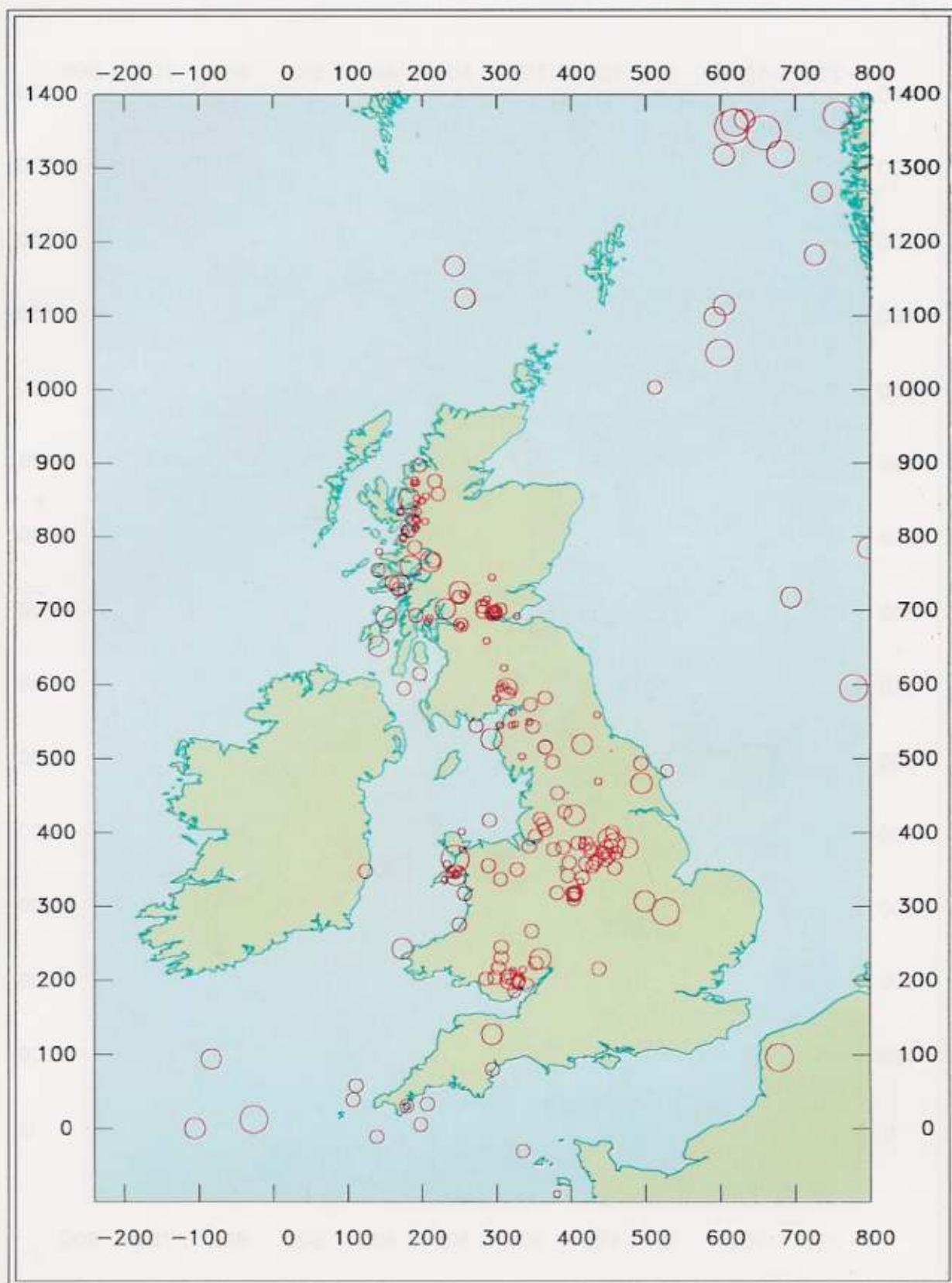


Figure 3. Epicentres of all UK earthquakes located in 1992.

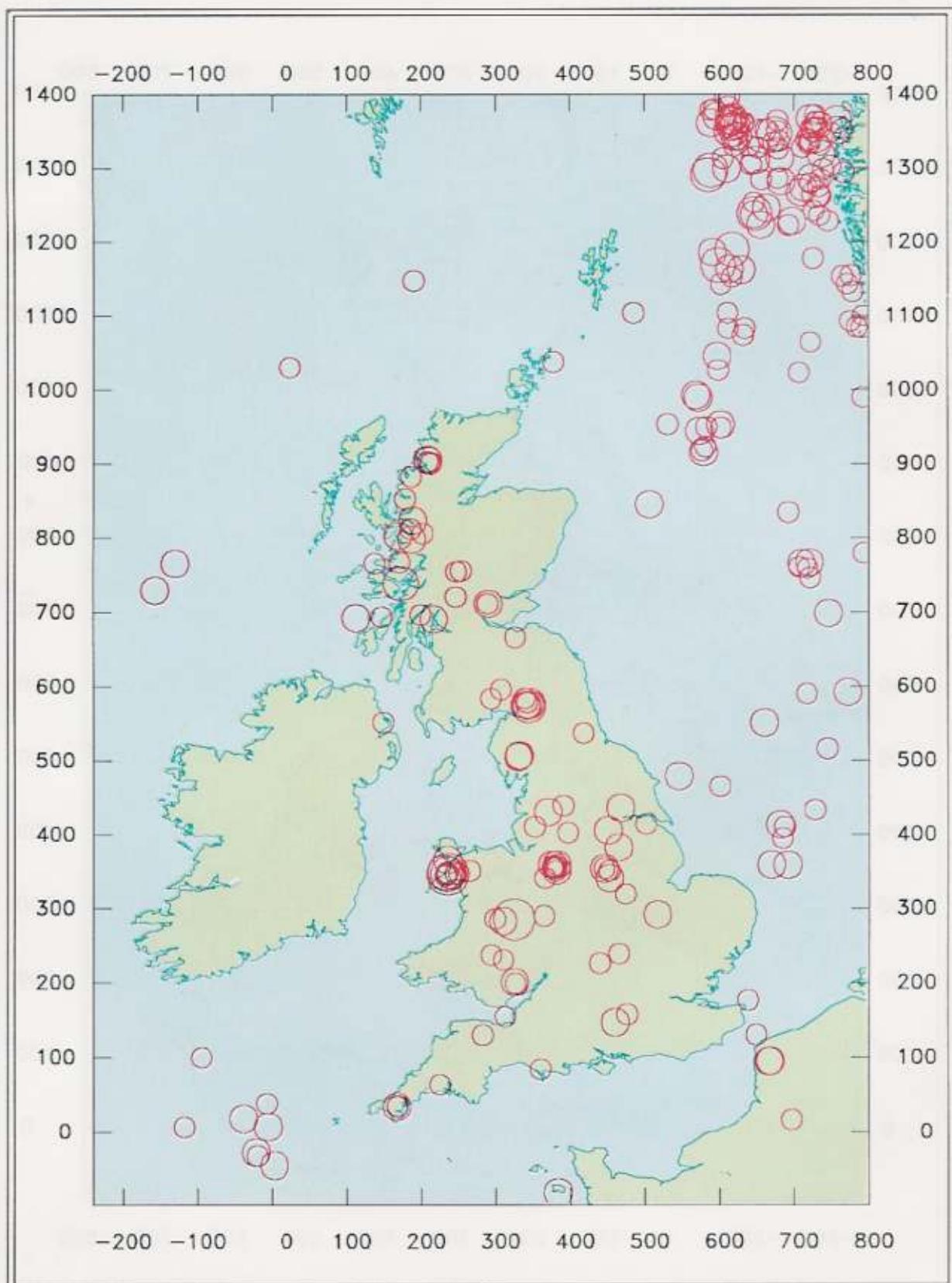


Figure 4. Epicentres of earthquakes with magnitudes 2.5 ML or greater, for the period 1979 to 1992.

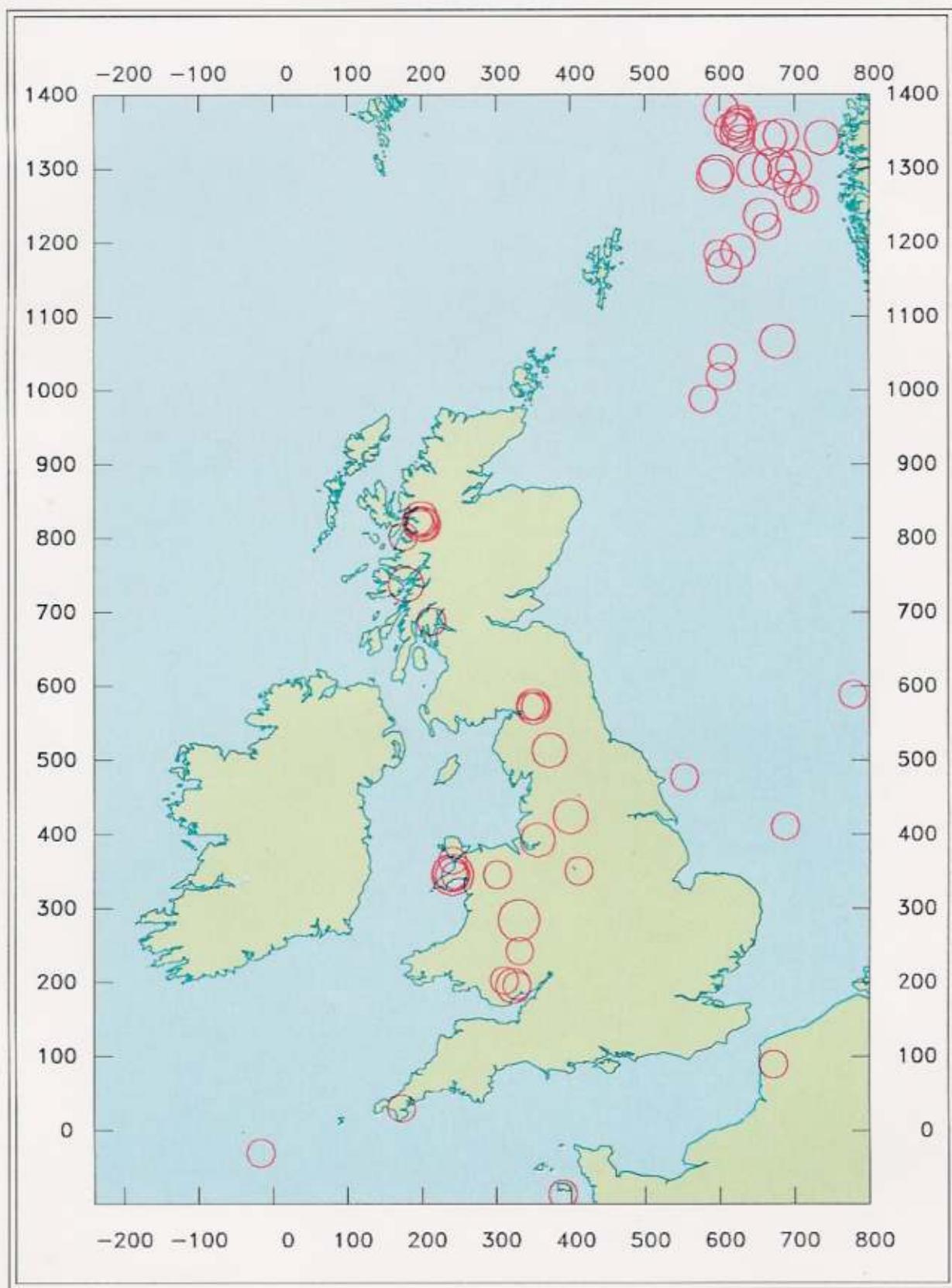


Figure 5. Epicentres of earthquakes with magnitudes 3.5 ML or greater, for the period 1970 to 1992.



**APPENDIX A**  
**SIGNIFICANT EARTHQUAKES IN 1992**



## **APPENDIX A1**

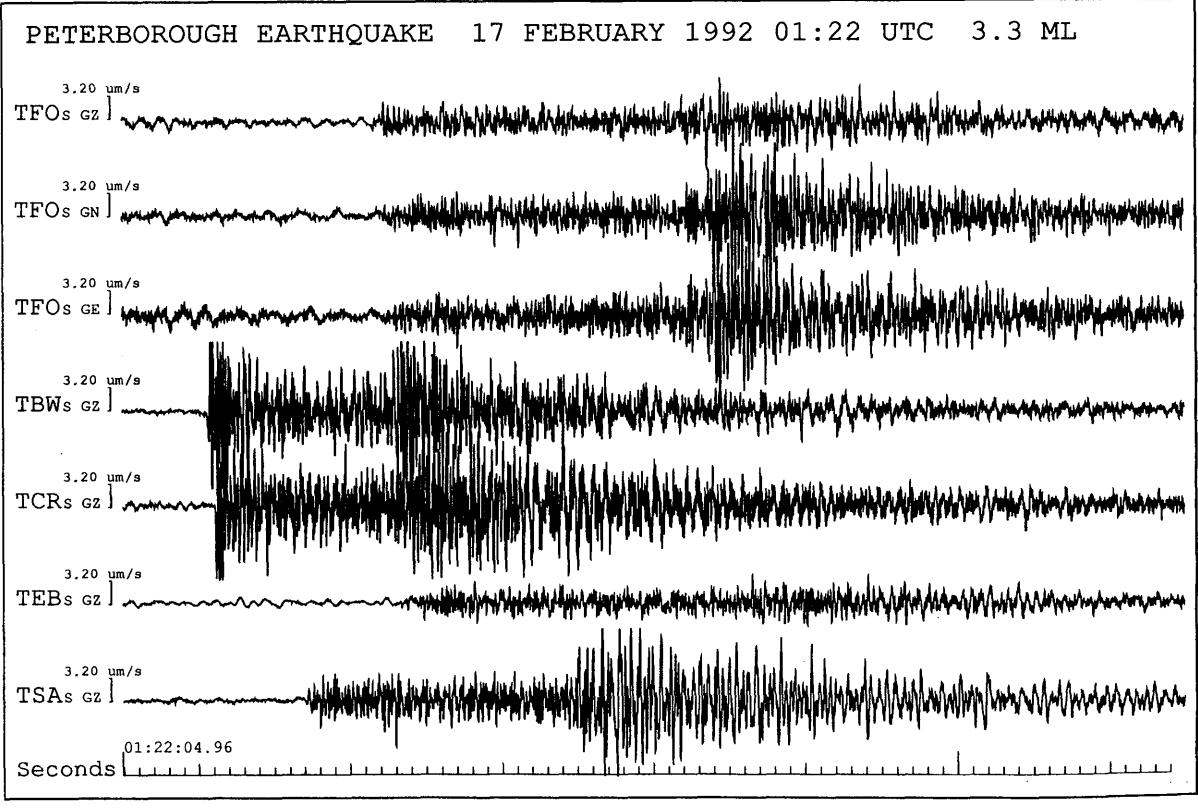
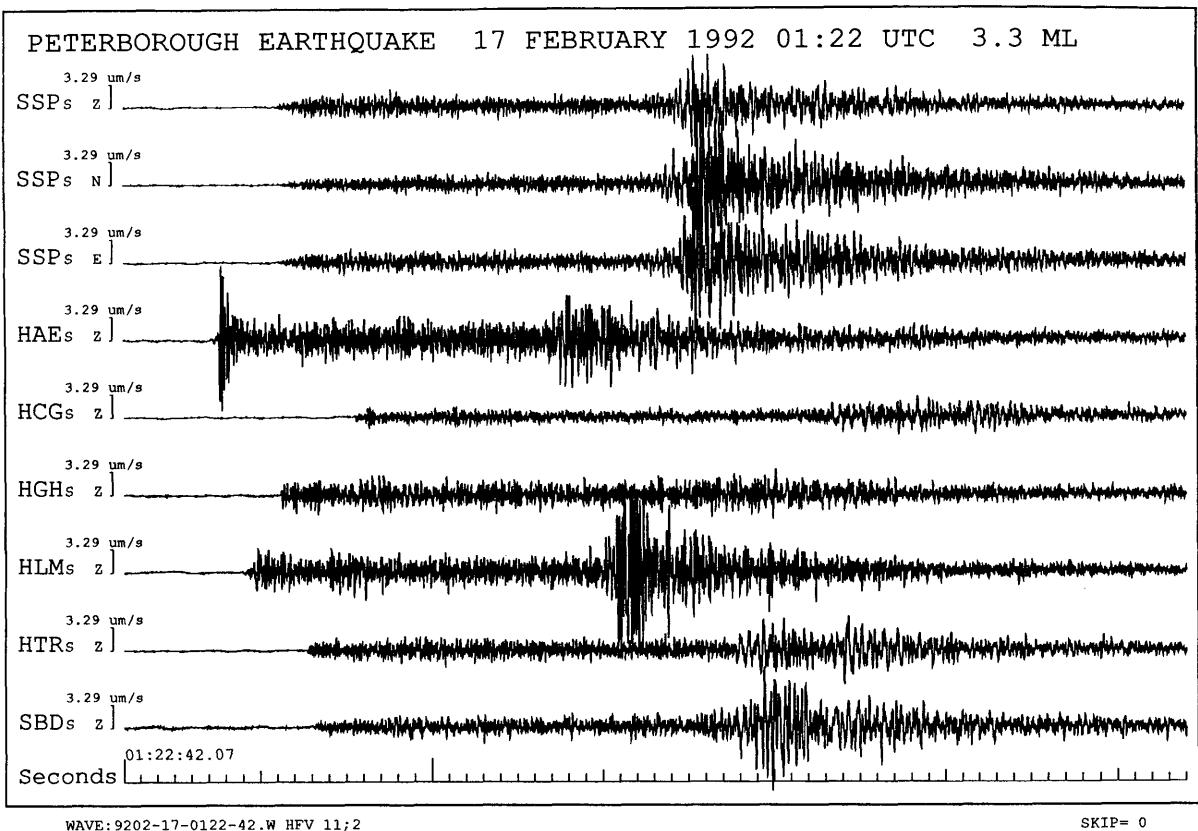
### **PETERBOROUGH EARTHQUAKE, 17 FEBRUARY 1992**

#### **PARAMETERS**

<b>Date:</b>	<b>17 February 1992</b>
<b>Origin Time:</b>	<b>01:22 33.0 UTC</b>
<b>Latitude and Longitude:</b>	<b>52.500°N 0.193°W</b>
<b>Grid Reference:</b>	<b>522.7 kmE 290.7 kmN</b>
<b>Depth:</b>	<b>11.1 Km</b>
<b>Magnitude:</b>	<b>3.3 ML</b>
<b>Hypo Solution Quality:</b>	<b>B (B*B)</b>
<b>Epicentral Error (1 std. dev.):</b>	<b>2.0 km</b>
<b>Depth Error (1 std. dev.):</b>	<b>6.8 km</b>

#### **Discussion**

The Peterborough earthquake of 17 February with a magnitude of 3.3 ML was felt over an area of 7000 km<sup>2</sup>. Seismograms of the earthquake from the BGS networks in Hereford and SE England are shown in Figure A1.1. A fault plane solution was attempted but due to the incomplete station coverage and insufficient knowledge of the surrounding geology no reliable solution could be obtained. However, there was some indication of strike-slip motion consistent with a maximum NW-SE compressive stress direction. A macroseismic survey was carried out at the time of the event with 800 replies received and a maximum intensity of 5 MSK was observed at two localities. The macroseismic map is shown in Figure A1.2.



**Figure A1.1.** Seismograms of the Peterborough earthquake 17 February 1992 01:22 UTC 3.3 ML recorded the Hereford and SE England networks.



## APPENDIX B

SUMMARY OF CHARGES FOR DATABASE ENQUIRIES	COST (£)
A search of the instrumental database producing a catalogue list, a map of the seismicity, a key to the abbreviations and a covering letter.	£150.00 + VAT
A search of the historical database producing a catalogue list, a map of the seismicity, a key to the abbreviations and a covering letter.	£150.00 + VAT
A combined search of both the historical and instrumental database providing the above for both the historical and instrumental seismicity.	£275.00 + VAT
An enquiry involving searching data tapes for specific events. £64.00 for first hour and £32.00 for each additional ½ hour. Note: charges can be waived for the public, media and schools.	£64.00 + VAT
A search and interpretation of raw macroseismic (felt reports) for a specific region for an individual earthquake.	£90.00 + VAT

For more information on the above and other services available please contact Ms A B Walker at the Global Seismology Research Group, Murchison House, West Mains Road, Edinburgh, EH9 3LA.

### CATALOGUE OF BRITISH EARTHQUAKES: PRICE LIST

Burton, P.W. and Neilson, G., 1980. Annual catalogues of British earthquakes recorded on LOWNET (1967-1978). Inst. Geol. Sci. Seismological bulletin No. 7	£3 + pp
Turbitt, T., et al., 1984. Catalogue of British earthquakes recorded by the BGS seismograph network 1979, 1980, 1981. BGS Global Seismology Report No. 210.	£11 + pp
Turbitt, T., et al., 1985. Catalogue of British Earthquakes recorded by the BGS Seismograph Network 1982, 1983, 1984. BGS Global Seismology Report No. 260.	£15 + pp
Turbitt, T., et al., 1987. Bulletin of British Earthquakes 1985. BGS Global Seismology Report No. 303.	£10 + pp
Turbitt, T., et al., 1988. Bulletin of British Earthquakes 1986. BGS Global Seismology Report No. WL/88/11.	£10 + pp
Turbitt, T., et al., 1989. Bulletin of British Earthquakes 1987. BGS Global Seismology Report No. WL/89/09.	£10 + pp
Turbitt, T., et al., 1990. Bulletin of British Earthquakes 1988. BGS Global Seismology Report No. WL/90/03	£10 + pp
Turbitt, T., et al., 1990. Bulletin of British Earthquakes 1989. BGS Global Seismology Report No. WL/90/49	£12.50 + pp
Turbitt, T., et al., 1991. Bulletin of British Earthquakes 1990. BGS Global Seismology Report No. WL/91/34.	£12.50 + pp
Turbitt, T., et al., 1991. Bulletin of British Earthquakes 1991. BGS Global Seismology Report No. WL/92/29.	£12.50 + pp

A complete list of Seismology group publications can be obtained by writing to Mrs A. Muir at Global Seismology Research Group, Murchison House, West Mains Road, Edinburgh, EH9 3LA.



**APPENDIX B**  
**EARTHQUAKE INFORMATION CHARGES**

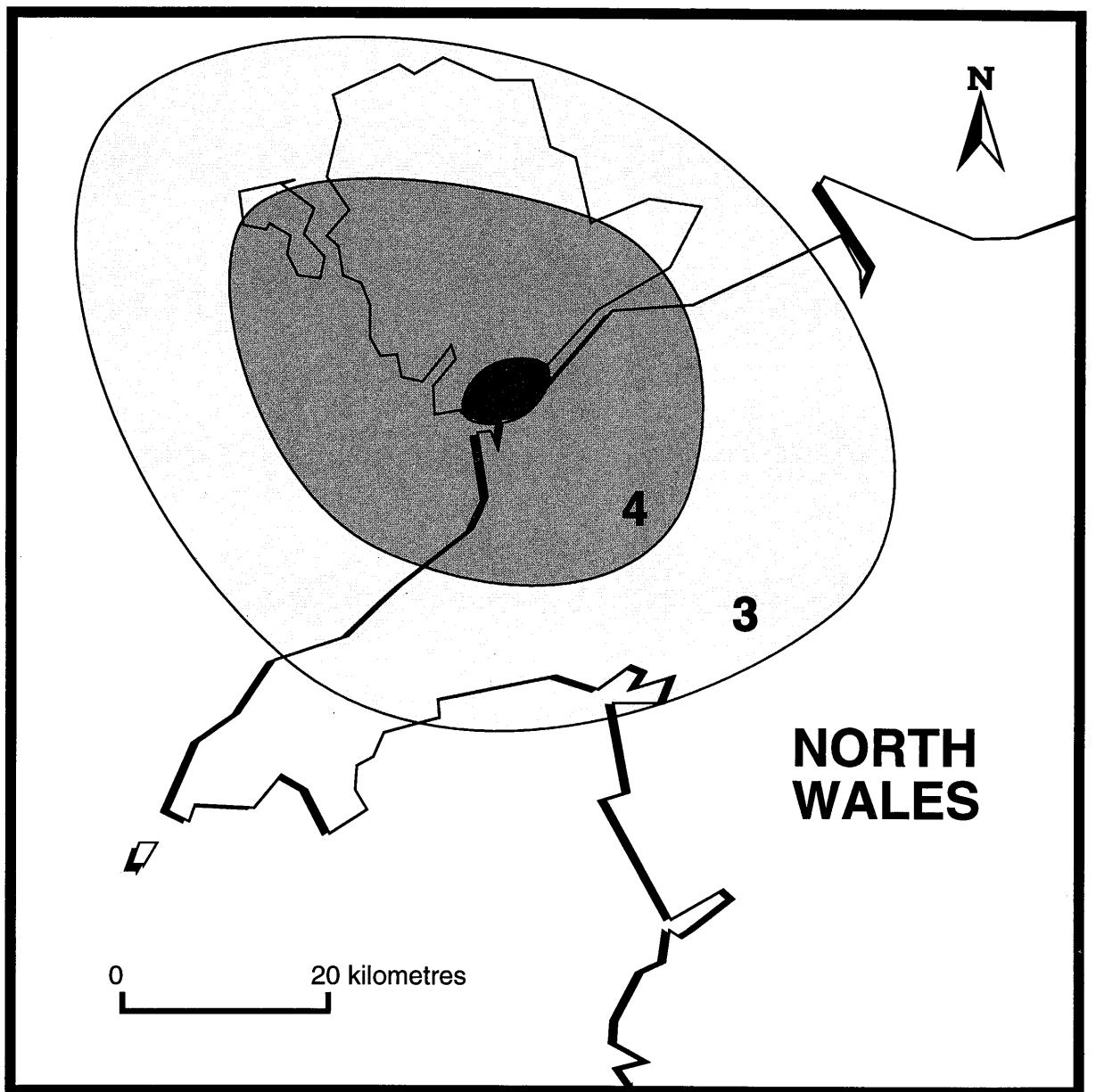
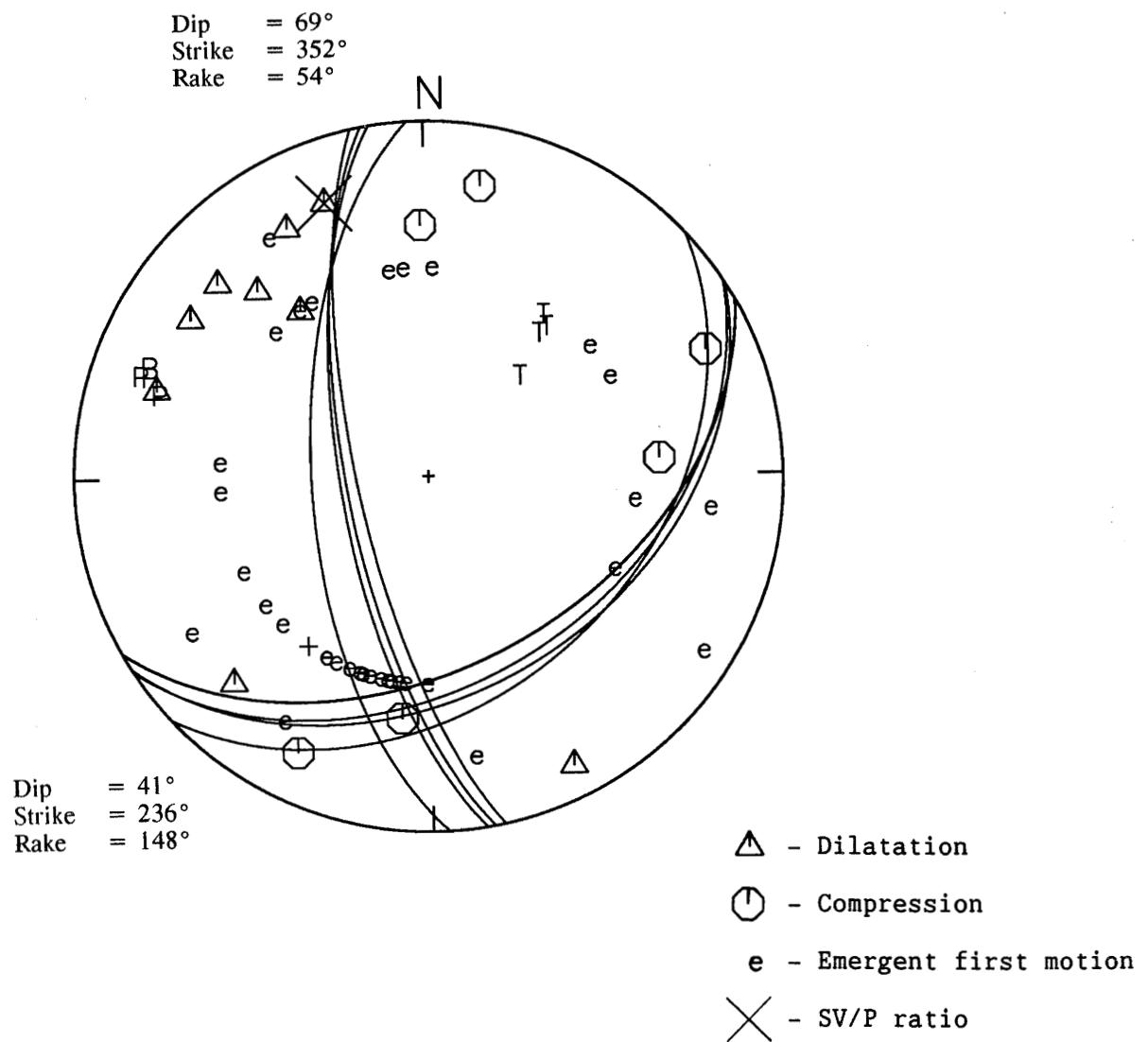


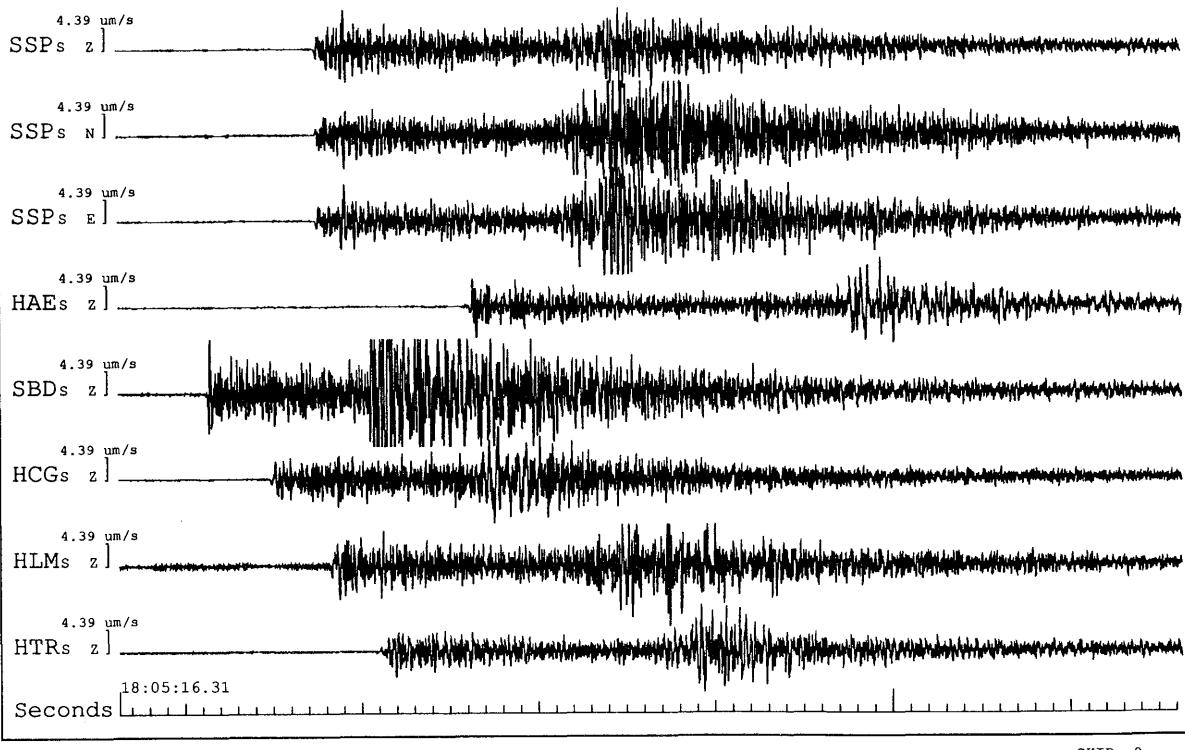
Figure A3.3. Caernarvon Bay Earthquake 29th July 1992, 18:05 UTC (3.5 ML) - MSK Intensities

## FAULT PLANE SOLUTION : CAERNARVON BAY EARTHQUAKE



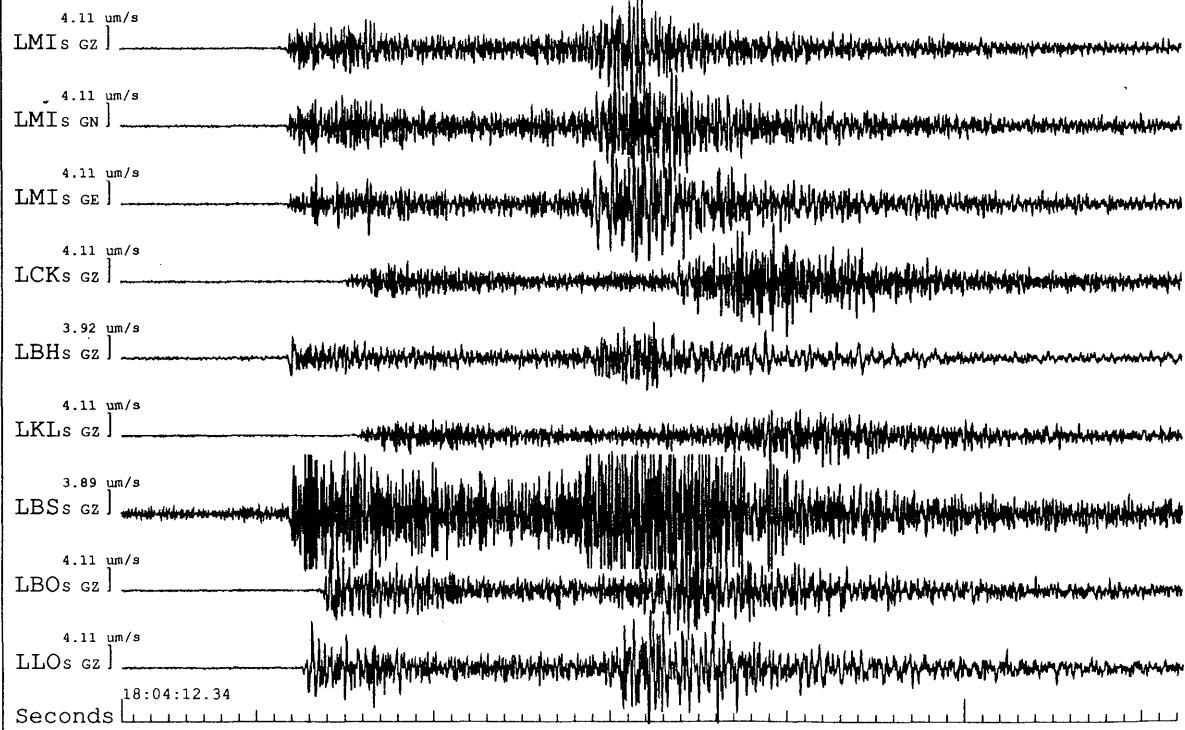
**Figure A3.2.** Equal area projection of the upper focal hemisphere for the Caernarvon Bay earthquake 29 July 1992 18:05 UTC 3.5 ML. The axes of maximum and minimum compressive stress are denoted by P and T respectively.

CAERNARVON BAY EARTHQUAKE 29 JULY 1992 18:05 UTC 3.5 ML



SKIP= 0

CAERNARVON BAY EARTHQUAKE 29 JULY 1992 18:05 UTC 3.5 ML



SKIP= 0

**Figure A3.1.** Seismograms of the Caernarvon Bay earthquake 29 July 1992 18:05 UTC 3.5 ML recorded on the Hereford and Lancashire networks.

## **APPENDIX A3**

### **CAERNARVON BAY EARTHQUAKE, 29 JULY 1992**

#### **PARAMETERS**

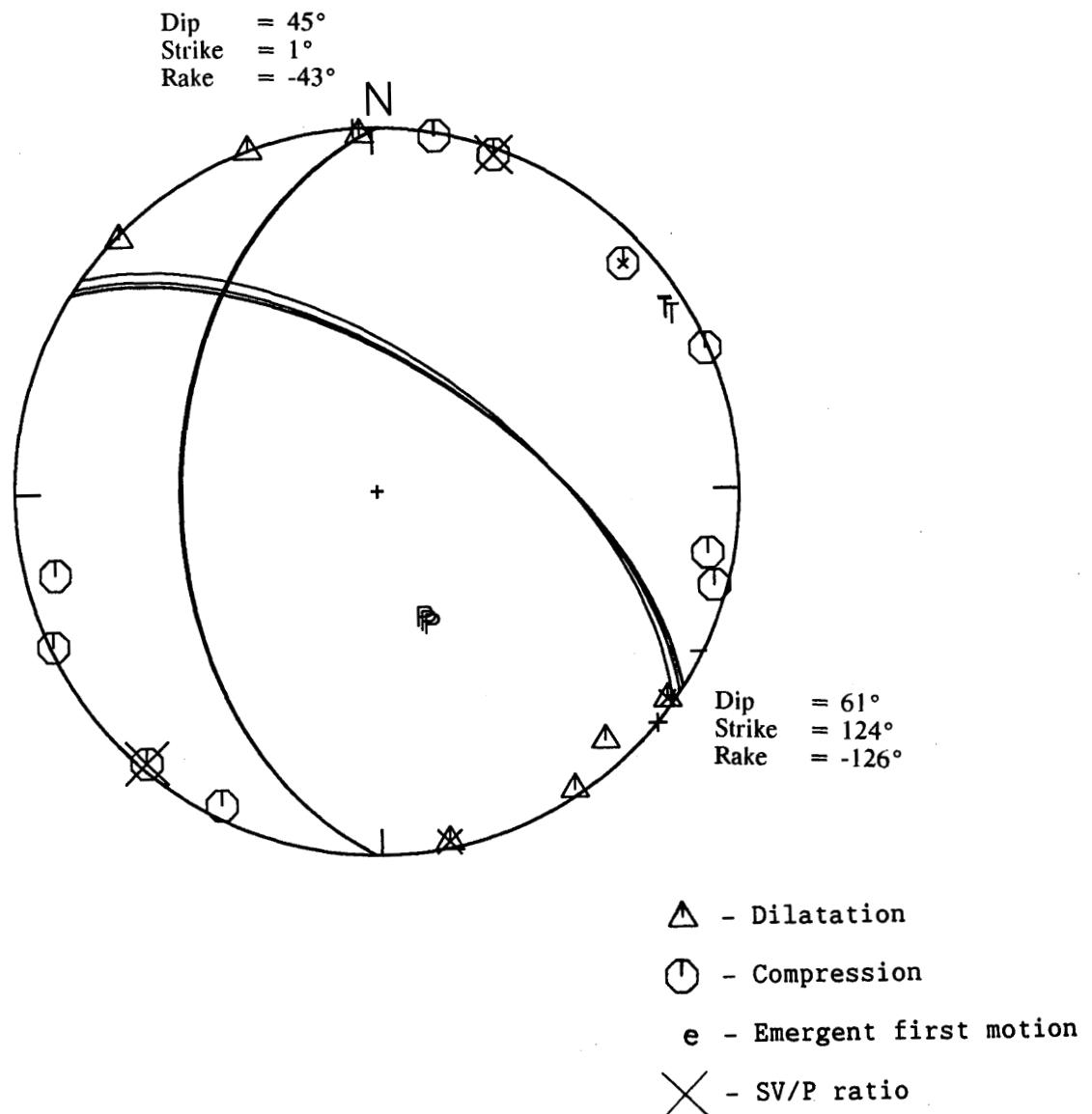
<b>Date:</b>	<b>29 July 1992</b>
<b>Origin Time:</b>	<b>18:05 14.1 UTC</b>
<b>Latitude and Longitude:</b>	<b>53.131°N 4.393°W</b>
<b>Grid Reference:</b>	<b>239.9 kmE 362.0 kmN</b>
<b>Depth:</b>	<b>11.0 km</b>
<b>Magnitude:</b>	<b>3.5 ML</b>
<b>Hypo Solution Quality:</b>	<b>B (A*B)</b>
<b>Epicentral Error (1 std. dev.):</b>	<b>1.1 km</b>
<b>Depth Error (1 std. dev.):</b>	<b>5.9 km</b>

#### **Discussion**

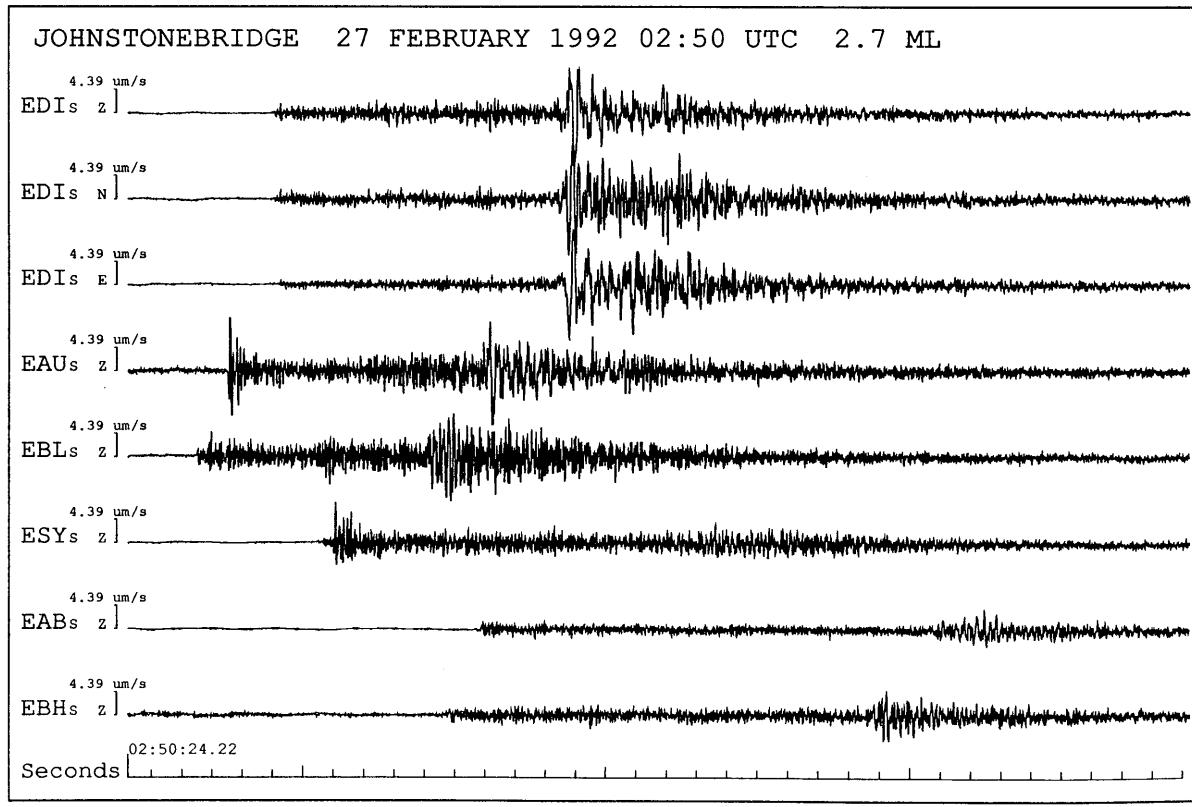
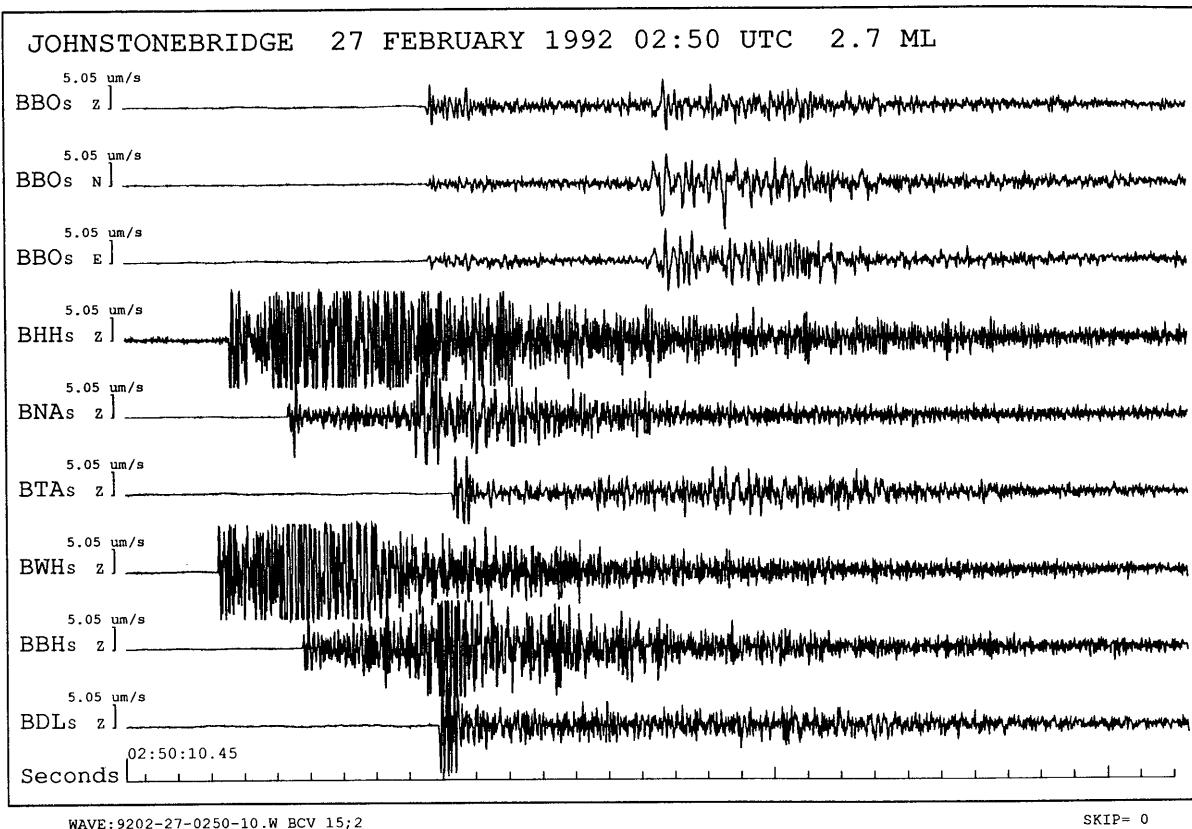
This was the largest earthquake of the year with an onshore location and occurred in Caernarvon Bay on 29 July with a magnitude of 3.5 ML. Seismograms of the event from the BGS networks in Hereford and Lancashire are shown in Figure A3.1. The focal mechanism shows reverse faulting with a small-component of strike-slip faulting with movement either on a near-vertical plane striking NS and dipping 69° to the east or a near-horizontal plane striking NE-SW and dipping 41° to NW (Figure A3.2.). A macroseismic survey throughout the region showed it was felt over an area of approximately 10,000 km<sup>2</sup> with a maximum intensity of 5 MSK (Figure A3.3.).



**FAULT PLANE SOLUTION : JOHNSTONEBRIDGE EARTHQUAKE**



**Figure A2.2.** Equal area projection of the upper focal hemisphere for the Johnstonebridge earthquake 27 February 1992 02:50 UTC 2.7 ML. The axes of maximum and minimum compressive stress are denoted by P and T respectively.



**Figure A2.1.** Seismograms of the Johnstonebridge earthquake 27 February 1992 02:50 UTC 2.7 ML recorded on the Borders and Lownet networks.

## **APPENDIX A2**

### **JOHNSTONEBRIDGE EARTHQUAKE, 27 FEBRUARY 1992**

#### **PARAMETERS**

<b>Date:</b>	<b>27 February 1992</b>
<b>Origin Time:</b>	<b>02:50 24.9 UTC</b>
<b>Latitude and Longitude:</b>	<b>55.211°N 3.408°W</b>
<b>Grid Reference:</b>	<b>310.5 kmE 591.7 kmN</b>
<b>Depth:</b>	<b>5.9 km</b>
<b>Magnitude:</b>	<b>2.7 ML</b>
<b>Hypo Solution Quality:</b>	<b>C (B*C)</b>
<b>Epicentral Error (1 std. dev.):</b>	<b>0.9 km</b>
<b>Depth Error (1 std. dev.):</b>	<b>5.2 km</b>

#### **Discussion**

An event close to Johnstonebridge in Annandale occurred at 02:50 UTC on 27 February. The magnitude of this event was 2.7 ML and it was felt in the Johnstonebridge area with intensities up to 4 MSK. Seismograms of the earthquake from the BGS networks in the Borders and Scottish Lowlands are shown in Figure A2.1. The focal mechanism for the event shows dominant normal faulting with a component of strike-slip faulting and movement on either a plane striking NS and dipping 45° to the east or a plane striking NW-SE and dipping 61° SW (Figure A2.2).



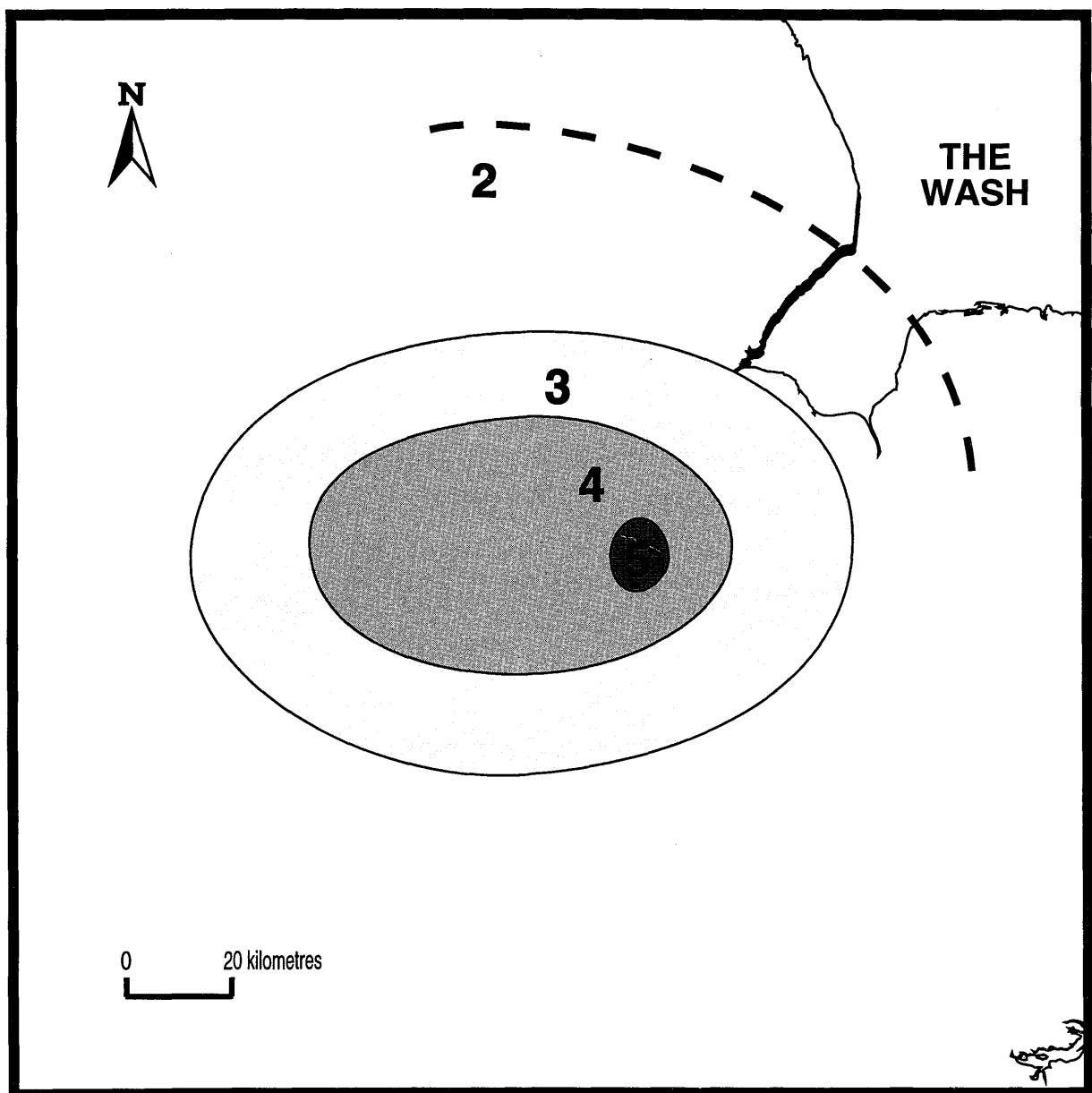
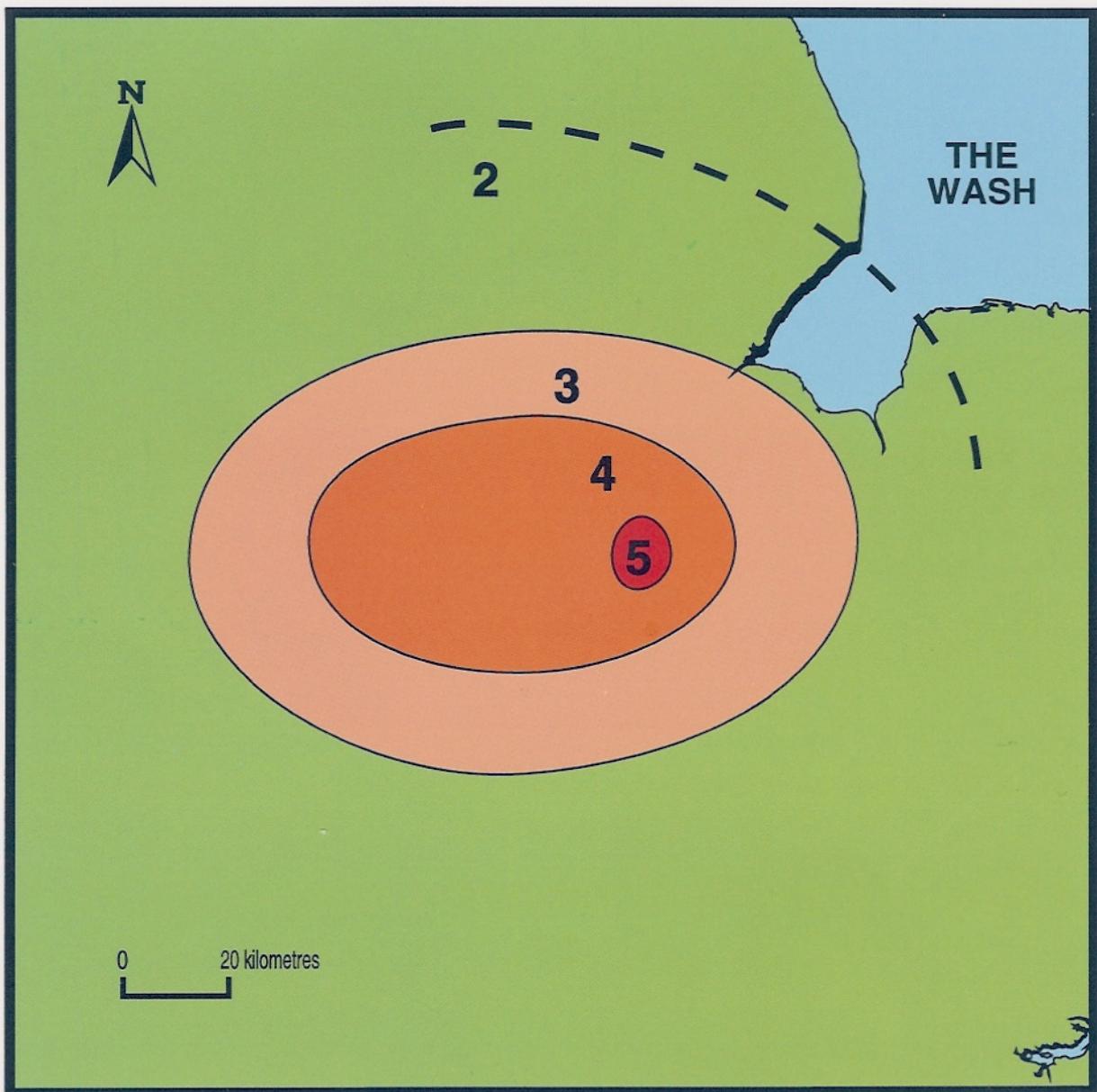


Figure A1.2. Peterborough Earthquake 17th February 1992, 01:22 UTC (3.3ML) - MSK Intensities



Peterborough Earthquake 17th February 1992, 01:22 UTC (3.3ML) - MSK Intensities