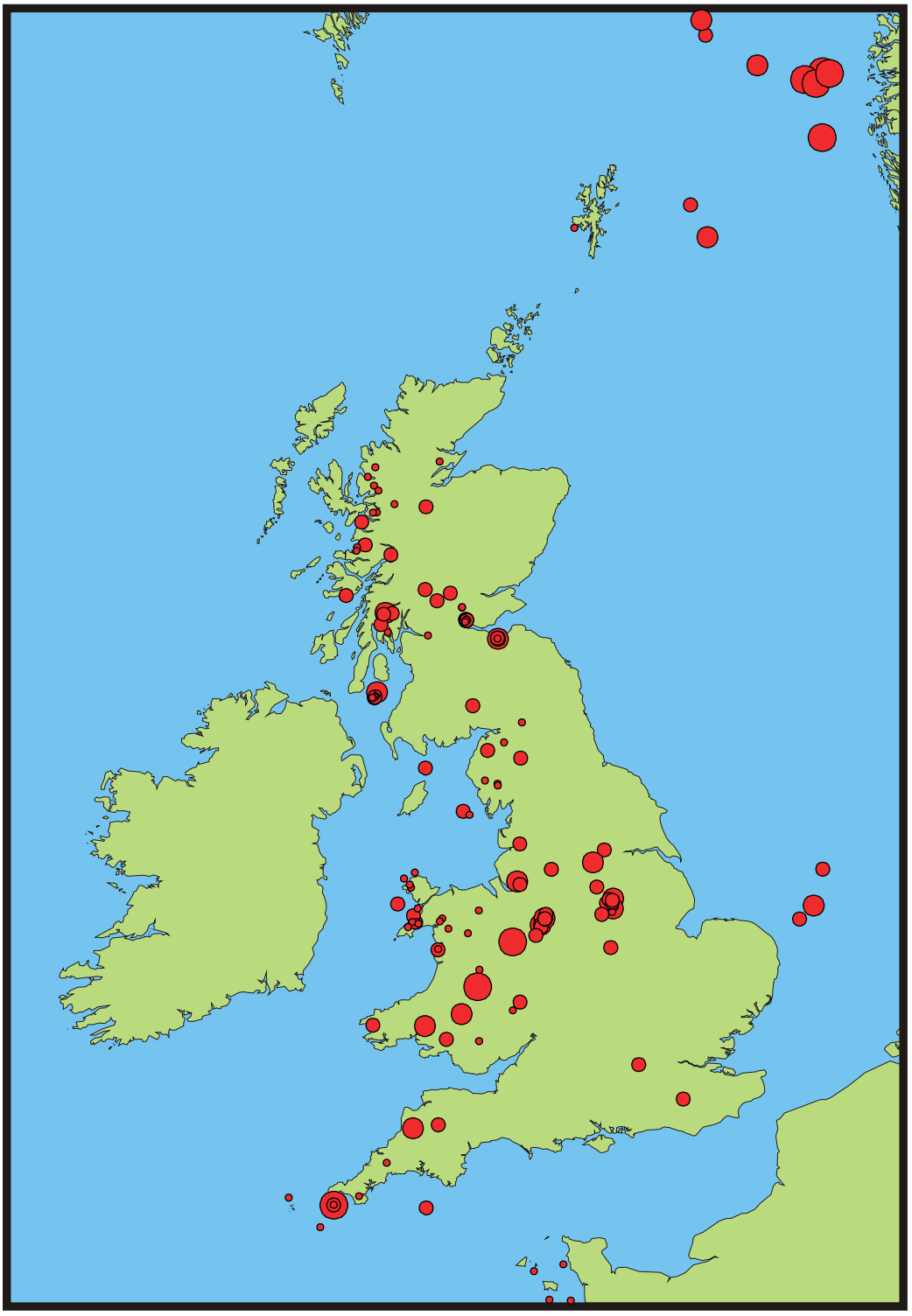
British Geological Survey

BULLETIN OF BRITISH EARTHQUAKES 1996



British Geological Survey
Murchison House
West Mains Road
Edinburgh EH9 3LA
Scotland

Tel: 0131-667-1000
Fax: 0131-667-1877
Internet: http://www.gsrg.nmh.ac.uk/

£12.50

BRITISH GEOLOGICAL SURVEY

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Global Seismology Series

Bulletin of British earthquakes 1996

A B Walker (editor)

Contributors **G D Ford, D D Galloway, B A Simpson and F Wright**

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BRITISH GEOLOGICAL SURVEY

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The British Geological Survey carries out the geological survey of Great Britain and Northern Ireland (the latter as an agency service for the government of Northern Ireland), and of the surrounding continental shelf, as well as its basic research projects. It also undertakes programmes of British Technical aid in geology in developing countries as arranged by the Overseas Development Administration.

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Keyworth, Nottingham NG12 5GG
☎ 0115 936 3100
TELEX 378173 BGSKEY G
FAX 0115 936 3200

Murchison House, West Mains Road
Edinburgh EH9 3LA
☎ 0131 667 1000
TELEX 727343 SEISED G
FAX 0131 668 2683

London Information Office at the Natural History Museum, Earth Galleries, Exhibition Road, South Kensington, London SW7 2DE
☎ 0171 589 4090
☎ 0171 938 9056/57
FAX 0171 584 8270

St Just, 30 Pennsylvania Road
Exeter EX4 6BX
☎ 01392 78312
FAX 01392 437505

Geological Survey of Northern Ireland,
20 College Gardens,
Belfast BT9 6BS
☎ 01232 666595
FAX 01232 662835

Maclean Building, Crowmarsh Gifford, Wallingford,
Oxfordshire OX10 8BB
☎ 01491 838800
TELEX 849365 HYDROL G
FAX 01491 825338

Parent Body
Natural Environment Research Council
Polaris House, North Star Avenue, Swindon
Wiltshire SN2 1EU
☎ 01793 411500
TELEX 444293 ENVRE G
FAX 01793 411501

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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 1996 together with maps showing the larger magnitude events since 1979 ($ML \geq 2.5$) and since 1970 ($ML \geq 3.5$). All felt areas are quoted in km^2, and are for the area enclosed within isoseismal 3 EMS (European Macroseismic Scale, Appendix C).

1.2 Summary of 1996 Seismicity

There have been 204 earthquakes located by the monitoring network during the year, with 27 of them having magnitudes 2.0 ML or greater. Of these, nine are known to have been felt, together with a further 25 smaller ones, bringing the total to 34 felt earthquakes in 1996.

The largest earthquake occurred offshore, 12 km south of Penzance, Cornwall, on 10 November (Appendix A1). It had a magnitude of 3.8 ML and was felt over an area of 14,000 km^2 throughout Cornwall, the Scilly Isles and in parts of Devon. Felt reports included "bottles on a shelf shook and fell off" and that people "ran outside to see if an explosion had demolished a house". A macroseismic survey, with 900 replies showed a maximum intensity of 5 EMS close to the epicentre where minor damage (cracked plaster) occurred. Three aftershocks were detected, on the same day, but none were felt. This is the largest event to have affected mainland UK since the 15 February 1994 Norwich earthquake (magnitude 4.0 ML), which was felt with an epicentral intensity of 5 EMS. It occurs in the same area as the magnitude 4.4 ML Penzance earthquake on 15 July 1757, which was felt with intensities of between 5 and 6 EMS. A poorly constrained fault plane solution shows normal faulting, with varying components of strike-slip motion, on planes striking either NS and dipping to the east or striking NW-SE and dipping to the SW.

Two of the largest offshore earthquakes during 1996, with magnitudes of 3.9 ML, were located in the northern North Sea region on 25 June and 31 October; neither was reported to be felt. A further eight events occurred in the area during the year, with magnitudes ranging between 1.8 and 3.8 ML, and were located using both the BGS and Norwegian networks. Earthquake activity in the offshore areas during 1996 was higher than the long-term average, with five events exceeding magnitude 3.0 ML, against an average annual occurrence of four per annum. Only one earthquake in the northern North Sea was reported felt during the year. It occurred on 16 December, with a magnitude of 3.3 ML, and was felt at the Fedje Fyr lighthouse and in the village of Vaksdal, Norway.

On 7 March, an earthquake, with a magnitude of 3.4 ML, was located approximately 9 km north of Shrewsbury in Shropshire. It was felt throughout Shrewsbury, Telford, Oswestry and in many surrounding villages. The reports described "vibrations like a heavy vehicle had crashed into the house" and "a violent shuddering"; a few reports of minor damage (cracked plaster) were also received. The earthquake was felt over an area of 3000 km^2. A

macroseismic survey throughout the region indicated a maximum intensity of 5 EMS in the epicentral area. The fault plane solution of the event shows dominant normal faulting on planes striking NW-SE and dipping NE or SW (Appendix A2).

On 6 May, an earthquake, with a magnitude of 2.8 ML, was felt in the Stoke-on-Trent area (Appendix A3). The reports described a "rumble and bang". A macroseismic survey in the region revealed that it was felt over 900 km^2, with a maximum intensity of 4 EMS in the epicentral area. A further six events occurred, with magnitudes ranging between 1.2 and 1.9 ML. Swarms of activity were detected in this same area in the mid 1970s, early 1980s, early 1990s and more recently in 1995, where 6 events were felt in four days.

On 18 May, an earthquake, with a magnitude of 2.9 ML, occurred some 2 km north of the village of Furnace, on the banks of Loch Fyne, Strathclyde. It was felt in Furnace, Strachur and Inveraray with intensities of at least 3 EMS. Felt reports describe "a large bang, followed by the whole house shaking" and " a light rattling of crockery on a display cabinet". An event, with a magnitude of 1.5 ML, occurred two days later in the same area, but was not reported felt.

An earthquake, with a magnitude of 3.0 ML, occurred on 20 September at Llanddewi Ystradenni, approximately 9 km NNE of Llandrindod Wells. The event was felt by local residents in Llandrindod Wells, Knighton, Rhayader, Builth Wells and in the village of Llanbister. Felt reports described "a shudder" and "the whole house shook and windows rattled" indicating an intensity of at least 4 EMS. No macroseismic survey was carried out owing to the few reports received from each of the villages. A poorly constrained fault plane solution was obtained (Appendix A4).

In Comrie, Tayside, a small earthquake with a magnitude of 1.4 ML, was felt by local residents on 20 October. Felt reports described a "big bang and a rumble" indicating a maximum intensity of at least 3 EMS. There have been occasional events over the past few years in the region which was famous for the frequency of its earthquakes in the 1790s, 1830s and 1840s. In 1875, following a number of small events, Victorian scientists built an observatory with crude earthquake detection instruments in an attempt to learn more about the earthquakes. The observatory, which is called 'Earthquake House', has been restored and opened to the public by Perth and Kinross District Council with some help from BGS.

A swarm of fourteen earthquakes was detected approximately 10 km south of the Isle of Arran, Strathclyde, during 1996. The largest, with a magnitude of 2.2 ML, occurred on 26 June and was not reported felt. Similar swarms in the area were detected in the early 1990s.

Throughout the southern North Sea region, three events have been located, with magnitudes of 1.7, 1.8 and 2.1 ML; none were reported felt. These events are in the same area as the event on 2 May 1995, with a magnitude of 3.4 ML.

In North Wales, three events with magnitudes of -0.2, 0.6 and 1.2 ML were located on the Lleyn Peninsula, in the same area and at similar depths, as the magnitude 5.4 ML Lleyn Peninsula earthquake of 19 July 1984, which was felt over an area of 250,000 km^2.

Near Maidenhead in Berkshire, an earthquake, with a magnitude of 1.9 ML, occurred on 8 December. This event, together with 2 others, both some 30 km distant, represents the only seismicity in the area over the past 27 years.

The coalfield areas of central Scotland, Yorkshire, Staffordshire and Nottinghamshire continued to experience earthquake activity of a shallow nature which is believed to be mining induced. The area east of Edinburgh became active as a result of mining this year. Some 71 coalfield events, with magnitudes ranging between -0.4 and 2.3 ML, have been detected in the year. Twenty six of these were felt by local residents; 22 from the series around Edinburgh.

During October and early November, a series of events (37 were located a further 73 were recorded on one station near the epicentre) occurred in the Musselburgh/Newcraighall area, to the east of Edinburgh. The largest event, with a magnitude of 2.0 ML, occurred on 25 October and was felt with intensities of at least 5 EMS (Appendix A5). Information directly from local residents and through the completion of macroseismic questionnaires, distributed by BGS and published in local newspapers, have shown that the events were felt, generally, up to 2 km from the epicentre and in some cases up to 3 km. Twenty-two events in the series were felt by local residents who described the effects as being like "a heavy lorry passing outside" or "similar to an explosion". Additional instruments were installed in the area and the results showed that the pattern (most events occurring in the working week) and location of the activity was a consequence of mining at Monktonhall colliery. The two most likely causes of these events are: the undermining and subsidence of old workings with void and pillar collapses and shearing in strained rock layers; or the bridging, and subsequent breaking during subsidence, of a strong rock layer between the mine and the surface (in this case, 900 metres above).

Near Newcastle-under-Lyme, Staffordshire, three shallow events, with magnitudes of 1.9, 1.9 and 2.3 ML occurred on 20 February, 7 March and 16 March, respectively. All three events were felt by local residents in the Newcastle-under-Lyme and Keele areas with intensities of at least 3 EMS. The signals recorded by the BGS seismic network in the area indicated a shallow source (presence of surface waves) and they are thought to be related to nearby mines.

Near Mansfield, Nottinghamshire, five events with magnitudes ranging from 0.7 to 2.1 ML have been located, one of which was felt by local residents in the Wellow region of Mansfield. At shallow depths, they are believed to be of coal mining origin.

Twenty events, with magnitudes ranging between 0.7 and 1.6 ML, were located near Clackmannan in the Central region of Scotland. None were reported felt. This is an area which has experienced many such mining induced events in the past.

3.3 Environmental Monitoring

The infrastructure provided by the UK nationwide seismic monitoring network, comprising remote sensing stations linked to computers, is ideal for expansion into a full-spectrum environmental monitoring network (including pollution, radioactivity and climate). An experimental station has been established some 35 km from Edinburgh where air and ground temperature, humidity, UVB and radioactivity measurements are being transmitted, alongside seismic information, to the BGS laboratories.

The remote sites required for seismic stations (in order to escape 'cultural' vibration noise from industry, towns, roads etc) should be ideal for establishing environmental baselines, long-term trends, the effects of sudden release incidents and the long-range impacts of power stations, traffic and city emissions. The data-rate for seismics, at 100 samples per second per channel, is very high compared to the normal requirements of an environmental monitoring station. It has, therefore, proved to be relatively simple to provide for the transmission of 16 channels of environmental data, at 1 minute intervals, alongside the seismics. That software development has already been made for the acquisition, retrieval and display of environmental data. It has been demonstrated with a number of sensors operating alongside the seismics; including SO_2, UVB, ozone, humidity, temperature and radioactivity. More recently, a high sensitivity NOx sensor has been purchased and this is being integrated into the remote sampling system.

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 bulletin 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 1996 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; Assumpçao 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 an earthquake or earthquake series occurred almost beneath a network. For events at larger distances, and where the error columns (ERH and ERZ), in the tables, are blank, the depth errors can be up to tens of kilometres. The quality factor of the event, as listed in the tables (SQD), is an indication of the depth error. As a general guide only, A*A, A*B, B*A and possibly B*B class events, have reliable depths.

4.3 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 bulletin 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 1996, 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 1996 is shown in Figure 5 with a threshold magnitude of 3.5 ML. This is the period covered by BGS instrumentation which in the early years, only consisted of the network around Edinburgh (LOWNET) and Eskdalemuir (ESK) and a station near Kyle of Lochalsh (KYL). The dataset is likely to be complete for such magnitudes.

4.4 Magnitude

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

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

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

4.5 Intensity

Intensity is a measure of the effect of the shaking on people, structures and objects. It decreases with distance from a maximum value (Imax) usually found close to the epicentre. The maximum felt intensity is quoted, where known, on the European Macroseismic Scale (EMS), (Grünthal, 1993).

5. BULLETIN CONTENT AND COMPLETENESS

5.1 The Geographical Area

The bulletin 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. In 1996, 5 sonic events were reported felt and all were detected by the UK network.

Significant non-natural events which received media attention or were greater than magnitude 2.5 ML 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. In 1996, one felt explosion was detected.

5.3 Events Excluded

Events that are known, or suspected to be of explosive origin, are excluded from the bulletin. Explosions due to quarrying, mining, weapon testing or disposal, naval exercises, geophysical prospecting and civil engineering are all excluded where possible, unless they are greater than 2.5 ML or 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 bulletin 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 ML, and above, at times of average ambient noise levels. High noise levels may cause this threshold to rise to about 2.3 ML. Normally, however, an earthquake of this size would be felt, if not detected, in the areas of poorer instrumental coverage. The bulletin can, therefore, be assumed to be complete for all earthquakes of magnitude 2.3 ML and above.

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KEY TO BULLETIN ENCODING

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

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

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

Locality abbreviations

Sonic	:	Sonic boom	Mid Glam	:	Mid Glamorgan
Expl	:	Explosion	Notts	:	Nottinghamshire
D & G	:	Dumfries and Galloway	S'Clyde	:	Strathclyde
Her & Wor	:	Hereford and Worcester	S Yorkshire	:	South Yorkshire
Gtr Manchester	:	Greater Manchester	N Yorkshire	:	North Yorkshire
Leics	:	Leicestershire	Staffs	:	Staffordshire
New-U-Lyme	:	Newcastle-Under-Lyme	W Sussex	:	West Sussex
Penin	:	Peninsula			

Comments abbreviations

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

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 1996

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
19960103	062125.6	56.86	-5.61	179.7	779.7	1.3	1.3	LOCHAILORT,HIGHLAND		5	15	281	0.07	1.5	1.3	B*D	
19960103	122738.7	56.25	-3.75	291.3	707.4	4.3	0.9	OCHIL HILLS,CENTRAL		6	15	106	0.02	0.1	0.5	A*C	
19960111	014046.8	55.23	-3.51	304.3	594.3	7.3	2.0	JOHNSTONEBRIDGE,D & G		26	11	121	0.20	0.6	1.9	B*B	6KM W OF JOHNSTONEBRIDGE
19960118	091542.0							SONIC-ORKNEY ISLANDS									SONIC-FELT ORKNEY
19960118	180822.9	53.36	-1.30	446.8	384.9	1.0	1.8	SHEFFIELD,S YORKSHIRE		5	42	278	0.29	4.3	4.0	C*D	C/F,9KM SE OF SHEFFIELD
19960119	190348.9	53.54	-2.09	394.4	405.3	6.0	1.8	OLDHAM,GTR MANCHESTER		4	15	282	0.17			B*D	
19960119	200914.6	54.08	-3.51	301.3	466.1	20.0	0.9	IRISH SEA		7	20	250	0.05	1.4	0.9	B*D	20KM W BARROW-IN-FURNESS
19960120	065243.0	55.96	-5.11	205.8	678.9	12.8	0.5	DUNOON,STRATHCLYDE		5	26	303	0.01	0.5	1.3	A*D	12KM WNW DUNOON
19960120	215538.0	50.01	-4.09	250.0	14.5	5.0	1.4	SOUTH OF PLYMOUTH		6	38	260	0.04	1.0	8.2	C*D	40KM SOUTH OF PLYMOUTH
19960121	220602.4	56.14	-3.71	293.6	695.4	0.3	0.8	CLACKMANNAN,CENTRAL		6	18	128	0.10	0.7	1.1	A*C	C/F
19960203	194154.0	56.04	-5.24	198.0	687.8	7.2	1.9	LOCHGILPHEAD,S'CLYDE	2+	19	38	144	0.13	0.5	1.9	A*C	FELT LOCHGILPHEAD
19960204	002528.0	57.09	-5.70	175.6	806.1	4.8	1.5	KNOYDART,HIGHLAND		13	21	103	0.12	0.2	0.4	A*C	
19960215	231434.9	49.08	-2.11	391.7	-90.5	7.6	0.6	JERSEY,CHANNEL ISLANDS		6	12	312	0.04	1.3	1.7	B*D	10KM S OF JERSEY
19960216	094338.0							SONIC-NORFOLK									SONIC-FELT BLAKENEY AREA
19960220	204253.9	57.67	-5.50	191.3	869.3	5.8	0.7	TORRIDON,HIGHLAND		10	22	133	0.12	0.8	1.1	A*C	
19960220	212345.8	52.97	-2.27	381.7	340.9	1.1	1.9	NEW-U-LYME,STAFFS	3+	9	4	108	0.06	0.5	0.9	A*B	C/F,FELT NEW-U-LYME...
19960226	054116.5	54.46	-3.27	317.8	507.5	15.7	0.5	BUTTERMERE,CUMBRIA		8	2	105	0.04	0.4	0.6	A*B	9KM SOUTH OF BUTTERMERE
19960226	195309.9	52.08	-2.74	349.5	242.5	16.5	0.9	HEREFORD,HER & WOR		9	14	121	0.06	0.4	0.6	A*B	
19960307	053457.5	57.29	-5.10	213.1	826.8	7.1	0.4	GLENAFFRIC,HIGHLAND		5	21	254	0.09	2.4	3.0	B*D	
19960307	131902.2	52.95	-2.26	382.7	338.9	0.3	1.9	NEW-U-LYME,STAFFS	3+	15	29	117	0.34	1.5	2.3	C*C	C/F,FELT NEW-U-LYME...
19960307	234124.2	52.80	-2.74	349.9	322.3	10.6	3.4	SHREWSBURY,SHROPSHIRE	5	11	32	138	0.09	0.6	1.1	A*C	FELT SHREWSBURY...
19960308	035849.1	53.20	-1.09	460.7	366.9	1.0	1.7	MANSFIELD,NOTTS		9	30	115	0.35	2.0	3.8	C*C	C/F
19960316	062330.6	52.97	-2.27	381.9	341.2	1.8	2.3	NEW-U-LYME,STAFFS	3+	24	4	79	0.24	0.7	1.0	B*A	C/F,FELT NEW-U-LYME...
19960317	012951.3	52.73	-1.07	463.0	315.0	13.7	1.7	LEICESTER,LEICS		13	16	128	0.09	0.4	0.6	A*B	10KM NW OF LEICESTER
19960324	192806.6	52.97	-4.40	238.9	344.6	21.4	-0.2	LLEYN PENIN,GWYNEDD		7	2	185	0.08	1.2	1.0	B*D	
19960329	192855.0	56.12	-3.66	296.9	692.8	0.1	1.6	CLACKMANNAN,CENTRAL		10	17	94	0.08	0.3	0.6	A*C	C/F
19960331	182122.0	57.20	-5.43	193.1	817.2	4.0	-0.5	SHIEL BRIDGE,HIGHLAND		5	1	306	0.00	0.1	0.0	A*D	
19960402	010003.2	52.97	-4.42	237.8	344.2	20.4	1.2	LLEYN PENIN,GWYNEDD		11	1	108	0.09	0.6	1.2	A*B	
19960403	082808.9	57.28	-4.49	249.8	823.7	10.0	1.0	LOCH NESS,HIGHLAND		9	20	175	0.26	1.8	7.3	C*C	
19960411	002400.8	53.19	-1.13	457.9	366.3	0.1	1.3	WORKSOP,NOTTS		9	27	111	0.36	1.8	3.1	C*C	C/F
19960411	004219.2	54.57	-4.34	248.8	521.8	6.7	1.0	BURROW HEAD,D & G		11	32	129	0.14	0.5	8.7	C*C	13KM SSE OF BURROW HEAD
19960412	235251.0	53.23	-1.08	461.1	370.5	2.3	1.1	WORKSOP,NOTTS		5	30	216	0.04	1.0	1.3	B*D	C/F,8KM SOUTH OF WORKSOP
19960413	030259.1	56.12	-3.65	297.1	692.6	0.2	0.7	CLACKMANNAN,CENTRAL		7	17	124	0.07	0.4	1.0	A*C	C/F
19960415	005013.5	56.31	-4.22	262.5	715.3	4.5	1.1	CALLANDER,CENTRAL		11	15	208	0.08	0.7	0.9	A*D	
19960417	221745.0	48.90	-1.99	400.6	-111.3	8.5	0.6	JERSEY,CHANNEL ISLANDS		6	33	342	0.07	1.3		C*D	25KM SE OF JERSEY
19960420	094213.0	62.60	1.06	556.9	1417.1	15.0	2.2	NORTHERN NORTH SEA		62	97	354	0.03	2.5	1.6	B*D	
19960421	022719.8	53.61	-1.36	442.4	413.0	4.2	2.3	BARNSLEY,S YORKSHIRE		7	25	129	0.04	0.4	0.9	A*C	8KM NE OF BARNSLEY
19960421	182850.4	51.90	-4.20	248.5	224.4	8.6	2.2	CARMARTHEN,DYFED		14	17	85	0.14	0.5	0.9	A*B	7KM NE OF CARMARTHEN
19960423	122353.7	62.15	1.31	572.3	1368.0	11.7	1.8	NORTHERN NORTH SEA		62	62	353	0.05			D*D	
19960423	161956.8	53.08	-1.22	452.6	353.4	1.8	1.9	MANSFIELD,NOTTS		9	24	122	0.12	0.6	1.0	A*C	8KM SW OF MANSFIELD
19960425	085117.7	56.42	-4.45	248.8	728.2	2.5	1.5	BALQUIDDER,CENTRAL		15	27	107	0.06	0.3	0.5	A*C	7KM NW OF BALQUIDDER
19960426	054155.1	56.25	-3.75	291.4	707.9	4.4	0.4	BLACKFORD,CENTRAL		10	15	107	0.08	0.3	0.9	A*C	
19960426	112248.9	56.12	-3.66	296.7	692.8	1.3	1.1	CLACKMANNAN,CENTRAL		15	18	93	0.05	0.1	0.3	A*C	C/F

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 1996 continued

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
19960430	204900.0							SONIC-MID WALES									SONIC-FELT MID WALES
19960430	223839.2	53.02	-3.96	268.4	348.5	15.0	0.6	BLAENAU FFESTINIOG		10	20	180	0.21	1.6	5.2	C*C	
19960505	090808.4	53.04	-2.18	387.8	349.4	5.7	1.7	STOKE-ON-TRENT,STAFFS		14	23	98	0.18	0.7	1.3	B*C	
19960506	034929.1	53.04	-2.20	386.6	348.8	2.6	2.8	STOKE-ON-TRENT,STAFFS	4	23	24	95	0.11	0.3	1.0	A*C	FELT STOKE-ON-TRENT...
19960506	111029.6	53.03	-2.19	387.2	347.6	3.6	1.8	STOKE-ON-TRENT,STAFFS		13	23	97	0.10	0.4	0.9	A*C	
19960511	202849.9	53.03	-2.19	387.4	348.7	2.7	1.9	STOKE-ON-TRENT,STAFFS		19	23	139	0.14	0.6	1.4	A*C	
19960512	061358.3	57.47	-5.50	189.9	847.8	7.3	0.4	TORRIDON,HIGHLAND		5	13	225	0.02	1.3	0.5	B*D	
19960513	174109.2	54.85	-2.94	339.5	551.4	14.1	0.4	CARLISLE,CUMBRIA		10	6	107	0.04	0.3	0.6	A*B	
19960518	210154.5	56.16	-5.17	202.9	701.3	7.9	2.9	LOCH FYNE,STRATHCLYDE	3+	17	44	128	0.11	0.5	1.7	A*C	FELT FURNACE,INVERARAY..
19960520	104712.3	56.15	-5.21	200.9	699.8	8.2	1.5	LOCH FYNE,STRATHCLYDE		11	44	209	0.09	0.7	1.6	A*D	
19960521	041234.7	53.15	-0.99	467.4	362.0	0.3	0.9	MANSFIELD,NOTTS		4	34	200	0.09			A*D	C/F,12KM E OF MANSFIELD
19960521	111437.0							SONIC-ISLE OF MAN									SONIC-FELT ISLE OF MAN
19960522	001214.9	56.32	-5.92	157.7	721.3	6.1	1.8	MULL,STRATHCLYDE		16	67	239	0.05	0.9	0.9	A*D	
19960522	044131.4	52.91	-3.88	273.5	336.6	12.7	0.7	TRAWSFYNYDD,GWYNEDD		13	28	93	0.17	0.8	1.0	B*C	
19960522	102516.8	56.77	-5.12	209.2	768.4	8.0	1.0	FORT WILLIAM,HIGHLAND		7	52	190	0.12	2.5		C*D	
19960522	170636.4	52.97	-4.47	234.0	344.5	7.6	0.8	PWLLHELI,GWYNEDD		10	3	133	0.07	0.4	0.9	A*B	10KM NW OF PWLLHELI
19960524	054043.2	53.49	-4.46	236.9	401.6	11.3	-0.2	OFF ANGLESEY,IRISH SEA		8	13	278	0.18	3.8	2.4	C*D	7KM NORTH OF ANGLESEY
19960527	222119.3	50.83	-4.35	234.7	106.4	6.7	2.2	HOLSWORTHY,DEVON		18	20	102	0.11	0.6	1.4	A*C	
19960529	051957.6	55.30	-5.30	190.6	605.7	6.8	0.9	ARRAN,STRATHCLYDE		4	19	217	0.02			A*D	SOUTH OF ARRAN
19960602	004227.5	56.12	-3.65	297.2	692.7	2.0	0.8	CLACKMANNAN,CENTRAL		8	17	95	0.06	0.4	1.1	A*C	C/F
19960602	093033.1	53.39	-2.63	358.2	387.9	9.8	1.3	WARRINGTON,CHESHIRE		10	54	160	0.15	1.8	3.2	B*D	
19960602	211759.2	51.89	-5.07	188.5	225.4	6.9	1.6	HAVERFORDWEST,DYFED		12	21	218	0.06	0.6	0.5	A*D	10KM NW OF HAVERFORDWEST
19960605	141826.1	49.44	-1.89	408.2	-50.6	11.0	0.8	JERSEY,CHANNEL ISLANDS		6	27	339	0.23	11.3		D*D	25KM N OF JERSEY
19960607	005803.4	56.12	-3.67	296.3	692.7	0.0	1.1	CLACKMANNAN,CENTRAL		10	18	91	0.04	0.2	0.4	A*C	C/F
19960610	090918.3	56.12	-3.67	296.4	692.7	0.8	0.9	CLACKMANNAN,CENTRAL		6	18	116	0.02	0.2	0.4	A*C	C/F
19960614	073531.1	56.12	-3.66	296.6	693.2	0.0	1.4	CLACKMANNAN,CENTRAL		8	17	92	0.06	0.4	1.2	A*C	C/F
19960614	172719.9	55.33	-5.23	195.1	608.8	14.2	1.3	ARRAN,STRATHCLYDE		5	23	128	0.03	0.4	1.6	A*D	SOUTH OF ARRAN
19960614	220626.0	56.16	-5.05	210.8	700.7	8.1	1.0	LOCH FYNE,STRATHCLYDE		10	40	193	0.09	1.2	3.4	B*D	
19960615	215337.2	55.29	-5.30	190.7	604.3	5.8	0.8	ARRAN,STRATHCLYDE		4	20	213	0.05			A*D	SOUTH OF ARRAN
19960616	002514.1	56.83	-5.77	170.2	777.1	6.5	0.7	MOIDART,HIGHLAND		5	11	313	0.08	10.7	7.3	D*D	
19960616	071316.1	55.31	-5.28	191.6	606.4	7.6	1.0	ARRAN,STRATHCLYDE		4	20	221	0.04			A*D	SOUTH OF ARRAN
19960616	211542.6	56.11	-3.67	295.9	692.4	0.0	1.1	CLACKMANNAN,CENTRAL		13	18	90	0.06	0.2	0.4	A*C	C/F
19960619	111552.5	56.12	-3.67	296.0	692.8	1.0	1.1	CLACKMANNAN,CENTRAL		10	18	90	0.03	0.2	0.3	A*C	C/F
19960620	074714.1	52.16	-2.61	358.3	252.1	12.9	1.6	HEREFORD,HER & WOR		12	15	138	0.09	0.5	1.0	A*C	11KM NE OF HEREFORD
19960621	090408.7	56.11	-3.67	295.9	692.1	0.9	0.9	CLACKMANNAN,CENTRAL		8	19	128	0.04	0.3	0.5	A*C	C/F
19960622	132041.4	56.12	-3.67	296.2	692.6	0.9	1.4	CLACKMANNAN,CENTRAL		13	18	85	0.06	0.2	0.4	A*C	C/F
19960623	184741.6	55.28	-5.29	191.2	603.2	3.8	0.9	ARRAN,STRATHCLYDE		4	21	210	0.04			A*D	SOUTH OF ARRAN
19960625	004510.6	57.19	-5.50	188.6	817.0	8.2	-0.3	GLEN MORE,HIGHLAND		5	5	143	0.06	1.2	1.8	B*D	
19960625	033732.2	61.63	3.41	686.5	1316.8	15.0	3.9	NORTHERN NORTH SEA		33	87	188	0.36	1.2	1.4	C*D	
19960625	050643.8	54.77	-3.23	320.6	542.6	10.9	1.0	WIGTON,CUMBRIA		14	4	78	0.04	0.2	0.2	A*A	9KM SW OF WIGTON
19960626	015242.1	55.34	-5.26	193.0	609.7	13.9	2.2	ARRAN,STRATHCLYDE		10	21	117	0.04	0.2	0.4	A*B	SOUTH OF ARRAN
19960626	025612.5	55.30	-5.29	191.2	605.8	7.7	1.1	ARRAN,STRATHCLYDE		4	20	219	0.03			A*D	SOUTH OF ARRAN
19960627	111536.4	55.31	-5.29	191.5	606.2	7.0	0.8	ARRAN,STRATHCLYDE		4	20	220	0.02			A*D	SOUTH OF ARRAN
19960627	213855.5	56.12	-3.67	296.0	692.8	0.4	1.3	CLACKMANNAN,CENTRAL		12	18	90	0.05	0.2	0.6	A*C	C/F
19960628	010356.8	52.92	-4.54	229.0	338.6	21.4	0.8	PWLLHELI,GWYNEDD		10	11	145	0.06	0.7	1.1	A*C	8KM NW OF PWLLHELI

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 1996 continued

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
19960629	002529.7	55.93	-3.08	332.7	671.2	0.2	0.9	MUSSELBURGH,LOTHIAN		7	7	126	0.02	0.2	0.2	A*B	C/F
19960629	014055.0	55.30	-5.29	191.1	605.4	5.2	1.0	ARRAN,STRATHCLYDE		4	20	217	0.06			A*D	SOUTH OF ARRAN
19960706	061036.6	56.12	-3.68	295.8	692.9	0.6	0.9	CLACKMANNAN,CENTRAL		7	18	116	0.02	0.1	0.3	A*C	C/F
19960707	123741.3	49.07	-1.77	416.8	-92.4	8.0	0.7	JERSEY,CHANNEL ISLANDS		6	24	346	0.02	0.6	4.3	B*D	15KM SE OF JERSEY
19960710	013124.5	56.11	-3.67	296.1	692.5	0.6	1.0	CLACKMANNAN,CENTRAL		9	18	91	0.03	0.2	0.5	A*C	C/F
19960710	152247.6	53.33	-4.52	232.4	384.3	11.8	-0.7	ANGLESEY,GWYNEDD		5	6	137	0.01	0.3	0.5	A*D	
19960713	154651.0	56.12	-3.67	296.3	693.2	0.0	0.8	CLACKMANNAN,CENTRAL		8	17	106	0.04	0.2	0.4	A*C	C/F
19960718	094647.1	60.06	1.13	574.4	1134.9	11.3	2.3	NORTHERN NORTH SEA		13	129	282	0.10	3.5	4.5	C*D	
19960718	104247.4	57.75	-4.26	265.5	875.9	3.0	0.9	ALNESS,HIGHLAND		10	20	89	0.05	0.3	0.5	A*C	6KM NE OF ALNESS
19960722	013126.0	50.06	-6.31	91.4	26.4	8.1	0.9	SCILLY ISLES,CORNWALL		7	53	352	0.09	7.4		D*D	
19960723	150947.2	51.86	1.68	653.6	223.9	0.4	2.6	EXPL-OFF FELIXSTOWE		10	51	213	0.48	5.0		D*D	EXPL-ORDNANCE DETONATION
19960724	010958.2	53.20	-1.03	464.7	367.3	0.8	1.9	MANSFIELD,NOTTS		9	34	121	0.27	1.5	2.3	B*C	C/F,10KM NE OF MANSFIELD
19960726	005241.9	56.10	-3.69	294.9	690.9	1.0	0.8	CLACKMANNAN,CENTRAL		6	20	206	0.05	1.1	1.1	B*D	C/F
19960726	074211.6	61.81	2.40	632.0	1333.2	12.7	2.6	NORTHERN NORTH SEA		5	234	352	0.12			D*D	
19960727	052514.5	56.12	-3.66	296.6	692.7	0.2	1.0	CLACKMANNAN,CENTRAL		9	18	110	0.03	0.2	0.7	A*C	C/F
19960728	144213.3	55.34	-5.24	194.6	610.2	14.1	1.4	ARRAN,STRATHCLYDE		6	22	132	0.03	0.3	1.1	A*B	SOUTH OF ARRAN
19960730	094134.5	56.12	-3.68	295.8	692.9	0.3	1.5	CLACKMANNAN,CENTRAL		11	18	90	0.07	0.3	0.5	A*C	C/F
19960801	110132.9	53.36	-4.54	230.9	387.7	12.8	0.3	ANGLESEY,GWYNEDD		7	2	160	0.02	0.3	0.2	A*C	
19960801	205506.8	55.09	4.74	829.7	598.3	26.1	3.4	CENTRAL NORTH SEA		40	340	203	0.26	1.3	2.7	B*D	
19960802	174245.8	52.87	-3.51	298.1	331.6	7.7	0.9	BALA,GWYNEDD		9	18	162	0.10	1.3	7.3	C*C	7KM SE OF BALA
19960804	052504.9	55.34	-5.25	193.6	609.9	13.0	1.3	ARRAN,STRATHCLYDE		8	22	118	0.09	0.6	2.4	B*B	SOUTH OF ARRAN
19960809	044337.2	53.46	2.63	707.5	405.5	7.5	1.7	SOUTHERN NORTH SEA		7	106	334	0.19	7.5	3.7	D*D	
19960810	012854.6	52.95	2.18	680.7	347.9	8.5	1.8	SOUTHERN NORTH SEA		6	51	309	0.15	5.4		D*D	
19960811	043054.6	55.30	-5.32	189.6	605.6	7.6	0.9	ARRAN,STRATHCLYDE		4	18	215	0.05			A*D	SOUTH OF ARRAN
19960812	083533.8	55.30	-5.29	191.1	605.5	7.6	1.0	ARRAN,STRATHCLYDE		4	20	217	0.07			A*D	SOUTH OF ARRAN
19960815	010501.1	51.14	0.09	546.5	140.2	5.1	1.4	E GRINSTEAD,W SUSSEX		8	56	287	0.36	6.2	13.1	D*D	6KM EAST OF E GRINSTEAD
19960816	013225.2	48.99	-1.85	410.7	-101.6	9.1	0.2	JERSEY,CHANNEL ISLANDS		5	27	344	0.07	10.4		D*D	20KM SE OF JERSEY
19960818	043436.1	53.15	-4.74	217.1	365.3	16.1	1.9	CAERNARVON BAY		10	15	218	0.10	1.3	2.0	B*D	17KM SW OF HOLYHEAD
19960819	011859.3	52.69	-4.02	263.6	312.4	10.4	1.2	FAIRBOURNE,GWYNEDD		15	2	85	0.10	0.6	0.4	A*A	
19960819	175655.9	52.70	-4.02	263.8	313.3	9.7	0.5	FAIRBOURNE,GWYNEDD		13	2	72	0.12	0.9	0.7	A*A	
19960823	022901.9	50.11	-5.18	172.5	28.1	7.3	0.6	CONSTANTINE,CORNWALL		8	3	119	0.02	0.2	0.3	A*B	
19960825	004227.3	53.03	-2.19	387.2	348.4	3.9	1.9	STOKE-ON-TRENT,STAFFS		9	23	123	0.09	0.6	1.2	A*C	
19960825	065810.2	52.99	-3.99	266.1	345.6	23.5	0.5	BLAENAU FFESTINIOG		11	20	89	0.21	1.2	3.5	B*A	
19960826	111652.9	52.03	-3.59	290.9	238.2	18.0	2.1	SENNYBRIDGE,POWYS		12	23	102	0.07	0.4	1.5	A*B	8KM NORTH OF SENNYBRIDGE
19960827	112955.9	55.74	-3.20	324.7	650.6	0.0	0.6	EXPL-LOTHIAN	2+	8	10	126	0.06	0.3	0.4	A*C	EXPL-FELT COWIESLINN
19960828	043626.0	53.08	-2.18	388.0	353.4	11.8	1.3	STOKE-ON-TRENT,STAFFS		8	24	127	0.07	0.5	3.8	B*B	
19960828	044229.4	53.03	-2.20	386.9	348.2	2.4	1.2	STOKE-ON-TRENT,STAFFS		9	24	123	0.07	0.4	0.9	A*C	
19960828	182335.5	53.11	-4.39	240.2	360.2	17.6	-0.1	CAERNARVON BAY		7	15	113	0.10	1.2	3.2	B*B	
19960901	000006.3	52.49	-3.30	311.4	289.4	18.5	0.7	NEWTOWN,POWYS		10	16	81	0.07	0.5	0.7	A*A	
19960902	233550.2	53.10	-1.04	464.6	356.1	2.3	0.7	MANSFIELD,NOTTS		4	34	178	0.09			A*D	C/F,5KM SE OF MANSFIELD
19960903	004005.5	56.73	-5.12	209.1	764.7	6.0	0.9	FORT WILLIAM,HIGHLAND		7	48	245	0.13	0.6	1.2	A*D	9KM S OF FORT WILLIAM
19960906	002024.2	51.76	-3.29	311.0	207.1	6.7	0.5	MERTHYR TYDFIL,MID GLAM		9	34	158	0.06	0.4	2.0	B*C	
19960906	002851.8	62.31	1.23	567.4	1385.5	15.8	2.6	NORTHERN NORTH SEA		14	215	231	0.19	3.5	4.6	C*D	
19960906	123811.4	53.04	-4.46	235.3	351.8	13.0	1.2	CAERNARVON BAY		12	7	135	0.11	0.6	1.2	A*B	
19960910	214750.5	53.22	-1.03	464.6	369.6	2.5	1.0	OLLERTON,NOTTS		7	33	159	0.17	1.4	2.5	B*C	C/F

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 1996 continued

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
19960911	012700.2	53.79	-2.67	355.6	433.3	14.7	1.6	PRESTON,LANCASHIRE		7	61	117	0.08	0.8	2.1	B*D	
19960915	155725.6	57.43	-5.42	194.8	842.5	4.5	-0.2	STRATHCARRON,HIGHLAND		4	11	166	0.03			A*D	
19960920	040423.4	52.32	-3.33	309.4	269.7	14.4	3.0	LLANDRINDOD WELLS	4+	13	18	74	0.06	0.3	0.3	A*B	FELT LLANDRO'D WELLS...
19960922	043829.9	54.14	-3.65	292.4	472.7	7.8	1.0	IRISH SEA		9	24	140	0.12	1.1	5.4	C*C	27KM W BARROW-IN-FURNESS
19960922	065309.5	49.77	-5.78	127.8	-7.7	8.7	0.9	SW LANDS END,CORNWALL		10	45	324	0.06	2.5	13.9	C*D	
19960926	065059.2	55.07	-2.61	361.0	575.3	12.5	0.4	BEWCASTLE,CUMBRIA		9	19	107	0.09	0.7	2.5	B*B	5KM EAST OF BEWCASTLE
19961001	042446.9	50.47	-4.76	204.4	66.6	12.7	0.6	BODMIN,CORNWALL		9	42	226	0.06	2.1	0.3	B*D	
19961002	181327.8	55.93	-3.07	333.1	671.6	0.4	1.7	MUSSELBURGH,LOTHIAN	4-5	6	7	131	0.02	0.2	0.3	A*B	C/F,FELT MUSSELBURGH...
19961004	031744.4	53.24	-1.02	465.7	371.5	1.0	2.0	OLLERTON,NOTTS		9	34	89	0.16	0.8	1.5	B*C	C/F,3KM N OF OLLERTON
19961009	133931.8	55.94	-3.07	333.2	672.0	0.8	0.7	MUSSELBURGH,LOTHIAN		6	7	132	0.02	0.3	0.3	A*B	C/F
19961009	190418.1	53.11	-3.34	310.4	357.8	10.8	0.8	RUTHIN,CLWYD		10	23	230	0.10	1.4	0.8	B*D	
19961010	081237.3	55.95	-4.37	252.0	675.2	4.8	0.9	MILNGAVIE,STRATHCLYDE		8	17	120	0.04	0.2	0.8	A*C	
19961011	023539.9	55.93	-3.07	332.9	671.5	0.6	1.1	MUSSELBURGH,LOTHIAN	2+	5	7	211	0.02	0.4	0.3	A*D	C/F,FELT MUSSELBURGH...
19961014	215237.8	55.93	-3.07	333.1	671.6	0.5	1.6	MUSSELBURGH,LOTHIAN	5	6	7	131	0.02	0.2	0.3	A*B	C/F,FELT MUSSELBURGH...
19961014	222813.9	54.42	-3.05	332.1	503.4	6.1	-0.1	ELTERWATER,CUMBRIA		8	13	229	0.18	2.0	7.9	C*D	
19961015	054241.0	54.70	-2.63	359.1	533.7	8.5	1.8	PENRITH,CUMBRIA		17	23	100	0.09	0.4	2.9	B*C	9KM EAST OF PENRITH
19961018	033224.3	55.93	-3.07	333.1	671.6	0.4	1.1	MUSSELBURGH,LOTHIAN	2+	5	7	212	0.01	0.2	0.2	A*D	C/F,FELT MUSSELBURGH...
19961018	033648.2	55.93	-3.07	332.9	671.2	0.5	0.3	MUSSELBURGH,LOTHIAN	2+	5	7	188	0.00	0.1	0.0	A*D	C/F,FELT MUSSELBURGH...
19961018	210911.1	53.13	-1.02	465.4	360.1	2.0	2.1	MANSFIELD,NOTTS	3+	10	29	146	0.35	1.8	2.8	C*C	C/F,FELT WELLOW...
19961020	124812.9	56.40	-3.98	277.6	724.9	5.8	1.4	COMRIE,TAYSIDE	3+	12	19	202	0.13	1.4	2.2	B*D	FELT COMRIE
19961021	112605.2	55.93	-3.07	332.9	671.4	0.7	1.9	MUSSELBURGH,LOTHIAN	4-5	6	7	130	0.02	0.2	0.2	A*B	C/F,FELT MUSSELBURGH...
19961024	104104.6	49.37	-2.35	374.3	-58.5	5.9	0.8	JERSEY,CHANNEL ISLANDS		6	20	340	0.03	0.8	3.8	B*D	17KM NW OF JERSEY
19961024	183755.1	60.20	-1.62	420.9	1145.6	6.8	0.2	SHETLAND ISLANDS		6	7	232	0.02	0.3	0.2	A*D	
19961025	005317.5	55.93	-3.08	332.3	670.8	1.3	0.4	MUSSELBURGH,LOTHIAN		5	1	207	0.02	1.3	0.7	B*D	C/F
19961025	005807.5	55.94	-3.08	332.4	672.2	1.7	0.2	MUSSELBURGH,LOTHIAN		5	1	277	0.01	0.3	0.1	A*D	C/F
19961025	005830.0	55.94	-3.09	332.2	672.3	1.7	0.9	MUSSELBURGH,LOTHIAN	2+	5	1	277	0.01	0.2	0.0	A*D	C/F,FELT MUSSELBURGH...
19961025	043221.6	53.74	-1.16	455.4	427.7	7.2	1.4	HARROGATE,N YORKSHIRE		10	39	94	0.20	1.1	4.8	B*C	
19961025	123718.1	55.93	-3.08	332.3	671.7	1.5	2.0	MUSSELBURGH,LOTHIAN	5	7	1	194	0.02	0.3	0.1	A*D	C/F,FELT MUSSELBURGH...
19961026	004907.3	55.94	-3.09	332.2	672.2	1.8	0.6	MUSSELBURGH,LOTHIAN	2+	5	1	276	0.00	0.1	0.0	A*D	C/F,FELT MUSSELBURGH...
19961028	112444.0	55.93	-3.09	332.1	671.2	1.7	0.4	MUSSELBURGH,LOTHIAN		5	0	239	0.03	1.4	0.6	B*D	C/F
19961028	203654.1	55.93	-3.08	332.4	671.4	1.5	1.9	MUSSELBURGH,LOTHIAN	4	8	0	130	0.03	0.2	0.1	A*B	C/F,FELT MUSSELBURGH...
19961029	143440.1	55.94	-3.08	332.3	672.1	1.7	1.6	MUSSELBURGH,LOTHIAN	2+	7	1	198	0.01	0.2	0.0	A*D	C/F,FELT MUSSELBURGH...
19961030	041346.0	55.94	-3.09	332.2	672.6	1.1	0.4	MUSSELBURGH,LOTHIAN		4	1	296	0.00			A*D	C/F
19961030	123321.2	55.94	-3.09	332.2	672.0	1.7	0.0	MUSSELBURGH,LOTHIAN		6	1	147	0.01	0.1	0.0	A*C	C/F
19961030	151914.9	52.96	-4.37	241.0	342.5	20.3	0.6	LLEYN PENIN,GWYNEDD		9	5	101	0.07	0.5	1.2	A*B	
19961030	164636.4	55.94	-3.09	332.2	671.9	1.7	0.5	MUSSELBURGH,LOTHIAN	2+	7	1	140	0.01	0.1	0.0	A*C	C/F,FELT MUSSELBURGH...
19961030	165249.4	55.94	-3.08	332.3	672.2	1.7	1.7	MUSSELBURGH,LOTHIAN	3+	8	0	151	0.03	0.3	0.1	A*C	C/F,FELT MUSSELBURGH...
19961031	012631.9	55.93	-3.08	332.3	671.8	1.8	-0.3	MUSSELBURGH,LOTHIAN		5	1	190	0.01	0.1	0.1	A*D	C/F
19961031	075330.8	55.93	-3.08	332.5	671.7	1.6	1.2	MUSSELBURGH,LOTHIAN	3+	8	1	108	0.03	0.3	0.1	A*B	C/F,FELT MUSSELBURGH...
19961031	075701.6	55.94	-3.09	332.2	672.2	1.7	0.1	MUSSELBURGH,LOTHIAN		6	0	157	0.01	0.1	0.0	A*C	C/F
19961031	102633.9	55.94	-3.09	332.2	672.0	1.7	0.7	MUSSELBURGH,LOTHIAN	2+	6	1	142	0.01	0.1	0.0	A*C	C/F,FELT MUSSELBURGH...
19961031	125212.1	61.58	3.65	699.6	1312.3	20.8	3.8	NORTHERN NORTH SEA		19	280	331	0.10			D*D	
19961031	125743.4	61.59	3.73	704.1	1313.9	15.0	3.9	NORTHERN NORTH SEA		17	284	332	0.11			D*D	
19961031	225617.5	55.94	-3.08	332.5	672.4	1.7	0.5	MUSSELBURGH,LOTHIAN		5	1	278	0.01	0.3	0.1	A*D	C/F
19961031	234739.1	61.65	3.65	699.2	1320.3	15.0	3.7	NORTHERN NORTH SEA		9	283	342	0.09			D*D	

TABLE 1: CATALOGUE OF EVENTS LISTED CHRONOLOGICALLY: 1996 continued

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
19961101	035331.4	55.94	-3.08	332.8	672.2	1.1	0.4	MUSSELBURGH,LOTHIAN		4	7	277	0.00			A*D	C/F
19961101	042318.6	56.13	-3.68	295.5	693.8	0.8	1.3	CLACKMANNAN,CENTRAL		14	17	85	0.04	0.1	0.3	A*C	C/F
19961101	175022.6	55.94	-3.09	332.0	672.2	1.7	0.9	MUSSELBURGH,LOTHIAN	3+	6	1	168	0.01	0.1	0.1	A*C	C/F,FELT MUSSELBURGH...
19961104	142538.0	55.93	-3.08	332.3	671.6	1.5	1.4	MUSSELBURGH,LOTHIAN	4	8	0	121	0.02	0.1	0.1	A*B	C/F,FELT MUSSELBURGH...
19961104	142629.9	55.94	-3.09	332.2	672.1	1.7	0.5	MUSSELBURGH,LOTHIAN	2+	6	1	149	0.00	0.0	0.0	A*C	C/F,FELT MUSSELBURGH...
19961105	151459.7	55.93	-3.08	332.3	671.7	1.5	1.3	MUSSELBURGH,LOTHIAN	4	7	1	123	0.03	0.3	0.2	A*B	C/F,FELT MUSSELBURGH...
19961107	134644.4	55.94	-3.09	332.2	672.1	1.8	1.2	MUSSELBURGH,LOTHIAN	3+	7	0	151	0.02	0.2	0.1	A*C	C/F,FELT MUSSELBURGH...
19961108	025705.8	60.40	0.81	554.91	172.2	19.5	1.9	EAST OF SHETLAND		7	105	310	0.18		15.4	D*D	
19961110	092833.8	50.00	-5.58	143.8	17.8	9.6	3.8	PENZANCE,CORNWALL	5	11	17	278	0.04	0.9	2.0	B*D	FELT CORNWALL & DEVON
19961110	100405.5	50.01	-5.58	143.2	17.9	11.8	1.1	PENZANCE,CORNWALL		9	17	280	0.03	1.0	1.9	A*D	OFFSHORE LOCATION
19961110	102830.3	50.01	-5.58	143.3	18.2	9.9	0.5	PENZANCE,CORNWALL		9	16	279	0.02	0.6	1.6	A*D	OFFSHORE LOCATION
19961110	205454.4	50.02	-5.58	143.8	19.3	8.8	0.1	PENZANCE,CORNWALL		9	15	275	0.02	0.5	1.5	A*D	OFFSHORE LOCATION
19961111	213625.4	55.93	-3.09	332.1	671.8	1.6	0.5	MUSSELBURGH,LOTHIAN	2+	7	1	138	0.01	0.1	0.1	A*C	C/F,FELT MUSSELBURGH...
19961112	120052.5	55.94	-3.09	332.1	672.3	1.9	1.0	MUSSELBURGH,LOTHIAN	3+	6	0	178	0.03	0.5	0.2	A*C	C/F,FELT MUSSELBURGH...
19961113	184208.6	55.93	-3.09	331.7	671.3	1.6	-0.4	MUSSELBURGH,LOTHIAN		4	0	200	0.04			A*D	C/F
19961114	213202.2	55.93	-3.08	332.4	671.0	1.5	0.5	MUSSELBURGH,LOTHIAN		6	0	209	0.02	0.3	0.2	A*D	C/F
19961115	202124.0	55.94	-3.09	332.2	671.9	1.7	0.5	MUSSELBURGH,LOTHIAN		9	1	132	0.02	0.2	0.1	A*B	C/F
19961116	013203.5	54.41	-3.06	331.3	502.2	8.9	0.4	ELTERWATER,CUMBRIA		8	12	226	0.14	2.1	3.2	B*D	3KM SOUTH OF ELTERWATER
19961117	030627.5	53.42	-2.68	354.9	391.4	9.7	2.0	ST HELENS,MERSEYSIDE		20	56	74	0.13	0.4	1.4	A*D	
19961118	000356.4	51.77	-3.84	273.2	209.1	5.5	1.0	GLANAMAN,DYFED		8	22	164	0.06	2.2	6.2	C*C	
19961119	115837.0							SONIC-LOTHIAN									SONIC-FELT LOTHIAN
19961123	020022.1	48.99	-4.26	234.5	-98.8	15.9	1.6	ENGLISH CHANNEL		51	46	252	0.19	2.9	4.3	C*D	
19961123	205550.2	55.94	-3.08	332.5	672.1	1.8	0.4	MUSSELBURGH,LOTHIAN		8	0	155	0.02	0.2	0.1	A*C	C/F
19961125	013242.7	53.09	2.44	697.0	363.5	10.2	2.1	SOUTHERN NORTH SEA		6	72	330	0.06	1.3	1.3	B*D	
19961126	040430.5	50.88	-3.93	263.9	110.4	5.8	1.5	OKEHAMPTON,DEVON		16	23	152	0.21	2.0	4.5	B*C	17KM NE OF OKEHAMPTON
19961201	070437.3	55.93	-3.08	332.3	671.7	1.8	0.5	MUSSELBURGH,LOTHIAN		6	1	149	0.01	0.1	0.0	A*C	C/F
19961208	010604.8	51.51	-0.63	495.2	179.9	1.2	1.9	MAIDENHEAD,BERKSHIRE		14	27	99	0.17	0.6	3.2	B*C	
19961216	040903.5	61.01	3.68	706.81	250.0	13.7	3.3	NORTHERN NORTH SEA	2+	21	59	150	0.25	1.3	1.8	B*D	FELT FEDJE FYR & VAKSDAL
19961224	214320.9	57.56	-5.64	182.6	858.3	6.8	0.3	TORRIDON,HIGHLAND		4	21	287	0.11			A*D	7KM NW OF TORRIDON
19961226	000045.2	56.79	-5.77	169.6	772.9	7.6	0.8	MOIDART,HIGHLAND		4	51	342	0.15			A*D	
19961229	043550.6	55.28	-5.34	187.9	603.9	3.5	0.9	ARRAN,STRATHCLYDE		4	18	206	0.05			A*D	SOUTH OF ARRAN
19961231	090626.8	53.42	-4.64	224.5	394.7	16.9	-0.2	OFF ANGLESEY,GWYNEDD		5	8	290	0.01	0.4	0.1	A*D	
19961231	121033.4	52.86	-2.22	385.0	329.7	7.6	1.6	STAFFORD,STAFFORDSHIRE		16	59	119	0.21	0.9	6.0	C*D	7KM NW OF STAFFORD

TABLE 2

CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 1996

KEY TO BULLETIN ENCODING

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

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

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

Locality abbreviations

Sonic	:	Sonic boom	Mid Glam	:	Mid Glamorgan
Expl	:	Explosion	Notts	:	Nottinghamshire
D & G	:	Dumfries and Galloway	S'Clyde	:	Strathclyde
Her & Wor	:	Hereford and Worcester	S Yorkshire	:	South Yorkshire
Gtr Manchester	:	Greater Manchester	N Yorkshire	:	North Yorkshire
Leics	:	Leicestershire	Staffs	:	Staffordshire
New-U-Lyme	:	Newcastle-Under-Lyme	W Sussex	:	West Sussex
Penin	:	Peninsula			

Comments abbreviations

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

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 1996

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
19960420	094213.0	62.60	1.06	556.91	417.1	15.0	2.2	NORTHERN NORTH SEA		6	297	354	0.03	2.5	1.6	B*D	
19960906	002851.8	62.31	1.23	567.41	385.5	15.8	2.6	NORTHERN NORTH SEA		14	215	231	0.19	3.5	4.6	C*D	
19960423	122353.7	62.15	1.31	572.31	368.0	11.7	1.8	NORTHERN NORTH SEA		6	262	353	0.05			D*D	
19960726	074211.6	61.81	2.40	632.01	333.2	12.7	2.6	NORTHERN NORTH SEA		5	234	352	0.12			D*D	
19961031	234739.1	61.65	3.65	699.21	320.3	15.0	3.7	NORTHERN NORTH SEA		9	283	342	0.09			D*D	
19960625	033732.2	61.63	3.41	686.51	316.8	15.0	3.9	NORTHERN NORTH SEA		33	87	188	0.36	1.2	1.4	C*D	
19961031	125743.4	61.59	3.73	704.11	313.9	15.0	3.9	NORTHERN NORTH SEA		17	284	332	0.11			D*D	
19961031	125212.1	61.58	3.65	699.61	312.3	20.8	3.8	NORTHERN NORTH SEA		19	280	331	0.10			D*D	
19961216	040903.5	61.01	3.68	706.81	250.0	13.7	3.3	NORTHERN NORTH SEA	2+	21	59	150	0.25	1.3	1.8	B*D	FELT FEDJE FYR & VAKSDAL
19961108	025705.8	60.40	0.81	554.91	172.2	19.5	1.9	EAST OF SHETLAND		7	105	310	0.18		15.4	D*D	
19961024	183755.1	60.20	-1.62	420.91	145.6	6.8	0.2	SHETLAND ISLANDS		6	7	232	0.02	0.3	0.2	A*D	
19960718	094647.1	60.06	1.13	574.41	134.9	11.3	2.3	NORTHERN NORTH SEA		13	129	282	0.10	3.5	4.5	C*D	
19960718	104247.4	57.75	-4.26	265.5	875.9	3.0	0.9	ALNESS,HIGHLAND		10	20	89	0.05	0.3	0.5	A*C	6KM NE OF ALNESS
19960220	204253.9	57.67	-5.50	191.3	869.3	5.8	0.7	TORRIDON,HIGHLAND		10	22	133	0.12	0.8	1.1	A*C	
19961224	214320.9	57.56	-5.64	182.6	858.3	6.8	0.3	TORRIDON,HIGHLAND		4	21	287	0.11			A*D	7KM NW OF TORRIDON
19960512	061358.3	57.47	-5.50	189.9	847.8	7.3	0.4	TORRIDON,HIGHLAND		5	13	225	0.02	1.3	0.5	B*D	
19960915	155725.6	57.43	-5.42	194.8	842.5	4.5	-0.2	STRATHCARRON,HIGHLAND		4	11	166	0.03			A*D	
19960307	053457.5	57.29	-5.10	213.1	826.8	7.1	0.4	GLENAFFRIC,HIGHLAND		5	21	254	0.09	2.4	3.0	B*D	
19960403	082808.9	57.28	-4.49	249.8	823.7	10.0	1.0	LOCH NESS,HIGHLAND		9	20	175	0.26	1.8	7.3	C*C	
19960331	182122.0	57.20	-5.43	193.1	817.2	4.0	-0.5	SHIEL BRIDGE,HIGHLAND		5	1	306	0.00	0.1	0.0	A*D	
19960625	004510.6	57.19	-5.50	188.6	817.0	8.2	-0.3	GLEN MORE,HIGHLAND		5	5	143	0.06	1.2	1.8	B*D	
19960204	002528.0	57.09	-5.70	175.6	806.1	4.8	1.5	KNOYDART,HIGHLAND		13	21	103	0.12	0.2	0.4	A*C	
19960103	062125.6	56.86	-5.61	179.7	779.7	1.3	1.3	LOCHAILORT,HIGHLAND		5	15	281	0.07	1.5	1.3	B*D	
19960616	002514.1	56.83	-5.77	170.2	777.1	6.5	0.7	MOIDART,HIGHLAND		5	11	313	0.08	10.7	7.3	D*D	
19961226	000045.2	56.79	-5.77	169.6	772.9	7.6	0.8	MOIDART,HIGHLAND		4	51	342	0.15			A*D	
19960522	102516.8	56.77	-5.12	209.2	768.4	8.0	1.0	FORT WILLIAM,HIGHLAND		7	52	190	0.12	2.5		C*D	
19960903	004005.5	56.73	-5.12	209.1	764.7	6.0	0.9	FORT WILLIAM,HIGHLAND		7	48	245	0.13	0.6	1.2	A*D	9KM S OF FORT WILLIAM
19960425	085117.7	56.42	-4.45	248.8	728.2	2.5	1.5	BALQUIDDER,CENTRAL		15	27	107	0.06	0.3	0.5	A*C	7KM NW OF BALQUIDDER
19961020	124812.9	56.40	-3.98	277.6	724.9	5.8	1.4	COMRIE,TAYSIDE	3+	12	19	202	0.13	1.4	2.2	B*D	FELT COMRIE
19960522	001214.9	56.32	-5.92	157.7	721.3	6.1	1.8	MULL,STRATHCLYDE		16	67	239	0.05	0.9	0.9	A*D	
19960415	005013.5	56.31	-4.22	262.5	715.3	4.5	1.1	CALLANDER,CENTRAL		11	15	208	0.08	0.7	0.9	A*D	
19960103	122738.7	56.25	-3.75	291.3	707.4	4.3	0.9	OCHIL HILLS,CENTRAL		6	15	106	0.02	0.1	0.5	A*C	
19960426	054155.1	56.25	-3.75	291.4	707.9	4.4	0.4	BLACKFORD,CENTRAL		10	15	107	0.08	0.3	0.9	A*C	
19960518	210154.5	56.16	-5.17	202.9	701.3	7.9	2.9	LOCH FYNE,STRATHCLYDE	3+	17	44	128	0.11	0.5	1.7	A*C	FELT FURNACE,INVERARAY..
19960614	220626.0	56.16	-5.05	210.8	700.7	8.1	1.0	LOCH FYNE,STRATHCLYDE		10	40	193	0.09	1.2	3.4	B*D	
19960520	104712.3	56.15	-5.21	200.9	699.8	8.2	1.5	LOCH FYNE,STRATHCLYDE		11	44	209	0.09	0.7	1.6	A*D	
19960121	220602.4	56.14	-3.71	293.6	695.4	0.3	0.8	CLACKMANNAN,CENTRAL		6	18	128	0.10	0.7	1.1	A*C	C/F
19961101	042318.6	56.13	-3.68	295.5	693.8	0.8	1.3	CLACKMANNAN,CENTRAL		14	17	85	0.04	0.1	0.3	A*C	C/F
19960329	192855.0	56.12	-3.66	296.9	692.8	0.1	1.6	CLACKMANNAN,CENTRAL		10	17	94	0.08	0.3	0.6	A*C	C/F
19960413	030259.1	56.12	-3.65	297.1	692.6	0.2	0.7	CLACKMANNAN,CENTRAL		7	17	124	0.07	0.4	1.0	A*C	C/F
19960426	112248.9	56.12	-3.66	296.7	692.8	1.3	1.1	CLACKMANNAN,CENTRAL		15	18	93	0.05	0.1	0.3	A*C	C/F
19960602	004227.5	56.12	-3.65	297.2	692.7	2.0	0.8	CLACKMANNAN,CENTRAL		8	17	95	0.06	0.4	1.1	A*C	C/F
19960607	005803.4	56.12	-3.67	296.3	692.7	0.0	1.1	CLACKMANNAN,CENTRAL		10	18	91	0.04	0.2	0.4	A*C	C/F

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 1996 continued

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
19960610	090918.3	56.12	-3.67	296.4	692.7	0.8	0.9	CLACKMANNAN,CENTRAL		6	18	116	0.02	0.2	0.4	A*C	C/F
19960614	073531.1	56.12	-3.66	296.6	693.2	0.0	1.4	CLACKMANNAN,CENTRAL		8	17	92	0.06	0.4	1.2	A*C	C/F
19960619	111552.5	56.12	-3.67	296.0	692.8	1.0	1.1	CLACKMANNAN,CENTRAL		10	18	90	0.03	0.2	0.3	A*C	C/F
19960622	132041.4	56.12	-3.67	296.2	692.6	0.9	1.4	CLACKMANNAN,CENTRAL		13	18	85	0.06	0.2	0.4	A*C	C/F
19960627	213855.5	56.12	-3.67	296.0	692.8	0.4	1.3	CLACKMANNAN,CENTRAL		12	18	90	0.05	0.2	0.6	A*C	C/F
19960706	061036.6	56.12	-3.68	295.8	692.9	0.6	0.9	CLACKMANNAN,CENTRAL		7	18	116	0.02	0.1	0.3	A*C	C/F
19960713	154651.0	56.12	-3.67	296.3	693.2	0.0	0.8	CLACKMANNAN,CENTRAL		8	17	106	0.04	0.2	0.4	A*C	C/F
19960727	052514.5	56.12	-3.66	296.6	692.7	0.2	1.0	CLACKMANNAN,CENTRAL		9	18	110	0.03	0.2	0.7	A*C	C/F
19960730	094134.5	56.12	-3.68	295.8	692.9	0.3	1.5	CLACKMANNAN,CENTRAL		11	18	90	0.07	0.3	0.5	A*C	C/F
19960616	211542.6	56.11	-3.67	295.9	692.4	0.0	1.1	CLACKMANNAN,CENTRAL		13	18	90	0.06	0.2	0.4	A*C	C/F
19960621	090408.7	56.11	-3.67	295.9	692.1	0.9	0.9	CLACKMANNAN,CENTRAL		8	19	128	0.04	0.3	0.5	A*C	C/F
19960710	013124.5	56.11	-3.67	296.1	692.5	0.6	1.0	CLACKMANNAN,CENTRAL		9	18	91	0.03	0.2	0.5	A*C	C/F
19960726	005241.9	56.10	-3.69	294.9	690.9	1.0	0.8	CLACKMANNAN,CENTRAL		6	20	206	0.05	1.1	1.1	B*D	C/F
19960203	194154.0	56.04	-5.24	198.0	687.8	7.2	1.9	LOCHGILPHEAD,S'CLYDE	2+	19	38	144	0.13	0.5	1.9	A*C	FELT LOCHGILPHEAD
19960120	065243.0	55.96	-5.11	205.8	678.9	12.8	0.5	DUNOON,STRATHCLYDE		5	26	303	0.01	0.5	1.3	A*D	12KM WNW DUNOON
19961010	081237.3	55.95	-4.37	252.0	675.2	4.8	0.9	MILNGAVIE,STRATHCLYDE		8	17	120	0.04	0.2	0.8	A*C	
19961009	133931.8	55.94	-3.07	333.2	672.0	0.8	0.7	MUSSELBURGH,LOTHIAN		6	7	132	0.02	0.3	0.3	A*B	C/F
19961025	005807.5	55.94	-3.08	332.4	672.2	1.7	0.2	MUSSELBURGH,LOTHIAN		5	1	277	0.01	0.3	0.1	A*D	C/F
19961025	005830.0	55.94	-3.09	332.2	672.3	1.7	0.9	MUSSELBURGH,LOTHIAN	2+	5	1	277	0.01	0.2	0.0	A*D	C/F,FELT MUSSELBURGH...
19961026	004907.3	55.94	-3.09	332.2	672.2	1.8	0.6	MUSSELBURGH,LOTHIAN	2+	5	1	276	0.00	0.1	0.0	A*D	C/F,FELT MUSSELBURGH...
19961029	143440.1	55.94	-3.08	332.3	672.1	1.7	1.6	MUSSELBURGH,LOTHIAN	2+	7	1	198	0.01	0.2	0.0	A*D	C/F,FELT MUSSELBURGH...
19961030	041346.0	55.94	-3.09	332.2	672.6	1.1	0.4	MUSSELBURGH,LOTHIAN		4	1	296	0.00			A*D	C/F
19961030	123321.2	55.94	-3.09	332.2	672.0	1.7	0.0	MUSSELBURGH,LOTHIAN		6	1	147	0.01	0.1	0.0	A*C	C/F
19961030	164636.4	55.94	-3.09	332.2	671.9	1.7	0.5	MUSSELBURGH,LOTHIAN	2+	7	1	140	0.01	0.1	0.0	A*C	C/F,FELT MUSSELBURGH...
19961030	165249.4	55.94	-3.08	332.3	672.2	1.7	1.7	MUSSELBURGH,LOTHIAN	3+	8	0	151	0.03	0.3	0.1	A*C	C/F,FELT MUSSELBURGH...
19961031	075701.6	55.94	-3.09	332.2	672.2	1.7	0.1	MUSSELBURGH,LOTHIAN		6	0	157	0.01	0.1	0.0	A*C	C/F
19961031	102633.9	55.94	-3.09	332.2	672.0	1.7	0.7	MUSSELBURGH,LOTHIAN	2+	6	1	142	0.01	0.1	0.0	A*C	C/F,FELT MUSSELBURGH...
19961031	225617.5	55.94	-3.08	332.5	672.4	1.7	0.5	MUSSELBURGH,LOTHIAN		5	1	278	0.01	0.3	0.1	A*D	C/F
19961101	035331.4	55.94	-3.08	332.8	672.2	1.1	0.4	MUSSELBURGH,LOTHIAN		4	7	277	0.00			A*D	C/F
19961101	175022.6	55.94	-3.09	332.0	672.2	1.7	0.9	MUSSELBURGH,LOTHIAN	3+	6	1	168	0.01	0.1	0.1	A*C	C/F,FELT MUSSELBURGH...
19961104	142629.9	55.94	-3.09	332.2	672.1	1.7	0.5	MUSSELBURGH,LOTHIAN	2+	6	1	149	0.00	0.0	0.0	A*C	C/F,FELT MUSSELBURGH...
19961107	134644.4	55.94	-3.09	332.2	672.1	1.8	1.2	MUSSELBURGH,LOTHIAN	3+	7	0	151	0.02	0.2	0.1	A*C	C/F,FELT MUSSELBURGH...
19961112	120052.5	55.94	-3.09	332.1	672.3	1.9	1.0	MUSSELBURGH,LOTHIAN	3+	6	0	178	0.03	0.5	0.2	A*C	C/F,FELT MUSSELBURGH...
19961115	202124.0	55.94	-3.09	332.2	671.9	1.7	0.5	MUSSELBURGH,LOTHIAN		9	1	132	0.02	0.2	0.1	A*B	C/F
19961123	205550.2	55.94	-3.08	332.5	672.1	1.8	0.4	MUSSELBURGH,LOTHIAN		8	0	155	0.02	0.2	0.1	A*C	C/F
19960629	002529.7	55.93	-3.08	332.7	671.2	0.2	0.9	MUSSELBURGH,LOTHIAN		7	7	126	0.02	0.2	0.2	A*B	C/F
19961002	181327.8	55.93	-3.07	333.1	671.6	0.4	1.7	MUSSELBURGH,LOTHIAN	4-5	6	7	131	0.02	0.2	0.3	A*B	C/F,FELT MUSSELBURGH...
19961011	023539.9	55.93	-3.07	332.9	671.5	0.6	1.1	MUSSELBURGH,LOTHIAN	2+	5	7	211	0.02	0.4	0.3	A*D	C/F,FELT MUSSELBURGH...
19961014	215237.8	55.93	-3.07	333.1	671.6	0.5	1.6	MUSSELBURGH,LOTHIAN	5	6	7	131	0.02	0.2	0.3	A*B	C/F,FELT MUSSELBURGH...
19961018	033224.3	55.93	-3.07	333.1	671.6	0.4	1.1	MUSSELBURGH,LOTHIAN	2+	5	7	212	0.01	0.2	0.2	A*D	C/F,FELT MUSSELBURGH...
19961018	033648.2	55.93	-3.07	332.9	671.2	0.5	0.3	MUSSELBURGH,LOTHIAN	2+	5	7	188	0.00	0.1	0.0	A*D	C/F,FELT MUSSELBURGH...
19961021	112605.2	55.93	-3.07	332.9	671.4	0.7	1.9	MUSSELBURGH,LOTHIAN	4-5	6	7	130	0.02	0.2	0.2	A*B	C/F,FELT MUSSELBURGH...
19961025	005317.5	55.93	-3.08	332.3	670.8	1.3	0.4	MUSSELBURGH,LOTHIAN		5	1	207	0.02	1.3	0.7	B*D	C/F
19961025	123718.1	55.93	-3.08	332.3	671.7	1.5	2.0	MUSSELBURGH,LOTHIAN	5	7	1	194	0.02	0.3	0.1	A*D	C/F,FELT MUSSELBURGH...
19961028	112444.0	55.93	-3.09	332.1	671.2	1.7	0.4	MUSSELBURGH,LOTHIAN		5	0	239	0.03	1.4	0.6	B*D	C/F

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 1996 continued

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
19961028	203654.1	55.93	-3.08	332.4	671.4	1.5	1.9	MUSSELBURGH,LOTHIAN	4	8	0	130	0.03	0.2	0.1	A*B	C/F,FELT MUSSELBURGH...
19961031	012631.9	55.93	-3.08	332.3	671.8	1.8	-0.3	MUSSELBURGH,LOTHIAN		5	1	190	0.01	0.1	0.1	A*D	C/F
19961031	075330.8	55.93	-3.08	332.5	671.7	1.6	1.2	MUSSELBURGH,LOTHIAN	3+	8	1	108	0.03	0.3	0.1	A*B	C/F,FELT MUSSELBURGH...
19961104	142538.0	55.93	-3.08	332.3	671.6	1.5	1.4	MUSSELBURGH,LOTHIAN	4	8	0	121	0.02	0.1	0.1	A*B	C/F,FELT MUSSELBURGH...
19961105	151459.7	55.93	-3.08	332.3	671.7	1.5	1.3	MUSSELBURGH,LOTHIAN	4	7	1	123	0.03	0.3	0.2	A*B	C/F,FELT MUSSELBURGH...
19961111	213625.4	55.93	-3.09	332.1	671.8	1.6	0.5	MUSSELBURGH,LOTHIAN	2+	7	1	138	0.01	0.1	0.1	A*C	C/F,FELT MUSSELBURGH...
19961113	184208.6	55.93	-3.09	331.7	671.3	1.6	-0.4	MUSSELBURGH,LOTHIAN		4	0	200	0.04			A*D	C/F
19961114	213202.2	55.93	-3.08	332.4	671.0	1.5	0.5	MUSSELBURGH,LOTHIAN		6	0	209	0.02	0.3	0.2	A*D	C/F
19961201	070437.3	55.93	-3.08	332.3	671.7	1.8	0.5	MUSSELBURGH,LOTHIAN		6	1	149	0.01	0.1	0.0	A*C	C/F
19960626	015242.1	55.34	-5.26	193.0	609.7	13.9	2.2	ARRAN,STRATHCLYDE		10	21	117	0.04	0.2	0.4	A*B	SOUTH OF ARRAN
19960728	144213.3	55.34	-5.24	194.6	610.2	14.1	1.4	ARRAN,STRATHCLYDE		6	22	132	0.03	0.3	1.1	A*B	SOUTH OF ARRAN
19960804	052504.9	55.34	-5.25	193.6	609.9	13.0	1.3	ARRAN,STRATHCLYDE		8	22	118	0.09	0.6	2.4	B*B	SOUTH OF ARRAN
19960614	172719.9	55.33	-5.23	195.1	608.8	14.2	1.3	ARRAN,STRATHCLYDE		5	23	128	0.03	0.4	1.6	A*D	SOUTH OF ARRAN
19960616	071316.1	55.31	-5.28	191.6	606.4	7.6	1.0	ARRAN,STRATHCLYDE		4	20	221	0.04			A*D	SOUTH OF ARRAN
19960627	111536.4	55.31	-5.29	191.5	606.2	7.0	0.8	ARRAN,STRATHCLYDE		4	20	220	0.02			A*D	SOUTH OF ARRAN
19960529	051957.6	55.30	-5.30	190.6	605.7	6.8	0.9	ARRAN,STRATHCLYDE		4	19	217	0.02			A*D	SOUTH OF ARRAN
19960626	025612.5	55.30	-5.29	191.2	605.8	7.7	1.1	ARRAN,STRATHCLYDE		4	20	219	0.03			A*D	SOUTH OF ARRAN
19960629	014055.0	55.30	-5.29	191.1	605.4	5.2	1.0	ARRAN,STRATHCLYDE		4	20	217	0.06			A*D	SOUTH OF ARRAN
19960811	043054.6	55.30	-5.32	189.6	605.6	7.6	0.9	ARRAN,STRATHCLYDE		4	18	215	0.05			A*D	SOUTH OF ARRAN
19960812	083533.8	55.30	-5.29	191.1	605.5	7.6	1.0	ARRAN,STRATHCLYDE		4	20	217	0.07			A*D	SOUTH OF ARRAN
19960615	215337.2	55.29	-5.30	190.7	604.3	5.8	0.8	ARRAN,STRATHCLYDE		4	20	213	0.05			A*D	SOUTH OF ARRAN
19960623	184741.6	55.28	-5.29	191.2	603.2	3.8	0.9	ARRAN,STRATHCLYDE		4	21	210	0.04			A*D	SOUTH OF ARRAN
19961229	043550.6	55.28	-5.34	187.9	603.9	3.5	0.9	ARRAN,STRATHCLYDE		4	18	206	0.05			A*D	SOUTH OF ARRAN
19960111	014046.8	55.23	-3.51	304.3	594.3	7.3	2.0	JOHNSTONEBRIDGE,D & G		26	11	121	0.20	0.6	1.9	B*B	6KM W OF JOHNSTONEBRIDGE
19960801	205506.8	55.09	4.74	829.7	598.3	26.1	3.4	CENTRAL NORTH SEA		40	340	203	0.26	1.3	2.7	B*D	
19960926	065059.2	55.07	-2.61	361.0	575.3	12.5	0.4	BEWCASTLE,CUMBRIA		9	19	107	0.09	0.7	2.5	B*B	5KM EAST OF BEWCASTLE
19960513	174109.2	54.85	-2.94	339.5	551.4	14.1	0.4	CARLISLE,CUMBRIA		10	6	107	0.04	0.3	0.6	A*B	
19960625	050643.8	54.77	-3.23	320.6	542.6	10.9	1.0	WIGTON,CUMBRIA		14	4	78	0.04	0.2	0.2	A*A	9KM SW OF WIGTON
19961015	054241.0	54.70	-2.63	359.1	533.7	8.5	1.8	PENRITH,CUMBRIA		17	23	100	0.09	0.4	2.9	B*C	9KM EAST OF PENRITH
19960411	004219.2	54.57	-4.34	248.8	521.8	6.7	1.0	BURROW HEAD,D & G		11	32	129	0.14	0.5	8.7	C*C	13KM SSE OF BURROW HEAD
19960226	054116.5	54.46	-3.27	317.8	507.5	15.7	0.5	BUTTERMERE,CUMBRIA		8	2	105	0.04	0.4	0.6	A*B	9KM SOUTH OF BUTTERMERE
19961014	222813.9	54.42	-3.05	332.1	503.4	6.1	-0.1	ELTERWATER,CUMBRIA		8	13	229	0.18	2.0	7.9	C*D	
19961116	013203.5	54.41	-3.06	331.3	502.2	8.9	0.4	ELTERWATER,CUMBRIA		8	12	226	0.14	2.1	3.2	B*D	3KM SOUTH OF ELTERWATER
19960922	043829.9	54.14	-3.65	292.4	472.7	7.8	1.0	IRISH SEA		9	24	140	0.12	1.1	5.4	C*C	27KM W BARROW-IN-FURNESS
19960119	200914.6	54.08	-3.51	301.3	466.1	20.0	0.9	IRISH SEA		7	20	250	0.05	1.4	0.9	B*D	20KM W BARROW-IN-FURNESS
19960911	012700.2	53.79	-2.67	355.6	433.3	14.7	1.6	PRESTON,LANCASHIRE		7	61	117	0.08	0.8	2.1	B*D	
19961025	043221.6	53.74	-1.16	455.4	427.7	7.2	1.4	HARROGATE,N YORKSHIRE		10	39	94	0.20	1.1	4.8	B*C	
19960421	022719.8	53.61	-1.36	442.4	413.0	4.2	2.3	BARNSLEY,S YORKSHIRE		7	25	129	0.04	0.4	0.9	A*C	8KM NE OF BARNSLEY
19960119	190348.9	53.54	-2.09	394.4	405.3	6.0	1.8	OLDHAM,GTR MANCHESTER		4	15	282	0.17			B*D	
19960524	054043.2	53.49	-4.46	236.9	401.6	11.3	-0.2	OFF ANGLESEY,IRISH SEA		8	13	278	0.18	3.8	2.4	C*D	7KM NORTH OF ANGLESEY
19960809	044337.2	53.46	2.63	707.5	405.5	7.5	1.7	SOUTHERN NORTH SEA		7	106	334	0.19	7.5	3.7	D*D	
19961117	030627.5	53.42	-2.68	354.9	391.4	9.7	2.0	ST HELENS,MERSEYSIDE		20	56	74	0.13	0.4	1.4	A*D	
19961231	090626.8	53.42	-4.64	224.5	394.7	16.9	-0.2	OFF ANGLESEY,GWYNEDD		5	8	290	0.01	0.4	0.1	A*D	
19960602	093033.1	53.39	-2.63	358.2	387.9	9.8	1.3	WARRINGTON,CHESHIRE		10	54	160	0.15	1.8	3.2	B*D	
19960118	180822.9	53.36	-1.30	446.8	384.9	1.0	1.8	SHEFFIELD,S YORKSHIRE		5	42	278	0.29	4.3	4.0	C*D	C/F,9KM SE OF SHEFFIELD

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 1996 continued

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
19960801	110132.9	53.36	-4.54	230.9	387.7	12.8	0.3	ANGLESEY,GWYNEDD		7	2	160	0.02	0.3	0.2	A*C	
19960710	152247.6	53.33	-4.52	232.4	384.3	11.8	-0.7	ANGLESEY,GWYNEDD		5	6	137	0.01	0.3	0.5	A*D	
19961004	031744.4	53.24	-1.02	465.7	371.5	1.0	2.0	OLLERTON,NOTTS		9	34	89	0.16	0.8	1.5	B*C	C/F,3KM N OF OLLERTON
19960412	235251.0	53.23	-1.08	461.1	370.5	2.3	1.1	WORKSOP,NOTTS		5	30	216	0.04	1.0	1.3	B*D	C/F,8KM SOUTH OF WORKSOP
19960910	214750.5	53.22	-1.03	464.6	369.6	2.5	1.0	OLLERTON,NOTTS		7	33	159	0.17	1.4	2.5	B*C	C/F
19960308	035849.1	53.20	-1.09	460.7	366.9	1.0	1.7	MANSFIELD,NOTTS		9	30	115	0.35	2.0	3.8	C*C	C/F
19960724	010958.2	53.20	-1.03	464.7	367.3	0.8	1.9	MANSFIELD,NOTTS		9	34	121	0.27	1.5	2.3	B*C	C/F,10KM NE OF MANSFIELD
19960411	002400.8	53.19	-1.13	457.9	366.3	0.1	1.3	WORKSOP,NOTTS		9	27	111	0.36	1.8	3.1	C*C	C/F
19960521	041234.7	53.15	-0.99	467.4	362.0	0.3	0.9	MANSFIELD,NOTTS		4	34	200	0.09			A*D	C/F,12KM E OF MANSFIELD
19960818	043436.1	53.15	-4.74	217.1	365.3	16.1	1.9	CAERNARVON BAY		10	15	218	0.10	1.3	2.0	B*D	17KM SW OF HOLYHEAD
19961018	210911.1	53.13	-1.02	465.4	360.1	2.0	2.1	MANSFIELD,NOTTS	3+	10	29	146	0.35	1.8	2.8	C*C	C/F,FELT WELLOW...
19960828	182335.5	53.11	-4.39	240.2	360.2	17.6	-0.1	CAERNARVON BAY		7	15	113	0.10	1.2	3.2	B*B	
19961009	190418.1	53.11	-3.34	310.4	357.8	10.8	0.8	RUTHIN,CLWYD		10	23	230	0.10	1.4	0.8	B*D	
19960902	233550.2	53.10	-1.04	464.6	356.1	2.3	0.7	MANSFIELD,NOTTS		4	34	178	0.09			A*D	C/F,5KM SE OF MANSFIELD
19961125	013242.7	53.09	2.44	697.0	363.5	10.2	2.1	SOUTHERN NORTH SEA		6	72	330	0.06	1.3	1.3	B*D	
19960423	161956.8	53.08	-1.22	452.6	353.4	1.8	1.9	MANSFIELD,NOTTS		9	24	122	0.12	0.6	1.0	A*C	8KM SW OF MANSFIELD
19960828	043626.0	53.08	-2.18	388.0	353.4	11.8	1.3	STOKE-ON-TRENT,STAFFS		8	24	127	0.07	0.5	3.8	B*B	
19960505	090808.4	53.04	-2.18	387.8	349.4	5.7	1.7	STOKE-ON-TRENT,STAFFS		14	23	98	0.18	0.7	1.3	B*C	
19960506	034929.1	53.04	-2.20	386.6	348.8	2.6	2.8	STOKE-ON-TRENT,STAFFS	4	23	24	95	0.11	0.3	1.0	A*C	FELT STOKE-ON-TRENT...
19960906	123811.4	53.04	-4.46	235.3	351.8	13.0	1.2	CAERNARVON BAY		12	7	135	0.11	0.6	1.2	A*B	
19960506	111029.6	53.03	-2.19	387.2	347.6	3.6	1.8	STOKE-ON-TRENT,STAFFS		13	23	97	0.10	0.4	0.9	A*C	
19960511	202849.9	53.03	-2.19	387.4	348.7	2.7	1.9	STOKE-ON-TRENT,STAFFS		19	23	139	0.14	0.6	1.4	A*C	
19960825	004227.3	53.03	-2.19	387.2	348.4	3.9	1.9	STOKE-ON-TRENT,STAFFS		9	23	123	0.09	0.6	1.2	A*C	
19960828	044229.4	53.03	-2.20	386.9	348.2	2.4	1.2	STOKE-ON-TRENT,STAFFS		9	24	123	0.07	0.4	0.9	A*C	
19960430	223839.2	53.02	-3.96	268.4	348.5	15.0	0.6	BLAENAU FFESTINIOG		10	20	180	0.21	1.6	5.2	C*C	
19960825	065810.2	52.99	-3.99	266.1	345.6	23.5	0.5	BLAENAU FFESTINIOG		11	20	89	0.21	1.2	3.5	B*A	
19960220	212345.8	52.97	-2.27	381.7	340.9	1.1	1.9	NEW-U-LYME,STAFFS	3+	9	4	108	0.06	0.5	0.9	A*B	C/F,FELT NEW-U-LYME...
19960316	062330.6	52.97	-2.27	381.9	341.2	1.8	2.3	NEW-U-LYME,STAFFS	3+	24	4	79	0.24	0.7	1.0	B*A	C/F,FELT NEW-U-LYME...
19960324	192806.6	52.97	-4.40	238.9	344.6	21.4	-0.2	LLEYN PENIN,GWYNEDD		7	2	185	0.08	1.2	1.0	B*D	
19960402	010003.2	52.97	-4.42	237.8	344.2	20.4	1.2	LLEYN PENIN,GWYNEDD		11	1	108	0.09	0.6	1.2	A*B	
19960522	170636.4	52.97	-4.47	234.0	344.5	7.6	0.8	PWLLHELI,GWYNEDD		10	3	133	0.07	0.4	0.9	A*B	10KM NW OF PWLLHELI
19961030	151914.9	52.96	-4.37	241.0	342.5	20.3	0.6	LLEYN PENIN,GWYNEDD		9	5	101	0.07	0.5	1.2	A*B	
19960307	131902.2	52.95	-2.26	382.7	338.9	0.3	1.9	NEW-U-LYME,STAFFS	3+	15	29	117	0.34	1.5	2.3	C*C	C/F,FELT NEW-U-LYME...
19960810	012854.6	52.95	2.18	680.7	347.9	8.5	1.8	SOUTHERN NORTH SEA		6	51	309	0.15	5.4		D*D	
19960628	010356.8	52.92	-4.54	229.0	338.6	21.4	0.8	PWLLHELI,GWYNEDD		10	11	145	0.06	0.7	1.1	A*C	8KM NW OF PWLLHELI
19960522	044131.4	52.91	-3.88	273.5	336.6	12.7	0.7	TRAWSFYNYDD,GWYNEDD		13	28	93	0.17	0.8	1.0	B*C	
19960802	174245.8	52.87	-3.51	298.1	331.6	7.7	0.9	BALA,GWYNEDD		9	18	162	0.10	1.3	7.3	C*C	7KM SE OF BALA
19961231	121033.4	52.86	-2.22	385.0	329.7	7.6	1.6	STAFFORD,STAFFORDSHIRE		16	59	119	0.21	0.9	6.0	C*D	7KM NW OF STAFFORD
19960307	234124.2	52.80	-2.74	349.9	322.3	10.6	3.4	SHREWSBURY,SHROPSHIRE	5	11	32	138	0.09	0.6	1.1	A*C	FELT SHREWSBURY...
19960317	012951.3	52.73	-1.07	463.0	315.0	13.7	1.7	LEICESTER,LEICS		13	16	128	0.09	0.4	0.6	A*B	10KM NW OF LEICESTER
19960819	175655.9	52.70	-4.02	263.8	313.3	9.7	0.5	FAIRBOURNE,GWYNEDD		13	2	72	0.12	0.9	0.7	A*A	
19960819	011859.3	52.69	-4.02	263.6	312.4	10.4	1.2	FAIRBOURNE,GWYNEDD		15	2	85	0.10	0.6	0.4	A*A	
19960901	000006.3	52.49	-3.30	311.4	289.4	18.5	0.7	NEWTOWN,POWYS		10	16	81	0.07	0.5	0.7	A*A	
19960920	040423.4	52.32	-3.33	309.4	269.7	14.4	3.0	LLANDRINDOD WELLS	4+	13	18	74	0.06	0.3	0.3	A*B	FELT LLANDRO'D WELLS...
19960620	074714.1	52.16	-2.61	358.3	252.1	12.9	1.6	HEREFORD,HER & WOR		12	15	138	0.09	0.5	1.0	A*C	11KM NE OF HEREFORD

TABLE 2: CATALOGUE OF EARTHQUAKES LISTED IN ORDER OF DECREASING LATITUDE: 1996 continued

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
19960226	195309.9	52.08	-2.74	349.5	242.5	16.5	0.9	HEREFORD,HER & WOR		9	14	121	0.06	0.4	0.6	A*B	
19960826	111652.9	52.03	-3.59	290.9	238.2	18.0	2.1	SENNYBRIDGE,POWYS		12	23	102	0.07	0.4	1.5	A*B	8KM NORTH OF SENNYBRIDGE
19960421	182850.4	51.90	-4.20	248.5	224.4	8.6	2.2	CARMARTHEN,DYFED		14	17	85	0.14	0.5	0.9	A*B	7KM NE OF CARMARTHEN
19960602	211759.2	51.89	-5.07	188.5	225.4	6.9	1.6	HAVERFORDWEST,DYFED		12	21	218	0.06	0.6	0.5	A*D	10KM NW OF HAVERFORDWEST
19961118	000356.4	51.77	-3.84	273.2	209.1	5.5	1.0	GLANAMAN,DYFED		8	22	164	0.06	2.2	6.2	C*C	
19960906	002024.2	51.76	-3.29	311.0	207.1	6.7	0.5	MERTHYR TYDFIL,MID GLAM		9	34	158	0.06	0.4	2.0	B*C	
19961208	010604.8	51.51	-0.63	495.2	179.9	1.2	1.9	MAIDENHEAD,BERKSHIRE		14	27	99	0.17	0.6	3.2	B*C	
19960815	010501.1	51.14	0.09	546.5	140.2	5.1	1.4	E GRINSTEAD,W SUSSEX		8	56	287	0.36	6.2	13.1	D*D	6KM EAST OF E GRINSTEAD
19961126	040430.5	50.88	-3.93	263.9	110.4	5.8	1.5	OKEHAMPTON,DEVON		16	23	152	0.21	2.0	4.5	B*C	17KM NE OF OKEHAMPTON
19960527	222119.3	50.83	-4.35	234.7	106.4	6.7	2.2	HOLSWORTHY,DEVON		18	20	102	0.11	0.6	1.4	A*C	
19961001	042446.9	50.47	-4.76	204.4	66.6	12.7	0.6	BODMIN,CORNWALL		9	42	226	0.06	2.1	0.3	B*D	
19960823	022901.9	50.11	-5.18	172.5	28.1	7.3	0.6	CONSTANTINE,CORNWALL		8	3	119	0.02	0.2	0.3	A*B	
19960722	013126.0	50.06	-6.31	91.4	26.4	8.1	0.9	SCILLY ISLES,CORNWALL		7	53	352	0.09	7.4		D*D	
19961110	205454.4	50.02	-5.58	143.8	19.3	8.8	0.1	PENZANCE,CORNWALL		9	15	275	0.02	0.5	1.5	A*D	OFFSHORE LOCATION
19960120	215538.0	50.01	-4.09	250.0	14.5	5.0	1.4	SOUTH OF PLYMOUTH		6	38	260	0.04	1.0	8.2	C*D	40KM SOUTH OF PLYMOUTH
19961110	100405.5	50.01	-5.58	143.2	17.9	11.8	1.1	PENZANCE,CORNWALL		9	17	280	0.03	1.0	1.9	A*D	OFFSHORE LOCATION
19961110	102830.3	50.01	-5.58	143.3	18.2	9.9	0.5	PENZANCE,CORNWALL		9	16	279	0.02	0.6	1.6	A*D	OFFSHORE LOCATION
19961110	092833.8	50.00	-5.58	143.8	17.8	9.6	3.8	PENZANCE,CORNWALL	5	11	17	278	0.04	0.9	2.0	B*D	FELT CORNWALL & DEVON
19960922	065309.5	49.77	-5.78	127.8	-7.7	8.7	0.9	SW LANDS END,CORNWALL		10	45	324	0.06	2.5	13.9	C*D	
19960605	141826.1	49.44	-1.89	408.2	-50.6	11.0	0.8	JERSEY,CHANNEL ISLANDS		6	27	339	0.23	11.3		D*D	25KM N OF JERSEY
19961024	104104.6	49.37	-2.35	374.3	-58.5	5.9	0.8	JERSEY,CHANNEL ISLANDS		6	20	340	0.03	0.8	3.8	B*D	17KM NW OF JERSEY
19960215	231434.9	49.08	-2.11	391.7	-90.5	7.6	0.6	JERSEY,CHANNEL ISLANDS		6	12	312	0.04	1.3	1.7	B*D	10KM S OF JERSEY
19960707	123741.3	49.07	-1.77	416.8	-92.4	8.0	0.7	JERSEY,CHANNEL ISLANDS		6	24	346	0.02	0.6	4.3	B*D	15KM SE OF JERSEY
19960816	013225.2	48.99	-1.85	410.7	-101.6	9.1	0.2	JERSEY,CHANNEL ISLANDS		5	27	344	0.07	10.4		D*D	20KM SE OF JERSEY
19961123	020022.1	48.99	-4.26	234.5	-98.8	15.9	1.6	ENGLISH CHANNEL		5	146	252	0.19	2.9	4.3	C*D	
19960417	221745.0	48.90	-1.99	400.6	-111.3	8.5	0.6	JERSEY,CHANNEL ISLANDS		6	33	342	0.07	1.3		C*D	25KM SE OF JERSEY

TABLE 3

CATALOGUE OF NON-NATURAL EVENTS LISTED CHRONOLOGICALLY: 1996

KEY TO BULLETIN ENCODING

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

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

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

Locality abbreviations

Sonic	:	Sonic boom	Mid Glam	:	Mid Glamorgan
Expl	:	Explosion	Notts	:	Nottinghamshire
D & G	:	Dumfries and Galloway	S'Clyde	:	Strathclyde
Her & Wor	:	Hereford and Worcester	S Yorkshire	:	South Yorkshire
Gtr Manchester	:	Greater Manchester	N Yorkshire	:	North Yorkshire
Leics	:	Leicestershire	Staffs	:	Staffordshire
New-U-Lyme	:	Newcastle-Under-Lyme	W Sussex	:	West Sussex
Penin	:	Peninsula			

Comments abbreviations

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

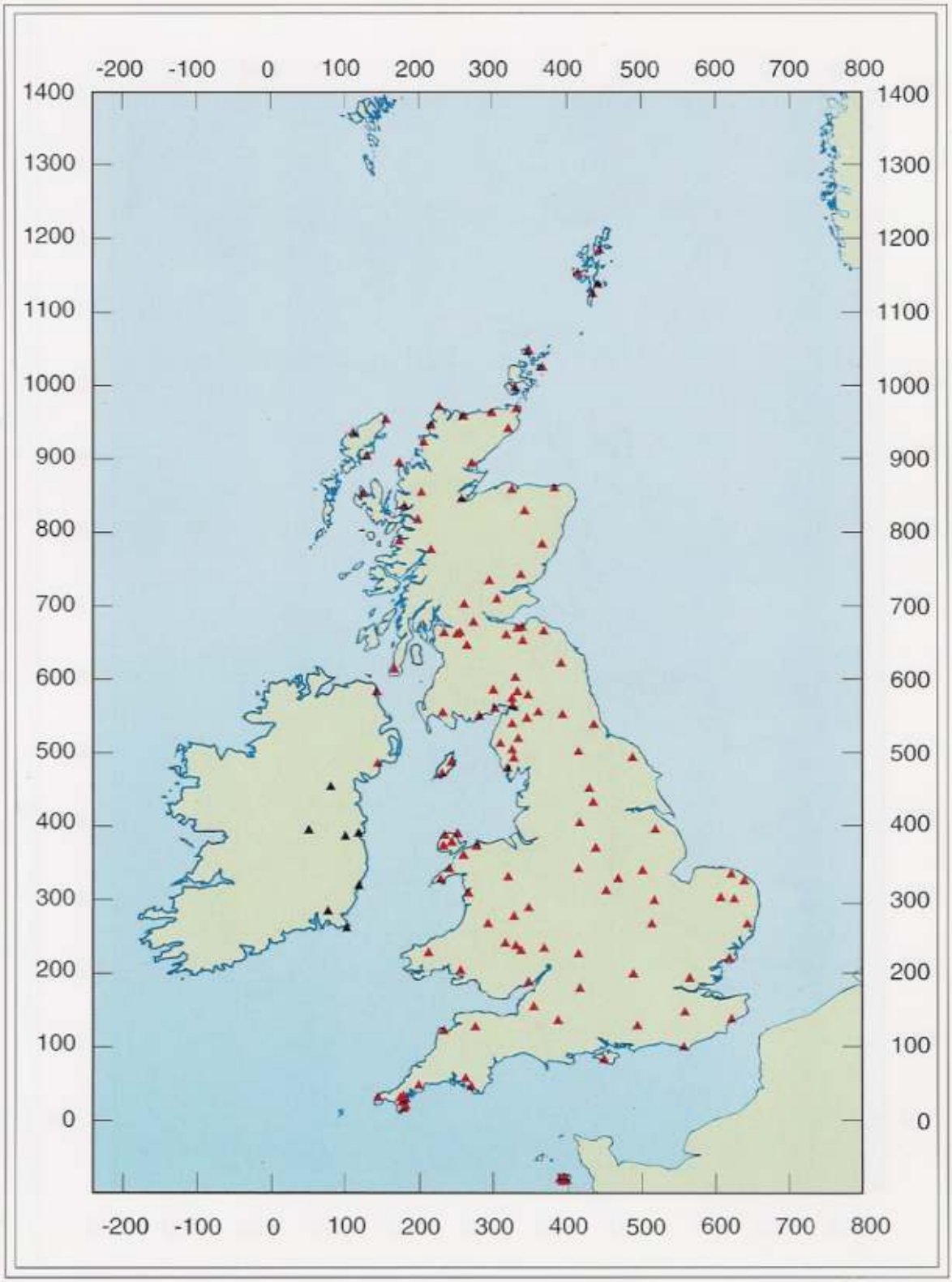


Figure 1. Seismograph network operational in December 1996. Colour coding shows the rapid access stations (red) and DIAS stations (black).

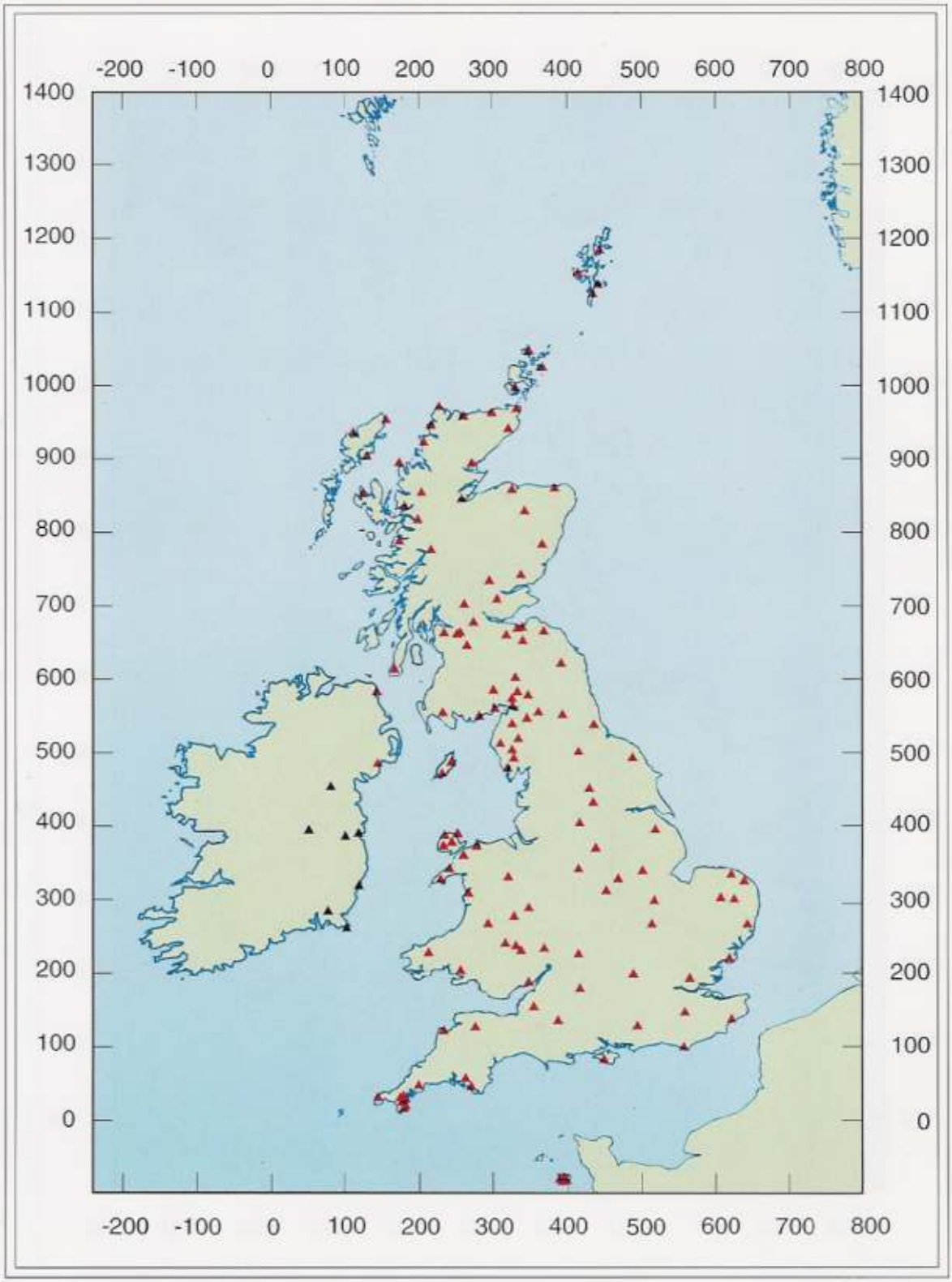


Figure 1. Seismograph network operational in December 1996. Colour coding shows the rapid access stations (red) and DIAS stations (black).

TABLE 3: CATALOGUE OF NON-NATURAL EVENTS LISTED CHRONOLOGICALLY: 1996

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	SQD	Comments
19960118	091542.0							SONIC-ORKNEY ISLANDS									SONIC-FELT ORKNEY
19960216	094338.0							SONIC-NORFOLK									SONIC-FELT BLAKENEY AREA
19960430	204900.0							SONIC-MID WALES									SONIC-FELT MID WALES
19960521	111437.0							SONIC-ISLE OF MAN									SONIC-FELT ISLE OF MAN
19960723	150947.2	51.86	1.68	653.6	223.9	0.4	2.6	EXPL-OFF FELIXSTOWE		10	51	213	0.48	5.0		D*D	EXPL-ORDNANCE DETONATION
19960827	112955.9	55.74	-3.20	324.7	650.6	0.0	0.6	EXPL-LOTHIAN	2+	8	10	126	0.06	0.3	0.4	A*C	EXPL-FELT COWIESLINN
19961119	115837.0							SONIC-LOTHIAN									SONIC-FELT LOTHIAN

TABLE 4

GEOGRAPHICAL COORDINATES OF SEISMOGRAPH STATIONS: DECEMBER 1996

TABLE 4 : GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS: DECEMBER 1996

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
AEU	E.ANGLIA	52.6201	1.2347	618.93	307.44	15	94-	S	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	321.98	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
CGW	GWEEK	50.1003	-5.2224	169.58	27.29	76	93-	1	BGS
CKE	KESWICK	54.5878	-3.1062	328.52	521.98	296	92-	1	BGS
CMA	MANACCAN	50.0819	-5.1273	176.30	24.96	50	93-	1	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
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
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	55.8454	-3.4474	309.38	662.30	359	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	56.9190	-2.5394	367.16	780.97	401	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
*EMN	MONKTONHALL	55.9295	-3.0889	331.97	671.24	52	96-	3	BGS
*ENH	NEWHAILES	55.9401	-3.0795	332.58	672.42	25	96-	1	BGS
*ENC	NEWCRAIGHALL	55.9318	-3.1050	330.97	671.52	45	96-96	3	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	55.0760	-6.1300	136.40	583.70	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	54.2390	-5.9510	142.60	489.80	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

TABLE 4: continued

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agency
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
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	49.2000	-2.0380			56	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
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
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
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
*LRWS	LERWICK SM	60.1397	-1.1831	445.37	1139.69	80	96-	S	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	58.3050	-3.3640	320.10	935.90	190	81-	1	BGS
MME	MEIKLE CAIRN	57.3150	-2.9650	341.90	825.30	455	81-	1	BGS
MVH	ACHVAICH	57.9232	-4.1816	270.79	894.70	198	84-	1	BGS
OBR	BRABSTER	58.6142	-3.1626	332.47	970.13	89	95-	1R	BGS
OHO	HOY	58.8322	-3.2465	328.05	994.48	172	95-	1R	BGS
ORE	REAY	58.5480	-3.7622	297.45	963.52	100	95-	4Rm	BGS
OST	STRONSAY	59.0860	-2.5516	368.39	1022.20	15	95-	1R	BGS
OTO	TONGUE	58.4953	-4.3939	260.49	958.79	338	95-	1R	BGS
OWE	WESTRAY	59.3180	-3.0289	341.44	1048.36	87	95-	1R	BGS
PCA	CARROT	55.7000	-4.2550	258.30	647.50	305	83-	1	BGS
PCO	CORRIE	55.9880	-4.0970	269.20	679.20	274	83-	1	BGS
PGB	GLENIFFERBRAES	55.8100	-4.4780	244.50	660.50	200	84-	3	BGS
PMS	MUIRSHIEL	55.8460	-4.7440	228.20	664.80	351	83-	1	BGS
POB	OBSERVATORY	55.6370	-4.4170	247.90	664.10	34	92-	L	BGS
RCR	CAPE WRATH	58.6240	-4.9986	225.90	974.53	100	95-	1R	BGS
REB	EISG-BRACHAIDH	58.1188	-5.2822	206.70	919.10	100	95-	1R	BGS
RFO	FORSNAVAL	58.2133	-7.0052	106.10	935.83	197	95-	1R	BGS
RRH	RHENIGIDALE	57.9197	-6.6881	122.43	901.86	103	95-	1R	BGS
RRR	RUBHA REIDH	57.8577	-5.8067	174.19	891.68	61	95-	4Rm	BGS
RSC	SCOURIE	58.3485	-5.1683	214.61	944.33	60	95-	1R	BGS
RTO	TOLSTA	58.3778	-6.2092	153.95	950.93	74	95-	1R	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
SFH	HASELMERE	51.0604	-0.6911	491.71	129.88	260	93-	1	BGS

TABLE 4: continued

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agency
SIW	ISLE OF WHITE	50.6716	-1.4027	442.20	86.00	155	93-	1	BGS
SKP	KOPHILL	51.7215	-0.8099	482.20	203.25	215	93-	1	BGS
SMD	MENDIPS	51.3082	-2.7174	350.00	156.87	300	93-	1	BGS
SSP	STONEY POUND	52.4177	-3.1119	324.39	280.59	417	90-	3	BGS
SSW	STOW-ON-WOLD	51.9667	-1.8499	410.31	229.85	291	93-	1	BGS
SWK	WARMINSTER	51.1483	-2.2471	382.72	138.87	279	93-	1	BGS
SWN	SWINDON	51.5130	-1.8005	413.85	179.42	192	93-	4	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
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
DMS	MERRION SQUARE	53.3406	-6.2486			5	90-	1	DIAS
DMU	KINGSCOURT	53.8989	-6.9106			280	77-	1R	DIAS
DMUB	KINGSCOURT B	53.9000	-6.9086			280	94-	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

*EMN installed 22 October 1996
*ENH installed 29 October 1996
*ENC installed 30 October 1996 and removed 15 November 1997
*LRWS installed 28 June 1996

Component Codes:

1 Single vertical seismometer
3 Orthogonal set of 3 seismometers
4 As in 3 above, plus one low-gain vertical seismometer
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

Agency Codes:

BGS British Geological Survey
DIAS Dublin Institute of Advanced Studies

TABLE 5

PHASE DATA: 1996

KEY TO PHASE DATA ENCODING

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

Locality abbreviations

Sonic	:	Sonic boom	Mid Glam	:	Mid Glamorgan
Expl	:	Explosion	Notts	:	Nottinghamshire
D & G	:	Dumfries and Galloway	S'Clyde	:	Strathclyde
Her & Wor	:	Hereford and Worcester	S Yorkshire	:	South Yorkshire
Gtr Manchester	:	Greater Manchester	N Yorkshire	:	North Yorkshire
Leics	:	Leicestershire	Staffs	:	Staffordshire
New-U-Lyme	:	Newcastle-Under-Lyme	W Sussex	:	West Sussex
Penin	:	Peninsula			

Comments abbreviations

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

January 3 1996 Time: 06:21 25.6 UTC Magnitude: 1.3 ML
Lat: 56.856N Lon: 5.614W Depth: 1.3 km
Grid Ref: 179.70 kmE 779.66 kmN RMS: 0.07 secs
Locality: LOCHAILORT, HIGHLAND Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KAR	SZ	15	EP	1	C	06:21	28.87		
KSB	SZ	41	EP	1	C	06:21	33.22		
KPL	SZ	54	EP	2		06:21	35.35		
KPL	SN	54	ES	3		06:21	42.54		
KPL	SN	54				06:21	46.47	17	0.14
KPL	SE	54				06:21	46.56	16	0.13
KAC	SZ	74	EP	1	D	06:21	38.73		

January 3 1996 Time: 12:27 38.7 UTC Magnitude: 0.9 ML
Lat: 56.247N Lon: 3.754W Depth: 4.3 km
Grid Ref: 291.32 kmE 707.39 kmN RMS: 0.02 secs
Locality: OCHIL HILLS, CENTRAL Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	15	IP	1	C	12:27	41.74		
ELO	SZ	25	IP		C	12:27	43.40		
PCO	SZ	36	EP	1	C	12:27	45.24		
EAB	SZ	37	IP	1	C	12:27	45.39		
EAU	SZ	49	EP	2		12:27	47.31		
EDI	SE	50	ES	3		12:27	53.99		
EDI	SN	50				12:27	54.19	7	0.24
EDI	SE	50				12:27	54.24	9	0.28

January 11 1996 Time: 01:40 46.8 UTC Magnitude: 2.0 ML
Lat: 55.233N Lon: 3.505W Depth: 7.3 km
Grid Ref: 304.29 kmE 594.26 kmN RMS: 0.20 secs
Locality: JOHNSTONEBRIDGE, D & G Quality: B
Comments: 6KM W OF JOHNSTONEBRIDGE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
BWH	SZ	12	IP	1	C	01:40	49.55		
BWH	SZ	12	ES	3		01:40	51.14		
ESK	SZ	21	IP	1	C	01:40	50.77		
BHH	SZ	24	EP	3		01:40	51.51		
BHH	SE	24	ES	3		01:40	54.50		
BHH	SN	24				01:40	54.55	240	0.25
BHH	SE	24				01:40	54.55	303	0.20
ECK	SZ	25	IP	1	C	01:40	51.47		
BNA	SZ	31	EP	3		01:40	52.42		
BBH	SZ	38	EP	3		01:40	53.99		
GCD	SZ	50	EP	2		01:40	55.21		
BBO	SZ	58	EP	2		01:40	57.05		
BBO	SN	58	ES	3		01:41	04.10		
BBO	SN	58				01:41	05.90	28	0.17
BBO	SE	58				01:41	06.59	40	0.27
BDL	SZ	60	EP	3		01:40	57.55		
BTA	SZ	64	EP	3		01:40	58.11		
BTA	SN	64	ES	3		01:41	05.95		
BTA	SN	64				01:41	06.78	110	0.36
BTA	SE	64				01:41	08.31	69	0.37
EBL	SZ	67	EP	2		01:40	58.42		
EAU	SZ	68	EP	2		01:40	58.89		
CKE	SZ	76	EP	2		01:41	00.06		
EDI	SZ	79	EP	3		01:41	00.62		
EDI	SE	79	ES	3		01:41	09.76		
EDI	SN	79				01:41	10.69	52	0.18
EDI	SE	79				01:41	12.44	67	0.26
XDE	SZ	81	EP	2		01:41	00.67		
XSO	SZ	85	EP	2		01:41	00.95		
GAL	SZ	87	EP	2		01:41	01.42		
GAL	SN	87				01:41	15.20	41	0.16
GAL	SE	87				01:41	15.15	26	0.07
CSF	SZ	89	EP	2		01:41	02.11		
XAL	SZ	92	EP	2		01:41	02.47		
XAL	SZ	92	ES	3		01:41	13.59		
ESY	SZ	95	EP	2		01:41	02.81		
LMI	SZ	113	EP	3		01:41	06.10		
LMI	SN	113	ES	3		01:41	19.16		
LMI	SN	113				01:41	20.51	49	0.20
LMI	SE	113				01:41	20.74	38	0.21
GIM	SZ	122	EP	3		01:41	06.94		
GIM	SE	122	ES	3		01:41	21.35		
GIM	SN	122				01:41	23.12	48	0.17
GIM	SE	122				01:41	22.42	51	0.16

January 18 1996 Time: 18:08 22.9 UTC Magnitude: 1.8 ML
Lat: 53.359N Lon: 1.296W Depth: 1.0 km
Grid Ref: 446.83 kmE 384.90 kmN RMS: 0.29 secs
Locality: SHEFFIELD, S YORKSHIRE Quality: D
Comments: C/F,9KM SE OF SHEFFIELD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
LHO	SZ	43	EP	2		18:08	30.75		
HPK	SZ	70	EP	3		18:08	35.76		
HPK	SN	70	ES	3		18:08	43.80		
HPK	SN	70				18:08	48.91	60	0.19
HPK	SE	70				18:08	44.81	27	0.27
LWH	SZ	116	EP	3		18:08	42.04		
LRN	SZ	122	EP	3		18:08	44.05		

January 19 1996 Time: 19:03 48.9 UTC Magnitude: 1.8 ML
Lat: 53.544N Lon: 2.085W Depth: 6.0 km
Grid Ref: 394.36 kmE 405.26 kmN RMS: 0.17 secs
Locality: OLDHAM, GTR MANCHESTER Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
LHO	SZ	15	EP	1	C	19:03	52.00		
HPK	SZ	55	EP	3		19:03	56.95		
HPK	SN	55	ES	3		19:04	05.30		
HPK	SN	55				19:04	08.46	63	0.16
HPK	SE	55				19:04	07.88	34	0.17
LRN	SZ	99	EP	2		19:04	05.34		

January 19 1996 Time: 20:09 14.6 UTC Magnitude: 0.9 ML
Lat: 54.081N Lon: 3.509W Depth: 20.0 km
Grid Ref: 301.29 kmE 466.08 kmN RMS: 0.05 secs
Locality: IRISH SEA Quality: C
Comments: 20KM W BARROW-IN-FURNESS

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
LMI	SZ	20	EP	1	C	20:09	19.62		
LMI	SN	20	ES	2		20:09	23.01		
LMI	SN	20				20:09	23.46	16	0.15
LMI	SE	20				20:09	23.33	25	0.14
CDU	SZ	35	EP	1	C	20:09	21.46		
CSF	SZ	44	EP	1	D	20:09	22.86		
XDE	SZ	47	EP	2		20:09	23.35		
GIM	SZ	67	EP	1	C	20:09	26.09		
GIM	SN	67	ES	3		20:09	34.53		
GIM	SN	67				20:09	36.52	14	0.16
GIM	SE	67				20:09	36.52	9	0.19
BBO	SZ	75	EP	2		20:09	27.42		
BBO	SE	75	ES	3		20:09	36.08		
BBO	SN	75				20:09	37.06	4	0.20
BBO	SE	75				20:09	36.59	5	0.19

January 20 1996 Time: 06:52 43.0 UTC Magnitude: 0.5 ML
Lat: 55.964N Lon: 5.111W Depth: 12.8 km
Grid Ref: 205.84 kmE 678.92 kmN RMS: 0.01 secs
Locality: DUNOON, STRATHCLYDE Quality: C
Comments: 12KM WNW DUNOON

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
PMS	SZ	26	EP	1	C	06:52	48.02		
PGB	SZ	43	EP	2		06:52	50.56		
PGB	SN	43	ES	3		06:52	56.10		
PGB	SN	43				06:52	56.41	4	0.06
PGB	SE	43				06:52	56.36	4	0.07
EAB	SZ	54	EP	1	C	06:52	52.23		
PCO	SZ	63	EP	2		06:52	53.63		

January 20 1996 Time: 21:55 38.0 UTC Magnitude: 1.4 ML
Lat: 50.011N Lon: 4.093W Depth: 5.0 km
Grid Ref: 250.03 kmE 14.49 kmN RMS: 0.04 secs
Locality: SOUTH OF PLYMOUTH Quality: D
Comments: 40KM SOUTH OF PLYMOUTH

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
DCO	SZ	38	IP	1	D	21:55	44.62		
DCO	SZ	38	ES	3		21:55	49.77		
DYA	SZ	49	IP	1	D	21:55	46.55		
DYA	SE	49	ES	2		21:55	53.03		
DYA	SN	49				21:55	53.93	29	0.18
DYA	SE	49				21:55	53.43	19	0.31
CSA	SZ	69	EP	3		21:55	49.92		
CST	SZ	79	EP	3		21:55	51.86		

January 21 1996 Time: 22:06 2.4 UTC Magnitude: 0.8 ML
Lat: 56.139N Lon: 3.712W Depth: 0.3 km
Grid Ref: 293.61 kmE 695.38 kmN RMS: 0.10 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	EP	1	D	22:06	06.18		
EBH	SZ	18	ES	2		22:06	09.18		
EAU	SZ	37	EP	3		22:06	09.71		
EAB	SZ	39	EP	3		22:06	09.89		
EDI	SZ	41	EP	3		22:06	10.05		
EDI	SE	41	ES	3		22:06	15.81		
EDI	SN	41				22:06	16.63	9	0.32
EDI	SE	41				22:06	17.13	9	0.37

February 3 1996 Time: 19:41 54.0 UTC Magnitude: 1.9 ML
Lat: 56.040N Lon: 5.244W Depth: 7.2 km
Grid Ref: 197.96 kmE 687.77 kmN RMS: 0.13 secs
Locality: LOCHGILPHEAD, S'CLYDE Quality: B
Comments: FELT LOCHGILPHEAD Intensity: 2+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
PMS	SZ	38	IP		C	19:42	00.86		
PGB	SZ	54	EP	1	C	19:42	03.41		
PGB	SN	54	ES	2		19:42	09.80		
PGB	SN	54				19:42	11.35	55	0.27
PGB	SE	54				19:42	10.79	38	0.17
EAB	SZ	59	IP	1	C	19:42	03.80		
PCO	SZ	72	EP	2		19:42	06.15		

GMK	SZ	80	EP	3		19:42	07.28		
KAR	SZ	104	EP	2		19:42	11.07		
ELO	SZ	106	EP	3		19:42	11.17		
EBH	SZ	111	EP	1	D	19:42	12.07		
EAU	SZ	115	EP	1	D	19:42	12.68		
EDI	SZ	129	EP	2		19:42	15.04		
EDI	SE	129	ES	3		19:42	30.37		
EDI	SN	129				19:42	31.86	28	0.18
EDI	SE	129				19:42	32.23	27	0.25
KSB	SZ	131	EP	2		19:42	14.93		
GAL	SZ	135	EP	3		19:42	15.81		
GAL	SE	135	ES	3		19:42	31.07		
GAL	SN	135				19:42	34.49	26	0.11
GAL	SE	135				19:42	32.61	41	0.16
EBL	SZ	141	EP	2		19:42	16.67		
KPL	SZ	147	EP	3		19:42	17.19		
KPL	SE	147	ES	3		19:42	34.56		
KPL	SN	147				19:42	38.29	10	0.13
KPL	SE	147				19:42	36.58	13	0.25
EDU	SZ	149	EP	3		19:42	17.79		

February 4 1996 Time: 00:25 28.0 UTC Magnitude: 1.5 ML
Lat: 57.091N Lon: 5.704W Depth: 4.8 km
Grid Ref: 175.65 kmE 806.07 kmN RMS: 0.12 secs
Locality: KNOYDART, HIGHLAND Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KAR	SZ	21	IP	1	C	00:25	32.00		
KSB	SZ	22	IP	1	C	00:25	32.12		
KPL	SZ	28	IP	1	C	00:25	33.05		
KPL	SE	28	ES	3		00:25	36.54		
KPL	SN	28				00:25	36.95	40	0.16
KPL	SE	28				00:25	36.86	51	0.21
KAC	SZ	52	IP	1	C	00:25	36.95		
KSK	SZ	73	EP	2		00:25	40.35		
MDO	SZ	90	EP	2		00:25	43.07		
MVH	SZ	130	EP	3		00:25	49.39		
EAB	SZ	131	EP	3		00:25	49.62		
ELO	SZ	140	EP	3		00:25	50.83		
MCD	SZ	158	EP	3		00:25	53.35		
MCD	SN	158	ES	3		00:26	11.58		
MCD	SN	158				00:26	12.26	11	0.17
MCD	SE	158				00:26	13.02	14	0.17
EDU	SZ	175	EP	3		00:25	55.88		

February 15 1996 Time: 23:14 34.9 UTC Magnitude: 0.6 ML
Lat: 49.085N Lon: 2.114W Depth: 7.6 km
Grid Ref: 391.67 kmE -90.55 kmN RMS: 0.04 secs
Locality: JERSEY, CHANNEL ISLANDS Quality: C
Comments: 10KM S OF JERSEY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
JRS	SZ	12	EP	2		23:14	37.55		
JRS	SN	12	ES	3		23:14	39.54		
JRS	SN	12				23:14	39.71	21	0.10
JRS	SE	12				23:14	39.61	97	0.08
JSA	SZ	12	EP	1		23:14	37.64		
JQE	SZ	14	EP	2		23:14	37.83		
JVM	SZ	16	EP	1		23:14	38.20		
JLP	SZ	18	EP	2		23:14	38.52		

February 20 1996 Time: 20:42 53.9 UTC Magnitude: 0.7 ML
Lat: 57.666N Lon: 5.499W Depth: 5.8 km
Grid Ref: 191.33 kmE 869.32 kmN RMS: 0.12 secs
Locality: TORRIDON, HIGHLAND Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KAC	SZ	22	IP	1	C	20:42	58.21		
RRR	SZ	28	IP	1	C	20:42	59.32		
RRR	SN	28	ES	2		20:43	02.78		
RRR	SN	28				20:43	02.94	25	0.13
RRR	SE	28				20:43	02.91	13	0.11
KPL	SZ	38	EP	2		20:43	00.51		
KPL	SN	38	ES	3		20:43	04.68		
KPL	SN	38				20:43	05.19	6	0.10
KPL	SE	38				20:43	05.19	8	0.16
KSB	SZ	51	EP	2		20:43	02.68		
REB	SZ	52	EP	2		20:43	02.94		
RRH	SZ	76	EP	2		20:43	06.84		
RSC	SZ	79	EP	2		20:43	07.04		
KAR	SZ	86	EP	3		20:43	08.23		
RFO	SZ	108	EP	2		20:43	11.95		

February 20 1996 Time: 21:23 45.8 UTC Magnitude: 1.9 ML
Lat: 52.965N Lon: 2.273W Depth: 1.1 km
Grid Ref: 381.69 kmE 340.92 kmN RMS: 0.06 secs
Locality: NEW-U-LYME, STAFFS Quality: B
Comments: C/F,FELT NEW-U-LYME... Intensity: 3+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KLE	SZ	4	EP	9		21:23	49.54		
KLE	SZ	4	ES	3		21:23	50.29		
KWE	SZ	29	IP	1	D	21:23	51.47		
KBI	SZ	59	EP	1	D	21:23	56.56		
HLM	SZ	65	EP	3		21:23	57.38		
SBD	SZ	67	EP	2		21:23	57.61		
CWF	SZ	70	EP	3		21:23	58.08		
CWF	SN	70	ES	3		21:24	06.98		
CWF	SN	70				21:24	07.25	27	0.22
CWF	SE	70				21:24	07.67	18	0.34
SSP	SZ	83	EP	3		21:24	00.31		
SSP	SN	83	ES	3		21:24	10.65		
SSP	SN	83				21:24	12.17	56	0.20
SSP	SE	83				21:24	12.95	33	0.22
KSY	SZ	113	EP	3		21:24	05.37		
WPM	SZ	114	EP	2		21:24	04.94		
MCH	SE	118	ES	3		21:24	20.37		
MCH	SN	118				21:24	22.18	49	0.18
MCH	SE	118				21:24	24.72	44	0.25
HTR	SZ	120	EP	2		21:24	06.46		
WFB	SZ	123	EP	3		21:24	06.71		
YLL	SZ	129	EP	2		21:24	07.27		
KUF	SZ	133	EP	3		21:24	08.41		
YRE	SZ	145	EP	2		21:24	09.72		
WLF	SZ	147	EP	2		21:24	10.16		
YRC	SZ	157	EP	3		21:24	11.91		
WCB	SZ	159	EP	2		21:24	12.10		
WCB	SN	159	ES	3		21:24	30.59		
WCB	SN	159				21:24	30.09	36	0.88
WCB	SE	159				21:24	32.15	12	0.21
YRH	SZ	159	EP	2		21:24	12.11		

February 26 1996 Time: 05:41 16.5 UTC Magnitude: 0.5 ML
Lat: 54.457N Lon: 3.268W Depth: 15.7 km
Grid Ref: 317.80 kmE 507.55 kmN RMS: 0.04 secs
Locality: BUTTERMERE, CUMBRIA Quality: B
Comments: 9KM SOUTH OF BUTTERMERE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CSF	SZ	2	IP	1	D	05:41	19.30		
CDU	SZ	14	IP		D	05:41	20.21		
XDE	SZ	15	EP	1	D	05:41	20.37		
CKE	SZ	18	IP		C	05:41	20.68		
LMI	SZ	26	EP	2		05:41	21.91		
LMI	SN	26	ES	2		05:41	25.20		
LMI	SN	26				05:41	25.51	7	0.24
LMI	SE	26				05:41	25.73	9	0.09
BBO	SZ	31	IP	1	D	05:41	22.56		
BBO	SE	31	ES	2		05:41	26.45		
BBO	SN	31				05:41	26.67	6	0.19
BBO	SE	31				05:41	26.52	10	0.16
GIM	SZ	80	EP	3		05:41	30.32		
GIM	SE	80	ES	2		05:41	39.98		
GIM	SN	80				05:41	40.93	2	0.05
GIM	SE	80				05:41	40.17	4	0.19

February 26 1996 Time: 19:53 9.9 UTC Magnitude: 0.9 ML
Lat: 52.078N Lon: 2.736W Depth: 16.5 km
Grid Ref: 349.54 kmE 242.52 kmN RMS: 0.06 secs
Locality: HEREFORD, HER & WOR Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HAE	SZ	14	IP		D	19:53	13.50		
MCH	SZ	20	IP	1	C	19:53	14.22		
MCH	SN	20	ES	2		19:53	17.46		
MCH	SN	20				19:53	17.48	37	0.06
MCH	SE	20				19:53	17.52	68	0.09
HTR	SZ	37	EP	3		19:53	16.36		
SSP	SZ	46	IP		D	19:53	17.97		
SSP	SE	46	ES	2		19:53	23.84		
SSP	SN	46				19:53	24.05	11	0.12
SSP	SE	46				19:53	23.97	9	0.17
HGH	SZ	49	EP	1	C	19:53	18.50		
HLM	SZ	50	EP	3		19:53	18.41		
HCG	SZ	69	EP	2		19:53	21.54		

March 7 1996 Time: 05:34 57.5 UTC Magnitude: 0.4 ML
Lat: 57.293N Lon: 5.103W Depth: 7.1 km
Grid Ref: 213.06 kmE 826.78 kmN RMS: 0.09 secs
Locality: GLENAFFRIC, HIGHLAND Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KSB	SZ	21	EP	2		05:35	01.69		
KAC	SZ	26	IP	1	C	05:35	02.37		
KPL	SZ	34	EP	1	C	05:35	03.90		
KPL	SN	34	ES	2		05:35	07.98		
KPL	SN	34				05:35	08.43	6	0.24
KPL	SE	34				05:35	08.33	4	0.15
KAR	SZ	61	EP	2		05:35	07.81		

March 7 1996 Time: 13:19 2.2 UTC Magnitude: 1.9 ML
Lat: 52.946N Lon: 2.257W Depth: 0.3 km
Grid Ref: 382.71 kmE 338.86 kmN RMS: 0.34 secs
Locality: NEW-U-LYME, STAFFS Quality: C
Comments: C/F,FELT NEW-U-LYME... Intensity: 3+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KWE	SZ	29	EP	2		13:19	07.82		
KBI	SZ	60	EP	2		13:19	12.87		
HLM	SZ	64	EP	3		13:19	13.54		

SBD	SZ	68	EP	2		13:19	13.98		
SSP	SZ	83	EP	2		13:19	16.71		
SSP	SN	83	ES	3		13:19	26.93		
SSP	SN	83				13:19	30.23	27	0.32
SSP	SE	83				13:19	32.01	27	0.31
HAE	SZ	103	EP	3		13:19	20.37		
WPM	SZ	116	EP	2		13:19	21.16		
MCH	SN	117	ES	3		13:19	36.64		
MCH	SN	117				13:19	41.25	24	0.27
MCH	SE	117				13:19	41.56	20	0.17
HTR	SZ	119	EP	3		13:19	22.66		
HPK	SZ	120	EP	3		13:19	23.11		
HPK	SN	120	ES	3		13:19	38.10		
HPK	SN	120				13:19	40.50	72	0.17
HPK	SE	120				13:19	45.45	41	0.26
WFB	SZ	124	EP	2		13:19	23.04		
YLL	SZ	130	EP	2		13:19	23.61		
YRE	SZ	146	EP	2		13:19	26.08		
WCB	SZ	160	EP	2		13:19	28.19		
WCB	SN	160				13:19	48.69	8	0.21
WCB	SE	160				13:19	48.48	10	0.16

March 7 1996 Time: 23:41 24.2 UTC Magnitude: 3.4 ML
Lat: 52.795N Lon: 2.744W Depth: 10.6 km
Grid Ref: 349.85 kmE 322.27 kmN RMS: 0.09 secs
Locality: SHREWSBURY, SHROPSHIRE Quality: B
Comments: FELT SHREWSBURY...
EVENT 9KM NORTH OF
SHREWSBURY Intensity: 5

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HLM	SZ	32	IP		C	23:41	30.04		
SBD	SZ	37	IP		D	23:41	30.73		
KLE	SZ	40	IP	4	C	23:41	34.38		
SSP	SZ	49	IP		C	23:41	32.63		
SSP	SE	49	ES	1		23:41	38.41		
LLW	SZ	62	IP	3	C	23:41	34.80		
KWE	SZ	65	IP	1	C	23:41	35.32		
HCG	SZ	81	IP	1	C	23:41	37.64		
HBL2	SZ	85	IP	1	C	23:41	38.51		
HAE	SZ	85	IP	1	C	23:41	38.64		
HTR	SZ	87	EP	1	C	23:41	38.46		
MCH	SZ	90	IP		C	23:41	39.17		
MCH	SE	90	ES	2		23:41	49.68		
KBI	SZ	96	EP	1	C	23:41	40.21		
CWF	SZ	97	EP	2		23:41	40.18		
CWF	SN	97	ES	2		23:41	51.31		
LHO	SZ	102	IP	1	C	23:41	41.21		
KEY	SZ	113	EP	2		23:41	43.22		
LPW	SZ	118	IP	3	C	23:41	43.40		
HPK	SZ	149	IP	1	C	23:41	48.10		
HPK	SN	149	ES	1		23:42	05.48		
LMI	SZ	163	EP	3		23:41	49.53		
LMI	SN	163	ES	3		23:42	08.42		
LMI	SN	163				23:42	09.29	563	0.29
LMI	SE	163				23:42	11.33	809	0.23
GIM	SZ	202	EP	2		23:41	54.07		
GIM	SN	202	ES	2		23:42	15.86		
GIM	SN	202				23:42	20.74	214	0.13
GIM	SE	202				23:42	20.01	287	0.25
BHH	SZ	258	EP	3		23:42	00.76		
BHH	SN	258	ES	3		23:42	34.34		
BHH	SN	258				23:42	37.31	548	0.26
BHH	SE	258				23:42	38.22	410	0.47
GAL	SZ	265	EP	2		23:42	01.62		
GAL	SN	265	ES	3		23:42	28.15		
GAL	SN	265				23:42	29.66	51	0.13
GAL	SE	265				23:42	39.85	59	0.21
ESK	SZ	282	EP	3		23:42	04.08		
ESK	SN	282	ES	3		23:42	31.83		
ESK	SN	282				23:42	40.89	53	0.18
ESK	SE	282				23:42	41.43	97	0.22
CR2	SZ	337	EP	3		23:42	11.51		
CR2	SN	337				23:42	46.83	37	0.18
CR2	SE	337				23:42	47.51	34	0.21
JRS	SZ	403	EP	3		23:42	19.35		
JRS	SN	403				23:43	03.93	19	0.33
JRS	SE	403				23:43	02.19	41	0.24

March 8 1996 Time: 03:58 49.1 UTC Magnitude: 1.7 ML
Lat: 53.195N Lon: 1.092W Depth: 1.0 km
Grid Ref: 460.65 kmE 366.89 kmN RMS: 0.35 secs
Locality: MANSFIELD, NOTTS Quality: C
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KBI	SZ	30	EP	2		03:58	54.43		
KSY	SZ	43	EP	1	D	03:58	56.91		
CWF	SZ	53	EP	2		03:58	58.98		
CWF	SE	53	ES	3		03:59	06.06		
CWF	SN	53				03:59	11.35	10	0.13
CWF	SE	53				03:59	10.08	13	0.13
KWE	SZ	54	EP	2		03:58	58.94		
HPK	SZ	92	EP	3		03:59	04.28		
HPK	SN	92	ES	3		03:59	15.61		
HPK	SN	92				03:59	19.49	90	0.26
HPK	SE	92				03:59	19.08	62	0.26
LWH	SZ	130	EP	3		03:59	11.33		
LRN	SZ	143	EP	2		03:59	13.30		

March 16 1996 Time: 06:23 30.6 UTC Magnitude: 2.3 ML
Lat: 52.967N Lon: 2.270W Depth: 1.8 km
Grid Ref: 381.89 kmE 341.16 kmN RMS: 0.24 secs
Locality: NEW-U-LYME, STAFFS Quality: B
Comments: C/F,FELT NEW-U-LYME... Intensity: 3+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KLE	SZ	4	EP	9		06:23	34.32		
KLE	SZ	4	ES	3		06:23	35.09		
KWE	SZ	29	EP	2		06:23	36.02		
KBI	SZ	59	EP	2		06:23	41.05		
HLM	SZ	65	EP	3		06:23	41.68		
SBD	SZ	67	EP	2		06:23	42.09		
CWF	SZ	70	EP	3		06:23	42.79		
CWF	SN	70	ES	3		06:23	50.81		
LHO	SZ	70	EP	2		06:23	42.65		
SSP	SZ	84	EP	2		06:23	44.84		
SSP	SN	84	ES	2		06:23	55.18		
SSP	SN	84				06:23	56.79	47	0.20
SSP	SE	84				06:23	57.50	31	0.20
HAE	SZ	105	EP	3		06:23	48.39		
WPM	SZ	114	EP	3		06:23	49.46		
HPK	SZ	118	EP	3		06:23	50.66		
HPK	SN	118	ES	3		06:24	05.01		
HPK	SN	118				06:24	08.80	158	0.20
HPK	SE	118				06:24	07.75	140	0.24
HCG	SZ	118	EP	3		06:23	50.17		
MCH	SZ	119	EP	2		06:23	50.44		
MCH	SN	119	ES	2		06:24	05.09		
MCH	SN	119				06:24	06.71	42	0.18
MCH	SE	119				06:24	09.25	40	0.20
HTR	SZ	120	EP	3		06:23	50.98		
WFB	SZ	123	EP	2		06:23	51.09		
YLL	SZ	129	EP	3		06:23	51.65		
YRE	SZ	145	EP	2		06:23	54.23		
HGH	SZ	152	EP	3		06:23	56.24		
WCB	SZ	159	EP	3		06:23	56.48		
WCB	SN	159	ES	3		06:24	14.67		

March 17 1996 Time: 01:29 51.3 UTC Magnitude: 1.7 ML
Lat: 52.728N Lon: 1.067W Depth: 13.7 km
Grid Ref: 462.99 kmE 314.97 kmN RMS: 0.09 secs
Locality: LEICESTER, LEICS Quality: B
Comments: 10KM NW OF LEICESTER

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CWF	SZ	16	IP		C	01:29	54.96		
CWF	SN	16	ES	2		01:29	57.65		
KEY	SZ	17	EP	3		01:29	55.12		
KSY	SZ	42	IP		C	01:29	58.66		
KUF	SZ	48	EP	2		01:29	59.51		
KWE	SZ	61	EP	3		01:30	01.44		
KBI	SZ	66	EP	2		01:30	02.18		
LHO	SZ	105	IP	1	C	01:30	08.36		
HAE	SZ	127	EP	3		01:30	11.56		
HPK	SZ	142	EP	3		01:30	13.58		
HPK	SN	142	ES	3		01:30	29.97		
HPK	SN	142				01:30	33.04	28	0.22
HPK	SE	142				01:30	31.30	32	0.35
SSP	SZ	143	EP	3		01:30	13.75		
SSP	SN	143	ES	3		01:30	30.01		
SSP	SN	143				01:30	32.11	5	0.17
SSP	SE	143				01:30	32.56	6	0.17
MCH	SN	155	ES	4		01:30	33.14		
MCH	SN	155				01:30	34.91	6	0.10
MCH	SE	155				01:30	34.87	6	0.10

March 24 1996 Time: 19:28 6.6 UTC Magnitude: -0.2 ML
Lat: 52.974N Lon: 4.399W Depth: 21.4 km
Grid Ref: 238.93 kmE 344.61 kmN RMS: 0.08 secs
Locality: LLEYN PENIN, GWYNEDD Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YRE	SZ	2	EP	2		19:28	10.18		
YRE	SZ	2	ES	3		19:28	12.30		
YRE	SZ	2				19:28	13.38	3	0.08
YRH	SZ	22	EP	2		19:28	11.44		
YRH	SZ	22	ES	2		19:28	15.03		
YRH	SZ	22				19:28	15.12	5	0.10
YLL	SZ	24	EP	1		19:28	11.79		
YLL	SZ	24	ES	3		19:28	15.39		
YLL	SZ	24				19:28	15.69	5	0.12
YRC	SZ	33	EP	2		19:28	12.96		

March 29 1996 Time: 19:28 55.0 UTC Magnitude: 1.6 ML
Lat: 56.117N Lon: 3.658W Depth: 0.1 km
Grid Ref: 296.90 kmE 692.82 kmN RMS: 0.08 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	17	EP	2		19:28	58.77		
EBH	SZ	17	ES	3		19:29	01.69		
PCO	SZ	31	EP	2		19:29	01.18		
PCO	SZ	31	ES	3		19:29	05.63		
EAU	SZ	33	EP	2		19:29	01.41		
EDI	SZ	37	EP	2		19:29	02.03		
EDI	SE	37	ES	3		19:29	07.20		
EDI	SN	37				19:29	07.64	63	0.31
EDI	SE	37				19:29	08.16	74	0.34
ELO	SZ	40	EP	3		19:29	02.64		
EAB	SZ	43	EP	2		19:29	03.06		
EBL	SZ	54	EP	3		19:29	04.84		
PGB	SE	62	ES	4		19:29	14.47		
PGB	SN	62				19:29	18.68	22	0.54
PGB	SE	62				19:29	17.69	27	0.41
EDU	SZ	62	EP	2		19:29	06.34		
PMS	SZ	74	EP	3		19:29	08.09		

March 31 1996 Time: 18:21 22.0 UTC Magnitude: -0.5 ML
Lat: 57.199N Lon: 5.425W Depth: 4.0 km
Grid Ref: 193.09 kmE 817.17 kmN RMS: 0.00 secs
Locality: SHIEL BRIDGE, HIGHLAND Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KSB	SZ	1	IP		C	18:21	22.90		
KSB	SZ	1	ES	3		18:21	23.58		
KPL	SZ	21	EP	2		18:21	25.98		
KPL	SN	21	ES	3		18:21	28.89		
KPL	SN	21				18:21	29.33	2	0.16
KPL	SE	21				18:21	29.02	2	0.19
KAC	SZ	34	EP	3		18:21	28.28		

April 2 1996 Time: 01:00 3.2 UTC Magnitude: 1.2 ML
Lat: 52.970N Lon: 4.415W Depth: 20.4 km
Grid Ref: 237.82 kmE 344.17 kmN RMS: 0.09 secs
Locality: LLEYN PENIN, GWYNEDD Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YRE	SZ	1	IP		D	01:00	06.55		
YRH	SZ	21	IP	1	D	01:00	07.90		
YLL	SZ	25	IP		C	01:00	08.43		
YRC	SZ	33	IP	1	C	01:00	09.52		
WLF	SZ	36	IP	1	C	01:00	09.70		
WFB	SZ	41	EP	2		01:00	10.70		
WCB	SZ	46	EP	1	D	01:00	11.55		
WCB	SN	46	ES	2		01:00	17.21		
WCB	SN	46				01:00	18.28	10	0.07
WCB	SE	46				01:00	17.99	12	0.10
WPM	SZ	47	IP		C	01:00	11.38		
WME	SZ	48	IP	1	D	01:00	11.55		
SBD	SZ	78	EP	3		01:00	15.73		
HCG	SZ	89	EP	2		01:00	17.77		
SSP	SZ	107	EP	3		01:00	20.69		
SSP	SE	107	ES	3		01:00	33.76		
SSP	SN	107				01:00	34.81	10	0.23
SSP	SE	107				01:00	34.80	6	0.22
HLM	SZ	115	EP	2		01:00	21.85		

April 3 1996 Time: 08:28 8.9 UTC Magnitude: 1.0 ML
Lat: 57.280N Lon: 4.491W Depth: 10.0 km
Grid Ref: 249.84 kmE 823.75 kmN RMS: 0.26 secs
Locality: LOCH NESS, HIGHLAND Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
MDO	SZ	20	IP	1	D	08:28	12.44		
KAC	SZ	54	EP	2		08:28	18.39		
KSB	SZ	57	EP	2		08:28	18.41		
KPL	SZ	70	EP	2		08:28	20.93		
KPL	SN	70	ES	3		08:28	29.65		
KPL	SN	70				08:28	30.10	4	0.31
KPL	SE	70				08:28	30.18	2	0.19
MVH	SZ	74	EP	2		08:28	21.51		
MCD	SZ	82	EP	3		08:28	22.37		
MCD	SE	82	ES	3		08:28	34.08		
MCD	SN	82				08:28	35.31	10	0.21
MCD	SE	82				08:28	35.13	14	0.19
MME	SZ	92	EP	3		08:28	24.29		
MFI	SZ	137	EP	3		08:28	31.45		

April 11 1996 Time: 00:24 0.8 UTC Magnitude: 1.3 ML
Lat: 53.191N Lon: 1.134W Depth: 0.1 km
Grid Ref: 457.88 kmE 366.33 kmN RMS: 0.36 secs
Locality: WORKSOP, NOTTS Quality: C
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KBI	SZ	27	EP	3		00:24	06.25		
KSY	SZ	44	EP	3		00:24	08.97		
KWE	SZ	51	EP	3		00:24	09.90		
CWF	SZ	52	EP	3		00:24	10.71		
CWF	SE	52	ES	3		00:24	18.09		
CWF	SN	52				00:24	21.37	6	0.26
CWF	SE	52				00:24	20.65	8	0.10
HPK	SZ	91	EP	3		00:24	16.22		
HPK	SE	91	ES	3		00:24	27.83		
HPK	SN	91				00:24	31.18	25	0.43
HPK	SE	91				00:24	31.44	19	0.20
LWH	SZ	131	EP	3		00:24	23.25		
LRN	SZ	143	EP	3		00:24	25.33		

April 11 1996 Time: 00:42 19.2 UTC Magnitude: 1.0 ML
Lat: 54.569N Lon: 4.339W Depth: 6.7 km
Grid Ref: 248.84 kmE 521.80 kmN RMS: 0.14 secs
Locality: BURROW HEAD, D & G Quality: C
Comments: 13KM SSE OF BURROW HEAD OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GIM	SZ	32	IP	1	D	00:42	25.19		
GIM	SE	32	ES	2		00:42	28.99		
GIM	SN	32				00:42	29.81	25	0.04
GIM	SE	32				00:42	29.97	16	0.03
GAL	SZ	41	IP	1	D	00:42	26.64		
GAL	SN	41	ES	2		00:42	31.56		
GAL	SN	41				00:42	31.61	8	0.12
GAL	SE	41				00:42	31.62	11	0.12
GCD	SZ	42	EP	2		00:42	26.61		
XDE	SZ	55	EP	2		00:42	28.93		
BNA	SZ	64	EP	2		00:42	29.95		
CSF	SZ	72	EP	2		00:42	31.44		
BBO	SZ	73	EP	2		00:42	31.52		
BBO	SE	73	ES	2		00:42	40.56		
BBO	SN	73				00:42	41.28	5	0.20
BBO	SE	73				00:42	41.44	4	0.13
LMI	SZ	77	EP	2		00:42	32.68		
LMI	SE	77	ES	4		00:42	41.45		
LMI	SN	77				00:42	42.12	8	0.19
LMI	SE	77				00:42	42.07	7	0.20
CKE	SZ	80	EP	2		00:42	32.86		

April 12 1996 Time: 23:52 51.0 UTC Magnitude: 1.1 ML
Lat: 53.228N Lon: 1.084W Depth: 2.3 km
Grid Ref: 461.12 kmE 370.53 kmN RMS: 0.04 secs
Locality: WORKSOP, NOTTS Quality: C
Comments: C/F,8KM SOUTH OF WORKSOP

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KBI	SZ	30	EP	3		23:52	56.55		
KSY	SZ	44	EP	3		23:52	59.06		
KWE	SZ	56	EP	3		23:53	01.02		
CWF	SZ	57	EP	2		23:53	01.02		
CWF	SE	57	ES	3		23:53	08.30		
CWF	SN	57				23:53	15.27	8	0.25
CWF	SE	57				23:53	13.29	9	0.09

April 13 1996 Time: 03:02 59.1 UTC Magnitude: 0.7 ML
Lat: 56.116N Lon: 3.655W Depth: 0.2 km
Grid Ref: 297.14 kmE 692.64 kmN RMS: 0.07 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	17	EP	1	D	03:03	02.91		
EAU	SZ	33	EP	2		03:03	05.57		
EDI	SZ	36	EP	2		03:03	06.15		
EDI	SE	36	ES	3		03:03	11.47		
EDI	SN	36				03:03	11.59	9	0.34
EDI	SE	36				03:03	12.27	11	0.34
ELO	SZ	40	EP	2		03:03	06.77		
EAB	SZ	43	EP	2		03:03	07.35		
EBL	SZ	54	EP	3		03:03	08.95		

April 15 1996 Time: 00:50 13.5 UTC Magnitude: 1.1 ML
Lat: 56.310N Lon: 4.222W Depth: 4.5 km
Grid Ref: 262.55 kmE 715.29 kmN RMS: 0.08 secs
Locality: CALLANDER, CENTRAL Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EAB	SZ	15	IP		D	00:50	16.67		
ELO	SZ	36	EP	2		00:50	20.14		
PCO	SZ	37	IP		C	00:50	20.15		
EBH	SZ	45	EP	2		00:50	21.43		
PGB	SZ	58	EP	3		00:50	23.63		
PGB	SN	58				00:50	32.33	10	0.20
PGB	SE	58				00:50	31.27	5	0.15
PMS	SZ	61	EP	3		00:50	23.83		
PCA	SZ	68	EP	3		00:50	25.14		
EAU	SZ	71	EP	2		00:50	25.45		
EDI	SZ	78	EP	2		00:50	26.70		
EDI	SE	78	ES	3		00:50	36.18		
EDI	SN	78				00:50	39.88	6	0.16
EDI	SE	78				00:50	39.18	10	0.34
EBL	SZ	95	EP	3		00:50	29.45		

April 17 1996 Time: 22:17 45.0 UTC Magnitude: 0.6 ML
Lat: 48.899N Lon: 1.992W Depth: 8.5 km
Grid Ref: 400.59 kmE -111.26 kmN RMS: 0.07 secs
Locality: JERSEY, CHANNEL ISLANDS Quality: D
Comments: 25KM SE OF JERSEY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
JRS	SZ	34	EP	2		22:17	51.03		
JRS	SN	34	ES	3		22:17	55.27		
JRS	SN	34				22:17	55.53	9	0.05
JRS	SE	34				22:17	55.53	9	0.06
JQE	SZ	34	EP	3		22:17	51.12		
JSA	SZ	35	EP	3		22:17	51.27		
JVM	SZ	39	EP	3		22:17	51.90		
JLP	SZ	39	EP	3		22:17	51.96		

April 20 1996 Time: 09:42 13.0 UTC Magnitude: 2.2 ML
Lat: 62.599N Lon: 1.056E Depth: 15.0 km
Grid Ref: 556.86 kmE 1417.07 kmN RMS: 0.03 secs
Locality: NORTHERN NORTH SEA Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
WAL	SZ	297	EP	3		09:42	53.93		
WAL	SZ	297	ES	3		09:43	23.83		
LRW	SZ	299	EP	3		09:42	54.17		
LRW	SE	299	ES	3		09:43	24.30		
LRW	SN	299				09:43	27.23	4	0.16
LRW	SE	299				09:43	28.25	7	0.18
SAN	SZ	313	EP	3		09:42	55.84		
SAN	SZ	313	ES	3		09:43	27.11		

April 21 1996 Time: 02:27 19.8 UTC Magnitude: 2.3 ML
Lat: 53.611N Lon: 1.358W Depth: 4.2 km
Grid Ref: 442.45 kmE 412.95 kmN RMS: 0.04 secs
Locality: BARNSLEY, S YORKSHIRE Quality: B
Comments: 8KM NE OF BARNSLEY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
LDU	SZ	25	EP	2		02:27	24.56		
LHO	SZ	34	IP	1	C	02:27	26.00		
KBI	SZ	41	EP	2		02:27	27.33		
HPK	SZ	42	EP	1	D	02:27	27.49		
HPK	SN	42	ES	3		02:27	32.90		
HPK	SN	42				02:27	33.17	281	0.21
HPK	SE	42				02:27	35.24	262	0.24
LMK	SZ	71	EP	2		02:27	31.80		
KWE	SZ	74	EP	3		02:27	32.43		
KSY	SZ	89	EP	1	D	02:27	34.77		
LWH	SZ	92	EP	3		02:27	35.81		
LRN	SZ	94	EP	3		02:27	35.92		
CWF	SZ	97	EP	2		02:27	36.50		
CWF	SN	97	ES	3		02:27	47.70		
CWF	SN	97				02:27	48.59	91	0.21
CWF	SE	97				02:27	48.03	84	0.29
LCP	SZ	126	EP	3		02:27	41.32		
KUF	SZ	128	EP	3		02:27	41.11		
SBD	SZ	149	EP	3		02:27	44.53		

April 21 1996 Time: 18:28 50.4 UTC Magnitude: 2.2 ML
Lat: 51.897N Lon: 4.202W Depth: 8.6 km
Grid Ref: 248.51 kmE 224.43 kmN RMS: 0.14 secs
Locality: CARMARTHEN, DYFED Quality: B
Comments: 7KM NE OF CARMARTHEN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HSA	SZ	17	IP		C	18:28	53.68		
HPE	SZ	40	EP	2		18:28	57.26		
HCG	SZ	60	IP		C	18:29	00.74		
HTR	SZ	67	IP	1	D	18:29	01.85		
MCH	SZ	84	EP	3		18:29	04.11		
MCH	SE	84	ES	3		18:29	13.77		
WFB	SZ	88	EP	2		18:29	05.42		
SSP	SZ	94	IP	1	C	18:29	06.27		
SSP	SN	94	ES	2		18:29	17.32		
SSP	SN	94				18:29	21.65	82	0.21
SSP	SE	94				18:29	21.87	86	0.10
HGH	SZ	101	EP	2		18:29	06.93		
HTL	SZ	102	IP		C	18:29	07.77		
HTL	SE	102	ES	2		18:29	19.46		
HTL	SN	102				18:29	20.89	29	0.20
HTL	SE	102				18:29	21.43	49	0.17
YRH	SZ	108	EP	2		18:29	08.79		
HLM	SZ	114	EP	2		18:29	09.27		
HAE	SZ	115	EP	2		18:29	09.40		
YRE	SZ	122	EP	2		18:29	10.89		
SBD	SZ	129	EP	3		18:29	11.94		
WPM	SZ	153	EP	2		18:29	15.30		

April 23 1996 Time: 12:23 53.7 UTC Magnitude: 1.8 ML
Lat: 62.153N Lon: 1.308E Depth: 11.7 km
Grid Ref: 572.32 kmE 1368.04 kmN RMS: 0.05 secs
Locality: NORTHERN NORTH SEA Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
LRW	SZ	262	EP	3		12:24	30.49		
LRW	SE	262	ES	3		12:24	57.28		
LRW	SN	262				12:25	02.44	3	0.15
LRW	SE	262				12:25	00.32	5	0.10
WAL	SZ	263	EP	3		12:24	30.64		
WAL	SZ	263	ES	3		12:24	57.73		
SAN	SZ	275	EP	3		12:24	32.18		
SAN	SZ	275	ES	3		12:25	00.22		

April 23 1996 Time: 16:19 56.8 UTC Magnitude: 1.9 ML
Lat: 53.075N Lon: 1.215W Depth: 1.8 km
Grid Ref: 452.58 kmE 353.41 kmN RMS: 0.12 secs
Locality: MANSFIELD, NOTTS Quality: B
Comments: 8KM SW OF MANSFIELD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KEY	SZ	24	EP	2		16:20	01.75		
KBI	SZ	29	IP	1	D	16:20	02.24		
CWF	SZ	38	EP	1	C	16:20	03.90		
CWF	SE	38	ES	2		16:20	08.73		
CWF	SN	38				16:20	08.82	26	0.11
CWF	SE	38				16:20	08.95	71	0.10
KWE	SZ	43	EP	2		16:20	04.69		
KSY	SZ	44	EP	2		16:20	04.80		
LHO	SZ	68	EP	3		16:20	08.70		
HPK	SZ	102	EP	3		16:20	14.40		
HPK	SN	102	ES	2		16:20	26.39		
HPK	SN	102				16:20	30.14	115	0.17
HPK	SE	102				16:20	30.19	81	0.17

April 25 1996 Time: 08:51 17.7 UTC Magnitude: 1.5 ML
Lat: 56.422N Lon: 4.452W Depth: 2.5 km
Grid Ref: 248.78 kmE 728.20 kmN RMS: 0.06 secs
Locality: BALQUIDDER, CENTRAL Quality: B
Comments: 7KM NW OF BALQUIDDER

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EAB	SZ	27	IP	1	C	08:51	22.68		
ELO	SZ	46	IP	1	C	08:51	25.87		
PCO	SZ	53	EP	2		08:51	27.02		
EBH	SZ	62	EP	2		08:51	28.50		
PMS	SZ	67	EP	3		08:51	29.10		
PGB	SZ	68	EP	3		08:51	29.46		
PGB	SN	68				08:51	37.77	29	0.20
PGB	SE	68				08:51	40.06	11	0.18
PCA	SZ	81	EP	3		08:51	31.53		
EAU	SZ	90	EP	3		08:51	32.84		
EDI	SZ	96	EP	3		08:51	33.75		
EDI	SE	96	ES	3		08:51	45.52		
EDI	SN	96				08:51	49.08	26	0.45
EDI	SE	96				08:51	48.87	20	0.19
KAR	SZ	101	EP	2		08:51	34.53		
KSB	SZ	106	EP	2		08:51	35.25		
KPL	SZ	126	EP	3		08:51	38.32		
KPL	SE	126	ES	3		08:51	53.36		
KPL	SN	126				08:51	54.12	5	0.13
KPL	SE	126				08:51	54.15	7	0.20
KAC	SZ	131	EP	3		08:51	39.22		

April 26 1996 Time: 05:41 55.1 UTC Magnitude: 0.4 ML
Lat: 56.251N Lon: 3.753W Depth: 4.4 km
Grid Ref: 291.37 kmE 707.93 kmN RMS: 0.08 secs
Locality: BLACKFORD, CENTRAL Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	15	IP		C	05:41	58.15		
EBH	SZ	15	ES	3		05:42	00.32		
ELO	SZ	25	IP		C	05:41	59.81		
ELO	SZ	25	ES	3		05:42	03.04		
PCO	SZ	36	IP	1	C	05:42	01.82		
EAB	SZ	37	IP		C	05:42	01.88		
EDI	SZ	51	EP	3		05:42	04.06		
EDI	SN	51	ES	3		05:42	10.44		
EDI	SN	51				05:42	10.47	2	0.15
EDI	SE	51				05:42	10.62	2	0.17
EDU	SZ	56	EP	3		05:42	05.06		
PCA	SZ	69	EP	2		05:42	07.12		

April 26 1996 Time: 11:22 48.9 UTC Magnitude: 1.1 ML
Lat: 56.117N Lon: 3.662W Depth: 1.3 km
Grid Ref: 296.66 kmE 692.77 kmN RMS: 0.05 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	EP	2		11:22	52.50		
EBH	SZ	18	ES	3		11:22	55.29		
PCO	SZ	31	EP	2		11:22	54.83		
PCO	SZ	31	ES	3		11:22	59.03		
EAU	SZ	33	EP	3		11:22	55.18		
EAU	SZ	33	ES	3		11:22	59.78		
EDI	SZ	37	EP	3		11:22	55.84		
EDI	SE	37	ES	3		11:23	00.77		
EDI	SN	37				11:23	01.38	22	0.32
EDI	SE	37				11:23	02.48	24	0.45
ELO	SZ	40	EP	3		11:22	56.32		
ELO	SZ	40	ES	3		11:23	01.61		

EAB	SZ	43	EP	3		11:22	56.80		
EBL	SZ	54	EP	3		11:22	58.70		
PCA	SZ	59	EP	3		11:22	59.48		
PGB	SZ	61	EP	3		11:22	59.89		
PMS	SZ	74	EP	3		11:23	01.82		
ESK	SE	94	ES	4		11:23	16.50		
ESK	SN	94				11:23	18.58	6	0.21
ESK	SE	94				11:23	18.51	3	0.22

April 30 1996 Time: 22:38 39.2 UTC Magnitude: 0.6 ML
Lat: 53.018N Lon: 3.962W Depth: 15.0 km
Grid Ref: 268.38 kmE 348.52 kmN RMS: 0.21 secs
Locality: BLAENAU FFESTINIOG Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YLL	SZ	20	IP	1	C	22:38	42.99		
WPM	SZ	27	EP	2		22:38	44.45		
YRE	SZ	31	IP		C	22:38	45.08		
WFB	SZ	38	EP	3		22:38	45.64		
WLF	SZ	42	EP	2		22:38	46.17		
WME	SZ	48	IP	1	C	22:38	47.17		
YRH	SZ	49	EP	2		22:38	47.78		
YRC	SZ	49	EP	3		22:38	47.51		
WCB	SZ	56	EP	2		22:38	49.32		
WCB	SE	56	ES	3		22:38	54.48		
WCB	SN	56				22:38	54.77	3	0.18
WCB	SE	56				22:38	54.83	3	0.19

May 5 1996 Time: 09:08 8.4 UTC Magnitude: 1.7 ML
Lat: 53.042N Lon: 2.182W Depth: 5.7 km
Grid Ref: 387.79 kmE 349.41 kmN RMS: 0.18 secs
Locality: STOKE-ON-TRENT, STAFFS Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KWE	SZ	23	EP	2		09:08	12.82		
KBI	SZ	50	EP	2		09:08	17.40		
LHO	SZ	60	EP	3		09:08	18.62		
CWF	SZ	68	EP	3		09:08	19.25		
CWF	SN	68	ES	2		09:08	28.32		
CWF	SN	68				09:08	29.09	23	0.31
CWF	SE	68				09:08	28.92	17	0.24
SBD	SZ	74	EP	2		09:08	20.73		
HLM	SZ	75	EP	2		09:08	20.85		
SSP	SZ	94	EP	2		09:08	24.02		
SSP	SN	94	ES	2		09:08	35.16		
SSP	SN	94				09:08	36.20	9	0.13
SSP	SE	94				09:08	39.71	11	0.31
HPK	SE	108	ES	3		09:08	38.89		
HPK	SN	108				09:08	42.91	28	0.20
HPK	SE	108				09:08	42.97	29	0.37
WPM	SZ	118	EP	3		09:08	28.02		
MCH	SE	129	ES	2		09:08	44.81		
MCH	SN	129				09:08	48.06	15	0.24
MCH	SE	129				09:08	48.21	10	0.13
WFB	SZ	131	EP	2		09:08	30.15		
YLL	SZ	134	EP	3		09:08	30.19		
YRE	SZ	151	EP	2		09:08	33.11		
YRH	SZ	166	EP	2		09:08	35.04		

May 6 1996 Time: 03:49 29.1 UTC Magnitude: 2.8 ML
Lat: 53.036N Lon: 2.200W Depth: 2.6 km
Grid Ref: 386.59 kmE 348.78 kmN RMS: 0.11 secs
Locality: STOKE-ON-TRENT, STAFFS Quality: B
Comments: FELT STOKE-ON-TRENT... Intensity: 4

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KWE	SZ	24	IP	1	C	03:49	33.61		
KBI	SZ	51	IP	1	C	03:49	38.22		
LHO	SZ	61	EP	1	C	03:49	39.71		
CWF	SZ	69	IP		D	03:49	40.87		
CWF	SE	69	ES	2		03:49	49.44		
CWF	SN	69				03:49	49.71	502	0.26
CWF	SE	69				03:49	49.72	374	0.19
SBD	SZ	73	IP	1	C	03:49	41.51		
HLM	SZ	74	EP	1	C	03:49	41.49		
KEY	SZ	78	EP	2		03:49	42.43		
SSP	SZ	92	IP	1	D	03:49	44.79		
SSP	SE	92	ES	2		03:49	55.92		
SSP	SN	92				03:49	56.68	199	0.29
SSP	SE	92				03:50	00.44	225	0.27
HPK	SZ	109	EP	3		03:49	47.70		
HPK	SE	109	ES	3		03:50	00.90		
HPK	SN	109				03:50	04.58	434	0.20
HPK	SE	109				03:50	03.77	515	0.38
KSY	SZ	109	EP	2		03:49	47.38		
HAE	SZ	114	EP	2		03:49	48.17		
WPM	SZ	117	EP	2		03:49	48.39		
HCG	SZ	127	EP	2		03:49	49.95		
MCH	SZ	128	EP	2		03:49	50.27		
MCH	SN	128	ES	2		03:50	05.28		
MCH	SN	128				03:50	08.73	358	0.16
MCH	SE	128				03:50	09.03	259	0.14
HTR	SZ	129	EP	2		03:49	50.28		
WFB	SZ	130	IP	1	C	03:49	50.45		
KUF	SZ	131	EP	2		03:49	50.84		
YLL	SZ	133	EP	2		03:49	50.81		
WME	SZ	146	EP	2		03:49	52.97		
WLF	SZ	150	IP	1	C	03:49	53.44		
YRE	SZ	150	EP	1	C	03:49	53.41		
LMI	SE	151	ES	3		03:50	11.35		
LMI	SN	151				03:50	16.56	89	0.31
LMI	SE	151				03:50	17.06	169	0.37
WCB	SZ	161	EP	2		03:49	55.09		
WCB	SN	161	ES	3		03:50	12.41		
WCB	SN	161				03:50	15.40	35	0.17
WCB	SE	161				03:50	16.47	65	0.20
YRC	SZ	161	EP	2		03:49	54.96		
YRH	SZ	165	EP	2		03:49	55.61		
GIM	SZ	205	EP	3		03:50	00.14		
GIM	SN	205				03:50	28.81	40	0.20
GIM	SE	205				03:50	27.90	39	0.25
HTL	SZ	276	EP	2		03:50	10.58		

May 6 1996 Time: 11:10 29.6 UTC Magnitude: 1.8 ML
Lat: 53.026N Lon: 2.191W Depth: 3.6 km
Grid Ref: 387.22 kmE 347.65 kmN RMS: 0.10 secs
Locality: STOKE-ON-TRENT, STAFFS Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KWE	SZ	23	EP	2		11:10	34.01		
KBI	SZ	51	EP	2		11:10	38.61		
LHO	SZ	62	EP	2		11:10	40.34		
CWF	SZ	68	EP	2		11:10	41.23		
CWF	SN	68	ES	2		11:10	49.63		
CWF	SN	68				11:10	50.26	33	0.30
CWF	SE	68				11:10	50.12	25	0.18
SBD	SZ	73	EP	2		11:10	41.95		
HLM	SZ	73	EP	2		11:10	41.83		
SSP	SZ	92	EP	2		11:10	45.30		
SSP	SE	92	ES	2		11:10	56.18		
SSP	SN	92				11:10	57.14	14	0.33
SSP	SE	92				11:11	00.89	11	0.17
HPK	SN	110	ES	3		11:11	01.02		
HPK	SN	110				11:11	04.91	50	0.19
HPK	SE	110				11:11	04.10	41	0.42
WPM	SZ	118	EP	3		11:10	49.36		
MCH	SZ	127	EP	3		11:10	51.36		
MCH	SN	127	ES	3		11:11	05.55		
MCH	SN	127				11:11	09.28	21	0.20
MCH	SE	127				11:11	09.51	17	0.21
WFB	SZ	130	EP	3		11:10	50.87		
YRE	SZ	150	EP	3		11:10	54.16		
WCB	SZ	162	EP	3		11:10	55.57		
WCB	SN	162	ES	3		11:11	13.73		
WCB	SN	162				11:11	16.28	5	0.19
WCB	SE	162				11:11	15.35	6	0.16
YRH	SZ	166	EP	3		11:10	56.05		

May 11 1996 Time: 20:28 49.9 UTC Magnitude: 1.9 ML
Lat: 53.035N Lon: 2.188W Depth: 2.7 km
Grid Ref: 387.39 kmE 348.67 kmN RMS: 0.14 secs
Locality: STOKE-ON-TRENT, STAFFS Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KWE	SZ	23	EP	1	C	20:28	54.25		
KBI	SZ	51	EP	1	C	20:28	58.89		
CWF	SZ	68	EP	1	D	20:29	01.53		
CWF	SN	68	ES	2		20:29	10.14		
CWF	SN	68				20:29	10.41	71	0.26
CWF	SE	68				20:29	10.40	51	0.20
SBD	SZ	73	EP	1	C	20:29	02.34		
HLM	SZ	74	EP	2		20:29	02.29		
SSP	SZ	93	EP	1	D	20:29	05.54		
SSP	SN	93	ES	2		20:29	16.58		
SSP	SN	93				20:29	19.44	31	0.27
SSP	SE	93				20:29	18.30	21	0.34
KSY	SZ	108	EP	3		20:29	08.37		
HAE	SZ	114	EP	3		20:29	09.13		
WPM	SZ	118	EP	3		20:29	09.83		
HCG	SZ	127	EP	2		20:29	11.03		
MCH	SZ	128	EP	3		20:29	11.27		
MCH	SN	128	ES	2		20:29	26.15		
MCH	SN	128				20:29	29.70	45	0.23
MCH	SE	128				20:29	29.92	46	0.14
HTR	SZ	129	EP	2		20:29	11.54		
KUF	SZ	130	EP	2		20:29	11.81		
WFB	SZ	131	EP	3		20:29	11.21		
YLL	SZ	133	EP	3		20:29	11.58		
YRE	SZ	150	EP	3		20:29	14.54		
HGH	SZ	161	EP	3		20:29	15.90		
WCB	SZ	162	EP	3		20:29	16.27		
WCB	SN	162	ES	3		20:29	35.01		
WCB	SN	162				20:29	36.42	5	0.23
WCB	SE	162				20:29	35.68	8	0.15
YRH	SZ	166	EP	3		20:29	16.56		

May 12 1996 Time: 06:13 58.3 UTC Magnitude: 0.4 ML
Lat: 57.472N Lon: 5.504W Depth: 7.3 km
Grid Ref: 189.90 kmE 847.81 kmN RMS: 0.02 secs
Locality: TORRIDON, HIGHLAND Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KAC	SZ	13	IP	1	D	06:14	01.10		
KPL	SZ	17	IP	1	D	06:14	01.86		
KPL	SN	17	ES	2		06:14	04.37		
KPL	SN	17				06:14	04.65	18	0.08
KPL	SE	17				06:14	04.70	19	0.12
KSB	SZ	30	EP	1	C	06:14	03.77		
KAR	SZ	65	EP	1	C	06:14	09.17		

May 13 1996 Time: 17:41 9.2 UTC Magnitude: 0.4 ML
Lat: 54.854N Lon: 2.942W Depth: 14.1 km
Grid Ref: 339.54 kmE 551.44 kmN RMS: 0.04 secs
Locality: CARLISLE, CUMBRIA Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
BDL	SZ	6	EP	2		17:41	11.93		
BTA	SZ	18	EP	1	C	17:41	13.19		
BTA	SE	18	ES	2		17:41	16.11		
BTA	SN	18				17:41	15.83	11	0.21
BTA	SE	18				17:41	17.17	12	0.22
BBO	SZ	24	IP	1	C	17:41	14.13		
BBO	SE	24	ES	2		17:41	17.51		
BBO	SN	24				17:41	18.33	18	0.18
BBO	SE	24				17:41	18.32	25	0.18
BBH	SZ	31	IP	1	D	17:41	15.17		
BHH	SZ	32	IP	1	D	17:41	15.33		
BHH	SN	32	ES	3		17:41	19.75		
BHH	SN	32				17:41	20.61	6	0.23
BHH	SE	32				17:41	20.81	5	0.21
ECK	SZ	38	IP	1	D	17:41	16.25		
BNA	SZ	46	EP	2		17:41	17.48		

May 18 1996 Time: 21:01 54.5 UTC Magnitude: 2.9 ML
Lat: 56.163N Lon: 5.174W Depth: 7.9 km
Grid Ref: 202.94 kmE 701.27 kmN RMS: 0.11 secs
Locality: LOCH FYNE, STRATHCLYDE Quality: B
Comments: FELT FURNACE,INVERARAY.. Intensity: 3+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
PMS	SZ	44	IP		C	21:02	02.13		
EAB	SZ	52	IP		C	21:02	03.32		
PGB	SZ	59	IP		C	21:02	04.53		
PGB	SN	59	ES	3		21:02	11.49		
PGB	SN	59				21:02	12.02	779	0.44
PGB	SE	59				21:02	11.98	961	0.39
PCO	SZ	70	EP	3		21:02	05.95		
PCA	SZ	77	IP		C	21:02	07.49		
KAR	SZ	93	IP	1	D	21:02	09.73		
ELO	SZ	97	IP	1	C	21:02	10.29		
EBH	SZ	104	EP	2		21:02	11.58		
EAU	SZ	113	IP	1	C	21:02	13.15		
KSB	SZ	118	IP	1	D	21:02	13.68		
EDI	SZ	127	EP	2		21:02	15.00		
EDI	SN	127	ES	3		21:02	29.98		
EDI	SN	127				21:02	32.43	209	0.31
EDI	SE	127				21:02	32.64	185	0.34
KPL	SZ	134	EP	3		21:02	16.30		
KPL	SN	134	ES	3		21:02	31.91		
KPL	SN	134				21:02	35.49	66	0.21
KPL	SE	134				21:02	35.99	107	0.24
GCL	SZ	135	EP	3		21:02	15.99		
EDU	SZ	140	EP	3		21:02	16.82		
EBL	SZ	140	EP	3		21:02	17.21		

May 20 1996 Time: 10:47 12.3 UTC Magnitude: 1.5 ML
Lat: 56.150N Lon: 5.207W Depth: 8.2 km
Grid Ref: 200.85 kmE 699.84 kmN RMS: 0.09 secs
Locality: LOCH FYNE, STRATHCLYDE Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
PMS	SZ	44	IP	1	C	10:47	19.94		
PMS	SZ	44	ES	3		10:47	25.44		
PGB	SN	59	ES	4		10:47	29.38		
PGB	SN	59				10:47	29.98	23	0.21
PGB	SE	59				10:47	30.55	19	0.22
PCO	SZ	71	IP	1	C	10:47	24.30		
PCA	SZ	78	EP	2		10:47	25.25		
ELO	SZ	99	EP	3		10:47	28.41		
ELO	SZ	99	ES	3		10:47	40.30		
EBH	SZ	106	EP	3		10:47	29.35		
EAU	SZ	115	EP	3		10:47	30.89		
KSB	SZ	119	EP	3		10:47	31.45		
KPL	SZ	135	EP	3		10:47	33.96		
KPL	SN	135	ES	3		10:47	49.71		
KPL	SN	135				10:47	53.03	5	0.17
KPL	SE	135				10:47	53.18	8	0.18

May 21 1996 Time: 04:12 34.7 UTC Magnitude: 0.9 ML
Lat: 53.151N Lon: 0.992W Depth: 0.3 km
Grid Ref: 467.39 kmE 362.05 kmN RMS: 0.09 secs
Locality: MANSFIELD, NOTTS Quality: C
Comments: C/F,12KM E OF MANSFIELD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KSY	SZ	34	EP	2		04:12	41.44		
KBI	SZ	38	EP	2		04:12	41.98		
CWF	SZ	51	EP	3		04:12	43.95		
CWF	SN	51	ES	3		04:12	51.23		
CWF	SN	51				04:12	52.38	8	0.16
CWF	SE	51				04:12	56.65	7	0.13

May 22 1996 Time: 00:12 14.9 UTC Magnitude: 1.8 ML
Lat: 56.322N Lon: 5.919W Depth: 6.1 km
Grid Ref: 157.71 kmE 721.27 kmN RMS: 0.05 secs
Locality: MULL, STRATHCLYDE Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KAR	SZ	67	IP	1	D	00:12	26.17		
PMS	SZ	90	IP	1	C	00:12	29.72		
EAB	SZ	99	EP	2		00:12	31.15		
KSB	SZ	103	EP	2		00:12	31.81		
PGB	SZ	106	IP	1	C	00:12	32.34		
PGB	SN	106	ES	3		00:12	45.10		
PGB	SN	106				00:12	45.23	34	0.21
PGB	SE	106				00:12	46.46	28	0.19
KPL	SZ	114	EP	2		00:12	33.57		
KPL	SN	114	ES	3		00:12	47.24		
KPL	SN	114				00:12	47.67	13	0.12
KPL	SE	114				00:12	49.38	18	0.14
PCO	SZ	119	EP	2		00:12	34.30		
PCA	SZ	125	EP	3		00:12	35.26		
ELO	SZ	137	EP	3		00:12	36.96		
KAC	SZ	137	EP	3		00:12	36.80		
EBH	SZ	150	EP	3		00:12	38.76		
EAU	SZ	163	EP	3		00:12	40.65		
EDI	SZ	176	EP	3		00:12	42.40		
EDI	SN	176	ES	3		00:13	02.28		
EDI	SN	176				00:13	05.71	12	0.15
EDI	SE	176				00:13	10.08	7	0.38

May 22 1996 Time: 04:41 31.4 UTC Magnitude: 0.7 ML
Lat: 52.911N Lon: 3.882W Depth: 12.7 km
Grid Ref: 273.48 kmE 336.59 kmN RMS: 0.17 secs
Locality: TRAWSFYNYDD, GWYNEDD Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
WFB	SZ	28	EP	1	C	04:41	36.34		
YLL	SZ	32	IP		D	04:41	37.26		
YRE	SZ	37	IP		D	04:41	38.16		
WPM	SZ	39	EP	2		04:41	38.45		
SBD	SZ	42	EP	2		04:41	38.74		
YRH	SZ	51	EP	2		04:41	40.26		
WLF	SZ	54	EP	2		04:41	40.52		
YRC	SZ	60	EP	3		04:41	41.01		
WME	SZ	61	EP	2		04:41	41.30		
WCB	SZ	68	EP	3		04:41	42.57		
WCB	SN	68	ES	3		04:41	48.81		
WCB	SN	68				04:41	49.07	1	0.07
WCB	SE	68				04:41	51.28	2	0.21
SSP	SZ	76	EP	3		04:41	43.74		
SSP	SN	76	ES	3		04:41	52.69		
SSP	SN	76				04:41	53.01	4	0.22
SSP	SE	76				04:41	53.17	6	0.28
HLM	SZ	81	EP	2		04:41	44.75		

May 22 1996 Time: 10:25 16.8 UTC Magnitude: 1.0 ML
Lat: 56.768N Lon: 5.122W Depth: 8.0 km
Grid Ref: 209.22 kmE 768.42 kmN RMS: 0.12 secs
Locality: FORT WILLIAM, HIGHLAND Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KSB	SZ	53	EP	2		10:25	25.59		
KPL	SZ	71	EP	2		10:25	28.78		
KPL	SN	71	ES	3		10:25	37.27		
KPL	SN	71				10:25	42.01	5	0.16
KPL	SE	71				10:25	41.16	6	0.22
EAB	SZ	81	EP	2		10:25	30.19		
KAC	SZ	82	EP	2		10:25	30.66		
ELO	SZ	93	EP	2		10:25	32.00		
EBH	SZ	115	EP	2		10:25	35.49		

May 22 1996 Time: 17:06 36.4 UTC Magnitude: 0.8 ML
Lat: 52.972N Lon: 4.473W Depth: 7.6 km
Grid Ref: 233.97 kmE 344.50 kmN RMS: 0.07 secs
Locality: PWLLHELI, GWYNEDD Quality: B
Comments: 10KM NW OF PWLLHELI

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YRE	SZ	3	IP		C	17:06	37.77		
YRH	SZ	19	IP		C	17:06	39.77		
YLL	SZ	28	IP		C	17:06	41.25		
YRC	SZ	32	IP		D	17:06	42.03		
WLF	SZ	36	EP	2		17:06	42.53		

WFB	SZ	44	EP	2		17:06	43.76		
WCB	SZ	46	EP	2		17:06	44.05		
WCB	SN	46	ES	2		17:06	49.20		
WCB	SN	46				17:06	49.65	6	0.12
WCB	SE	46				17:06	49.78	7	0.16
WME	SZ	49	EP	2		17:06	44.46		
WPM	SZ	50	EP	2		17:06	44.85		

May 24 1996 Time: 05:40 43.2 UTC Magnitude: -0.2 ML
Lat: 53.486N Lon: 4.458W Depth: 11.3 km
Grid Ref: 236.92 kmE 401.65 kmN RMS: 0.18 secs
Locality: OFF ANGLESEY, IRISH SEA Quality: D
Comments: 7KM NORTH OF ANGLESEY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
WCB	SZ	13	EP	1	C	05:40	46.16		
WCB	SE	13	ES	2		05:40	48.33		
WCB	SN	13				05:40	48.54	4	0.05
WCB	SE	13				05:40	48.40	8	0.11
WME	SZ	14	IP		D	05:40	46.15		
WME	SZ	14	ES	3		05:40	48.37		
WLF	SZ	22	EP	2		05:40	47.20		
YRC	SZ	27	EP	2		05:40	48.02		
YLL	SZ	43	EP	3		05:40	50.88		
WPM	SZ	45	EP	2		05:40	51.34		

May 27 1996 Time: 22:21 19.3 UTC Magnitude: 2.2 ML
Lat: 50.833N Lon: 4.348W Depth: 6.7 km
Grid Ref: 234.70 kmE 106.44 kmN RMS: 0.11 secs
Locality: HOLSWORTHY, DEVON Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HTL	SZ	20	IP		D	22:21	23.29		
HTL	SN	20	ES	2		22:21	26.22		
HEX	SZ	46	IP		C	22:21	27.40		
DYA	SZ	53	IP	1	D	22:21	28.38		
DYA	SN	53	ES	2		22:21	34.45		
DYA	SN	53				22:21	35.62	129	0.13
DYA	SE	53				22:21	35.43	106	0.10
CSA	SZ	66	IP		C	22:21	30.31		
DCO	SZ	66	EP	1	D	22:21	30.63		
CST	SZ	92	IP		C	22:21	34.41		
CR2	SZ	94	IP		C	22:21	34.85		
CR2	SN	94	ES	2		22:21	45.97		
CR2	SN	94				22:21	47.68	69	0.04
CR2	SE	94				22:21	47.50	67	0.05
CCA	SZ	95	IP		C	22:21	35.08		
CCO	SZ	98	IP		C	22:21	35.53		
CMA	SZ	100	IP		C	22:21	35.84		
CGW	SZ	103	IP		C	22:21	36.29		
CGH	SZ	105	EP	2		22:21	36.57		
CPZ	SZ	116	EP	2		22:21	37.79		
SMD	SZ	126	EP	3		22:21	40.32		
HGH	SZ	140	EP	2		22:21	41.83		
SWK	SZ	152	EP	3		22:21	44.04		
HTR	SZ	158	EP	2		22:21	44.25		
MCH	SZ	160	EP	2		22:21	44.04		
MCH	SN	160	ES	3		22:22	02.96		
MCH	SN	160				22:22	05.35	23	0.22
MCH	SE	160				22:22	07.26	20	0.20
HCG	SZ	173	EP	2		22:21	45.93		
SWN	SZ	193	EP	2		22:21	50.69		
SWN	SN	193				22:22	15.31	26	0.26
SWN	SE	193				22:22	16.40	25	0.26
SSP	SZ	196	EP	2		22:21	48.66		
SSP	SN	196	ES	3		22:22	11.41		
SSP	SN	196				22:22	15.68	16	0.27
SSP	SE	196				22:22	14.92	17	0.20
SSW	SZ	215	EP	3		22:21	53.59		

May 29 1996 Time: 05:19 57.6 UTC Magnitude: 0.9 ML
Lat: 55.301N Lon: 5.300W Depth: 6.8 km
Grid Ref: 190.56 kmE 605.73 kmN RMS: 0.02 secs
Locality: ARRAN, STRATHCLYDE Quality: C
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	19	IP	1	C	05:20	01.41		
GCL	SZ	58	EP	3		05:20	07.50		
GAL	SZ	61	EP	3		05:20	08.00		
GAL	SN	61	ES	3		05:20	15.53		
GAL	SN	61				05:20	19.26	4	0.14
GAL	SE	61				05:20	19.22	5	0.06

June 2 1996 Time: 00:42 27.5 UTC Magnitude: 0.8 ML
Lat: 56.116N Lon: 3.653W Depth: 2.0 km
Grid Ref: 297.21 kmE 692.70 kmN RMS: 0.06 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	17	EP	2		00:42	30.99		
PCO	SZ	31	EP	3		00:42	33.42		
EAU	SZ	33	EP	2		00:42	33.54		
EDI	SZ	36	EP	2		00:42	34.27		
EDI	SN	36	ES	2		00:42	39.10		
EDI	SN	36				00:42	40.59	14	0.48
EDI	SE	36				00:42	40.49	12	0.26
ELO	SZ	40	EP	2		00:42	34.87		
EAB	SZ	43	EP	2		00:42	35.37		
EBL	SZ	54	EP	3		00:42	37.16		

June 2 1996 Time: 09:30 33.1 UTC Magnitude: 1.3 ML
Lat: 53.386N Lon: 2.628W Depth: 9.8 km
Grid Ref: 358.24 kmE 387.88 kmN RMS: 0.15 secs
Locality: WARRINGTON, CHESHIRE Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
LHO	SZ	54	EP	2		09:30	42.28		
WPM	SZ	86	EP	2		09:30	47.48		
HPK	SZ	92	EP	3		09:30	48.33		
HPK	SN	92				09:31	01.83	19	0.24
HPK	SE	92				09:31	00.94	13	0.28
YLL	SZ	106	EP	2		09:30	50.35		
WME	SZ	111	EP	2		09:30	50.92		
WLF	SZ	118	EP	3		09:30	52.29		
WFB	SZ	123	EP	3		09:30	52.97		
WCB	SZ	128	EP	3		09:30	53.26		
WCB	SE	128	ES	3		09:31	07.92		
WCB	SN	128				09:31	09.98	3	0.17
WCB	SE	128				09:31	09.58	2	0.17
YRE	SZ	128	EP	3		09:30	53.61		
YRH	SZ	148	EP	3		09:30	54.85		

June 2 1996 Time: 21:17 59.2 UTC Magnitude: 1.6 ML
Lat: 51.887N Lon: 5.073W Depth: 6.9 km
Grid Ref: 188.54 kmE 225.40 kmN RMS: 0.06 secs
Locality: HAVERFORDWEST, DYFED Quality: C
Comments: 10KM NW OF HAVERFORDWEST

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HPE	SZ	21	IP		C	21:18	03.47		
HSA	SZ	65	EP	1	C	21:18	10.18		
HTL	SZ	107	EP	2		21:18	16.73		
HTL	SE	107	ES	3		21:18	29.58		
HTL	SN	107				21:18	32.65	5	0.13
HTL	SE	107				21:18	32.71	9	0.13
HCG	SZ	109	EP	2		21:18	16.88		
YRH	SZ	110	EP	2		21:18	17.07		
WFB	SZ	113	EP	3		21:18	17.63		
HTR	SZ	126	EP	3		21:18	19.62		
HEX	SZ	127	EP	2		21:18	19.82		
YRE	SZ	130	EP	3		21:18	20.54		
MCH	SZ	143	EP	2		21:18	22.14		
MCH	SN	143	ES	2		21:18	39.84		
MCH	SN	143				21:18	41.62	20	0.14
MCH	SE	143				21:18	43.37	21	0.10
SSP	SZ	147	EP	2		21:18	22.71		
SSP	SE	147	ES	3		21:18	40.79		
SSP	SN	147				21:18	42.22	10	0.11
SSP	SE	147				21:18	41.84	9	0.18
YLL	SZ	152	EP	2		21:18	23.69		
HGH	SZ	159	EP	3		21:18	24.48		
HLM	SZ	166	EP	3		21:18	25.14		
DYA	SE	180	ES	3		21:18	46.63		
DYA	SN	180				21:18	51.64	7	0.32
DYA	SE	180				21:18	51.67	4	0.27

June 5 1996 Time: 14:18 26.1 UTC Magnitude: 0.8 ML
Lat: 49.444N Lon: 1.888W Depth: 11.0 km
Grid Ref: 408.15 kmE -50.64 kmN RMS: 0.23 secs
Locality: JERSEY, CHANNEL ISLANDS Quality: D
Comments: 25KM N OF JERSEY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
JLP	SZ	27	EP	3		14:18	31.40		
JQE	SZ	29	EP	3		14:18	31.76		
JRS	SZ	32	EP	3		14:18	31.56		
JRS	SE	32	ES	3		14:18	36.08		
JRS	SN	32				14:18	37.41	10	0.19
JRS	SE	32				14:18	36.73	22	0.15
JVM	SZ	34	EP	3		14:18	32.55		
JSA	SZ	35	EP	3		14:18	32.16		

June 7 1996 Time: 00:58 3.4 UTC Magnitude: 1.1 ML
Lat: 56.116N Lon: 3.668W Depth: 0.0 km
Grid Ref: 296.28 kmE 692.72 kmN RMS: 0.04 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	EP	2		00:58	07.34		
EBH	SZ	18	ES	3		00:58	10.31		
PCO	SZ	30	EP	3		00:58	09.56		
EAU	SZ	33	EP	2		00:58	09.97		
EDI	SZ	37	EP	2		00:58	10.62		
EDI	SN	37	ES	3		00:58	15.90		
EDI	SN	37				00:58	16.33	21	0.34
EDI	SE	37				00:58	16.86	23	0.24
ELO	SZ	40	EP	2		00:58	11.10		

EAB	SZ	43	EP	3		00:58	11.52	
EBL	SZ	55	EP	3		00:58	13.54	
PCA	SZ	59	EP	3		00:58	14.25	
PGB	SZ	61	EP	3		00:58	14.64	
PGB	SN	61	ES	3		00:58	22.69	
PGB	SN	61				00:58	24.15	7	0.30
PGB	SE	61				00:58	24.88	7	0.44
PMS	SZ	74	EP	3		00:58	16.53	
ESK	SE	94	ES	3		00:58	31.34	
ESK	SN	94				00:58	33.59	6	0.21
ESK	SE	94				00:58	35.59	5	0.19

June 10 1996 Time: 09:09 18.3 UTC Magnitude: 0.9 ML
Lat: 56.116N Lon: 3.666W Depth: 0.8 km
Grid Ref: 296.44 kmE 692.73 kmN RMS: 0.02 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	EP	2		09:09	22.07		
EBH	SZ	18	ES	3		09:09	24.85		
PCO	SZ	30	EP	3		09:09	24.27		
EDI	SE	37	ES	3		09:09	30.44		
EDI	SN	37				09:09	31.18	12	0.25
EDI	SE	37				09:09	32.08	15	0.40
ELO	SZ	40	EP	3		09:09	25.79		
EAB	SZ	43	EP	2		09:09	26.28		

June 14 1996 Time: 07:35 31.1 UTC Magnitude: 1.4 ML
Lat: 56.120N Lon: 3.663W Depth: 0.0 km
Grid Ref: 296.62 kmE 693.16 kmN RMS: 0.06 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	17	EP	2		07:35	34.85		
PCO	SZ	31	EP	2		07:35	37.29		
EAU	SZ	33	EP	1	D	07:35	37.63		
EDI	SZ	37	EP	1	D	07:35	38.26		
EDI	SE	37	ES	3		07:35	43.46		
EDI	SN	37				07:35	43.89	54	0.32
EDI	SE	37				07:35	44.36	46	0.45
ELO	SZ	39	EP	2		07:35	38.71		
EAB	SZ	43	EP	1	C	07:35	39.17		
PCA	SZ	60	EP	2		07:35	41.94		
PGB	SZ	62	EP	3		07:35	42.36		
PGB	SN	62	ES	3		07:35	50.38		
PGB	SN	62				07:35	50.71	18	0.31
PGB	SE	62				07:35	54.36	16	0.40
PMS	SZ	74	EP	3		07:35	44.18		
ESK	SN	94	ES	3		07:35	59.14		
ESK	SN	94				07:36	01.05	8	0.20
ESK	SE	94				07:36	00.97	6	0.20

June 14 1996 Time: 17:27 19.9 UTC Magnitude: 1.3 ML
Lat: 55.331N Lon: 5.231W Depth: 14.2 km
Grid Ref: 195.11 kmE 608.84 kmN RMS: 0.03 secs
Locality: ARRAN, STRATHCLYDE Quality: C
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	23	IP		C	17:27	24.55		
GAL	SZ	61	EP	3		17:27	30.21		
GAL	SE	61	ES	3		17:27	37.98		
GAL	SN	61				17:27	42.59	9	0.09
GAL	SE	61				17:27	42.36	15	0.07
GCL	SZ	64	EP	2		17:27	30.64		
PGB	SE	71	ES	3		17:27	40.58		
PGB	SN	71				17:27	42.14	8	0.20
PGB	SE	71				17:27	43.34	12	0.23

June 14 1996 Time: 22:06 26.0 UTC Magnitude: 1.0 ML
Lat: 56.161N Lon: 5.047W Depth: 8.1 km
Grid Ref: 210.80 kmE 700.71 kmN RMS: 0.09 secs
Locality: LOCH FYNE, STRATHCLYDE Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
PMS	SZ	40	IP	1	C	22:06	32.91		
EAB	SZ	44	EP	2		22:06	33.33		
PGB	SZ	53	EP	2		22:06	35.02		
PGB	SE	53	ES	3		22:06	41.55		
PGB	SN	53				22:06	41.69	8	0.19
PGB	SE	53				22:06	42.17	5	0.14
PCO	SZ	62	EP	2		22:06	36.49		
PCA	SZ	71	EP	3		22:06	37.95		
ELO	SZ	90	EP	3		22:06	40.75		
EBH	SZ	96	EP	3		22:06	41.69		
KPL	SZ	136	EP	3		22:06	47.75		
KPL	SE	136	ES	3		22:07	03.61		
KPL	SN	136				22:07	04.76	2	0.19
KPL	SE	136				22:07	04.93	3	0.14

June 15 1996 Time: 21:53 37.2 UTC Magnitude: 0.8 ML
Lat: 55.288N Lon: 5.296W Depth: 5.8 km
Grid Ref: 190.74 kmE 604.29 kmN RMS: 0.05 secs
Locality: ARRAN, STRATHCLYDE Quality: C
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	20	IP	1	C	21:53	41.07		
GCL	SZ	58	EP	3		21:53	47.14		
GAL	SZ	60	EP	3		21:53	47.52		
GAL	SE	60	ES	3		21:53	54.86		
GAL	SN	60				21:53	59.08	3	0.10
GAL	SE	60				21:53	58.86	4	0.05

June 16 1996 Time: 00:25 14.1 UTC Magnitude: 0.7 ML
Lat: 56.828N Lon: 5.768W Depth: 6.5 km
Grid Ref: 170.16 kmE 777.07 kmN RMS: 0.08 secs
Locality: MOIDART, HIGHLAND Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KAR	SZ	11	IP	1	C	00:25	16.49		
KSB	SZ	47	EP	1	C	00:25	22.23		
KPL	SZ	57	EP	3		00:25	23.75		
KPL	SN	57	ES	3		00:25	31.01		
KPL	SN	57				00:25	31.78	3	0.24
KPL	SE	57				00:25	31.19	4	0.09
KAC	SZ	80	EP	1	D	00:25	27.53		

June 16 1996 Time: 07:13 16.1 UTC Magnitude: 1.0 ML
Lat: 55.308N Lon: 5.284W Depth: 7.6 km
Grid Ref: 191.58 kmE 606.43 kmN RMS: 0.04 secs
Locality: ARRAN, STRATHCLYDE Quality: C
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	20	IP	1	C	07:13	20.03		
GCL	SZ	59	EP	2		07:13	26.15		
GAL	SZ	61	EP	3		07:13	26.50		
GAL	SN	61	ES	3		07:13	33.91		
GAL	SN	61				07:13	38.07	5	0.10
GAL	SE	61				07:13	37.84	8	0.06

June 16 1996 Time: 21:15 42.6 UTC Magnitude: 1.1 ML
Lat: 56.113N Lon: 3.674W Depth: 0.0 km
Grid Ref: 295.89 kmE 692.43 kmN RMS: 0.06 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	EP	2		21:15	46.55		
EBH	SZ	18	ES	3		21:15	49.64		
PCO	SZ	30	EP	2		21:15	48.63		
EAU	SZ	33	EP	3		21:15	49.09		
EDI	SZ	37	EP	3		21:15	49.81		
EDI	SN	37	ES	2		21:15	55.06		
EDI	SN	37				21:15	55.50	28	0.39
EDI	SE	37				21:15	56.58	31	0.45
ELO	SZ	40	EP	2		21:15	50.26		
EAB	SZ	42	EP	2		21:15	50.61		
EBL	SZ	55	EP	3		21:15	52.68		
PCA	SZ	59	EP	3		21:15	53.33		
PGB	SZ	61	EP	3		21:15	53.70		
PGB	SN	61	ES	3		21:16	01.83		
PGB	SN	61				21:16	06.36	10	0.38
PGB	SE	61				21:16	07.40	8	0.48
PMS	SZ	73	EP	3		21:15	55.78		
ESK	SE	94	ES	4		21:16	10.27		
ESK	SN	94				21:16	12.91	4	0.21
ESK	SE	94				21:16	15.16	4	0.23

June 19 1996 Time: 11:15 52.5 UTC Magnitude: 1.1 ML
Lat: 56.117N Lon: 3.674W Depth: 1.0 km
Grid Ref: 295.96 kmE 692.78 kmN RMS: 0.03 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	EP	2		11:15	56.28		
EBH	SZ	18	ES	3		11:15	58.95		
PCO	SZ	30	EP	2		11:15	58.34		
EAU	SZ	33	EP	2		11:15	58.85		
EDI	SZ	37	EP	2		11:15	59.50		
EDI	SE	37	ES	3		11:16	04.73		
EDI	SN	37				11:16	07.10	24	0.30
EDI	SE	37				11:16	07.63	19	0.21
ELO	SZ	40	EP	2		11:15	59.92		
EAB	SZ	42	EP	3		11:16	00.33		
PCA	SZ	59	EP	3		11:16	03.06		
PMS	SZ	73	EP	3		11:16	05.29		

June 20 1996 Time: 07:47 14.1 UTC Magnitude: 1.6 ML
Lat: 52.165N Lon: 2.609W Depth: 12.9 km
Grid Ref: 358.33 kmE 252.06 kmN RMS: 0.09 secs
Locality: HEREFORD, HER & WOR Quality: B
Comments: 11KM NE OF HEREFORD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI

HAE	SZ	15	IP		D	07:47	17.44		
HBL2	SZ	32	EP	2		07:47	20.00		
MCH	SZ	33	IP		C	07:47	20.06		
MCH	SN	33	ES	2		07:47	24.18		
MCH	SN	33				07:47	24.58	59	0.16
MCH	SE	33				07:47	24.61	51	0.15
HLM	SZ	44	IP	1	D	07:47	21.62		
SSP	SZ	44	IP		D	07:47	21.98		
SSP	SN	44	ES	2		07:47	27.71		
SSP	SN	44				07:47	28.03	74	0.14
SSP	SE	44				07:47	28.08	31	0.16
HTR	SZ	46	IP		C	07:47	22.07		
SSW	SZ	57	EP	3		07:47	23.86		
HGH	SZ	60	EP	2		07:47	24.34		
HCG	SZ	74	EP	2		07:47	26.77		
SBD	SZ	94	IP	1	C	07:47	29.64		
WFB	SZ	113	EP	3		07:47	32.98		
HSA	SZ	116	EP	2		07:47	33.05		
HEX	SZ	148	EP	3		07:47	38.28		
WPM	SZ	150	EP	2		07:47	38.36		
YLL	SZ	151	EP	2		07:47	38.34		
HPE	SZ	151	EP	2		07:47	38.24		
HTL	SE	184	ES	3		07:48	03.80		
HTL	SN	184				07:48	05.91	15	0.26
HTL	SE	184				07:48	05.84	7	0.31

June 21 1996 Time: 09:04 8.7 UTC Magnitude: 0.9 ML
Lat: 56.110N Lon: 3.674W Depth: 0.9 km
Grid Ref: 295.88 kmE 692.08 kmN RMS: 0.04 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	19	EP	2		09:04	12.58		
EBH	SZ	19	ES	3		09:04	15.53		
EAU	SZ	33	EP	2		09:04	15.09		
EDI	SZ	37	EP	3		09:04	15.69		
EDI	SE	37	ES	3		09:04	20.84		
EDI	SN	37				09:04	21.44	15	0.33
EDI	SE	37				09:04	21.27	14	0.39
ELO	SZ	40	EP	3		09:04	16.36		
EAB	SZ	42	EP	3		09:04	16.65		
EBL	SZ	55	EP	3		09:04	18.67		

June 22 1996 Time: 13:20 41.4 UTC Magnitude: 1.4 ML
Lat: 56.115N Lon: 3.669W Depth: 0.9 km
Grid Ref: 296.21 kmE 692.63 kmN RMS: 0.06 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	IP	1	D	13:20	45.13		
EBH	SZ	18	ES	3		13:20	48.00		
PCO	SZ	30	EP	3		13:20	47.40		
EAU	SZ	33	EP	2		13:20	47.80		
EDI	SZ	37	EP	2		13:20	48.46		
EDI	SE	37	ES	3		13:20	53.58		
EDI	SN	37				13:20	54.05	45	0.37
EDI	SE	37				13:20	55.10	40	0.35
ELO	SZ	40	IP	1	C	13:20	48.97		
EAB	SZ	42	EP	2		13:20	49.31		
EAB	SZ	42	ES	3		13:20	55.16		
EBL	SZ	55	EP	3		13:20	51.24		
PCA	SZ	59	EP	3		13:20	52.01		
EDU	SZ	63	EP	3		13:20	52.65		
PMS	SZ	74	EP	3		13:20	54.31		

June 23 1996 Time: 18:47 41.6 UTC Magnitude: 0.9 ML
Lat: 55.279N Lon: 5.288W Depth: 3.8 km
Grid Ref: 191.20 kmE 603.25 kmN RMS: 0.04 secs
Locality: ARRAN, STRATHCLYDE Quality: C
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	21	IP		C	18:47	45.62		
GCL	SZ	58	EP	2		18:47	51.75		
GAL	SZ	59	EP	3		18:47	51.92		
GAL	SN	59	ES	3		18:47	59.24		
GAL	SN	59				18:48	03.41	4	0.08
GAL	SE	59				18:48	03.43	6	0.07

June 25 1996 Time: 00:45 10.6 UTC Magnitude: -0.3 ML
Lat: 57.195N Lon: 5.499W Depth: 8.2 km
Grid Ref: 188.60 kmE 816.97 kmN RMS: 0.06 secs
Locality: GLEN MORE, HIGHLAND Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KSB	SZ	5	IP	1	C	00:45	12.48		
KPL	SZ	19	IP	1	C	00:45	14.48		
KPL	SN	19	ES	2		00:45	16.99		
KPL	SN	19				00:45	17.06	3	0.12
KPL	SE	19				00:45	17.03	4	0.18
KAC	SZ	36	EP	2		00:45	17.06		
KAR	SZ	37	EP	3		00:45	17.15		

June 25 1996 Time: 03:37 32.2 UTC Magnitude: 3.9 ML
Lat: 61.625N Lon: 3.409E Depth: 15.0 km
Grid Ref: 686.52 kmE 1316.76 kmN RMS: 0.36 secs
Locality: NORTHERN NORTH SEA Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
FOO	SZ	87	EP	3		03:37	46.15		
FOO	SZ	87	ES	3		03:37	56.01		
SUE	SZ	96	EP	3		03:37	47.85		
SUE	SZ	96	ES	3		03:37	58.95		
HYA	SZ	157	EP	3		03:37	55.48		
HYA	SZ	157	ES	3		03:38	13.94		
ASK	SZ	160	EP	3		03:37	56.38		
BER	SZ	173	EP	3		03:37	57.79		
MOL	SZ	241	EP	3		03:38	06.16		
MOL	SN	241	ES	3		03:38	30.77		
KMY	SZ	287	EP	3		03:38	12.06		
KMY	SN	287	ES	3		03:38	40.66		
BLS5	SZ	297	IP	3	C	03:38	13.65		
BLS5	SZ	297	ES	3		03:38	42.38		
LRW	SZ	299	EP	2		03:38	13.79		
LRW	SE	299	ES	3		03:38	43.75		
LRW	SN	299				03:38	46.26	87	0.16
LRW	SE	299				03:38	46.49	88	0.19
SAN	SZ	310	EP	2		03:38	15.00		
OWE	SZ	437	EP	3		03:38	31.19		
OHO	SZ	483	EP	3		03:38	36.20		
OBR	SZ	496	EP	2		03:38	37.79		
ORE	SZ	526	EP	2		03:38	41.59		
ORE	SN	526				03:39	35.68	59	0.24
ORE	SE	526				03:39	34.63	59	0.20
MLA	SZ	529	EP	3		03:38	41.97		
MFI	SZ	551	EP	3		03:38	44.24		
OTO	SZ	557	EP	2		03:38	45.15		
MCD	SZ	587	EP	2		03:38	48.65		
MCD	SE	587	ES	3		03:39	44.72		
MCD	SN	587				03:39	47.98	68	0.23
MCD	SE	587				03:39	47.64	56	0.20
MVH	SZ	593	EP	3		03:38	49.23		
MME	SZ	601	EP	3		03:38	50.21		
MDO	SZ	641	EP	3		03:38	55.69		
EDU	SZ	675	EP	3		03:38	59.75		
ELO	SZ	705	EP	3		03:39	03.08		
EDI	SZ	741	EP	3		03:39	08.50		
EDI	SE	741	ES	3		03:40	18.22		
EDI	SN	741				03:40	21.51	39	0.23
EDI	SE	741				03:40	22.36	38	0.22

June 25 1996 Time: 05:06 43.8 UTC Magnitude: 1.0 ML
Lat: 54.772N Lon: 3.235W Depth: 10.9 km
Grid Ref: 320.57 kmE 542.57 kmN RMS: 0.04 secs
Locality: WIGTON, CUMBRIA Quality: A
Comments: 9KM SW OF WIGTON

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
BBO	SZ	4	IP		D	05:06	46.02		
BBO	SE	4	ES	2		05:06	47.48		
BBO	SN	4				05:06	47.52	147	0.15
BBO	SE	4				05:06	47.55	150	0.18
BDL	SZ	19	IP	1	C	05:06	47.86		
CKE	SZ	22	IP		D	05:06	48.23		
BNA	SZ	33	EP	2		05:06	49.97		
XDE	SZ	34	EP	1	D	05:06	50.10		
CSF	SZ	36	EP	2		05:06	50.35		
BHH	SZ	36	EP	1	C	05:06	50.46		
BHH	SE	36	ES	2		05:06	54.95		
BHH	SN	36				05:06	57.66	20	0.29
BHH	SE	36				05:06	55.88	26	0.19
BTA	SZ	38	IP	1	C	05:06	50.81		
BTA	SN	38				05:06	56.61	7	0.22
BTA	SE	38				05:06	58.30	9	0.44
BBH	SZ	45	EP	1	C	05:06	51.81		
ECK	SZ	46	IP	1	D	05:06	52.01		
GCD	SZ	47	EP	1	C	05:06	52.14		
CDU	SZ	49	IP	1	D	05:06	52.34		
BWH	SZ	52	EP	2		05:06	53.18		
ESK	SZ	61	EP	2		05:06	54.52		
ESK	SE	61	ES	2		05:07	01.49		
ESK	SN	61				05:07	04.91	6	0.10
ESK	SE	61				05:07	02.39	10	0.21
LMI	SZ	62	EP	1	C	05:06	54.68		
LMI	SE	62	ES	3		05:07	01.86		
LMI	SN	62				05:07	02.19	12	0.39
LMI	SE	62				05:07	02.45	7	0.24
GIM	SZ	96	EP	3		05:07	00.40		
GIM	SN	96				05:07	14.11	4	0.09
GIM	SE	96				05:07	13.55	4	0.06

June 26 1996 Time: 01:52 42.1 UTC Magnitude: 2.2 ML
Lat: 55.337N Lon: 5.265W Depth: 13.9 km
Grid Ref: 192.98 kmE 609.67 kmN RMS: 0.04 secs
Locality: ARRAN, STRATHCLYDE Quality: B
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI

GMK	SZ	21	IP		C	01:52	46.46		
GCL	SZ	62	IP	1	C	01:52	52.55		
GAL	SZ	63	EP	2		01:52	52.81		
GAL	SN	63	ES	3		01:53	00.59		
GAL	SN	63				01:53	04.27	78	0.17
GAL	SE	63				01:53	04.38	101	0.23
PMS	SZ	66	EP	2		01:52	53.07		
PGB	SZ	72	EP	3		01:52	54.12		
PGB	SN	72				01:53	05.69	104	0.17
PGB	SE	72				01:53	05.39	140	0.19
PCO	SZ	103	EP	2		01:52	58.85		
EAB	SZ	111	EP	2		01:52	59.96		
GIM	SN	127	ES	3		01:53	16.91		
GIM	SN	127				01:53	18.41	40	0.20
GIM	SE	127				01:53	18.31	27	0.25
EDI	SN	146	ES	3		01:53	21.53		

June 26 1996 Time: 02:56 12.5 UTC Magnitude: 1.1 ML
Lat: 55.302N Lon: 5.290W Depth: 7.7 km
Grid Ref: 191.22 kmE 605.85 kmN RMS: 0.03 secs
Locality: ARRAN, STRATHCLYDE Quality: C
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	20	IP		C	02:56	16.45		
GCL	SZ	59	EP	3		02:56	22.54		
GAL	SZ	61	EP	3		02:56	22.86		
GAL	SE	61	ES	3		02:56	30.30		
GAL	SN	61				02:56	34.46	7	0.08
GAL	SE	61				02:56	34.24	9	0.07

June 27 1996 Time: 11:15 36.4 UTC Magnitude: 0.8 ML
Lat: 55.305N Lon: 5.286W Depth: 7.0 km
Grid Ref: 191.48 kmE 606.15 kmN RMS: 0.02 secs
Locality: ARRAN, STRATHCLYDE Quality: C
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	20	IP		C	11:15	40.33		
GCL	SZ	59	EP	3		11:15	46.45		
GAL	SZ	61	EP	3		11:15	46.77		
GAL	SE	61	ES	3		11:15	54.25		
GAL	SN	61				11:15	58.37	4	0.06
GAL	SE	61				11:15	57.70	4	0.12

June 27 1996 Time: 21:38 55.5 UTC Magnitude: 1.3 ML
Lat: 56.117N Lon: 3.673W Depth: 0.4 km
Grid Ref: 296.01 kmE 692.82 kmN RMS: 0.05 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	IP	1	C	21:38	59.37		
PCO	SZ	30	EP	2		21:39	01.48		
EAU	SZ	33	EP	3		21:39	01.99		
EDI	SZ	37	EP	2		21:39	02.67		
EDI	SN	37	ES	3		21:39	07.81		
EDI	SN	37				21:39	08.35	33	0.39
EDI	SE	37				21:39	08.81	36	0.53
ELO	SZ	40	EP	2		21:39	03.05		
EAB	SZ	42	EP	2		21:39	03.44		
EBL	SZ	55	EP	3		21:39	05.46		
PCA	SZ	59	EP	2		21:39	06.20		
PGB	SZ	61	EP	2		21:39	06.57		
PGB	SN	61	ES	3		21:39	14.61		
PGB	SN	61				21:39	17.27	10	0.38
PGB	SE	61				21:39	16.86	13	0.41
PMS	SZ	73	EP	2		21:39	08.55		

June 28 1996 Time: 01:03 56.8 UTC Magnitude: 0.8 ML
Lat: 52.917N Lon: 4.543W Depth: 21.4 km
Grid Ref: 229.01 kmE 338.61 kmN RMS: 0.06 secs
Locality: PWLLHELI, GWYNEDD Quality: B
Comments: 8KM NW OF PWLLHELI

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YRE	SZ	11	IP		C	01:04	00.69		
YRH	SZ	11	IP		C	01:04	00.68		
YLL	SZ	35	EP	2		01:04	03.37		
YRC	SZ	37	EP	2		01:04	03.64		
WLF	SZ	43	EP	3		01:04	04.44		
WFB	SZ	43	EP	2		01:04	04.56		
WCB	SZ	51	EP	2		01:04	06.11		
WCB	SE	51	ES	2		01:04	11.92		
WCB	SN	51				01:04	12.67	5	0.07
WCB	SE	51				01:04	12.74	6	0.12
WME	SZ	56	EP	3		01:04	06.05		
WPM	SZ	57	EP	2		01:04	06.15		

June 29 1996 Time: 00:25 29.7 UTC Magnitude: 0.9 ML
Lat: 55.929N Lon: 3.078W Depth: 0.2 km
Grid Ref: 332.67 kmE 671.16 kmN RMS: 0.02 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EDI	SZ	7	IP		C	00:25	31.43		
EDI	SE	7	ES	2		00:25	32.66		
EDI	SN	7				00:25	32.85	138	0.27
EDI	SE	7				00:25	33.01	72	0.18
EBL	SZ	17	EP	3		00:25	33.59		
EAU	SZ	25	EP	3		00:25	34.79		
ESY	SZ	29	EP	3		00:25	35.53		
EBH	SZ	45	EP	2		00:25	38.18		
ELO	SZ	72	EP	3		00:25	42.48		

June 29 1996 Time: 01:40 55.0 UTC Magnitude: 1.0 ML
Lat: 55.298N Lon: 5.291W Depth: 5.2 km
Grid Ref: 191.09 kmE 605.39 kmN RMS: 0.06 secs
Locality: ARRAN, STRATHCLYDE Quality: C
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	20	IP		C	01:40	58.89		
GCL	SZ	59	EP	3		01:41	05.11		
GAL	SZ	61	EP	3		01:41	05.53		
GAL	SE	61	ES	3		01:41	12.91		
GAL	SN	61				01:41	16.65	5	0.05
GAL	SE	61				01:41	16.79	8	0.11

July 6 1996 Time: 06:10 36.6 UTC Magnitude: 0.9 ML
Lat: 56.118N Lon: 3.676W Depth: 0.6 km
Grid Ref: 295.80 kmE 692.93 kmN RMS: 0.02 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	EP	2		06:10	40.48		
PCO	SZ	30	EP	3		06:10	42.51		
EDI	SZ	38	EP	2		06:10	43.79		
EDI	SE	38	ES	3		06:10	49.02		
EDI	SN	38				06:10	49.23	10	0.27
EDI	SE	38				06:10	49.62	14	0.25
ELO	SZ	39	EP	2		06:10	44.11		
EAB	SZ	42	EP	2		06:10	44.54		
PMS	SZ	73	EP	3		06:10	49.60		

July 7 1996 Time: 12:37 41.3 UTC Magnitude: 0.7 ML
Lat: 49.068N Lon: 1.771W Depth: 8.0 km
Grid Ref: 416.75 kmE -92.40 kmN RMS: 0.02 secs
Locality: JERSEY, CHANNEL ISLANDS Quality: C
Comments: 15KM SE OF JERSEY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
JQE	SZ	24	EP	3		12:37	45.96		
JRS	SZ	27	EP	3		12:37	46.38		
JRS	SN	27	ES	3		12:37	50.06		
JRS	SN	27				12:37	50.23	18	0.06
JRS	SE	27				12:37	50.33	17	0.11
JLP	SZ	31	EP	2		12:37	46.99		
JSA	SZ	32	EP	3		12:37	47.14		
JVM	SZ	36	EP	3		12:37	47.77		

July 10 1996 Time: 01:31 24.5 UTC Magnitude: 1.0 ML
Lat: 56.114N Lon: 3.671W Depth: 0.6 km
Grid Ref: 296.11 kmE 692.50 kmN RMS: 0.03 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	EP	2		01:31	28.42		
PCO	SZ	30	EP	2		01:31	30.50		
EAU	SZ	33	EP	3		01:31	30.97		
EDI	SZ	37	EP	2		01:31	31.60		
EDI	SN	37	ES	3		01:31	36.80		
EDI	SN	37				01:31	37.23	15	0.35
EDI	SE	37				01:31	38.27	17	0.42
ELO	SZ	40	EP	3		01:31	32.15		
EAB	SZ	42	EP	2		01:31	32.52		
PCA	SZ	59	EP	3		01:31	35.25		
PMS	SZ	73	EP	3		01:31	37.44		

July 10 1996 Time: 15:22 47.6 UTC Magnitude: -0.7 ML
Lat: 53.329N Lon: 4.517W Depth: 11.8 km
Grid Ref: 232.37 kmE 384.35 kmN RMS: 0.01 secs
Locality: ANGLESEY, GWYNEDD Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
WCB	SZ	6	IP		D	15:22	49.86		
WCB	SN	6	ES	2		15:22	51.34		
WCB	SN	6				15:22	51.41	3	0.06
WCB	SE	6				15:22	51.38	3	0.16
WLF	SZ	9	IP	1	C	15:22	50.17		
YRC	SZ	10	IP		C	15:22	50.18		
WME	SZ	16	EP	2		15:22	50.98		
YRE	SZ	39	EP	3		15:22	55.10		

July 13 1996 Time: 15:46 51.0 UTC Magnitude: 0.8 ML
Lat: 56.120N Lon: 3.668W Depth: 0.0 km
Grid Ref: 296.29 kmE 693.22 kmN RMS: 0.04 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI

EBH	SZ	17	EP	2	15:46	54.83		
EBH	SZ	17	ES	3	15:46	57.65		
PCO	SZ	31	EP	3	15:46	57.08		
EDI	SZ	37	EP	3	15:46	58.18		
EDI	SE	37	ES	2	15:47	03.45		
EDI	SN	37			15:47	03.77	9	0.26
EDI	SE	37			15:47	03.83	13	0.44
ELO	SZ	39	EP	3	15:46	58.46		
EAB	SZ	42	EP	3	15:46	58.99		
EBL	SZ	55	EP	3	15:47	01.03		

July 18 1996 Time: 09:46 47.1 UTC Magnitude: 2.3 ML
Lat: 60.062N Lon: 1.133E Depth: 11.3 km
Grid Ref: 574.36 kmE 1134.92 kmN RMS: 0.10 secs
Locality: NORTHERN NORTH SEA Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
LRW	SZ	129	EP	2		09:47	07.39		
LRW	SE	129	ES	3		09:47	22.42		
LRW	SN	129				09:47	25.28	48	0.08
LRW	SE	129				09:47	26.00	40	0.08
SAN	SZ	132	EP	3		09:47	07.96		
YEL	SZ	134	EP	2		09:47	08.14		
WAL	SZ	154	EP	2		09:47	10.50		
OST	SZ	235	EP	3		09:47	20.44		
OWE	SZ	249	EP	3		09:47	22.60		
OHO	SZ	284	EP	3		09:47	26.76		
ORE	SZ	326	EP	3		09:47	32.13		
ORE	SN	326	ES	3		09:48	04.55		
ORE	SN	326				09:48	19.56	5	0.12
ORE	SE	326				09:48	18.65	4	0.18
MFI	SZ	337	EP	3		09:47	33.42		
OTO	SZ	360	EP	3		09:47	36.29		
MME	SZ	388	EP	3		09:47	39.53		

July 18 1996 Time: 10:42 47.4 UTC Magnitude: 0.9 ML
Lat: 57.752N Lon: 4.261W Depth: 3.0 km
Grid Ref: 265.46 kmE 875.86 kmN RMS: 0.05 secs
Locality: ALNESS, HIGHLAND Quality: B
Comments: 6KM NE OF ALNESS

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
MVH	SZ	20	IP	1	C	10:42	51.25		
MDO	SZ	35	IP	1	C	10:42	53.87		
MCD	SN	63	ES	3		10:43	06.33		
REB	SZ	73	EP	2		10:42	59.86		
OTO	SZ	83	EP	3		10:43	01.45		
RSC	SZ	85	EP	3		10:43	01.70		
RRR	SZ	93	EP	3		10:43	02.88		
RRR	SE	93	ES	3		10:43	14.46		
RRR	SN	93				10:43	16.32	2	0.13
RRR	SE	93				10:43	16.40	2	0.18
ORE	SZ	93	EP	3		10:43	03.18		
ORE	SE	93	ES	3		10:43	13.86		
ORE	SN	93				10:43	16.58	4	0.14
ORE	SE	93				10:43	14.81	5	0.19
RCR	SZ	106	EP	3		10:43	05.14		

July 22 1996 Time: 01:31 26.0 UTC Magnitude: 0.9 ML
Lat: 50.057N Lon: 6.312W Depth: 8.1 km
Grid Ref: 91.39 kmE 26.43 kmN RMS: 0.09 secs
Locality: SCILLY ISLES, CORNWALL Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CPZ	SZ	53	EP	3		01:31	34.77		
CGW	SZ	78	EP	3		01:31	38.86		
CCA	SZ	79	EP	3		01:31	39.11		
CCO	SZ	80	EP	3		01:31	39.31		
CR2	SZ	83	EP	2		01:31	39.62		
CR2	SN	83	ES	3		01:31	49.59		
CR2	SN	83				01:31	53.80	4	0.12
CR2	SE	83				01:31	52.60	3	0.06
CST	SZ	84	EP	3		01:31	39.87		

July 24 1996 Time: 01:09 58.2 UTC Magnitude: 1.9 ML
Lat: 53.199N Lon: 1.031W Depth: 0.8 km
Grid Ref: 464.71 kmE 367.30 kmN RMS: 0.27 secs
Locality: MANSFIELD, NOTTS Quality: C
Comments: C/F,10KM NE OF MANSFIELD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KBI	SZ	34	EP	2		01:10	04.56		
KSY	SZ	40	EP	3		01:10	05.61		
CWF	SZ	55	EP	3		01:10	08.15		
CWF	SE	55	ES	3		01:10	15.50		
CWF	SN	55				01:10	22.28	16	0.32
CWF	SE	55				01:10	22.47	19	0.25
KWE	SZ	58	EP	3		01:10	09.24		
LHO	SZ	67	EP	3		01:10	09.57		
HPK	SZ	93	EP	3		01:10	14.05		
HPK	SE	93	ES	3		01:10	25.65		
HPK	SN	93				01:10	29.90	114	0.36
HPK	SE	93				01:10	28.70	85	0.20
LWH	SZ	129	EP	3		01:10	20.19		

July 26 1996 Time: 00:52 41.9 UTC Magnitude: 0.8 ML
Lat: 56.099N Lon: 3.690W Depth: 1.0 km
Grid Ref: 294.92 kmE 690.91 kmN RMS: 0.05 secs
Locality: CLACKMANNAN, CENTRAL Quality: C
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	20	EP	2		00:52	46.01		
EBH	SZ	20	ES	3		00:52	49.14		
EAU	SZ	32	EP	3		00:52	48.14		
EDI	SZ	37	EP	3		00:52	48.99		
EDI	SN	37	ES	3		00:52	53.99		
EDI	SN	37				00:52	55.42	9	0.31
EDI	SE	37				00:52	55.45	13	0.49
ELO	SZ	41	EP	3		00:52	49.64		

July 26 1996 Time: 07:42 11.6 UTC Magnitude: 2.6 ML
Lat: 61.810N Lon: 2.404E Depth: 12.7 km
Grid Ref: 631.96 kmE 1333.24 kmN RMS: 0.12 secs
Locality: NORTHERN NORTH SEA Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YEL	SZ	234	EP	3		07:42	44.86		
LRW	SZ	269	EP	3		07:42	49.47		
LRW	SE	269	ES	3		07:43	16.74		
LRW	SN	269				07:43	29.88	19	0.14
LRW	SE	269				07:43	29.81	18	0.14
WAL	SZ	278	EP	3		07:42	50.43		
SAN	SZ	281	EP	3		07:42	50.59		

July 27 1996 Time: 05:25 14.5 UTC Magnitude: 1.0 ML
Lat: 56.116N Lon: 3.662W Depth: 0.2 km
Grid Ref: 296.64 kmE 692.66 kmN RMS: 0.03 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	EP	2		05:25	18.34		
PCO	SZ	31	EP	2		05:25	20.55		
EAU	SZ	33	EP	2		05:25	20.98		
EDI	SZ	37	EP	1	D	05:25	21.62		
EDI	SE	37	ES	3		05:25	26.79		
EDI	SN	37				05:25	27.28	20	0.33
EDI	SE	37				05:25	27.73	18	0.43
ELO	SZ	40	EP	2		05:25	22.10		
EBL	SZ	54	EP	2		05:25	24.44		
EDU	SZ	63	EP	3		05:25	25.85		
PMS	SZ	74	EP	3		05:25	27.57		

July 28 1996 Time: 14:42 13.3 UTC Magnitude: 1.4 ML
Lat: 55.343N Lon: 5.240W Depth: 14.1 km
Grid Ref: 194.60 kmE 610.18 kmN RMS: 0.03 secs
Locality: ARRAN, STRATHCLYDE Quality: B
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	23	IP	1	C	14:42	17.88		
GAL	SZ	63	EP	3		14:42	24.00		
GAL	SE	63	ES	3		14:42	31.67		
GAL	SN	63				14:42	35.67	14	0.10
GAL	SE	63				14:42	35.63	16	0.18
GCL	SZ	64	EP	3		14:42	24.05		
PGB	SE	71	ES	3		14:42	33.80		
PGB	SN	71				14:42	37.10	18	0.21
PGB	SE	71				14:42	36.79	16	0.21
PCA	SZ	74	EP	3		14:42	25.67		

July 30 1996 Time: 09:41 34.5 UTC Magnitude: 1.5 ML
Lat: 56.117N Lon: 3.676W Depth: 0.3 km
Grid Ref: 295.83 kmE 692.88 kmN RMS: 0.07 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	18	EP	3		09:41	38.35		
EBH	SZ	18	ES	3		09:41	41.26		
PCO	SZ	30	EP	3		09:41	40.58		
EAU	SZ	34	EP	3		09:41	40.93		
EDI	SZ	37	EP	2		09:41	41.68		
EDI	SN	37	ES	3		09:41	47.02		
EDI	SN	37				09:41	47.47	86	0.32
EDI	SE	37				09:41	48.56	83	0.34
ELO	SZ	39	EP	3		09:41	42.04		
EAB	SZ	42	EP	3		09:41	42.43		
EBL	SZ	55	EP	3		09:41	44.56		
PGB	SN	61	ES	3		09:41	53.51		
PGB	SN	61				09:41	54.36	16	0.43
PGB	SE	61				09:41	56.15	13	0.40
PMS	SZ	73	EP	3		09:41	47.58		

August 1 1996 Time: 11:01 32.9 UTC Magnitude: 0.3 ML
Lat: 53.359N Lon: 4.541W Depth: 12.8 km
Grid Ref: 230.91 kmE 387.70 kmN RMS: 0.02 secs
Locality: ANGLESEY, GWYNEDD Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
WCB	SZ	2	IP		C	11:01	35.10		

WCB	SN	2	ES	2		11:01	36.54		
WCB	SN	2				11:01	36.64	25	0.05
WCB	SE	2				11:01	36.67	40	0.12
WLF	SZ	12	IP	1	D	11:01	35.89		
YRC	SZ	12	IP	1	D	11:01	35.86		
WME	SZ	16	EP	2		11:01	36.37		
YLL	SZ	35	IP	1	D	11:01	39.10		
YRE	SZ	43	EP	3		11:01	40.32		

August 1 1996 Time: 20:55 6.8 UTC Magnitude: 3.4 ML
Lat: 55.092N Lon: 4.738E Depth: 26.1 km
Grid Ref: 829.67 kmE 598.31 kmN RMS: 0.26 secs
Locality: CENTRAL NORTH SEA Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
ABA	SZ	340	EP	3		20:55	52.07		
LWH	SZ	359	EP	3		20:55	54.81		
AWH	SZ	370	EP	3		20:55	56.04		
APA	SZ	378	EP	3		20:55	57.05		
LCP	SZ	401	EP	2		20:55	59.61		
KSY	SZ	422	EP	3		20:56	02.61		
XSO	SZ	446	EP	2		20:56	05.79		
XAL	SZ	446	EP	2		20:56	05.30		
KMY	SZ	460	ES	3		20:56	50.73		
LHO	SZ	463	EP	2		20:56	07.41		
ESY	SZ	474	EP	3		20:56	08.88		
BTA	SZ	476	EP	2		20:56	08.71		
BTA	SN	476	ES	3		20:56	54.46		
BTA	SN	476				20:56	56.17	15	0.34
BTA	SE	476				20:56	56.56	20	0.26
CWF	SZ	476	EP	2		20:56	08.81		
CWF	SE	476	ES	3		20:56	54.05		
CWF	SN	476				20:56	58.61	9	0.12
CWF	SE	476				20:56	55.98	9	0.15
BBH	SZ	490	EP	2		20:56	10.40		
BLS5	SZ	493	EP	3		20:56	10.87		
BLS5	SZ	493	ES	3		20:56	58.22		
BDL	SZ	494	EP	3		20:56	10.93		
EDR	SZ	498	EP	2		20:56	12.00		
EBL	SZ	499	EP	2		20:56	11.97		
ECK	SZ	502	EP	2		20:56	11.92		
ESK	SZ	506	EP	2		20:56	12.61		
ESK	SE	506	ES	3		20:57	00.22		
ESK	SN	506				20:57	02.01	12	0.13
ESK	SE	506				20:57	01.54	13	0.09
BHH	SZ	508	EP	2		20:56	12.63		
BHH	SE	508	ES	3		20:57	01.25		
BHH	SN	508				20:57	02.65	17	0.24
BHH	SE	508				20:57	03.25	19	0.26
EDI	SZ	509	EP	3		20:56	13.50		
EDI	SN	509	ES	3		20:57	01.32		
EDI	SN	509				20:57	02.47	20	0.33
EDI	SE	509				20:57	05.29	9	0.32
EDU	SZ	513	EP	3		20:56	13.48		
BBO	SZ	514	EP	3		20:56	13.29		
BBO	SN	514	ES	3		20:57	02.07		
BBO	SN	514				20:57	03.49	28	0.35
BBO	SE	514				20:57	04.46	20	0.19
MFI	SZ	517	EP	3		20:56	14.17		
EAU	SZ	524	EP	3		20:56	15.09		
XDE	SZ	533	EP	3		20:56	15.95		
EBH	SZ	534	EP	3		20:56	16.44		
BWH	SZ	536	EP	2		20:56	16.12		
MME	SZ	538	EP	3		20:56	16.40		
ELO	SZ	552	EP	3		20:56	18.78		
GCD	SZ	556	EP	3		20:56	18.65		
EGD	SZ	568	ES	3		20:57	16.60		
EAB	SZ	585	EP	3		20:56	22.60		
SSP	SZ	597	EP	3		20:56	23.91		
WPM	SZ	600	EP	3		20:56	23.80		
GIM	SZ	600	EP	2		20:56	23.42		
GIM	SN	600	ES	3		20:57	19.42		
ASK	SZ	601	EP	3		20:56	23.20		
ASK	SZ	601	ES	3		20:57	20.14		
GAL	SZ	605	EP	3		20:56	24.48		
WME	SZ	620	EP	3		20:56	25.97		
YLL	SZ	622	EP	3		20:56	26.19		
WCB	SZ	635	EP	3		20:56	27.71		
YRE	SZ	645	EP	3		20:56	29.49		

August 2 1996 Time: 17:42 45.8 UTC Magnitude: 0.9 ML
Lat: 52.872N Lon: 3.514W Depth: 7.7 km
Grid Ref: 298.11 kmE 331.58 kmN RMS: 0.10 secs
Locality: BALA, GWYNEDD Quality: C
Comments: 7KM SE OF BALA

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
SBD	SZ	18	EP	2		17:42	49.09		
WFB	SZ	41	EP	2		17:42	52.89		
WFB	SZ	41	ES	3		17:42	58.12		
WPM	SZ	50	EP	2		17:42	54.71		
YLL	SZ	53	EP	2		17:42	54.92		
YRE	SZ	63	IP	1	C	17:42	56.47		
WLF	SZ	75	EP	2		17:42	58.27		
YRH	SZ	75	EP	2		17:42	58.36		
YRC	SZ	83	EP	3		17:42	59.75		
WCB	SN	89	ES	3		17:43	09.85		
WCB	SN	89				17:43	11.08	3	0.16
WCB	SE	89				17:43	11.13	3	0.15

August 4 1996 Time: 05:25 4.9 UTC Magnitude: 1.3 ML
Lat: 55.340N Lon: 5.254W Depth: 13.0 km
Grid Ref: 193.65 kmE 609.93 kmN RMS: 0.09 secs
Locality: ARRAN, STRATHCLYDE Quality: B
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	22	IP		C	05:25	09.33		
GAL	SZ	63	EP	3		05:25	15.77		
GAL	SE	63	ES	3		05:25	23.29		
GAL	SN	63				05:25	27.01	8	0.10
GAL	SE	63				05:25	27.08	11	0.14
GCL	SZ	63	EP	2		05:25	15.48		
PMS	SZ	65	EP	3		05:25	15.95		
PGB	SZ	72	EP	3		05:25	16.99		
PGB	SE	72	ES	3		05:25	25.47		
PGB	SN	72				05:25	28.57	12	0.14
PGB	SE	72				05:25	28.24	15	0.16
PCA	SZ	75	EP	3		05:25	17.46		

August 9 1996 Time: 04:43 37.2 UTC Magnitude: 1.7 ML
Lat: 53.457N Lon: 2.632E Depth: 7.5 km
Grid Ref: 707.45 kmE 405.55 kmN RMS: 0.19 secs
Locality: SOUTHERN NORTH SEA Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
AWI	SZ	106	EP	3		04:43	54.25		
AWI	SZ	106	ES	3		04:44	06.53		
ABA	SZ	118	EP	3		04:43	55.76		
ABA	SZ	118	ES	3		04:44	10.16		
ABA	SZ	118				04:44	13.88	16	0.28
AWH	SZ	146	EP	3		04:44	00.66		
AWH	SZ	146	ES	3		04:44	16.50		
AWH	SZ	146				04:44	19.76	11	0.18
APA	SZ	150	EP	3		04:44	00.65		

August 10 1996 Time: 01:28 54.6 UTC Magnitude: 1.8 ML
Lat: 52.954N Lon: 2.180E Depth: 8.5 km
Grid Ref: 680.72 kmE 347.89 kmN RMS: 0.15 secs
Locality: SOUTHERN NORTH SEA Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
AWI	SZ	51	EP	3		01:29	03.12		
AWI	SZ	51	ES	3		01:29	08.69		
AWI	SZ	51				01:29	09.71	57	0.14
ABA	SZ	70	EP	2		01:29	05.85		
ABA	SZ	70	ES	3		01:29	14.34		
ABA	SZ	70				01:29	17.51	34	0.13
APA	SZ	87	EP	3		01:29	08.76		
AWH	SZ	90	EP	3		01:29	09.60		

August 11 1996 Time: 04:30 54.6 UTC Magnitude: 0.9 ML
Lat: 55.299N Lon: 5.315W Depth: 7.6 km
Grid Ref: 189.58 kmE 605.59 kmN RMS: 0.05 secs
Locality: ARRAN, STRATHCLYDE Quality: C
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	18	IP	1	C	04:30	58.32		
GCL	SZ	57	EP	3		04:31	04.42		
GAL	SZ	62	EP	3		04:31	05.11		
GAL	SN	62	ES	3		04:31	12.58		
GAL	SN	62				04:31	16.37	4	0.13
GAL	SE	62				04:31	16.07	5	0.16

August 12 1996 Time: 08:35 33.8 UTC Magnitude: 1.0 ML
Lat: 55.299N Lon: 5.292W Depth: 7.6 km
Grid Ref: 191.05 kmE 605.47 kmN RMS: 0.07 secs
Locality: ARRAN, STRATHCLYDE Quality: C
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	20	IP		C	08:35	37.73		
GCL	SZ	59	EP	3		08:35	43.86		
GAL	SZ	61	EP	3		08:35	44.22		
GAL	SE	61	ES	3		08:35	51.52		
GAL	SN	61				08:35	55.52	5	0.11
GAL	SE	61				08:35	55.54	6	0.06

August 15 1996 Time: 01:05 1.1 UTC Magnitude: 1.4 ML
Lat: 51.141N Lon: 0.095E Depth: 5.1 km
Grid Ref: 546.53 kmE 140.15 kmN RMS: 0.36 secs
Locality: E GRINSTEAD, W SUSSEX Quality: D
Comments: 6KM EAST OF E GRINSTEAD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
SFH	SZ	56	EP	2		01:05	10.39		
SFH	SZ	56	ES	3		01:05	17.99		
SKP	SZ	90	EP	2		01:05	15.99		
SKP	SZ	90	ES	3		01:05	26.68		

SIW	SZ	116	EP	3		01:05	19.99		
SWN	SZ	139	EP	2		01:05	24.10		
SWN	SN	139				01:05	42.36	7	0.30
SWN	SE	139				01:05	46.46	6	0.23
SSW	SZ	163	EP	3		01:05	27.44		
SWK	SZ	164	EP	3		01:05	27.06		

August 16 1996 Time: 01:32 25.2 UTC Magnitude: 0.2 ML
Lat: 48.985N Lon: 1.854W Depth: 9.1 km
Grid Ref: 410.72 kmE -101.62 kmN RMS: 0.07 secs
Locality: JERSEY, CHANNEL ISLANDS Quality: D
Comments: 20KM SE OF JERSEY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
JQE	SZ	27	EP	1		01:32	30.27		
JRS	SZ	29	EP	2		01:32	30.20		
JRS	SE	29	ES	2		01:32	34.35		
JRS	SN	29				01:32	34.52	4	0.05
JRS	SE	29				01:32	34.81	6	0.08
JLP	SZ	34	EP	3		01:32	31.37		
JVM	SZ	37	IP	1	D	01:32	31.72		

August 18 1996 Time: 04:34 36.1 UTC Magnitude: 1.9 ML
Lat: 53.153N Lon: 4.736W Depth: 16.1 km
Grid Ref: 217.10 kmE 365.31 kmN RMS: 0.10 secs
Locality: CAERNARVON BAY Quality: C
Comments: 17KM SW OF HOLYHEAD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YRC	SZ	15	IP		C	04:34	39.83		
WLF	SZ	27	IP	1	C	04:34	41.29		
WCB	SZ	28	IP		D	04:34	41.58		
WCB	SN	28	ES	2		04:34	44.80		
WCB	SN	28				04:34	45.19	120	0.21
WCB	SE	28				04:34	45.08	209	0.07
YRE	SZ	28	IP	1	D	04:34	41.53		
YRH	SZ	36	EP	1	D	04:34	42.55		
YLL	SZ	38	IP		C	04:34	42.87		
WME	SZ	40	IP	1	C	04:34	43.16		
WPM	SZ	57	EP	1	C	04:34	45.64		
WFB	SZ	70	EP	2		04:34	48.05		
SBD	SZ	103	IP	1	C	04:34	52.72		
WIM	SZ	111	EP	2		04:34	54.24		
SSP	SZ	137	EP	2		04:34	58.40		
SSP	SN	137	ES	2		04:35	14.02		
SSP	SN	137				04:35	15.47	33	0.24
SSP	SE	137				04:35	15.53	31	0.18
HLM	SZ	144	EP	2		04:34	59.33		

August 19 1996 Time: 01:18 59.3 UTC Magnitude: 1.2 ML
Lat: 52.692N Lon: 4.018W Depth: 10.4 km
Grid Ref: 263.64 kmE 312.41 kmN RMS: 0.10 secs
Locality: FAIRBOURNE, GWYNEDD Quality: A

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
WFB	SZ	2	IP	1	C	01:19	01.04		
YRE	SZ	42	IP	1	D	01:19	06.77		
YRH	SZ	44	IP	1	D	01:19	07.02		
HCG	SZ	48	EP	2		01:19	07.30		
YLL	SZ	51	EP	1	C	01:19	07.81		
SBD	SZ	56	EP	2		01:19	08.91		
WPM	SZ	64	IP		C	01:19	09.97		
SSP	SZ	69	EP	2		01:19	10.95		
SSP	SN	69	ES	2		01:19	19.26		
SSP	SN	69				01:19	19.66	6	0.11
SSP	SE	69				01:19	19.77	6	0.23
WLF	SZ	71	EP	2		01:19	11.03		
YRC	SZ	73	EP	2		01:19	11.41		
HLM	SZ	79	EP	2		01:19	12.62		
WME	SZ	81	EP	2		01:19	12.54		
WCB	SZ	84	EP	2		01:19	13.31		
WCB	SE	84	ES	3		01:19	22.38		
WCB	SN	84				01:19	23.86	3	0.12
WCB	SE	84				01:19	22.96	4	0.12
MCH	SN	104	ES	2		01:19	28.45		
MCH	SN	104				01:19	28.72	18	0.13
MCH	SE	104				01:19	29.19	11	0.16
HAE	SZ	124	EP	2		01:19	19.53		

August 19 1996 Time: 17:56 55.9 UTC Magnitude: 0.5 ML
Lat: 52.700N Lon: 4.016W Depth: 9.7 km
Grid Ref: 263.76 kmE 313.30 kmN RMS: 0.12 secs
Locality: FAIRBOURNE, GWYNEDD Quality: A

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
WFB	SZ	2	EP	1	D	17:56	57.60		
YRE	SZ	42	EP	2		17:57	03.25		
YRH	SZ	44	EP	2		17:57	03.60		
HCG	SZ	49	EP	2		17:57	03.93		
YLL	SZ	50	EP	2		17:57	04.38		
SBD	SZ	56	EP	3		17:57	05.37		
WPM	SZ	63	EP	2		17:57	06.43		
SSP	SZ	69	EP	2		17:57	07.60		
SSP	SN	69	ES	2		17:57	15.74		
SSP	SN	69				17:57	16.38	2	0.13
SSP	SE	69				17:57	16.44	3	0.35
WLF	SZ	70	EP	3		17:57	07.52		
WME	SZ	80	EP	2		17:57	09.46		
HLM	SZ	80	EP	3		17:57	09.15		
WCB	SE	84	ES	3		17:57	19.14		
WCB	SN	84				17:57	20.36	1	0.09
WCB	SE	84				17:57	19.52	1	0.09

August 23 1996 Time: 02:29 1.9 UTC Magnitude: 0.6 ML
Lat: 50.109N Lon: 5.182W Depth: 7.3 km
Grid Ref: 172.50 kmE 28.10 kmN RMS: 0.02 secs
Locality: CONSTANTINE, CORNWALL Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CCO	SZ	3	IP	1	D	02:29	03.24		
CGW	SZ	3	IP	1	D	02:29	03.23		
CMA	SZ	5	IP	1	C	02:29	03.39		
CGH	SZ	7	EP	2		02:29	03.53		
CR2	SZ	7	EP	2		02:29	03.56		
CR2	SN	7	ES	2		02:29	04.82		
CR2	SN	7				02:29	04.86	36	0.04
CR2	SE	7				02:29	04.88	66	0.06
CCA	SZ	9	IP		D	02:29	03.89		
CST	SZ	10	IP	1	C	02:29	03.97		

August 25 1996 Time: 00:42 27.3 UTC Magnitude: 1.9 ML
Lat: 53.033N Lon: 2.190W Depth: 3.9 km
Grid Ref: 387.25 kmE 348.41 kmN RMS: 0.09 secs
Locality: STOKE-ON-TRENT, STAFFS Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KWE	SZ	23	IP	1	C	00:42	31.69		
KBI	SZ	51	IP	1	C	00:42	36.33		
LHO	SZ	61	EP	3		00:42	37.85		
CWF	SZ	68	EP	2		00:42	38.98		
CWF	SN	68	ES	2		00:42	47.23		
CWF	SN	68				00:42	47.94	56	0.30
CWF	SE	68				00:42	47.80	41	0.21
SBD	SZ	73	EP	2		00:42	39.65		
HLM	SZ	74	EP	2		00:42	40.00		
SSP	SZ	93	EP	1	D	00:42	42.96		
SSP	SN	93	ES	2		00:42	53.93		
SSP	SN	93				00:42	54.91	27	0.16
SSP	SE	93				00:42	57.76	19	0.16
HPK	SZ	109	EP	2		00:42	45.81		
HPK	SE	109	ES	2		00:42	58.64		
HPK	SN	109				00:43	02.54	96	0.18
HPK	SE	109				00:43	01.80	70	0.38
HAE	SZ	113	EP	2		00:42	46.20		
WPM	SZ	118	EP	3		00:42	47.25		
MCH	SE	128	ES	3		00:43	03.55		
HTR	SZ	129	EP	2		00:42	48.83		
WFB	SZ	130	EP	2		00:42	48.50		
YLL	SZ	133	EP	3		00:42	48.88		
YRE	SZ	150	EP	2		00:42	51.89		
WCB	SZ	162	EP	3		00:42	53.34		
WCB	SN	162	ES	3		00:43	12.22		
WCB	SN	162				00:43	14.67	6	0.16
WCB	SE	162				00:43	12.97	9	0.21

August 25 1996 Time: 06:58 10.2 UTC Magnitude: 0.5 ML
Lat: 52.990N Lon: 3.994W Depth: 23.5 km
Grid Ref: 266.15 kmE 345.56 kmN RMS: 0.21 secs
Locality: BLAENAU FFESTINIOG Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YLL	SZ	20	IP	1	D	06:58	14.88		
YLL	SZ	20				06:58	17.67	16	0.12
YRE	SZ	29	IP	1	C	06:58	16.16		
WPM	SZ	30	EP	2		06:58	16.71		
WPM	SZ	30	ES	3		06:58	20.66		
WPM	SZ	30				06:58	21.00	15	0.22
WFB	SZ	34	EP	3		06:58	16.97		
WLF	SZ	43	IP	1	D	06:58	18.08		
WLF	SZ	43	ES	3		06:58	22.68		
WLF	SZ	43				06:58	23.26	4	0.11
YRH	SZ	46	IP	1	C	06:58	18.71		
YRC	SZ	49	EP	2		06:58	18.91		
YRC	SZ	49	ES	3		06:58	24.16		
YRC	SZ	49				06:58	24.76	3	0.13
SBD	SZ	50	EP	3		06:58	18.89		

August 26 1996 Time: 11:16 52.9 UTC Magnitude: 2.1 ML
Lat: 52.031N Lon: 3.591W Depth: 18.0 km
Grid Ref: 290.89 kmE 238.16 kmN RMS: 0.07 secs
Locality: SENNYBRIDGE, POWYS Quality: B
Comments: 8KM NORTH OF SENNYBRIDGE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HTR	SZ	23	IP		C	11:16	57.75		
HCG	SZ	33	IP		D	11:16	59.17		
MCH	SZ	41	IP		C	11:17	00.32		
MCH	SN	41	ES	2		11:17	05.58		
MCH	SN	41				11:17	05.76	289	0.16
MCH	SE	41				11:17	05.77	125	0.15

HSA	SZ	50	IP		C	11:17	01.65		
SSP	SZ	54	IP		C	11:17	02.21		
SSP	SN	54	ES	2		11:17	08.98		
SSP	SN	54				11:17	09.72	78	0.09
SSP	SE	54				11:17	09.90	110	0.17
HGH	SZ	70	EP	1	D	11:17	04.96		
HAE	SZ	72	IP	1	C	11:17	05.14		
HLM	SZ	73	EP	2		11:17	04.90		
WFB	SZ	79	IP	1	D	11:17	06.07		
HPE	SZ	82	EP	2		11:17	06.34		
SBD	SZ	100	EP	2		11:17	09.32		
YRH	SZ	114	EP	2		11:17	11.47		
YRE	SZ	120	IP	1	C	11:17	12.48		
HTL	SZ	131	EP	3		11:17	14.47		
HTL	SN	131	ES	3		11:17	29.89		
HTL	SN	131				11:17	30.74	25	0.12
HTL	SE	131				11:17	30.79	25	0.13

August 28 1996 Time: 04:36 26.0 UTC Magnitude: 1.3 ML
Lat: 53.077N Lon: 2.180W Depth: 11.8 km
Grid Ref: 387.95 kmE 353.39 kmN RMS: 0.07 secs
Locality: STOKE-ON-TRENT, STAFFS Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KWE	SZ	24	EP	2		04:36	30.65		
KBI	SZ	48	EP	3		04:36	34.69		
LHO	SZ	56	EP	2		04:36	35.62		
CWF	SZ	70	EP	2		04:36	37.85		
CWF	SN	70	ES	2		04:36	46.16		
CWF	SN	70				04:36	46.91	16	0.27
CWF	SE	70				04:36	46.65	11	0.15
SBD	SZ	75	EP	2		04:36	38.53		
HLM	SZ	78	EP	3		04:36	38.74		
SSP	SZ	97	EP	2		04:36	41.89		
SSP	SN	97	ES	3		04:36	53.06		
SSP	SN	97				04:36	53.75	9	0.14
SSP	SE	97				04:36	54.89	4	0.22
WPM	SZ	117	EP	2		04:36	46.35		
HAE	SZ	118	EP	3		04:36	45.81		
HCG	SZ	131	EP	3		04:36	47.53		
MCH	SE	132	ES	2		04:37	02.59		
YRE	SZ	151	EP	2		04:36	50.75		
YRH	SZ	167	EP	2		04:36	52.61		

August 28 1996 Time: 04:42 29.4 UTC Magnitude: 1.2 ML
Lat: 53.030N Lon: 2.195W Depth: 2.4 km
Grid Ref: 386.91 kmE 348.17 kmN RMS: 0.07 secs
Locality: STOKE-ON-TRENT, STAFFS Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KWE	SZ	24	EP	2		04:42	33.84		
KBI	SZ	51	EP	2		04:42	38.39		
LHO	SZ	62	EP	2		04:42	40.17		
CWF	SZ	68	EP	2		04:42	41.21		
CWF	SE	68	ES	2		04:42	49.71		
CWF	SN	68				04:42	50.07	12	0.34
CWF	SE	68				04:42	49.92	9	0.23
SBD	SZ	73	EP	2		04:42	41.86		
HLM	SZ	73	EP	3		04:42	41.95		
SSP	SZ	92	EP	2		04:42	45.10		
SSP	SN	92	ES	2		04:42	56.00		
SSP	SN	92				04:42	57.02	7	0.15
SSP	SE	92				04:42	59.73	5	0.32
WPM	SZ	117	EP	3		04:42	49.97		
MCH	SE	127	ES	3		04:43	05.79		

August 28 1996 Time: 18:23 35.5 UTC Magnitude: -0.1 ML
Lat: 53.114N Lon: 4.388W Depth: 17.6 km
Grid Ref: 240.21 kmE 360.18 kmN RMS: 0.10 secs
Locality: CAERNARVON BAY Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YLL	SZ	15	EP	2		18:23	39.27		
YRE	SZ	15	IP	1	C	18:23	39.39		
WLF	SZ	20	EP	2		18:23	39.78		
YRC	SZ	20	EP	2		18:23	39.85		
WCB	SZ	31	EP	2		18:23	41.70		
WCB	SN	31	ES	2		18:23	45.28		
WCB	SN	31				18:23	45.96	2	0.05
WCB	SE	31				18:23	45.36	2	0.07
YRH	SZ	35	EP	2		18:23	41.85		

September 1 1996 Time: 00:00 6.3 UTC Magnitude: 0.7 ML
Lat: 52.495N Lon: 3.305W Depth: 18.5 km
Grid Ref: 311.45 kmE 289.37 kmN RMS: 0.07 secs
Locality: NEWTOWN, POWYS Quality: A

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
SSP	SZ	16	IP	1	C	00:00	10.43		
SSP	SN	16	ES	2		00:00	13.27		
SSP	SN	16				00:00	13.34	77	0.14
SSP	SE	16				00:00	13.50	39	0.10
HLM	SZ	29	IP	1	C	00:00	12.07		
HCG	SZ	31	EP	1	C	00:00	12.25		
SBD	SZ	46	EP	2		00:00	14.43		
WFB	SZ	54	EP	2		00:00	16.02		
MCH	SZ	59	EP	2		00:00	16.45		
MCH	SN	59				00:00	23.99	3	0.15
MCH	SE	59				00:00	24.25	2	0.16
HAE	SZ	73	EP	3		00:00	18.59		
WPM	SZ	94	EP	3		00:00	21.89		
YRH	SZ	97	EP	3		00:00	22.51		

September 2 1996 Time: 23:35 50.2 UTC Magnitude: 0.7 ML
Lat: 53.098N Lon: 1.036W Depth: 2.3 km
Grid Ref: 464.56 kmE 356.09 kmN RMS: 0.09 secs
Locality: MANSFIELD, NOTTS Quality: C
Comments: C/F,5KM SE OF MANSFIELD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KSY	SZ	34	EP	3		23:35	56.38		
KBI	SZ	37	EP	3		23:35	57.16		
CWF	SE	44	ES	3		23:36	04.09		
CWF	SN	44				23:36	10.09	6	0.13
CWF	SE	44				23:36	13.84	7	0.25
KWE	SZ	55	ES	3		23:36	06.97		

September 3 1996 Time: 00:40 5.5 UTC Magnitude: 0.9 ML
Lat: 56.735N Lon: 5.121W Depth: 6.0 km
Grid Ref: 209.10 kmE 764.69 kmN RMS: 0.13 secs
Locality: FORT WILLIAM, HIGHLAND Quality: C
Comments: 9KM S OF FORT WILLIAM

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KAR	SZ	48	EP	2		00:40	13.95		
KSB	SZ	56	EP	3		00:40	14.90		
KPL	SZ	75	EP	3		00:40	17.93		
KPL	SE	75	ES	3		00:40	27.24		
KPL	SN	75				00:40	30.84	4	0.11
KPL	SE	75				00:40	31.00	4	0.14
KAC	SZ	86	EP	3		00:40	19.61		
MVH	SZ	144	ES	3		00:40	45.42		
MCD	SN	147	ES	3		00:40	46.33		

September 6 1996 Time: 00:20 24.2 UTC Magnitude: 0.5 ML
Lat: 51.755N Lon: 3.290W Depth: 6.7 km
Grid Ref: 310.98 kmE 207.13 kmN RMS: 0.06 secs
Locality: MERTHYR TYDFIL, MID GLAM Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
MCH	SZ	34	IP	1	C	00:20	30.30		
MCH	SE	34	ES	2		00:20	34.89		
MCH	SN	34				00:20	37.58	5	0.14
MCH	SE	34				00:20	36.63	5	0.10
HGH	SZ	36	EP	2		00:20	30.69		
HTR	SZ	36	IP	1	C	00:20	30.76		
HAE	SZ	60	EP	2		00:20	34.47		
HSA	SZ	60	EP	3		00:20	34.38		
HCG	SZ	68	EP	2		00:20	35.76		
SSP	SZ	75	EP	2		00:20	36.74		
SSP	SE	75	ES	2		00:20	45.62		
SSP	SN	75				00:20	47.37	2	0.15
SSP	SE	75				00:20	46.45	3	0.32

September 6 1996 Time: 00:28 51.8 UTC Magnitude: 2.6 ML
Lat: 62.312N Lon: 1.231E Depth: 15.8 km
Grid Ref: 567.44 kmE 1385.50 kmN RMS: 0.19 secs
Locality: NORTHERN NORTH SEA Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
FOO	SZ	215	EP	3		00:29	22.89		
FOO	SZ	215	ES	3		00:29	44.55		
YEL	SZ	232	EP	2		00:29	24.46		
SUE	SZ	233	EP	3		00:29	24.49		
SUE	SZ	233	ES	3		00:29	48.88		
LRW	SZ	275	EP	2		00:29	30.12		
LRW	SN	275	ES	3		00:29	57.64		
LRW	SN	275				00:30	00.05	18	0.11
LRW	SE	275				00:30	02.07	18	0.11
WAL	SZ	275	EP	3		00:29	29.87		
SAN	SZ	288	EP	3		00:29	31.62		
HYA	SZ	292	EP	3		00:29	31.83		
HYA	SZ	292	ES	3		00:30	01.86		
ASK	SZ	294	EP	3		00:29	32.11		
ASK	SZ	294	ES	3		00:30	01.78		
MOL	SZ	328	EP	3		00:29	36.36		

September 6 1996 Time: 12:38 11.4 UTC Magnitude: 1.2 ML
Lat: 53.037N Lon: 4.457W Depth: 13.0 km
Grid Ref: 235.32 kmE 351.75 kmN RMS: 0.11 secs
Locality: CAERNARVON BAY Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YRE	SZ	7	IP		C	12:38	13.87		
YLL	SZ	22	IP		C	12:38	15.72		
YRC	SZ	25	IP	1	D	12:38	16.21		
YRH	SZ	26	IP	1	C	12:38	16.16		
WLF	SZ	28	EP	2		12:38	16.44		
WCB	SZ	38	IP	1	C	12:38	18.25		
WCB	SN	38				12:38	23.36	10	0.29
WCB	SE	38				12:38	23.00	17	0.09

WME	SZ	41	EP	1	C	12:38	18.41		
WPM	SZ	44	IP	1	C	12:38	19.04		
WFB	SZ	49	EP	2		12:38	19.71		
SBD	SZ	82	EP	2		12:38	24.76		
HCG	SZ	96	EP	2		12:38	27.09		
SSP	SZ	114	EP	2		12:38	30.33		
SSP	SE	114	ES	2		12:38	43.95		
SSP	SN	114				12:38	45.97	8	0.16
SSP	SE	114				12:38	46.71	7	0.13

September 10 1996 Time: 21:47 50.5 UTC Magnitude: 1.0 ML
Lat: 53.220N Lon: 1.032W Depth: 2.5 km
Grid Ref: 464.64 kmE 369.65 kmN RMS: 0.17 secs
Locality: OLLERTON, NOTTS Quality: C
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KBI	SZ	33	EP	3		21:47	56.65		
KSY	SZ	41	EP	3		21:47	57.95		
CWF	SZ	57	EP	4		21:48	00.54		
CWF	SE	57	ES	3		21:48	07.82		
CWF	SN	57				21:48	11.88	7	0.15
CWF	SE	57				21:48	14.80	8	0.23
KWE	SZ	59	EP	3		21:48	00.94		
LHO	SZ	66	EP	3		21:48	01.56		
HPK	SZ	91	EP	3		21:48	06.29		
HPK	SN	91	ES	3		21:48	16.82		

September 11 1996 Time: 01:27 0.2 UTC Magnitude: 1.6 ML
Lat: 53.794N Lon: 2.674W Depth: 14.7 km
Grid Ref: 355.57 kmE 433.33 kmN RMS: 0.08 secs
Locality: PRESTON, LANCASHIRE Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
LHO	SZ	61	EP	2		01:27	10.53		
LMI	SZ	63	EP	3		01:27	11.10		
CDU	SZ	69	EP	2		01:27	11.74		
HPK	SZ	71	EP	2		01:27	12.17		
HPK	SE	71	ES	2		01:27	20.93		
HPK	SN	71				01:27	25.41	28	0.33
HPK	SE	71				01:27	25.29	31	0.50
LRN	SZ	91	EP	2		01:27	15.05		
SBD	SZ	106	EP	3		01:27	17.20		
BBO	SZ	111	EP	3		01:27	18.73		
BBO	SN	111	ES	3		01:27	31.38		
BBO	SN	111				01:27	34.37	11	0.28
BBO	SE	111				01:27	34.01	14	0.39
WME	SZ	117	EP	3		01:27	19.62		
BTA	SZ	124	EP	3		01:27	21.09		
BTA	SE	124	ES	3		01:27	35.22		
BTA	SN	124				01:27	37.55	17	0.18
BTA	SE	124				01:27	37.23	15	0.28
WCB	SN	132	ES	3		01:27	37.58		
WCB	SN	132				01:27	38.95	6	0.39
WCB	SE	132				01:27	39.31	7	0.26

September 15 1996 Time: 15:57 25.6 UTC Magnitude: -0.2 ML
Lat: 57.426N Lon: 5.418W Depth: 4.5 km
Grid Ref: 194.82 kmE 842.47 kmN RMS: 0.03 secs
Locality: STRATHCARRON, HIGHLAND Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KAC	SZ	11	IP		D	15:57	27.97		
KPL	SZ	17	IP	1	D	15:57	29.06		
KPL	SE	17	ES	2		15:57	31.45		
KPL	SN	17				15:57	31.61	4	0.06
KPL	SE	17				15:57	31.52	6	0.14
KSB	SZ	24	EP	3		15:57	30.16		

September 20 1996 Time: 04:04 23.4 UTC Magnitude: 3.0 ML
Lat: 52.318N Lon: 3.329W Depth: 14.4 km
Grid Ref: 309.43 kmE 269.73 kmN RMS: 0.06 secs
Locality: LLANDRINDOD WELLS Quality: B
Comments: FELT LLANDRO'D WELLS... Intensity: 4+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
SSP	SZ	19	IP	1	C	04:04	27.41		
SSP	SN	19	ES	2		04:04	30.12		
HCG	SZ	22	IP		C	04:04	27.93		
HTR	SZ	27	IP		D	04:04	28.60		
HBL2	SZ	36	IP	1	D	04:04	30.03		
HLM	SZ	38	IP		C	04:04	30.20		
MCH	SZ	42	IP		D	04:04	30.88		
MCH	SE	42	ES	2		04:04	36.26		
LPW	SZ	55	IP	2	C	04:04	32.90		
HAE	SZ	62	IP	1	D	04:04	34.05		
LLW	SZ	63	IP	2	D	04:04	34.20		
WFB	SZ	63	IP	1	D	04:04	34.10		
SBD	SZ	66	IP	1	D	04:04	34.59		
HGH	SZ	84	IP	1	D	04:04	37.59		
HSA	SZ	85	EP	2	C	04:04	37.55		
YRE	SZ	105	IP	2	D	04:04	40.61		
SSW	SZ	109	EP	2		04:04	41.94		
WPM	SZ	112	IP	1	D	04:04	41.66		
WLF	SZ	130	EP	3		04:04	44.14		
YRC	SZ	134	EP	1	C	04:04	44.78		
SWN	SZ	138	EP	2		04:04	46.63		
SWN	SN	138	ES	3		04:05	03.09		
SWN	SN	138				04:05	04.26	244	0.27
SWN	SE	138				04:05	05.70	307	0.22
WCB	SZ	144	EP	2		04:04	46.24		
WCB	SN	144				04:05	04.84	48	0.12
WCB	SE	144				04:05	05.33	73	0.16
CWF	SZ	145	EP	3		04:04	46.47		
CWF	SN	145	ES	3		04:05	02.73		
CWF	SN	145				04:05	04.98	236	0.13
CWF	SE	145				04:05	04.85	293	0.12
HTL	SZ	168	EP	3		04:04	50.09		
HTL	SE	168	ES	3		04:05	09.15		
HTL	SN	168				04:05	11.43	189	0.17
HTL	SE	168				04:05	12.11	153	0.16
DYA	SZ	214	EP	2		04:04	55.77		
DYA	SN	214				04:05	25.09	74	0.10
DYA	SE	214				04:05	23.53	88	0.13
HPK	SZ	215	EP	2		04:04	55.65		
HPK	SE	215	ES	3		04:05	19.77		
HPK	SN	215				04:05	25.43	352	0.19
HPK	SE	215				04:05	24.56	244	0.22

September 22 1996 Time: 04:38 29.9 UTC Magnitude: 1.0 ML
Lat: 54.139N Lon: 3.647W Depth: 7.8 km
Grid Ref: 292.40 kmE 472.68 kmN RMS: 0.12 secs
Locality: IRISH SEA Quality: C
Comments: 27KM W BARROW-IN-FURNESS

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
LMI	SZ	24	IP	1	C	04:38	34.47		
LMI	SE	24	ES	2		04:38	37.85		
LMI	SN	24				04:38	38.50	14	0.18
LMI	SE	24				04:38	39.02	14	0.14
CDU	SZ	37	EP	1	C	04:38	36.51		
XDE	SZ	42	EP	2		04:38	37.56		
CSF	SZ	43	EP	3		04:38	37.62		
GIM	SZ	56	EP	3		04:38	40.06		
GIM	SE	56	ES	2		04:38	46.48		
GIM	SN	56				04:38	47.56	15	0.21
GIM	SE	56				04:38	47.03	12	0.15
WIM	SZ	67	EP	2		04:38	41.72		
WME	SZ	93	EP	3		04:38	45.63		
WCB	SZ	103	EP	3		04:38	47.55		
WCB	SN	103	ES	3		04:38	59.73		
WCB	SN	103				04:39	01.46	4	0.13
WCB	SE	103				04:39	02.03	6	0.20
GAL	SZ	106	EP	3		04:38	48.27		
GAL	SE	106	ES	3		04:39	01.08		
GAL	SN	106				04:39	03.26	3	0.11
GAL	SE	106				04:39	02.57	3	0.08

September 22 1996 Time: 06:53 9.5 UTC Magnitude: 0.9 ML
Lat: 49.769N Lon: 5.781W Depth: 8.7 km
Grid Ref: 127.75 kmE -7.65 kmN RMS: 0.06 secs
Locality: SW LANDS END, CORNWALL Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CPZ	SZ	45	EP	2		06:53	17.49		
CGH	SZ	54	EP	3		06:53	18.92		
CGW	SZ	55	EP	3		06:53	19.19		
CCO	SZ	59	EP	3		06:53	19.79		
CMA	SZ	59	EP	3		06:53	19.70		
CCA	SZ	61	EP	3		06:53	20.22		
CR2	SZ	62	EP	3		06:53	20.21		
CR2	SE	62	ES	3		06:53	28.85		
CR2	SN	62				06:53	31.42	4	0.11
CR2	SE	62				06:53	32.76	5	0.06
CBW	SZ	64	EP	2		06:53	20.72		
CST	SZ	65	EP	3		06:53	20.84		

September 26 1996 Time: 06:50 59.2 UTC Magnitude: 0.4 ML
Lat: 55.070N Lon: 2.611W Depth: 12.5 km
Grid Ref: 361.00 kmE 575.29 kmN RMS: 0.09 secs
Locality: BEWCASTLE, CUMBRIA Quality: B
Comments: 5KM EAST OF BEWCASTLE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
BTA	SZ	19	IP	1	C	06:51	03.44		
BTA	SN	19	ES	3		06:51	06.11		
BTA	SN	19				06:51	06.42	13	0.35
BTA	SE	19				06:51	06.70	6	0.24
BBH	SZ	22	IP		D	06:51	03.68		
XAL	SZ	34	EP	2		06:51	05.57		
ECK	SZ	35	IP	1	D	06:51	05.63		
BDL	SZ	37	IP	1	C	06:51	06.06		
ESK	SZ	47	EP	3		06:51	07.59		
ESK	SE	47	ES	3		06:51	13.33		
ESK	SN	47				06:51	13.41	5	0.11
ESK	SE	47				06:51	13.35	3	0.12
XSO	SZ	52	IP	1	C	06:51	08.60		
BBO	SZ	55	EP	4		06:51	08.78		
BBO	SN	55				06:51	17.77	3	0.18

BBO	SE	55				06:51	16.93	4	0.30

October 1 1996 Time: 04:24 46.9 UTC Magnitude: 0.6 ML
Lat: 50.466N Lon: 4.756W Depth: 12.7 km
Grid Ref: 204.45 kmE 66.57 kmN RMS: 0.06 secs
Locality: BODMIN, CORNWALL Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CST	SZ	42	EP	3		04:24	54.43		
CBW	SZ	44	IP	1	C	04:24	54.73		
CR2	SZ	44	EP	1	C	04:24	54.86		
CR2	SN	44				04:25	01.09	2	0.05
CR2	SE	44				04:25	02.09	2	0.06
CCA	SZ	46	EP	2		04:24	55.13		
CCO	SZ	48	EP	2		04:24	55.55		
CMA	SZ	50	EP	3		04:24	56.01		
CGW	SZ	53	EP	2		04:24	56.32		
CGH	SZ	55	EP	3		04:24	56.50		
DYA	SZ	59	EP	3		04:24	57.07		
DYA	SN	59				04:25	09.08	16	1.25
DYA	SE	59				04:25	08.98	21	1.20

October 2 1996 Time: 18:13 27.8 UTC Magnitude: 1.7 ML
Lat: 55.933N Lon: 3.071W Depth: 0.4 km
Grid Ref: 333.12 kmE 671.62 kmN RMS: 0.02 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 4-

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EDI	SZ	7	IP		D	18:13	29.68		
EDI	SE	7	ES	2		18:13	30.95		
EBL	SZ	18	EP	2		18:13	31.69		
EAU	SZ	26	IP	1	D	18:13	33.02		
ESY	SZ	29	EP	3		18:13	33.51		
EBH	SZ	44	EP	3		18:13	36.18		
PGB	SE	89	ES	4		18:13	54.62		
PGB	SN	89				18:13	58.73	26	0.19
PGB	SE	89				18:13	58.87	17	0.18

October 4 1996 Time: 03:17 44.4 UTC Magnitude: 2.0 ML
Lat: 53.236N Lon: 1.016W Depth: 1.0 km
Grid Ref: 465.66 kmE 371.50 kmN RMS: 0.16 secs
Locality: OLLERTON, NOTTS Quality: C
Comments: C/F,3KM N OF OLLERTON

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KBI	SZ	34	EP	3		03:17	50.68		
KSY	SZ	42	EP	2		03:17	52.25		
LMK	SZ	52	EP	3		03:17	53.80		
CWF	SZ	59	EP	3		03:17	54.82		
CWF	SE	59	ES	3		03:18	02.42		
CWF	SN	59				03:18	09.62	30	0.19
CWF	SE	59				03:18	09.09	25	0.20
KWE	SZ	61	EP	2		03:17	55.34		
LHO	SZ	66	EP	3		03:17	56.44		
HPK	SZ	90	EP	3		03:17	59.97		
HPK	SN	90	ES	3		03:18	10.76		
HPK	SN	90				03:18	16.51	87	0.21
HPK	SE	90				03:18	15.23	72	0.17
LWH	SZ	124	EP	3		03:18	06.68		

October 9 1996 Time: 13:39 31.8 UTC Magnitude: 0.7 ML
Lat: 55.936N Lon: 3.069W Depth: 0.8 km
Grid Ref: 333.24 kmE 671.99 kmN RMS: 0.02 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EDI	SZ	8	IP		D	13:39	33.67		
EDI	SE	8	ES	2		13:39	35.01		
EDI	SN	8				13:39	35.31	67	0.25
EDI	SE	8				13:39	35.61	54	0.34
EBL	SZ	18	EP	2		13:39	35.67		
EAU	SZ	26	EP	3		13:39	36.93		
ESY	SZ	29	EP	3		13:39	37.35		
EBH	SZ	44	EP	3		13:39	40.08		

October 9 1996 Time: 19:04 18.1 UTC Magnitude: 0.8 ML
Lat: 53.110N Lon: 3.339W Depth: 10.8 km
Grid Ref: 310.39 kmE 357.85 kmN RMS: 0.10 secs
Locality: RUTHIN, CLWYD Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
SBD	SZ	23	IP	1	C	19:04	22.41		
WPM	SZ	41	IP	1	C	19:04	25.31		
YLL	SZ	56	EP	2		19:04	27.82		
WFB	SZ	67	EP	2		19:04	29.36		
WME	SZ	72	EP	2		19:04	29.95		
WLF	SZ	74	EP	2		19:04	30.50		
YRE	SZ	74	EP	2		19:04	30.61		
SSP	SZ	79	EP	3		19:04	31.34		
SSP	SE	79	ES	3		19:04	40.15		
SSP	SN	79				19:04	41.28	3	0.14
SSP	SE	79				19:04	41.61	5	0.13
WCB	SE	86	ES	3		19:04	43.35		
WCB	SN	86				19:04	44.62	2	0.10
WCB	SE	86				19:04	44.76	2	0.06
YRH	SZ	92	EP	3		19:04	33.33		

October 10 1996 Time: 08:12 37.3 UTC Magnitude: 0.9 ML
Lat: 55.947N Lon: 4.370W Depth: 4.8 km
Grid Ref: 252.00 kmE 675.16 kmN RMS: 0.04 secs
Locality: MILNGAVIE, STRATHCLYDE Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
PGB	SZ	17	IP		C	08:12	40.54		
PGB	SE	17	ES	3		08:12	43.04		
PGB	SN	17				08:12	43.72	108	0.21
PGB	SE	17				08:12	43.55	50	0.21
PCO	SZ	18	IP	1	C	08:12	40.81		
PMS	SZ	26	EP	2		08:12	42.18		
EAB	SZ	27	EP	2		08:12	42.30		
PCA	SZ	28	IP	1	C	08:12	42.53		
EBH	SZ	63	EP	2		08:12	48.14		
ELO	SZ	71	EP	3		08:12	49.34		

October 11 1996 Time: 02:35 39.9 UTC Magnitude: 1.1 ML
Lat: 55.932N Lon: 3.075W Depth: 0.6 km
Grid Ref: 332.87 kmE 671.51 kmN RMS: 0.02 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F,FELT MUSSELBURGH... Intensity: 2+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EDI	SZ	7	IP		D	02:35	41.67		
EDI	SN	7	ES	2		02:35	42.93		
EDI	SN	7				02:35	43.48	264	0.34
EDI	SE	7				02:35	44.41	142	0.46
EBL	SZ	18	EP	2		02:35	43.70		
EAU	SZ	25	EP	2		02:35	45.01		
EBH	SZ	44	EP	2		02:35	48.20		
ELO	SZ	72	EP	3		02:35	52.44		

October 14 1996 Time: 21:52 37.8 UTC Magnitude: 1.6 ML
Lat: 55.933N Lon: 3.071W Depth: 0.5 km
Grid Ref: 333.08 kmE 671.62 kmN RMS: 0.02 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 5

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EDI	SZ	7	IP		D	21:52	39.61		
EDI	SE	7	ES	2		21:52	40.88		
EBL	SZ	18	EP	2		21:52	41.63		
EAU	SZ	26	IP	1	D	21:52	42.96		
ESY	SZ	29	EP	3		21:52	43.46		
EBH	SZ	44	EP	2		21:52	46.12		
ELO	SZ	72	EP	2		21:52	50.43		
PGB	SN	89	ES	4		21:53	04.43		
PGB	SN	89				21:53	08.78	19	0.29
PGB	SE	89				21:53	08.80	15	0.23

October 14 1996 Time: 22:28 13.9 UTC Magnitude: -0.1 ML
Lat: 54.422N Lon: 3.047W Depth: 6.1 km
Grid Ref: 332.06 kmE 503.42 kmN RMS: 0.18 secs
Locality: ELTERWATER, CUMBRIA Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CSF	SZ	13	EP	3		22:28	16.76		
CSF	SZ	13	ES	3		22:28	18.83		
CSF	SZ	13				22:28	18.89	9	0.17
CDU	SZ	14	EP	1	C	22:28	16.78		
CDU	SZ	14	ES	3		22:28	18.52		
CDU	SZ	14				22:28	18.65	6	0.07
CKE	SZ	19	EP	3		22:28	18.00		
CKE	SZ	19	ES	3		22:28	19.96		
LMI	SZ	28	EP	2		22:28	19.20		
LMI	SZ	28	ES	3		22:28	22.99		
LMI	SZ	28				22:28	24.49	3	0.05

October 15 1996 Time: 05:42 41.0 UTC Magnitude: 1.8 ML
Lat: 54.697N Lon: 2.635W Depth: 8.5 km
Grid Ref: 359.11 kmE 533.71 kmN RMS: 0.09 secs
Locality: PENRITH, CUMBRIA Quality: C
Comments: 9KM EAST OF PENRITH

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
BDL	SZ	23	IP		D	05:42	45.55		
BTA	SZ	24	IP		D	05:42	45.58		
BTA	SE	24	ES	2		05:42	48.68		
CKE	SZ	33	IP	1	C	05:42	47.08		
XAL	SZ	33	IP		C	05:42	46.91		
BBO	SZ	40	EP	1	D	05:42	48.04		
BBO	SE	40	ES	3		05:42	52.80		
BBO	SN	40				05:42	53.89	98	0.28
BBO	SE	40				05:42	53.54	59	0.21
CSF	SZ	48	IP	1	C	05:42	49.43		
BBH	SZ	52	IP	1	D	05:42	50.11		
CDU	SZ	54	IP	1	C	05:42	50.35		
BHH	SZ	58	EP	1	D	05:42	51.07		
BHH	SN	58	ES	3		05:42	58.38		
BHH	SN	58				05:42	59.21	37	0.23
BHH	SE	58				05:42	59.96	29	0.13
XDE	SZ	59	IP	1	C	05:42	51.32		

ECK	SZ	63	IP	1	D	05:42	51.68		
ECK	SZ	63	EP	1	D	05:42	51.71		
LRN	SZ	63	IP	1	D	05:42	51.95		
LMI	SZ	69	EP	1	C	05:42	52.66		
LMI	SN	69	ES	3		05:43	01.41		
LMI	SN	69				05:43	02.72	38	0.15
LMI	SE	69				05:43	02.35	23	0.14
LCP	SZ	75	EP	2		05:42	54.12		
ESK	SZ	78	EP	2		05:42	54.27		
ESK	SE	78	ES	3		05:43	03.72		
ESK	SN	78				05:43	05.59	25	0.14
ESK	SE	78				05:43	05.37	26	0.15
XSO	SZ	92	IP	1	C	05:42	56.77		
HPK	SZ	106	EP	2		05:42	59.00		
HPK	SE	106	ES	3		05:43	11.43		
HPK	SN	106				05:43	13.59	53	0.24
HPK	SE	106				05:43	13.18	40	0.25

October 18 1996 Time: 03:32 24.3 UTC Magnitude: 1.1 ML
Lat: 55.933N Lon: 3.072W Depth: 0.4 km
Grid Ref: 333.05 kmE 671.60 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F,FELT MUSSELBURGH... Intensity: 2+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EDI	SZ	7	IP		D	03:32	26.10		
EDI	SE	7	ES	2		03:32	27.40		
EDI	SN	7				03:32	27.43	163	0.17
EDI	SE	7				03:32	27.54	141	0.24
EBL	SZ	18	EP	2		03:32	28.16		
EAU	SZ	25	EP	3		03:32	29.48		
EBH	SZ	44	EP	3		03:32	32.66		

October 18 1996 Time: 03:36 48.2 UTC Magnitude: 0.3 ML
Lat: 55.930N Lon: 3.074W Depth: 0.5 km
Grid Ref: 332.88 kmE 671.23 kmN RMS: 0.00 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F,FELT MUSSELBURGH... Intensity: 2+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EDI	SZ	7	IP		C	03:36	49.94		
EDI	SN	7	ES	2		03:36	51.22		
EDI	SN	7				03:36	51.59	24	0.19
EDI	SE	7				03:36	52.71	27	0.22
EBL	SZ	18	EP	3		03:36	51.98		
EAU	SZ	25	EP	3		03:36	53.28		
ESY	SZ	29	EP	3		03:36	53.90		

October 18 1996 Time: 21:09 11.1 UTC Magnitude: 2.1 ML
Lat: 53.134N Lon: 1.022W Depth: 2.0 km
Grid Ref: 465.40 kmE 360.09 kmN RMS: 0.35 secs
Locality: MANSFIELD, NOTTS Quality: C
Comments: C/F,FELT WELLOW... Intensity: 3+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KEY	SZ	29	EP	3		21:09	17.28		
KSY	SZ	35	EP	3		21:09	17.37		
KBI	SZ	36	EP	3		21:09	17.07		
CWF	SZ	48	EP	3		21:09	20.08		
CWF	SE	48	ES	3		21:09	25.81		
CWF	SN	48				21:09	49.18	61	1.23
CWF	SE	48				21:09	49.52	101	1.13
KWE	SZ	57	EP	3		21:09	21.40		
KUF	SZ	72	EP	3		21:09	23.70		
LHO	SZ	72	EP	3		21:09	23.23		
HPK	SZ	100	EP	2		21:09	28.22		
HPK	SN	100	ES	3		21:09	39.98		
HPK	SN	100				21:09	44.67	275	0.27
HPK	SE	100				21:09	44.92	158	0.19

October 20 1996 Time: 12:48 12.9 UTC Magnitude: 1.4 ML
Lat: 56.400N Lon: 3.984W Depth: 5.8 km
Grid Ref: 277.58 kmE 724.86 kmN RMS: 0.13 secs
Locality: COMRIE, TAYSIDE Quality: C
Comments: FELT COMRIE Intensity: 3+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
ELO	SZ	19	IP	1	C	12:48	16.49		
EAB	SZ	32	EP	2		12:48	18.75		
EAB	SZ	32	ES	3		12:48	22.95		
EBH	SZ	34	EP	2		12:48	19.10		
EBH	SZ	34	ES	3		12:48	23.44		
PCO	SZ	46	EP	3		12:48	21.05		
EDU	SZ	62	EP	3		12:48	23.61		
EDI	SZ	73	EP	3		12:48	25.16		
EDI	SN	73	ES	3		12:48	34.05		
EDI	SN	73				12:48	35.83	10	0.24
EDI	SE	73				12:48	36.42	11	0.29
PMS	SZ	78	EP	3		12:48	26.13		
PCA	SZ	80	EP	3		12:48	26.38		
EBL	SZ	91	EP	3		12:48	28.08		
MCD	SE	139	ES	4		12:48	52.12		
MCD	SN	139				12:48	56.13	9	0.11
MCD	SE	139				12:48	56.19	5	0.13
KPL	SE	146	ES	4		12:48	53.84		
KPL	SN	146				12:48	57.66	5	0.18
KPL	SE	146				12:48	58.26	4	0.23

October 21 1996 Time: 11:26 5.2 UTC Magnitude: 1.9 ML
Lat: 55.931N Lon: 3.074W Depth: 0.7 km
Grid Ref: 332.92 kmE 671.38 kmN RMS: 0.02 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 4-

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EDI	SZ	7	IP		D	11:26	06.93		
EDI	SE	7	ES	2		11:26	08.27		
EBL	SZ	18	IP	1	D	11:26	08.98		
EAU	SZ	25	EP	2		11:26	10.24		
ESY	SZ	29	EP	3		11:26	10.86		
EBH	SZ	45	EP	2		11:26	13.53		
ELO	SZ	72	EP	3		11:26	17.84		
PGB	SN	89	ES	4		11:26	31.79		
PGB	SN	89				11:26	36.02	35	0.20
PGB	SE	89				11:26	36.05	30	0.21

October 24 1996 Time: 10:41 4.6 UTC Magnitude: 0.8 ML
Lat: 49.373N Lon: 2.354W Depth: 5.9 km
Grid Ref: 374.29 kmE -58.51 kmN RMS: 0.03 secs
Locality: JERSEY, CHANNEL ISLANDS Quality: C
Comments: 17KM NW OF JERSEY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
JVM	SZ	20	IP	1	C	10:41	08.51		
JLP	SZ	23	IP	1	C	10:41	08.96		
JSA	SZ	25	IP	1	C	10:41	09.20		
JRS	SZ	28	EP	1		10:41	09.74		
JRS	SE	28	ES	2		10:41	13.62		
JRS	SN	28				10:41	16.03	22	0.12
JRS	SE	28				10:41	15.73	21	0.15
JQE	SZ	30	EP	1		10:41	10.16		

October 24 1996 Time: 18:37 55.1 UTC Magnitude: 0.2 ML
Lat: 60.195N Lon: 1.623W Depth: 6.8 km
Grid Ref: 420.89 kmE 1145.64 kmN RMS: 0.02 secs
Locality: SHETLAND ISLANDS Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
WAL	SZ	7	IP	1	D	18:37	56.96		
WAL	SZ	7	ES	3		18:37	58.39		
LRW	SZ	26	EP	3		18:37	59.94		
LRW	SE	26	ES	3		18:38	03.44		
LRW	SN	26				18:38	05.08	7	0.07
LRW	SE	26				18:38	05.12	7	0.08
SAN	SZ	29	EP	3		18:38	00.47		
YEL	SZ	50	EP	3		18:38	03.63		

October 25 1996 Time: 00:53 17.5 UTC Magnitude: 0.4 ML
Lat: 55.926N Lon: 3.084W Depth: 1.3 km
Grid Ref: 332.28 kmE 670.81 kmN RMS: 0.02 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		D	00:53	17.84		
EMN	SZ	1	ES	2		00:53	18.05		
EDI	SZ	6	IP	1	D	00:53	19.09		
EDI	SN	6	ES	2		00:53	20.33		
EDI	SN	6				00:53	20.44	44	0.17
EDI	SE	6				00:53	20.54	33	0.22
EBL	SZ	17	EP	3		00:53	21.06		

October 25 1996 Time: 00:58 7.5 UTC Magnitude: 0.2 ML
Lat: 55.938N Lon: 3.082W Depth: 1.7 km
Grid Ref: 332.39 kmE 672.24 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		C	00:58	08.00		
EMN	SN	1	ES	2		00:58	08.33		
EDI	SZ	7	IP		D	00:58	09.21		
EDI	SN	7	ES	2		00:58	10.49		
EDI	SN	7				00:58	10.60	19	0.16
EDI	SE	7				00:58	10.74	19	0.17
EBL	SZ	19	IP	1	D	00:58	11.26		

October 25 1996 Time: 00:58 30.0 UTC Magnitude: 0.9 ML
Lat: 55.939N Lon: 3.086W Depth: 1.7 km
Grid Ref: 332.20 kmE 672.30 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F,FELT MUSSELBURGH... Intensity: 2+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		D	00:58	30.55		
EMN	SN	1	ES	3		00:58	30.93		
EDI	SZ	7	IP	1	D	00:58	31.75		
EDI	SN	7	ES	3		00:58	32.97		
EDI	SN	7				00:58	33.09	128	0.18
EDI	SE	7				00:58	33.18	82	0.23
EBL	SZ	19	IP	1	C	00:58	33.83		

October 25 1996 Time: 04:32 21.6 UTC Magnitude: 1.4 ML
Lat: 53.743N Lon: 1.161W Depth: 7.2 km
Grid Ref: 455.36 kmE 427.70 kmN RMS: 0.20 secs
Locality: HARROGATE, N YORKSHIRE Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HPK	SZ	39	EP	1	D	04:32	28.33		
HPK	SN	39	ES	2		04:32	33.34		
HPK	SN	39				04:32	33.58	109	0.17
HPK	SE	39				04:32	33.56	100	0.18
LHO	SZ	51	IP	1	C	04:32	30.61		
KBI	SZ	60	EP	3		04:32	31.21		
LMK	SZ	64	EP	3		04:32	32.32		
LWH	SZ	73	EP	3		04:32	34.14		
LRN	SZ	86	EP	3		04:32	35.63		
CWF	SZ	112	EP	3		04:32	40.14		
CWF	SN	112	ES	3		04:32	53.37		
CWF	SN	112				04:32	54.96	2	0.08
CWF	SN	112				04:32	54.96	2	0.08
CWF	SE	112				04:32	55.63	5	0.19
LCP	SZ	113	EP	3		04:32	40.24		

October 25 1996 Time: 12:37 18.1 UTC Magnitude: 2.0 ML
Lat: 55.934N Lon: 3.083W Depth: 1.5 km
Grid Ref: 332.33 kmE 671.72 kmN RMS: 0.02 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F,FELT MUSSELBURGH... Intensity: 5

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		C	12:37	18.52		
EMN	SE	1	ES	2		12:37	18.78		
EDI	SZ	7	IP		D	12:37	19.75		
EDI	SE	7	ES	2		12:37	21.00		
EBL	SZ	18	IP	1	D	12:37	21.79		
EAU	SZ	25	EP	3		12:37	22.97		
ESY	SZ	29	EP	2		12:37	23.63		
EBH	SZ	44	EP	2		12:37	26.29		
ELO	SZ	71	EP	2		12:37	30.66		
PGB	SN	88	ES	4		12:37	44.06		
PGB	SN	88				12:37	48.98	34	0.28
PGB	SE	88				12:37	52.29	49	0.18

October 26 1996 Time: 00:49 7.3 UTC Magnitude: 0.6 ML
Lat: 55.938N Lon: 3.086W Depth: 1.8 km
Grid Ref: 332.17 kmE 672.19 kmN RMS: 0.00 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F,FELT MUSSELBURGH... Intensity: 2+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		D	00:49	07.77		
EMN	SE	1	ES	2		00:49	08.15		
EDI	SZ	7	IP		D	00:49	08.95		
EDI	SN	7	ES	2		00:49	10.17		
EDI	SN	7				00:49	10.30	47	0.15
EDI	SE	7				00:49	10.41	59	0.18
EBL	SZ	19	EP	2		00:49	11.01		
EBH	SZ	43	EP	3		00:49	15.42		

October 28 1996 Time: 11:24 44.0 UTC Magnitude: 0.4 ML
Lat: 55.929N Lon: 3.086W Depth: 1.7 km
Grid Ref: 332.14 kmE 671.17 kmN RMS: 0.03 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	0	IP		D	11:24	44.45		
EDI	SZ	6	EP	2		11:24	45.62		
EDI	SN	6	ES	2		11:24	46.87		
EDI	SN	6				11:24	47.06	30	0.13
EDI	SE	6				11:24	47.19	38	0.18
EBL	SZ	18	EP	3		11:24	47.60		
EAU	SZ	24	EP	3		11:24	48.92		

October 28 1996 Time: 20:36 54.1 UTC Magnitude: 1.9 ML
Lat: 55.931N Lon: 3.082W Depth: 1.5 km
Grid Ref: 332.41 kmE 671.42 kmN RMS: 0.03 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 4

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		C	20:36	54.54		
EMN	SE	1	ES	2		20:36	54.79		
EDI	SZ	7	IP		D	20:36	55.76		
EDI	SE	7	ES	2		20:36	57.02		
EBL	SZ	18	EP	2		20:36	57.79		
EAU	SZ	25	EP	3		20:36	59.06		
ESY	SZ	29	EP	3		20:36	59.68		
EBH	SZ	44	EP	2		20:37	02.29		
ELO	SZ	72	EP	2		20:37	06.67		
PGB	SE	88	ES	4		20:37	20.27		
PGB	SN	88				20:37	25.20	39	0.15
PGB	SE	88				20:37	24.75	23	0.17

October 29 1996 Time: 14:34 40.1 UTC Magnitude: 1.6 ML
Lat: 55.937N Lon: 3.084W Depth: 1.7 km
Grid Ref: 332.28 kmE 672.08 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F,FELT MUSSELBURGH... Intensity: 2+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		C	14:34	40.55		
EMN	SN	1	ES	2		14:34	40.93		
EDI	SZ	7	IP		D	14:34	41.76		
EDI	SE	7	ES	2		14:34	43.03		
EBL	SZ	18	IP	1	D	14:34	43.81		
EAU	SZ	25	EP	2		14:34	44.95		
ESY	SZ	30	EP	3		14:34	45.71		
ELO	SZ	71	EP	3		14:34	52.43		
PGB	SN	88	ES	4		14:35	06.10		
PGB	SN	88				14:35	06.87	18	0.30
PGB	SE	88				14:35	06.99	14	0.55

October 30 1996 Time: 04:13 46.0 UTC Magnitude: 0.4 ML
Lat: 55.942N Lon: 3.086W Depth: 1.1 km
Grid Ref: 332.20 kmE 672.60 kmN RMS: 0.00 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		C	04:13	46.43		
EDI	SZ	7	IP	1	D	04:13	47.67		
EDI	SN	7	ES	2		04:13	48.89		
EDI	SN	7				04:13	49.43	33	0.34
EDI	SE	7				04:13	49.21	34	0.17
EAU	SZ	25	EP	3		04:13	50.97		

October 30 1996 Time: 12:33 21.2 UTC Magnitude: 0.0 ML
Lat: 55.937N Lon: 3.086W Depth: 1.7 km
Grid Ref: 332.18 kmE 672.02 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		D	12:33	21.69		
EMN	SE	1	ES	3		12:33	22.01		
ENH	SZ	1	IP	1	C	12:33	21.66		
EDI	SZ	7	IP	1	D	12:33	22.88		
EDI	SN	7	ES	2		12:33	24.10		
EDI	SN	7				12:33	24.49	14	0.17
EDI	SE	7				12:33	24.41	16	0.19
EBL	SZ	18	EP	2		12:33	24.93		

October 30 1996 Time: 15:19 14.9 UTC Magnitude: 0.6 ML
Lat: 52.956N Lon: 4.367W Depth: 20.3 km
Grid Ref: 241.01 kmE 342.48 kmN RMS: 0.07 secs
Locality: LLEYN PENIN, GWYNEDD Quality: B

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YRE	SZ	5	IP		D	15:19	18.36		
YRH	SZ	22	IP		C	15:19	19.85		
YLL	SZ	24	IP	1	C	15:19	20.14		
YRC	SZ	36	EP	3		15:19	21.55		
WFB	SZ	38	EP	2		15:19	21.89		
WPM	SZ	46	EP	2		15:19	23.06		
WCB	SZ	49	EP	2		15:19	23.65		
WCB	SE	49	ES	2		15:19	29.25		
WCB	SN	49				15:19	31.01	3	0.12
WCB	SE	49				15:19	30.13	4	0.08
WME	SZ	49	EP	3		15:19	23.28		

October 30 1996 Time: 16:46 36.4 UTC Magnitude: 0.5 ML
Lat: 55.936N Lon: 3.085W Depth: 1.7 km
Grid Ref: 332.21 kmE 671.95 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 2+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP	1	C	16:46	36.81		
EMN	SN	1	ES	2		16:46	37.16		
ENH	SZ	1	IP	1	C	16:46	36.81		
EDI	SZ	7	IP		D	16:46	38.02		
EDI	SE	7	ES	3		16:46	39.28		
EDI	SN	7				16:46	39.44	37	0.16
EDI	SE	7				16:46	39.56	55	0.18
EBL	SZ	18	IP	1	D	16:46	40.07		
ESY	SZ	30	EP	3		16:46	41.97		

October 30 1996 Time: 16:52 49.4 UTC Magnitude: 1.7 ML
Lat: 55.938N Lon: 3.084W Depth: 1.7 km
Grid Ref: 332.29 kmE 672.17 kmN RMS: 0.03 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 3+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
ENH	SZ	0	IP		C	16:52	49.88		
EMN	SZ	1	IP		C	16:52	49.91		
EMN	SN	1	ES	2		16:52	50.32		
EDI	SZ	7	IP		D	16:52	51.12		
EDI	SE	7	ES	3		16:52	52.39		
EBL	SZ	19	IP	1	D	16:52	53.17		

EAU	SZ	25	EP	2		16:52	54.48		
ESY	SZ	30	EP	3		16:52	54.90		
EBH	SZ	44	IP	1	D	16:52	57.71		
ELO	SZ	71	EP	3		16:53	01.97		
PGB	SN	88	ES	4		16:53	15.83		
PGB	SN	88				16:53	20.31	18	0.26
PGB	SE	88				16:53	20.43	20	0.24

October 31 1996 Time: 01:26 31.9 UTC Magnitude: -0.3 ML
Lat: 55.935N Lon: 3.083W Depth: 1.8 km
Grid Ref: 332.34 kmE 671.83 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		C	01:26	32.36		
EMN	SN	1	ES	2		01:26	32.71		
ENH	SZ	1	IP		C	01:26	32.35		
EDI	SZ	7	EP	2		01:26	33.57		
EDI	SN	7	ES	3		01:26	34.84		
EDI	SN	7				01:26	35.32	7	0.42
EDI	SE	7				01:26	35.09	6	0.36

October 31 1996 Time: 07:53 30.8 UTC Magnitude: 1.2 ML
Lat: 55.934N Lon: 3.081W Depth: 1.6 km
Grid Ref: 332.47 kmE 671.74 kmN RMS: 0.03 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 3+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
ENH	SZ	1	IP		D	07:53	31.23		
EMN	SZ	1	IP		D	07:53	31.23		
EMN	AN	1	ES	3		07:53	31.62		
EDI	SZ	7	IP	1	D	07:53	32.46		
EDI	SN	7	ES	3		07:53	33.81		
EDI	SN	7				07:53	34.26	307	0.37
EDI	SE	7				07:53	34.56	179	0.31
EBL	SZ	18	IP		D	07:53	34.49		
EAU	SZ	25	IP	1	D	07:53	35.83		
ESY	SZ	29	IP	1	D	07:53	36.34		
EBH	SZ	44	EP	2		07:53	38.98		
ELO	SZ	71	EP	2		07:53	43.34		

October 31 1996 Time: 07:57 1.6 UTC Magnitude: 0.1 ML
Lat: 55.938N Lon: 3.085W Depth: 1.7 km
Grid Ref: 332.23 kmE 672.17 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
ENH	SZ	0	IP	1	C	07:57	02.02		
EMN	SZ	1	IP	1	C	07:57	02.06		
EMN	SE	1	ES	3		07:57	02.43		
EDI	SZ	7	IP	1	D	07:57	03.27		
EDI	SN	7	ES	3		07:57	04.48		
EDI	SN	7				07:57	05.00	20	0.40
EDI	SE	7				07:57	04.69	18	0.23
EBL	SZ	19	EP	3		07:57	05.31		

October 31 1996 Time: 10:26 33.9 UTC Magnitude: 0.7 ML
Lat: 55.936N Lon: 3.085W Depth: 1.7 km
Grid Ref: 332.22 kmE 671.98 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 2+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		C	10:26	34.32		
EMN	SN	1	ES	3		10:26	34.66		
ENH	SZ	1	IP		C	10:26	34.30		
EDI	SZ	7	IP	1	D	10:26	35.54		
EDI	SN	7	ES	3		10:26	36.74		
EDI	SN	7				10:26	37.44	75	0.26
EDI	SE	7				10:26	36.97	70	0.21
EBL	SZ	18	EP	2		10:26	37.58		

October 31 1996 Time: 12:52 12.1 UTC Magnitude: 3.8 ML
Lat: 61.576N Lon: 3.648E Depth: 20.8 km
Grid Ref: 699.61 kmE 1312.31 kmN RMS: 0.10 secs
Locality: NORTHERN NORTH SEA Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YEL	SZ	280	EP	2		12:52	50.29		
LRW	SZ	307	EP	2		12:52	53.77		
LRW	SE	307	ES	3		12:53	24.23		
LRW	SN	307				12:53	29.08	130	0.17
LRW	SE	307				12:53	29.55	91	0.19
SAN	SZ	318	EP	2		12:52	55.08		
WAL	SZ	321	EP	2		12:52	55.60		
OWE	SZ	446	EP	3		12:53	11.02		
OHO	SZ	490	EP	3		12:53	16.34		
OBR	SZ	502	EP	2		12:53	18.10		
ORE	SZ	533	EP	3		12:53	21.81		
ORE	SE	533	ES	3		12:54	12.57		
ORE	SN	533				12:54	16.67	57	0.13
ORE	SE	533				12:54	15.51	50	0.16
MLA	SZ	536	EP	3		12:53	22.26		
MFI	SZ	555	EP	3		12:53	24.58		
OTO	SZ	565	EP	2		12:53	25.51		
MCD	SZ	592	EP	3		12:53	29.04		
MCD	SE	592	ES	3		12:54	25.31		
MCD	SN	592				12:54	31.75	43	0.18
MCD	SE	592				12:54	31.03	42	0.28
MVH	SZ	600	EP	3		12:53	30.02		
RSC	SZ	609	EP	2		12:53	31.10		
REB	SZ	632	EP	3		12:53	33.83		
MDO	SZ	647	EP	3		12:53	36.28		
RRR	SE	675	ES	4		12:54	42.07		
RRR	SN	675				12:54	45.07	24	0.21
RRR	SE	675				12:54	45.77	29	0.20

October 31 1996 Time: 12:57 43.4 UTC Magnitude: 3.9 ML
Lat: 61.586N Lon: 3.734E Depth: 15.0 km
Grid Ref: 704.06 kmE 1313.92 kmN RMS: 0.11 secs
Locality: NORTHERN NORTH SEA Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YEL	SZ	284	EP	2		12:58	22.70		
LRW	SZ	312	EP	3		12:58	26.24		
LRW	SE	312	ES	3		12:58	57.41		
LRW	SN	312				12:59	01.00	128	0.21
LRW	SE	312				12:59	04.37	110	0.14
SAN	SZ	322	EP	2		12:58	27.39		
WAL	SZ	326	EP	2		12:58	27.92		
OHO	SZ	494	EP	3		12:58	48.79		
OBR	SZ	507	EP	3		12:58	50.27		
ORE	SZ	537	EP	3		12:58	54.44		
ORE	SN	537	ES	3		12:59	45.52		
ORE	SN	537				12:59	47.88	66	0.18
ORE	SE	537				12:59	47.84	60	0.21
MLA	SZ	540	EP	3		12:58	54.52		
MFI	SZ	559	EP	3		12:58	56.97		
OTO	SZ	570	EP	3		12:58	58.06		
MCD	SN	596	ES	3		12:59	58.41		
MCD	SN	596				13:00	00.93	45	0.13
MCD	SE	596				13:00	00.90	39	0.22
MME	SZ	609	EP	3		12:59	02.87		
RSC	SZ	614	EP	3		12:59	03.48		
REB	SZ	636	EP	3		12:59	06.14		
MDO	SZ	651	EP	3		12:59	08.40		
RRR	SE	679	ES	4		13:00	15.27		
RRR	SN	679				13:00	16.81	26	0.13
RRR	SE	679				13:00	17.05	23	0.21

October 31 1996 Time: 22:56 17.5 UTC Magnitude: 0.5 ML
Lat: 55.940N Lon: 3.080W Depth: 1.7 km
Grid Ref: 332.55 kmE 672.37 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP	1	C	22:56	17.99		
EMN	SZ	1	ES	2		22:56	18.36		
EDI	SZ	7	EP	2		22:56	19.21		
EDI	SE	7	ES	2		22:56	20.53		
EDI	SN	7				22:56	20.59	42	0.17
EDI	SE	7				22:56	20.79	33	0.17
EBL	SZ	19	EP	3		22:56	21.22		

October 31 1996 Time: 23:47 39.1 UTC Magnitude: 3.7 ML
Lat: 61.647N Lon: 3.653E Depth: 15.0 km
Grid Ref: 699.23 kmE 1320.28 kmN RMS: 0.09 secs
Locality: NORTHERN NORTH SEA Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YEL	SZ	283	EP	2		23:48	18.22		
LRW	SZ	312	EP	3		23:48	21.91		
LRW	SE	312	ES	3		23:48	53.01		
LRW	SN	312				23:48	57.63	86	0.16
LRW	SE	312				23:48	54.97	82	0.10
SAN	SZ	322	EP	2		23:48	23.11		
WAL	SZ	324	EP	2		23:48	23.52		
OHO	SZ	495	EP	3		23:48	44.68		
OBR	SZ	508	EP	3		23:48	46.02		
ORE	SZ	538	EP	3		23:48	49.77		
ORE	SE	538	ES	3		23:49	40.84		
ORE	SN	538				23:49	43.65	39	0.24
ORE	SE	538				23:49	43.21	39	0.24
MLA	SZ	540	EP	3		23:48	50.43		
MCD	SE	598	ES	4		23:49	53.39		
MCD	SN	598				23:49	59.91	37	0.16
MCD	SE	598				23:49	57.90	27	0.15
MVH	SZ	605	EP	3		23:48	57.80		
MDO	SZ	653	EP	3		23:49	04.09		

November 1 1996 Time: 03:53 31.4 UTC Magnitude: 0.4 ML
Lat: 55.938N Lon: 3.076W Depth: 1.1 km
Grid Ref: 332.79 kmE 672.18 kmN RMS: 0.00 secs
Locality: MUSSELBURGH, LOTHIAN Quality: C
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI

EDI	SZ	7	EP	2		03:53	33.23		
EDI	SN	7	ES	2		03:53	34.54		
EDI	SN	7				03:53	34.66	33	0.15
EDI	SE	7				03:53	34.86	37	0.18
EBL	SZ	19	EP	3		03:53	35.29		
EAU	SZ	25	EP	3		03:53	36.47		

November 1 1996 Time: 04:23 18.6 UTC Magnitude: 1.3 ML
Lat: 56.126N Lon: 3.682W Depth: 0.8 km
Grid Ref: 295.48 kmE 693.82 kmN RMS: 0.04 secs
Locality: CLACKMANNAN, CENTRAL Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EBH	SZ	17	IP	1	C	04:23	22.37		
EBH	SZ	17	ES	3		04:23	25.14		
PCO	SZ	30	EP	3		04:23	24.60		
EAU	SZ	35	EP	2		04:23	25.31		
EDI	SZ	38	EP	2		04:23	25.94		
EDI	SN	38	ES	3		04:23	31.19		
EDI	SN	38				04:23	31.65	19	0.33
EDI	SE	38				04:23	32.51	19	0.28
ELO	SZ	39	EP	2		04:23	25.97		
EAB	SZ	42	EP	2		04:23	26.44		
EBL	SZ	56	EP	2		04:23	28.77		
PCA	SZ	59	EP	3		04:23	29.39		
PGB	SZ	61	EP	3		04:23	29.67		
PGB	SN	61	ES	3		04:23	37.60		
PGB	SN	61				04:23	38.00	24	0.26
PGB	SE	61				04:23	39.42	18	0.58
EDU	SZ	63	EP	3		04:23	29.87		
PMS	SZ	73	EP	3		04:23	31.62		

November 1 1996 Time: 17:50 22.6 UTC Magnitude: 0.9 ML
Lat: 55.938N Lon: 3.088W Depth: 1.7 km
Grid Ref: 332.02 kmE 672.15 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 3+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		D	17:50	23.09		
EMN	SE	1	ES	2		17:50	23.47		
ENH	SZ	1	IP		D	17:50	23.07		
EDI	SZ	6	IP		D	17:50	24.28		
EDI	SE	6	ES	2		17:50	25.44		
EDI	SN	6				17:50	26.41	125	0.16
EDI	SE	6				17:50	26.51	101	0.19
EBL	SZ	19	EP	3		17:50	26.38		

November 4 1996 Time: 14:25 38.0 UTC Magnitude: 1.4 ML
Lat: 55.933N Lon: 3.084W Depth: 1.5 km
Grid Ref: 332.26 kmE 671.65 kmN RMS: 0.02 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 4

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
ENH	SZ	1	IP		C	14:25	38.39		
EMN	SZ	1	IP		C	14:25	38.38		
EMN	SE	1	ES	2		14:25	38.63		
EDI	SZ	7	IP	1	D	14:25	39.60		
EDI	SN	7	ES	2		14:25	40.83		
EDI	SN	7				14:25	41.40	273	0.28
EDI	SE	7				14:25	41.03	230	0.24
EBL	SZ	18	IP	1	D	14:25	41.64		
EAU	SZ	25	EP	2		14:25	42.88		
ESY	SZ	30	IP	1	D	14:25	43.51		
PGB	SN	88	ES	4		14:26	04.46		
PGB	SN	88				14:26	09.96	15	0.36
PGB	SE	88				14:26	08.80	13	0.26

November 4 1996 Time: 14:26 29.9 UTC Magnitude: 0.5 ML
Lat: 55.937N Lon: 3.086W Depth: 1.7 km
Grid Ref: 332.20 kmE 672.06 kmN RMS: 0.00 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 2+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		C	14:26	30.37		
EMN	SN	1	ES	2		14:26	30.72		
ENH	SZ	1	IP		C	14:26	30.34		
EDI	SZ	7	IP		D	14:26	31.57		
EDI	SN	7	ES	2		14:26	32.79		
EDI	SN	7				14:26	32.92	42	0.15
EDI	SE	7				14:26	33.11	43	0.18
EBL	SZ	18	IP	1	D	14:26	33.62		

November 5 1996 Time: 15:14 59.7 UTC Magnitude: 1.3 ML
Lat: 55.934N Lon: 3.084W Depth: 1.5 km
Grid Ref: 332.29 kmE 671.74 kmN RMS: 0.03 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 4

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
ENH	SZ	1	IP		D	15:15	00.15		
EMN	SZ	1	IP		D	15:15	00.15		
EDI	SZ	7	IP	1	D	15:15	01.38		
EDI	SN	7	ES	2		15:15	02.61		
EDI	SN	7				15:15	03.19	345	0.36
EDI	SE	7				15:15	03.49	219	0.32
EBL	SZ	18	IP	1	D	15:15	03.40		
EAU	SZ	25	IP	1	D	15:15	04.74		
ESY	SZ	29	IP	1	D	15:15	05.25		

November 7 1996 Time: 13:46 44.4 UTC Magnitude: 1.2 ML
Lat: 55.937N Lon: 3.085W Depth: 1.8 km
Grid Ref: 332.21 kmE 672.09 kmN RMS: 0.02 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F,FELT MUSSELBURGH... Intensity: 3+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
ENH	SZ	1	IP		C	13:46	44.91		
EMN	SZ	1	IP		C	13:46	44.90		
EMN	SN	1	ES	2		13:46	45.33		
EDI	SZ	7	IP	1	D	13:46	46.12		
EDI	SE	7	ES	2		13:46	47.34		
EDI	SN	7				13:46	47.92	240	0.31
EDI	SE	7				13:46	47.57	171	0.23
EBL	SZ	18	IP	1	D	13:46	48.17		
ESY	SZ	30	IP	1	D	13:46	50.02		

November 8 1996 Time: 02:57 5.8 UTC Magnitude: 1.9 ML
Lat: 60.404N Lon: 0.812E Depth: 19.5 km
Grid Ref: 554.90 kmE 1172.16 kmN RMS: 0.18 secs
Locality: EAST OF SHETLAND Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
YEL	SZ	105	EP	3		02:57	22.44		
LRW	SZ	114	EP	3		02:57	23.67		
LRW	SN	114				02:57	49.65	9	0.08
LRW	SE	114				02:57	53.19	12	0.12
SAN	SZ	122	EP	3		02:57	24.58		
WAL	SZ	135	EP	3		02:57	26.11		
OBR	SZ	301	EP	3		02:57	46.95		
ORE	SZ	332	EP	3		02:57	50.49		
ORE	SN	332				02:58	32.41	6	0.17
ORE	SE	332				02:58	30.12	4	0.08
OTO	SZ	364	EP	3		02:57	54.11		

November 10 1996 Time: 09:28 33.8 UTC Magnitude: 3.8 ML
Lat: 50.004N Lon: 5.576W Depth: 9.6 km
Grid Ref: 143.83 kmE 17.76 kmN RMS: 0.04 secs
Locality: PENZANCE, CORNWALL Quality: C
Comments: FELT CORNWALL & DEVON OFFSHORE LOCATION Intensity: 5

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CPZ	SZ	17	IP		C	09:28	37.22		
CGW	SZ	27	IP		C	09:28	38.97		
CGH	SZ	30	IP	1	C	09:28	39.26		
CCO	SZ	31	IP		C	09:28	39.49		
CCA	SZ	32	IP		C	09:28	39.74		
CMA	SZ	33	IP		C	09:28	39.81		
CR2	SZ	34	IP		C	09:28	40.04		
CRQ	AZ	34	IP	2	C	09:28	40.06		
CRQ	AN	34	ES	2		09:28	44.63		
CRQ	AN	34				09:28	45.02	10820	0.22
CRQ	AE	34				09:28	45.15	9116	0.15
CST	SZ	36	IP		C	09:28	40.40		
CBW	SZ	37	IP		C	09:28	40.34		
CSA	SZ	62	IP	2	C	09:28	44.55		
DCO	SZ	127	EP	4	C	09:28	53.41		
DYA	SZ	127	IP	4	C	09:28	53.59		
HTL	SZ	135	EP	3		09:28	54.51		
HTL	SE	135	ES	3		09:29	12.26		
HEX	SZ	173	EP	2		09:28	59.10		
HSA	SZ	218	EP	3		09:29	04.98		
SMD	SZ	249	EP	3		09:29	08.95		
JVM	SZ	259	EP	3		09:29	09.84		
JLP	SZ	265	EP	3		09:29	10.68		
HGH	SZ	267	EP	3		09:29	11.19		
JRS	SZ	268	EP	4		09:29	11.07		
JRS	SN	268				09:29	52.43	184	0.25
JRS	SE	268				09:29	53.05	173	0.18
SWK	SZ	268	EP	3		09:29	11.63		
HTR	SZ	282	EP	3		09:29	12.95		
MCH	SZ	286	EP	3		09:29	13.43		
MCH	SN	286	ES	3		09:29	44.98		
MCH	SN	286				09:29	46.12	378	0.11
MCH	SE	286				09:29	46.07	275	0.13
HCG	SZ	291	EP	3		09:29	14.23		
HAE	SZ	310	EP	2		09:29	16.67		
SWN	SZ	315	EP	3		09:29	17.82		
SWN	SN	315				09:30	12.43	690	1.03
SWN	SE	315				09:30	06.16	189	0.18
SSP	SZ	319	EP	3		09:29	17.81		
SSP	SN	319	ES	3		09:29	52.15		
SSP	SN	319				09:30	04.49	195	0.31
SSP	SE	319				09:30	03.37	155	0.25
YRH	SZ	322	EP	3		09:29	18.00		
SSW	SZ	341	EP	3		09:29	21.09		

YRE	SZ	341	EP	3		09:29	20.88		
SBD	SZ	361	EP	3		09:29	22.83		
YLL	SZ	362	EP	3		09:29	23.11		
YRC	SZ	368	EP	3		09:29	24.03		
WLF	SZ	375	EP	3		09:29	24.79		
WPM	SZ	380	EP	3		09:29	25.49		
WCB	SZ	382	EP	3		09:29	25.58		

November 10 1996 Time: 10:04 5.5 UTC **Magnitude: 1.1 ML**
Lat: 50.005N Lon: 5.585W **Depth: 11.8 km**
Grid Ref: 143.18 kmE 17.90 kmN **RMS: 0.03 secs**
Locality: PENZANCE, CORNWALL **Quality: C**
Comments: OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CPZ	SZ	17	IP		C	10:04	09.08		
CGW	SZ	28	IP	1	C	10:04	10.86		
CGH	SZ	31	EP	3		10:04	11.13		
CCO	SZ	31	EP	2		10:04	11.34		
CCA	SZ	33	IP	1	C	10:04	11.58		
CMA	SZ	34	EP	2		10:04	11.75		
CR2	SZ	35	EP	1	C	10:04	11.89		
CR2	SE	35	ES	3		10:04	16.79		
CR2	SN	35				10:04	16.90	20	0.06
CR2	SE	35				10:04	16.88	26	0.07
CBW	SZ	37	EP	2		10:04	12.22		

November 10 1996 Time: 10:28 30.3 UTC **Magnitude: 0.5 ML**
Lat: 50.008N Lon: 5.583W **Depth: 9.9 km**
Grid Ref: 143.34 kmE 18.23 kmN **RMS: 0.02 secs**
Locality: PENZANCE, CORNWALL **Quality: C**
Comments: OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CPZ	SZ	16	IP		C	10:28	33.58		
CGW	SZ	28	IP		C	10:28	35.41		
CGH	SZ	30	EP	2		10:28	35.76		
CCO	SZ	31	IP	1	C	10:28	35.95		
CCA	SZ	32	EP	2		10:28	36.13		
CMA	SZ	34	IP	1	C	10:28	36.33		
CR2	SZ	35	IP	1	C	10:28	36.48		
CR2	SN	35	ES	2		10:28	41.26		
CR2	SN	35				10:28	44.39	6	0.03
CR2	SE	35				10:28	44.38	6	0.04
CBW	SZ	37	EP	2		10:28	36.83		

November 10 1996 Time: 20:54 54.4 UTC **Magnitude: 0.1 ML**
Lat: 50.018N Lon: 5.577W **Depth: 8.8 km**
Grid Ref: 143.77 kmE 19.26 kmN **RMS: 0.02 secs**
Locality: PENZANCE, CORNWALL **Quality: C**
Comments: OFFSHORE LOCATION

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CPZ	SZ	15	IP	1	C	20:54	57.45		
CGW	SZ	27	EP	2		20:54	59.36		
CGH	SZ	30	EP	2		20:54	59.76		
CCO	SZ	30	EP	2		20:54	59.84		
CCA	SZ	31	EP	3		20:55	00.06		
CMA	SZ	33	EP	3		20:55	00.26		
CR2	SZ	34	EP	3		20:55	00.40		
CR2	SN	34	ES	3		20:55	05.05		
CR2	SN	34				20:55	05.19	3	0.12
CR2	SE	34				20:55	07.03	2	0.06
CST	SZ	36	EP	3		20:55	00.70		

November 11 1996 Time: 21:36 25.4 UTC **Magnitude: 0.5 ML**
Lat: 55.935N Lon: 3.087W **Depth: 1.6 km**
Grid Ref: 332.11 kmE 671.82 kmN **RMS: 0.01 secs**
Locality: MUSSELBURGH, LOTHIAN **Quality: B**
Comments: C/F,FELT MUSSELBURGH... **Intensity: 2+**

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP	1	C	21:36	25.80		
EMN	SE	1	ES	2		21:36	26.08		
ENH	SZ	1	IP		C	21:36	25.80		
EDI	SZ	6	IP	1	D	21:36	27.02		
EDI	SN	6	ES	2		21:36	28.17		
EDI	SN	6				21:36	28.90	44	0.23
EDI	SE	6				21:36	28.54	43	0.19
EBL	SZ	18	EP	2		21:36	29.07		
ESY	SZ	30	EP	2		21:36	30.93		

November 12 1996 Time: 12:00 52.5 UTC **Magnitude: 1.0 ML**
Lat: 55.939N Lon: 3.087W **Depth: 1.9 km**
Grid Ref: 332.13 kmE 672.30 kmN **RMS: 0.03 secs**
Locality: MUSSELBURGH, LOTHIAN **Quality: B**
Comments: C/F,FELT MUSSELBURGH... **Intensity: 3+**

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		D	12:00	52.98		
EMN	SN	1	ES	2		12:00	53.48		
ENH	SZ	1	IP		D	12:00	52.98		
EDI	SZ	7	IP		D	12:00	54.21		
EDI	SN	7	ES	2		12:00	55.37		
EDI	SN	7				12:00	56.03	188	0.36
EDI	SE	7				12:00	57.00	122	0.25
EBL	SZ	19	IP	1	D	12:00	56.24		
ESY	SZ	30	EP	3		12:00	58.10		

November 13 1996 Time: 18:42 8.6 UTC **Magnitude: -0.4 ML**
Lat: 55.930N Lon: 3.093W **Depth: 1.6 km**
Grid Ref: 331.73 kmE 671.30 kmN **RMS: 0.04 secs**
Locality: MUSSELBURGH, LOTHIAN **Quality: C**
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	0	EP	2		18:42	09.01		
EMN	SN	0	ES	2		18:42	09.38		
EDI	SZ	6	EP	2		18:42	10.22		
EDI	SE	6	ES	3		18:42	11.23		
EDI	SN	6				18:42	11.86	6	0.26
EDI	SE	6				18:42	11.69	5	0.22

November 14 1996 Time: 21:32 2.2 UTC **Magnitude: 0.5 ML**
Lat: 55.927N Lon: 3.082W **Depth: 1.5 km**
Grid Ref: 332.38 kmE 671.00 kmN **RMS: 0.02 secs**
Locality: MUSSELBURGH, LOTHIAN **Quality: C**
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		D	21:32	02.56		
EDI	SZ	7	EP	2		21:32	03.89		
EDI	SE	7	ES	3		21:32	05.07		
EDI	SN	7				21:32	05.80	53	0.24
EDI	SE	7				21:32	05.80	44	0.29
EBL	SZ	17	EP	2		21:32	05.77		
EAU	SZ	25	EP	3		21:32	06.93		
EBH	SZ	45	EP	3		21:32	10.39		

November 15 1996 Time: 20:21 24.0 UTC **Magnitude: 0.5 ML**
Lat: 55.935N Lon: 3.085W **Depth: 1.7 km**
Grid Ref: 332.23 kmE 671.85 kmN **RMS: 0.02 secs**
Locality: MUSSELBURGH, LOTHIAN **Quality: B**
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
ENH	SZ	1	IP	1	D	20:21	24.50		
EMN	SZ	1	IP	1	D	20:21	24.51		
EMN	SE	1	ES	2		20:21	24.82		
ENC	AZ	1	EP	3		20:21	24.60		
ENC	AE	1	ES	3		20:21	25.06		
EDI	SZ	7	EP	2		20:21	25.72		
EDI	SN	7	ES	3		20:21	26.87		
EDI	SN	7				20:21	27.68	54	0.23
EDI	SE	7				20:21	27.34	35	0.27
EBL	SZ	18	EP	2		20:21	27.74		
ESY	SZ	30	EP	2		20:21	29.60		

November 16 1996 Time: 01:32 3.5 UTC **Magnitude: 0.4 ML**
Lat: 54.410N Lon: 3.059W **Depth: 8.9 km**
Grid Ref: 331.27 kmE 502.17 kmN **RMS: 0.14 secs**
Locality: ELTERWATER, CUMBRIA **Quality: C**
Comments: 3KM SOUTH OF ELTERWATER

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CDU	SZ	12	EP	2		01:32	06.38		
CDU	SZ	12	ES	3		01:32	08.16		
CSF	SZ	13	EP	3		01:32	06.54		
CSF	SZ	13	ES	3		01:32	08.46		
CKE	SZ	20	EP	3		01:32	07.59		
CKE	SZ	20	ES	3		01:32	10.12		
LMI	SZ	27	EP	3		01:32	08.29		
BBO	SE	38	ES	3		01:32	15.37		
BBO	SN	38				01:32	15.59	5	0.08
BBO	SE	38				01:32	15.64	3	0.29

November 17 1996 Time: 03:06 27.5 UTC **Magnitude: 2.0 ML**
Lat: 53.417N Lon: 2.678W **Depth: 9.7 km**
Grid Ref: 354.93 kmE 391.36 kmN **RMS: 0.13 secs**
Locality: ST HELENS, MERSEYSIDE **Quality: C**

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
LHO	SZ	57	EP	2		03:06	37.05		
SBD	SZ	69	EP	2		03:06	39.05		
KWE	SZ	71	EP	2		03:06	39.65		
KBI	SZ	79	EP	2		03:06	40.75		
WPM	SZ	84	EP	2		03:06	41.40		
HPK	SZ	92	IP	1	C	03:06	42.66		
HPK	SN	92	ES	2		03:06	53.56		
HPK	SN	92				03:06	54.57	127	0.18
HPK	SE	92				03:06	56.37	127	0.17
LMI	SZ	99	EP	2		03:06	43.90		
LMI	SN	99	ES	2		03:06	55.44		
LMI	SN	99				03:06	55.77	14	0.16
LMI	SE	99				03:06	57.15	17	0.26
HLM	SZ	101	EP	2		03:06	43.87		
YLL	SZ	104	EP	2		03:06	44.46		
WME	SZ	108	EP	2		03:06	45.08		
SSP	SZ	115	EP	2		03:06	46.09		
SSP	SN	115	ES	2		03:06	59.89		
SSP	SN	115				03:07	02.31	22	0.13
SSP	SE	115				03:07	02.23	24	0.19

WLF	SZ	115	EP	2		03:06	46.02	
CWF	SZ	119	EP	2		03:06	47.36	
CWF	SN	119	ES	2		03:07	00.80	
CWF	SN	119				03:07	03.13	48	0.16
CWF	SE	119				03:07	03.13	33	0.21
WFB	SZ	123	EP	2		03:06	47.18	
WCB	SZ	124	EP	2		03:06	47.24	
WCB	SN	124	ES	2		03:07	01.09	
WCB	SN	124				03:07	03.12	14	0.21
WCB	SE	124				03:07	03.02	13	0.19
YRE	SZ	126	EP	2		03:06	47.61	
KSY	SZ	149	EP	2		03:06	51.97	
MCH	SN	159	ES	2		03:07	11.02	
MCH	SN	159				03:07	11.89	15	0.21
MCH	SE	159				03:07	14.11	13	0.10

November 18 1996 Time: 00:03 56.4 UTC Magnitude: 1.0 ML
Lat: 51.766N Lon: 3.838W Depth: 5.5 km
Grid Ref: 273.17 kmE 209.09 kmN RMS: 0.06 secs
Locality: GLANAMAN, DYFED Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HSA	SZ	22	IP	1	C	00:04	00.64		
HTR	SZ	52	EP	2		00:04	05.66		
HCG	SZ	63	EP	2		00:04	07.04		
MCH	SZ	63	EP	2		00:04	07.32		
MCH	SE	63	ES	2		00:04	15.11		
MCH	SN	63				00:04	15.74	4	0.09
MCH	SE	63				00:04	15.52	4	0.11
HGH	SZ	73	EP	2		00:04	08.66		
SSP	SZ	88	EP	2		00:04	10.91		
SSP	SN	88	ES	2		00:04	21.80		
SSP	SN	88				00:04	22.43	5	0.19
SSP	SE	88				00:04	22.81	5	0.20

November 23 1996 Time: 02:00 22.1 UTC Magnitude: 1.6 ML
Lat: 48.989N Lon: 4.263W Depth: 15.9 km
Grid Ref: 234.46 kmE -98.79 kmN RMS: 0.19 secs
Locality: ENGLISH CHANNEL Quality: D

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
CR2	SZ	147	EP	3		02:00	44.70		
CR2	SN	147				02:01	04.86	5	0.07
CR2	SE	147				02:01	06.34	4	0.17
DCO	SZ	151	EP	3		02:00	45.65		
JRS	SZ	160	EP	3		02:00	46.65		
JRS	SE	160	ES	3		02:01	04.31		
JRS	SN	160				02:01	12.75	25	1.03
JRS	SE	160				02:01	03.57	19	0.87
JQE	SZ	164	EP	3		02:00	47.39		

November 23 1996 Time: 20:55 50.2 UTC Magnitude: 0.4 ML
Lat: 55.937N Lon: 3.081W Depth: 1.8 km
Grid Ref: 332.47 kmE 672.11 kmN RMS: 0.02 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
ENH	SZ	0	IP	1	D	20:55	50.66		
EMN	SZ	1	IP		D	20:55	50.67		
EMN	SN	1	ES	2		20:55	51.10		
ENC	AZ	2	IP	1	D	20:55	50.86		
ENC	AN	2	ES	2		20:55	51.25		
EDI	SZ	7	EP	2		20:55	51.94		
EDI	SN	7	ES	3		20:55	53.21		
EDI	SN	7				20:55	53.83	43	0.23
EDI	SE	7				20:55	53.96	31	0.34
EBL	SZ	18	EP	1	D	20:55	53.95		

November 25 1996 Time: 01:32 42.7 UTC Magnitude: 2.1 ML
Lat: 53.086N Lon: 2.436E Depth: 10.2 km
Grid Ref: 696.99 kmE 363.52 kmN RMS: 0.06 secs
Locality: SOUTHERN NORTH SEA Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
AWI	SZ	72	EP	3		01:32	54.50		
AWI	SZ	72	ES	3		01:33	03.07		
AWI	SZ	72				01:33	05.17	62	0.21
APA	SZ	109	EP	3		01:33	00.20		
APA	SZ	109	ES	3		01:33	12.82		
APA	SZ	109				01:33	15.61	46	0.29
AWH	SZ	112	EP	3		01:33	00.51		
AWH	SZ	112	ES	3		01:33	13.77		
AWH	SZ	112				01:33	14.73	28	0.22

November 26 1996 Time: 04:04 30.5 UTC Magnitude: 1.5 ML
Lat: 50.877N Lon: 3.935W Depth: 5.8 km
Grid Ref: 263.88 kmE 110.42 kmN RMS: 0.21 secs
Locality: OKEHAMPTON, DEVON Quality: C
Comments: 17KM NE OF OKEHAMPTON

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HEX	SZ	23	IP		C	04:04	34.85		
HTL	SZ	41	EP	1	D	04:04	37.89		
HTL	SE	41	ES	2		04:04	42.80		
HTL	SN	41				04:04	44.57	40	0.18
HTL	SE	41				04:04	44.02	33	0.14
DYA	SZ	49	EP	1	C	04:04	38.91		
DYA	SE	49	ES	3		04:04	44.71		
DYA	SN	49				04:04	46.30	43	0.04
DYA	SE	49				04:04	46.01	39	0.06
DCO	SZ	62	EP	2		04:04	41.30		
CSA	SZ	90	EP	3		04:04	46.07		
HSA	SZ	98	EP	3		04:04	47.55		
CST	SZ	116	EP	2		04:04	49.77		
CBW	SZ	117	EP	2		04:04	49.79		
CR2	SZ	118	EP	1	C	04:04	50.11		
CCA	SZ	120	EP	2		04:04	50.30		
CMA	SZ	122	EP	3		04:04	50.65		
CCO	SZ	122	EP	2		04:04	50.54		
CGW	SZ	126	EP	3		04:04	51.11		
CGH	SZ	127	EP	3		04:04	51.18		

December 1 1996 Time: 07:04 37.3 UTC Magnitude: 0.5 ML
Lat: 55.934N Lon: 3.084W Depth: 1.8 km
Grid Ref: 332.27 kmE 671.72 kmN RMS: 0.01 secs
Locality: MUSSELBURGH, LOTHIAN Quality: B
Comments: C/F

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
EMN	SZ	1	IP		D	07:04	37.75		
EMN	SE	1	ES	2		07:04	38.10		
ENH	SZ	1	IP		C	07:04	37.78		
EDI	SZ	7	EP	2		07:04	38.97		
EDI	SN	7	ES	3		07:04	40.22		
EDI	SN	7				07:04	40.54	56	0.19
EDI	SE	7				07:04	40.46	33	0.29
EBL	SZ	18	IP	1	C	07:04	40.97		

December 8 1996 Time: 01:06 4.8 UTC Magnitude: 1.9 ML
Lat: 51.509N Lon: 0.628W Depth: 1.2 km
Grid Ref: 495.19 kmE 179.90 kmN RMS: 0.17 secs
Locality: MAIDENHEAD, BERKSHIRE Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
SKP	SZ	27	IP	1	D	01:06	09.86		
SFH	SZ	50	EP	2		01:06	13.90		
TSA	SZ	62	EP	2		01:06	15.72		
TEB	SZ	94	EP	3		01:06	21.07		
SSW	SZ	99	EP	3		01:06	21.74		
SIW	SZ	107	EP	3		01:06	22.85		
TCR	SZ	113	EP	3		01:06	23.96		
SWK	SZ	120	EP	3		01:06	25.10		
HAE	SZ	145	EP	2		01:06	28.65		
SMD	SZ	147	EP	3		01:06	29.12		
HGH	SZ	152	EP	3		01:06	29.68		
MCH	SZ	172	EP	3		01:06	32.24		
MCH	SE	172	ES	3		01:06	53.09		
MCH	SN	172				01:06	53.41	9	0.16
MCH	SE	172				01:06	53.50	13	0.19
HLM	SZ	191	EP	3		01:06	35.08		
SSP	SZ	198	EP	3		01:06	36.33		
SSP	SN	198				01:07	00.46	13	0.19
SSP	SE	198				01:07	01.04	9	0.24

December 16 1996 Time: 04:09 3.5 UTC Magnitude: 3.3 ML
Lat: 61.013N Lon: 3.680E Depth: 13.7 km
Grid Ref: 706.77 kmE 1249.98 kmN RMS: 0.25 secs
Locality: NORTHERN NORTH SEA Quality: C
Comments: FELT FEDJE FYR & VAKSDAL Intensity: 2+

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
SUE	SZ	59	EP	3		04:09	13.55		
SUE	SZ	59	IS	3		04:09	20.11		
FOO	SZ	98	IP	3	C	04:09	19.15		
FOO	SZ	98	ES	3		04:09	30.20		
HYA	SZ	136	EP	3		04:09	24.12		
HYA	SZ	136	ES	3		04:09	40.61		
ODD1	SZ	203	EP	3		04:09	32.77		
KMY	SZ	219	IP	3	C	04:09	34.52		
BLS5	SZ	235	IP	3	C	04:09	36.66		
YEL	SZ	264	EP	3		04:09	40.90		
MOL	SZ	268	EP	3		04:09	41.05		
LRW	SZ	284	EP	3		04:09	42.93		
LRW	SE	284	ES	3		04:10	11.31		
LRW	SN	284				04:10	15.99	28	0.17
LRW	SE	284				04:10	14.92	25	0.23
SAN	SZ	292	EP	3		04:09	44.00		
WAL	SZ	302	EP	3		04:09	45.20		
OST	SZ	409	EP	3		04:09	58.51		
OHO	SZ	458	EP	3		04:10	04.38		
OBR	SZ	468	EP	3		04:10	05.84		
ORE	SZ	500	EP	3		04:10	09.58		
ORE	SE	500	ES	3		04:10	57.86		
ORE	SN	500				04:10	58.64	18	0.23
ORE	SE	500				04:10	58.56	14	0.18
OTO	SZ	533	EP	3		04:10	13.59		
MCD	SN	550	ES	4		04:11	07.94		
MCD	SN	550				04:11	09.74	17	0.19
MCD	SE	550				04:11	09.52	12	0.15

EDI	SN	694	ES	4		04:11	39.85		
EDI	SN	694				04:11	44.11	10	0.26
EDI	SE	694				04:11	43.31	15	0.30
ESK	SE	753	ES	4		04:11	52.10		
ESK	SN	753				04:11	56.81	5	0.22
ESK	SE	753				04:11	55.39	6	0.21

December 24 1996 Time: 21:43 20.9 UTC Magnitude: 0.3 ML
Lat: 57.563N Lon: 5.635W Depth: 6.8 km
Grid Ref: 182.61 kmE 858.32 kmN RMS: 0.11 secs
Locality: TORRIDON, HIGHLAND Quality: C
Comments: 7KM NW OF TORRIDON

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KAC	SZ	21	IP	1	C	21:43	25.06		
KPL	SZ	25	IP	1	C	21:43	25.71		
KPL	SN	25	ES	2		21:43	28.94		
KPL	SN	25				21:43	29.12	7	0.13
KPL	SE	25				21:43	29.43	12	0.14
KSB	SZ	41	EP	1	C	21:43	28.44		

December 26 1996 Time: 00:00 45.2 UTC Magnitude: 0.8 ML
Lat: 56.791N Lon: 5.773W Depth: 7.6 km
Grid Ref: 169.62 kmE 772.90 kmN RMS: 0.15 secs
Locality: MOIDART, HIGHLAND Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
KSB	SZ	51	EP	3		00:00	53.76		
KPL	SZ	62	EP	2		00:00	55.50		
KPL	SE	62	ES	3		00:01	03.08		
KPL	SN	62				00:01	07.29	4	0.07
KAC	SZ	84	EP	2		00:00	59.25		

December 29 1996 Time: 04:35 50.6 UTC Magnitude: 0.9 ML
Lat: 55.283N Lon: 5.340W Depth: 3.5 km
Grid Ref: 187.93 kmE 603.85 kmN RMS: 0.05 secs
Locality: ARRAN, STRATHCLYDE Quality: C
Comments: SOUTH OF ARRAN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
GMK	SZ	18	IP		C	04:35	54.01		
GCL	SZ	55	EP	3		04:36	00.26		
GAL	SZ	61	EP	3		04:36	01.29		
GAL	SN	61	ES	3		04:36	08.87		
GAL	SN	61				04:36	11.90	5	0.07
GAL	SE	61				04:36	11.35	5	0.10

December 31 1996 Time: 09:06 26.8 UTC Magnitude: -0.2 ML
Lat: 53.419N Lon: 4.642W Depth: 16.9 km
Grid Ref: 224.45 kmE 394.69 kmN RMS: 0.01 secs
Locality: OFF ANGLESEY, GWYNEDD Quality: C

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
WCB	SZ	8	IP	1	D	09:06	29.87		
WCB	SN	8	ES	2		09:06	31.95		
WCB	SN	8				09:06	32.00	5	0.06
WCB	SE	8				09:06	32.02	10	0.06
YRC	SZ	19	EP	3		09:06	31.01		
WLF	SZ	22	IP	1	D	09:06	31.34		
WME	SZ	23	EP	3		09:06	31.43		

December 31 1996 Time: 12:10 33.4 UTC Magnitude: 1.6 ML
Lat: 52.864N Lon: 2.223W Depth: 7.6 km
Grid Ref: 385.02 kmE 329.67 kmN RMS: 0.21 secs
Locality: STAFFORD, STAFFORDSHIRE Quality: D
Comments: 7KM NW OF STAFFORD

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI
HLM	SZ	59	EP	2		12:10	43.22		
CWF	SZ	63	EP	2		12:10	44.19		
CWF	SE	63	ES	3		12:10	51.32		
CWF	SN	63				12:10	52.08	24	0.23
CWF	SE	63				12:10	52.43	8	0.16
KBI	SZ	64	EP	2		12:10	44.13		
SBD	SZ	70	EP	2		12:10	44.77		
SSP	SZ	78	EP	2		12:10	46.40		
SSP	SN	78	ES	3		12:10	55.55		
SSP	SN	78				12:10	55.72	16	0.12
SSP	SE	78				12:10	56.52	11	0.16
HAE	SZ	95	EP	2		12:10	49.58		
MCH	SZ	110	EP	3		12:10	51.55		
MCH	SE	110	ES	3		12:11	04.55		
MCH	SN	110				12:11	08.04	25	0.20
MCH	SE	110				12:11	08.08	21	0.12
HTR	SZ	113	EP	2		12:10	51.79		
HCG	SZ	114	EP	3		12:10	51.96		
YLL	SZ	134	EP	3		12:10	54.80		
YRE	SZ	149	EP	2		12:10	56.97		
WLF	SZ	153	EP	3		12:10	57.69		
YRH	SZ	162	EP	3		12:10	58.78		

TABLE 6

DEPTH/CRUSTAL VELOCITY MODELS

TABLE 6

Depth / crustal velocity models used in earthquake locations

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

FIGURES 1 TO 5

KEY TO EPICENTRE MAPS, FIGURES 3 TO 5

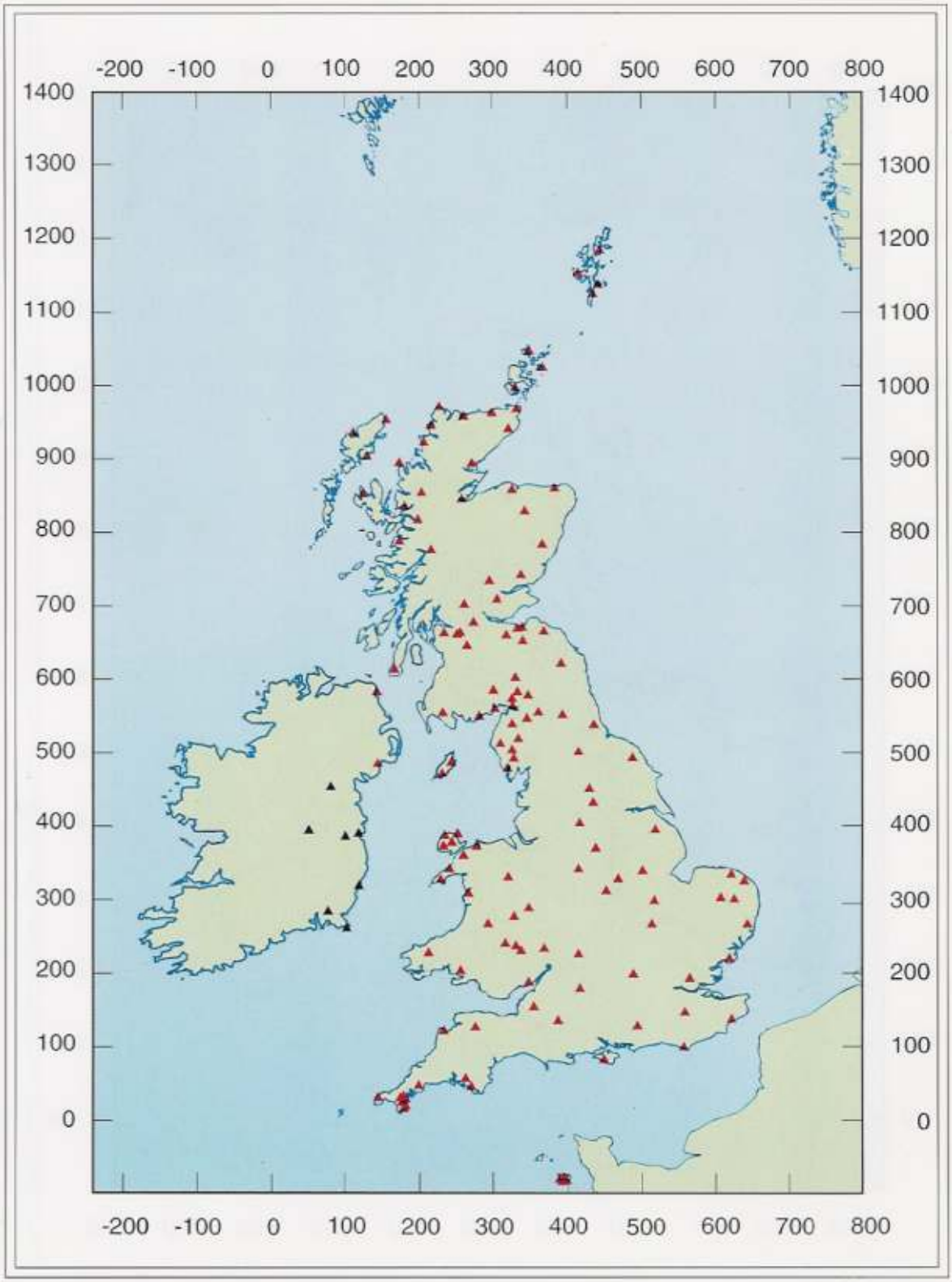


Figure 1. Seismograph network operational in December 1996. Colour coding shows the rapid access stations (red) and DIAS stations (black).

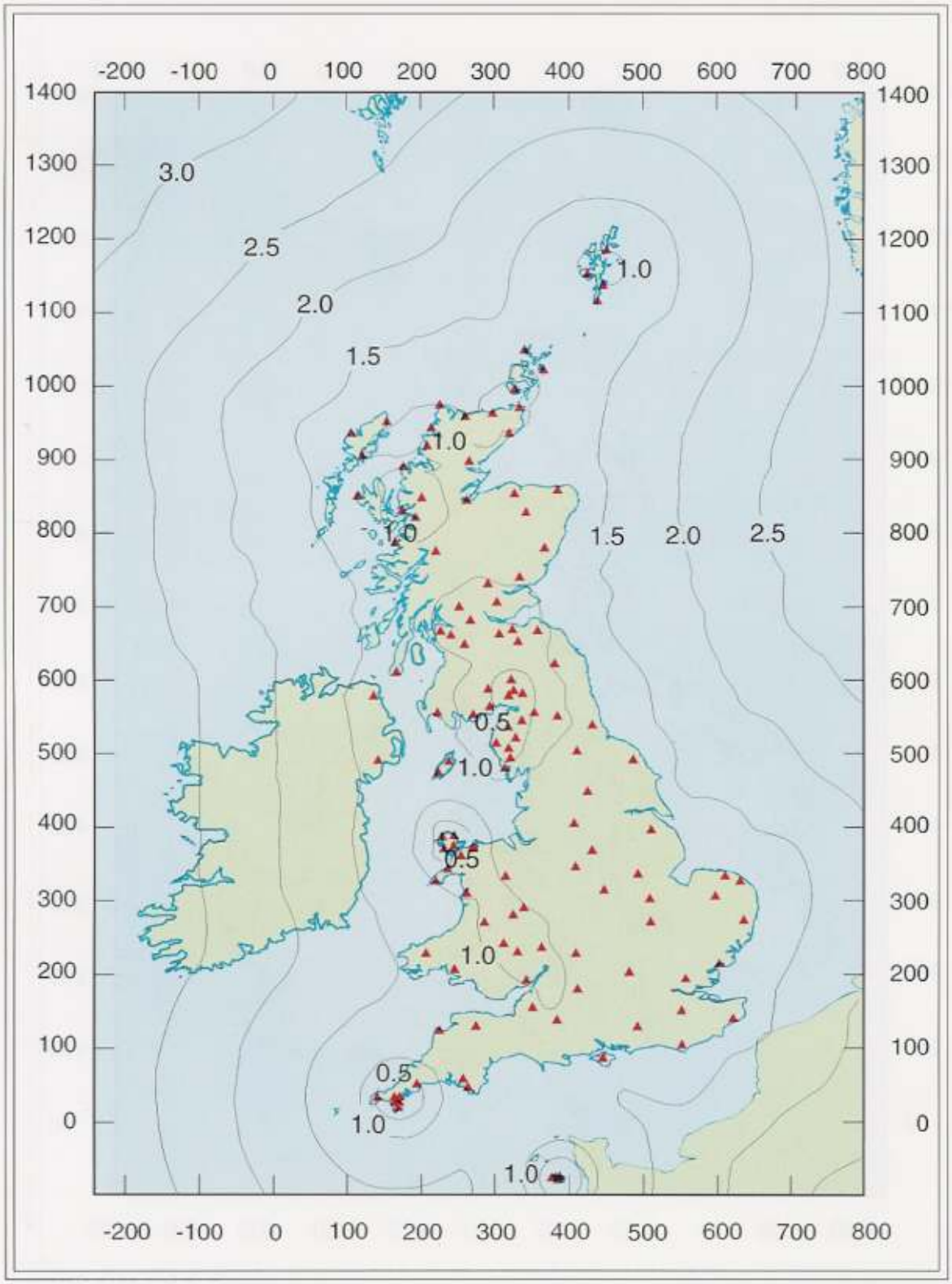


Figure 2. Earthquake detection capability in December 1996. Contour values are Richter local magnitude (ML) for 4 nanometres of noise (average) and S-wave amplitudes twice that at the fourth nearest station.

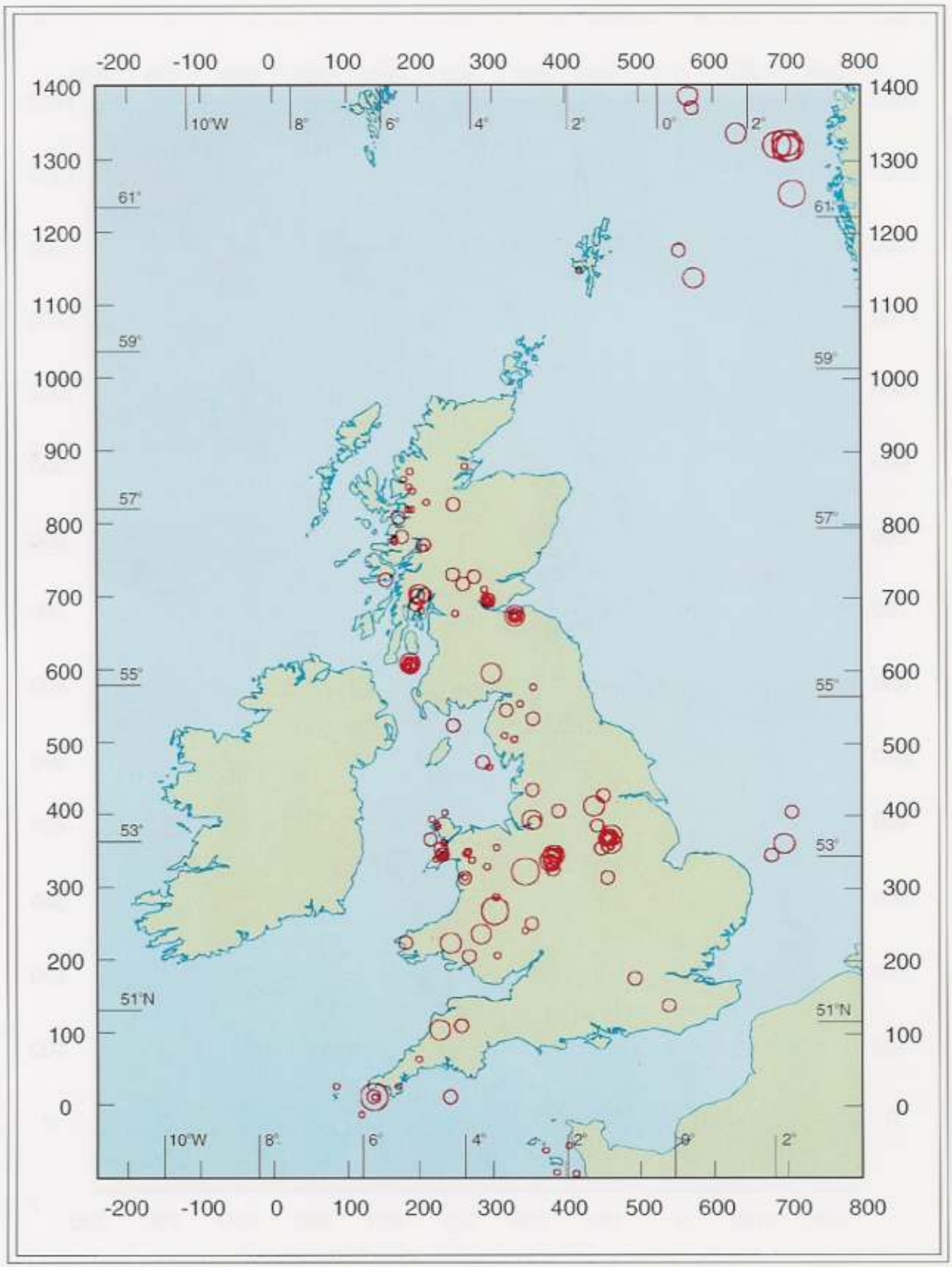


Figure 3. Epicentres of all UK earthquakes located in 1996.

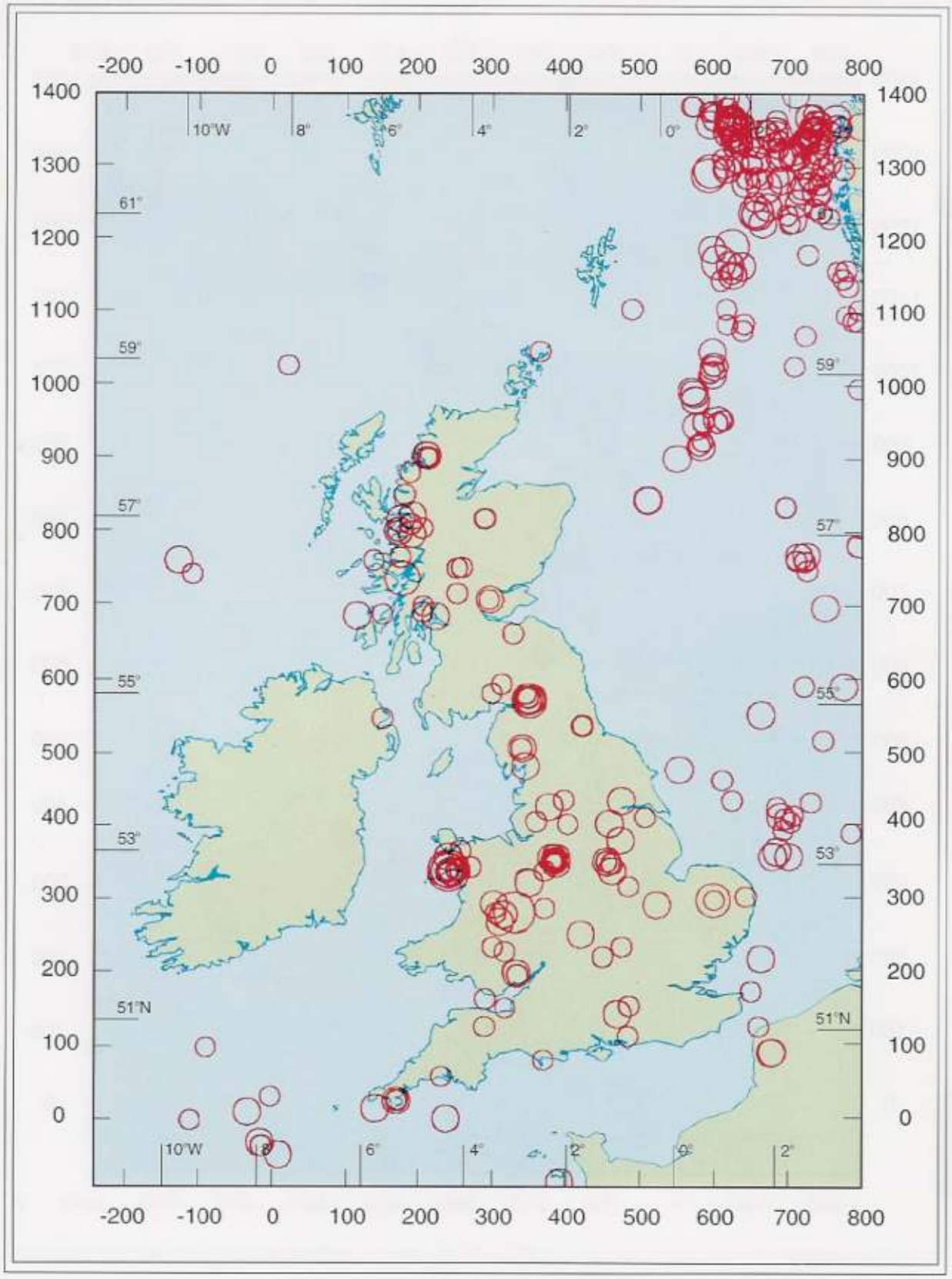


Figure 4. Epicentres of earthquakes with magnitudes 2.5 ML or greater, for the period 1979 to 1996.

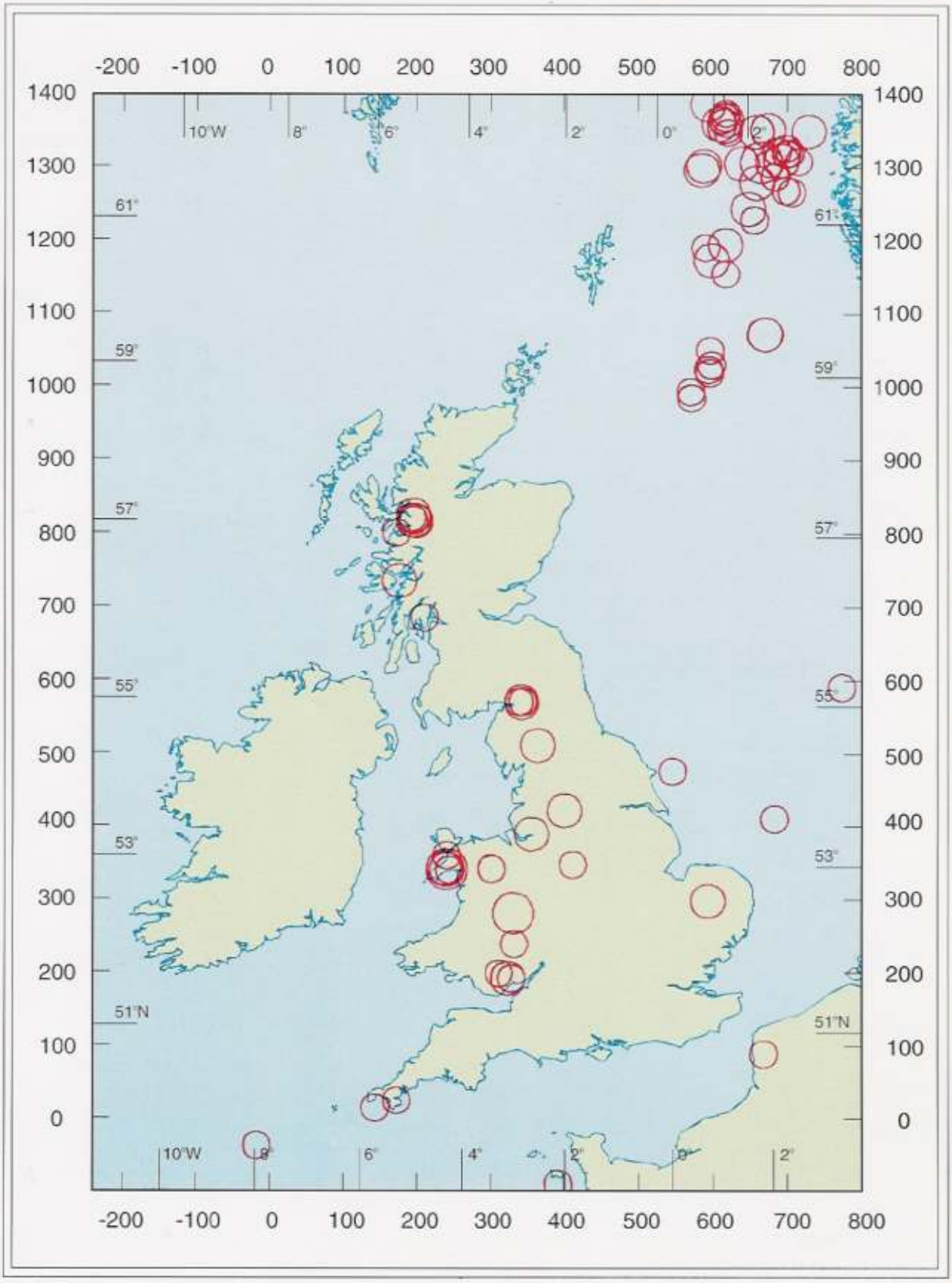


Figure 5. Epicentres of earthquakes with magnitudes 3.5 ML or greater, for the period 1970 to 1996.

APPENDIX A

SIGNIFICANT EARTHQUAKES IN 1996

APPENDIX A1

PENZANCE EARTHQUAKE, 10 NOVEMBER 1996

PARAMETERS

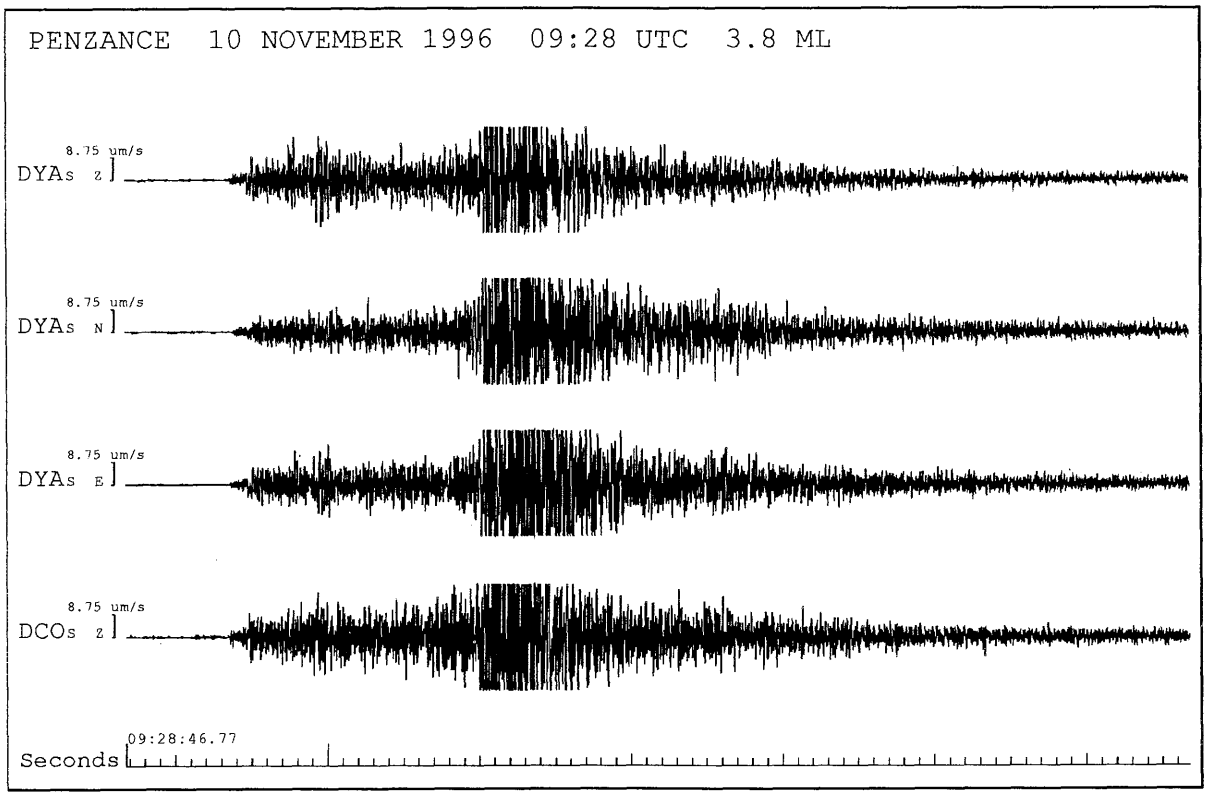
Date:	**10 November 1996**
Origin Time:	**09:28 33.8 UTC**
Latitude and longitude:	**50.00° N 5.57° W**
Grid Reference:	**143.8 km E 17.8 km N**
Depth:	**9.6 km**
Magnitude:	**3.8 ML**
Hypo Solution Quality:	**C (B*D)**
Epicentral Error (1 std. dev.):	**3.4 km**
Depth Error (1 std. dev.):	**2.6 km**

Discussion

The largest earthquake occurred offshore, 12 km south of Penzance, Cornwall, on 10 November. It had a magnitude of 3.8 ML and was felt over an area of 14,000 km² throughout Cornwall, the Scilly Isles and in parts of Devon. A macroseismic survey, with 900 replies, showed a maximum intensity of 5 EMS close to the epicentre where minor damage (cracked plaster) occurred. Three aftershocks were detected, on the same day, but none were felt. It occurs in the same area as the magnitude 4.4 ML Penzance earthquake on 15 July 1757, which was felt with intensities of between 5 and 6 EMS.

Input to the focal mechanism procedure consisted of 12 impulsive P-polarities (all compressional) and one SV/P amplitude ratio from the 3-component strong motion instrument at Rosemanowes, near Falmouth, some 34 km from the epicentre. Owing to the station distribution (a station gap of some 278°) around this offshore epicentre, a poorly constrained fault plane solution was obtained. It shows normal faulting, with varying components of strike-slip motion, on planes striking either NS and dipping to the east or striking NW-SE and dipping to the SW.

Seismograms recorded by the BGS networks in Devon and Hereford are shown in Figure A1.1, an isoseismal map in Figure A1.2 and a fault plane solution in Figure A1.3.



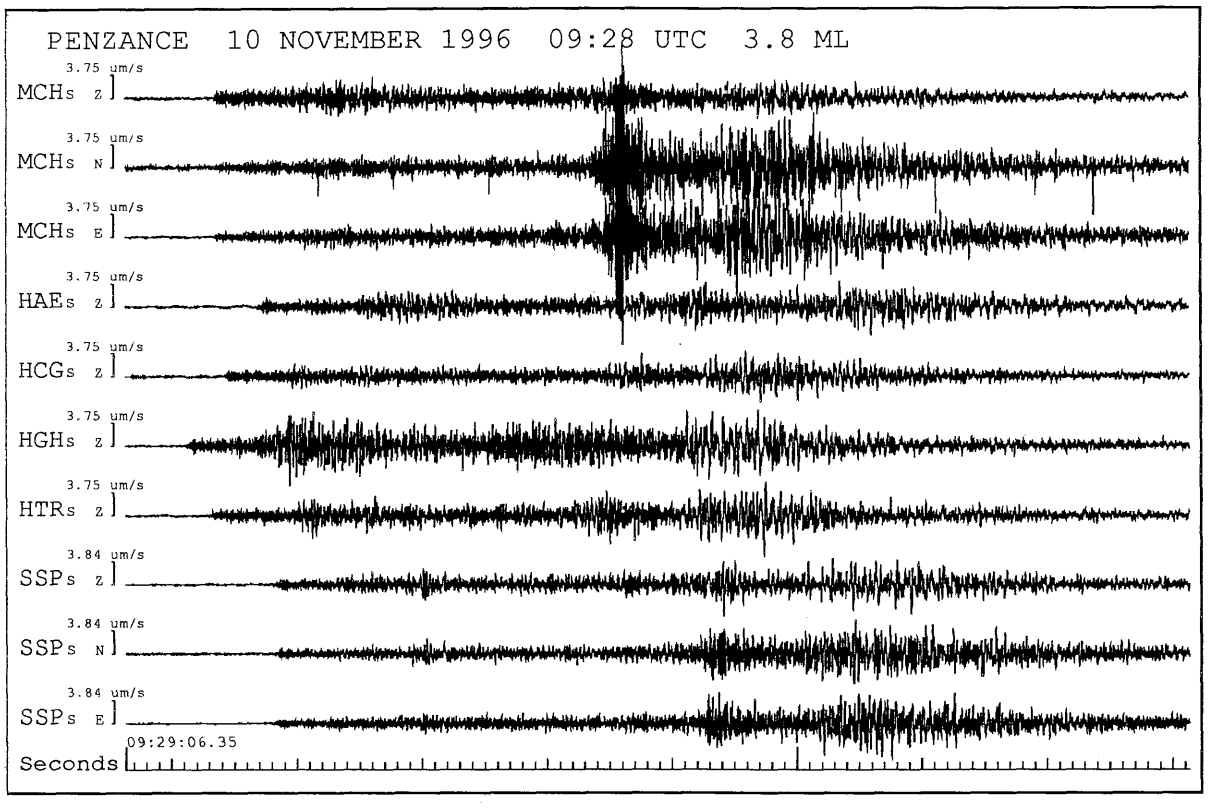


Figure A1.1. Seismograms of the Penzance earthquake 10 November 1996 09:28 UTC 3.8 ML recorded on the Devon and Hereford networks.

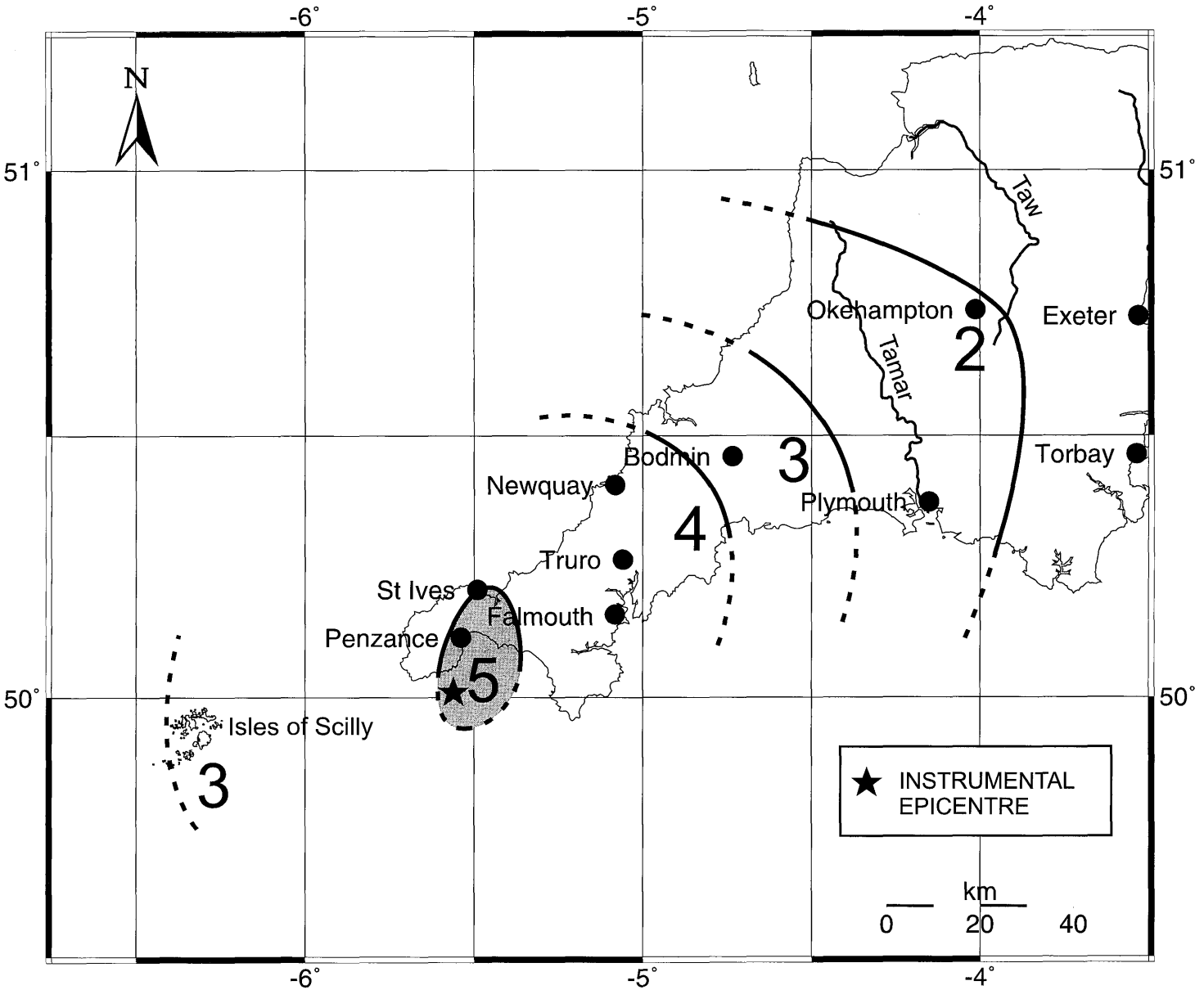


Figure A1.2. Penzance Earthquake 10th November 1996, 09:28 UTC (3.8 ML) - EMS Intensities

FAULT PLANE SOLUTION : PENZANCE EARTHQUAKE

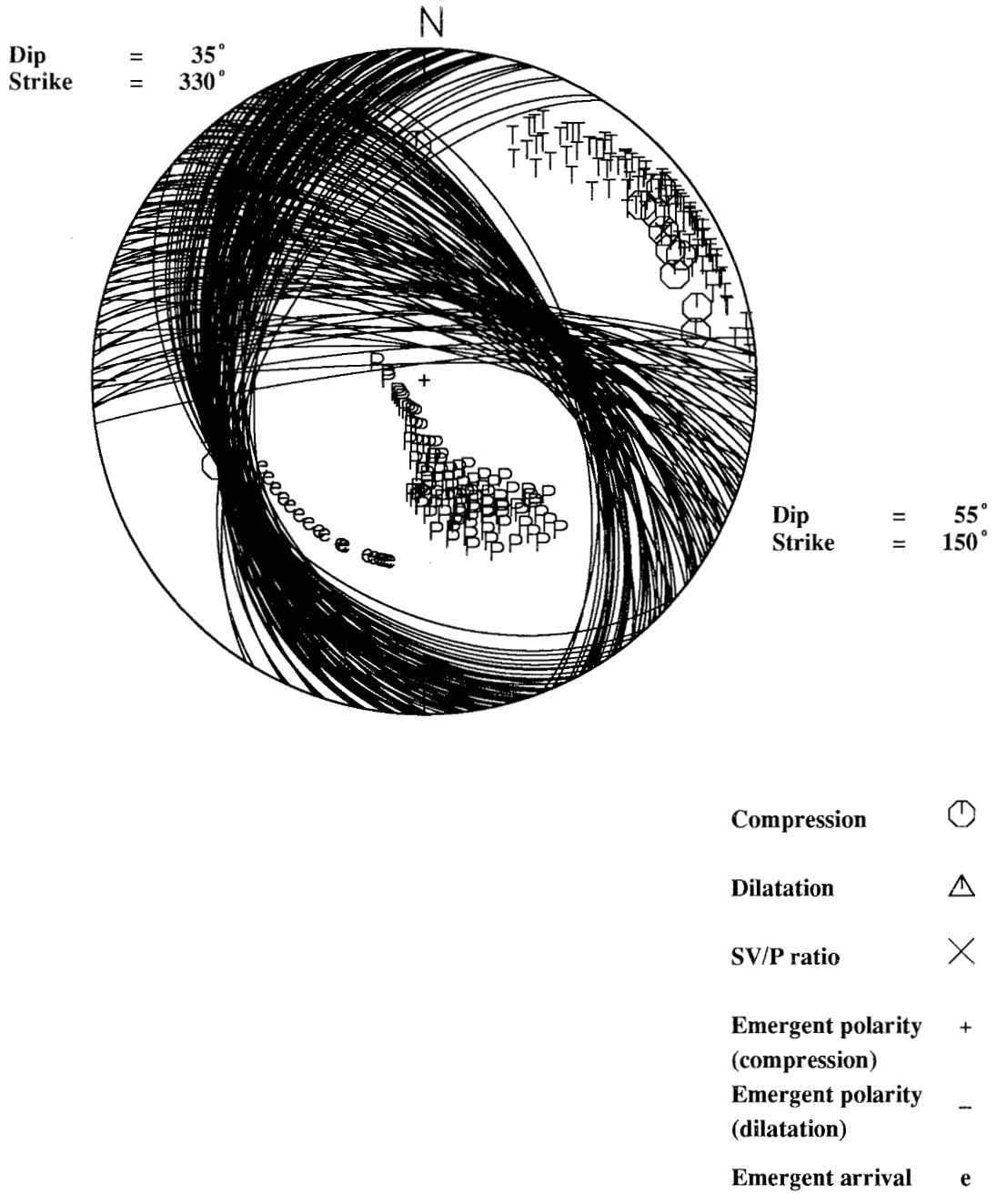


Figure A1.3. Equal area projection of the upper focal hemisphere for the Penzance earthquake of 10 November 1996 09:28 UTC 3.8 ML. The axes of maximum and minimum compressive stress are denoted by P and T respectively.

APPENDIX A2

SHREWSBURY EARTHQUAKE, 7 MARCH 1996

PARAMETERS

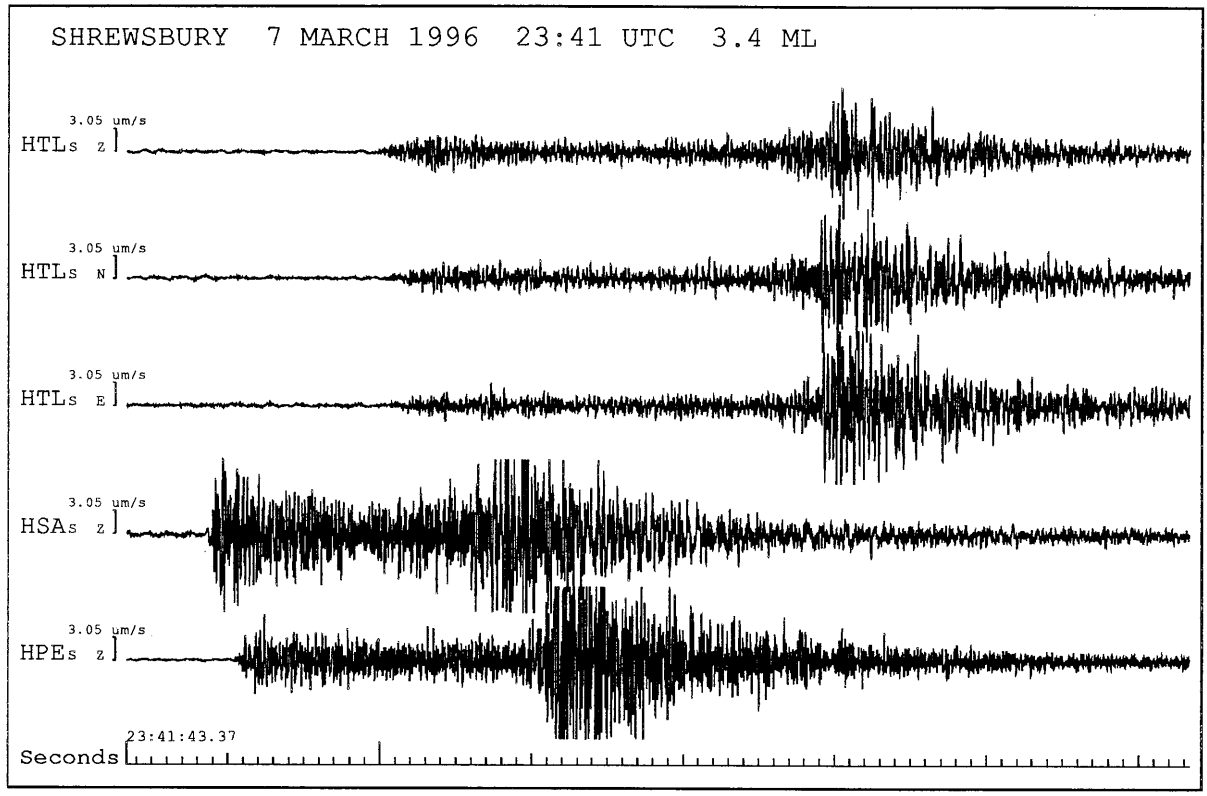
Date:	**7 March 1996**
Origin Time:	**23:41 24.2 UTC**
Latitude and longitude:	**52.79° N 2.74° W**
Grid Reference:	**349.9 km E 322.3 km N**
Depth:	**10.6 km**
Magnitude:	**3.4 ML**
Hypo Solution Quality:	**B (A*C)**
Epicentral Error (1 std. dev.):	**1.3 km**
Depth Error (1 std. dev.):	**5.6 km**

Discussion

On 7 March, an earthquake, with a magnitude of 3.4 ML, was located approximately 9 km north of Shrewsbury in Shropshire. It was felt throughout Shrewsbury, Telford, Oswestry and in many surrounding villages. Felt reports described "vibrations like a heavy vehicle had crashed into the house" and "a violent shuddering"; a few reports of minor damage (cracked plaster) were also received. The earthquake was felt over an area of 3000 km^2. A macroseismic survey throughout the region indicated a maximum intensity of 5 EMS in the epicentral area.

Input to the focal mechanism procedure consisted of 13 impulsive P-polarities, (12 compressional and 1 dilatational). No SV/P amplitude ratios were used owing to signal saturation at the nearest stations. A poorly constrained fault plane solution was obtained and shows dominant normal faulting on planes striking NW-SE and dipping NE or SW.

Seismograms recorded by the BGS networks in north Devon/south Wales and around Keyworth are shown in Figure A2.1, an isoseismal map in Figure A2.2 and a fault plane solution in Figure A2.3.



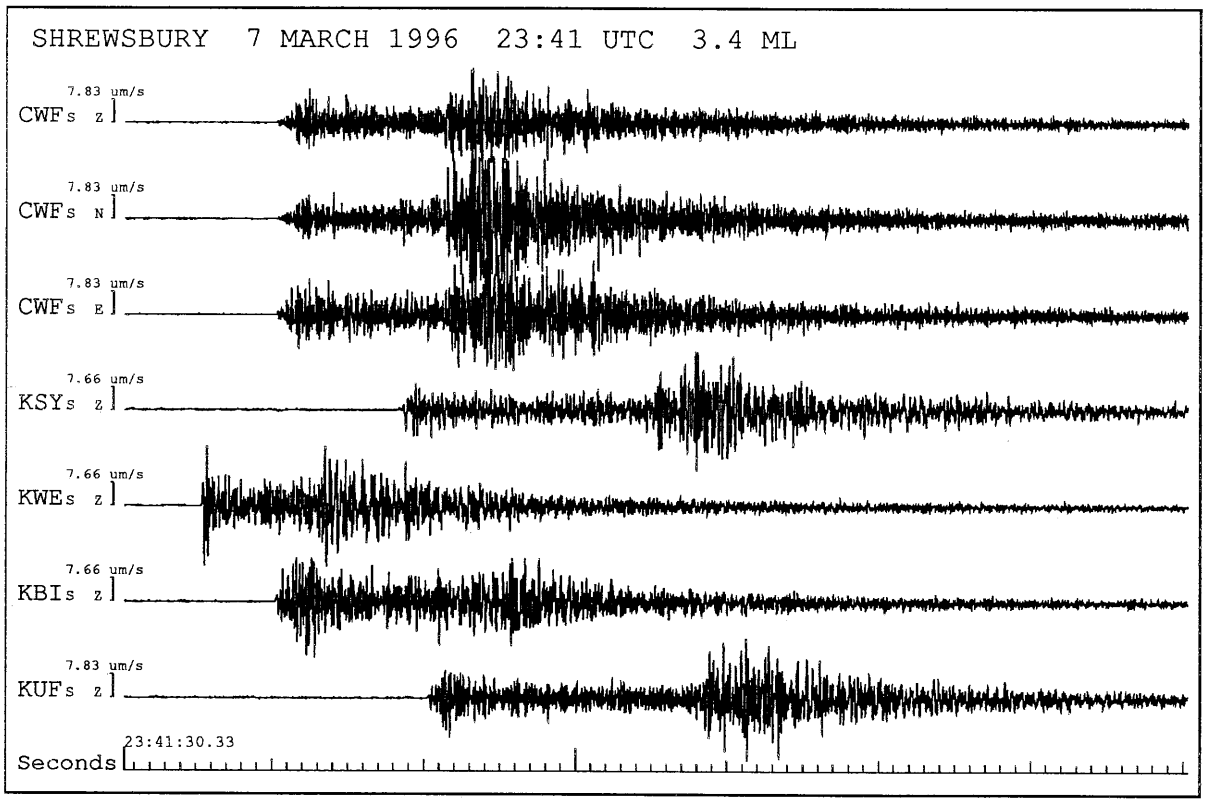


Figure A2.1. Seismograms of the Shrewsbury earthquake 7 March 1996 23:41 UTC 3.4 ML recorded on the north Devon/south Wales and Keyworth networks.

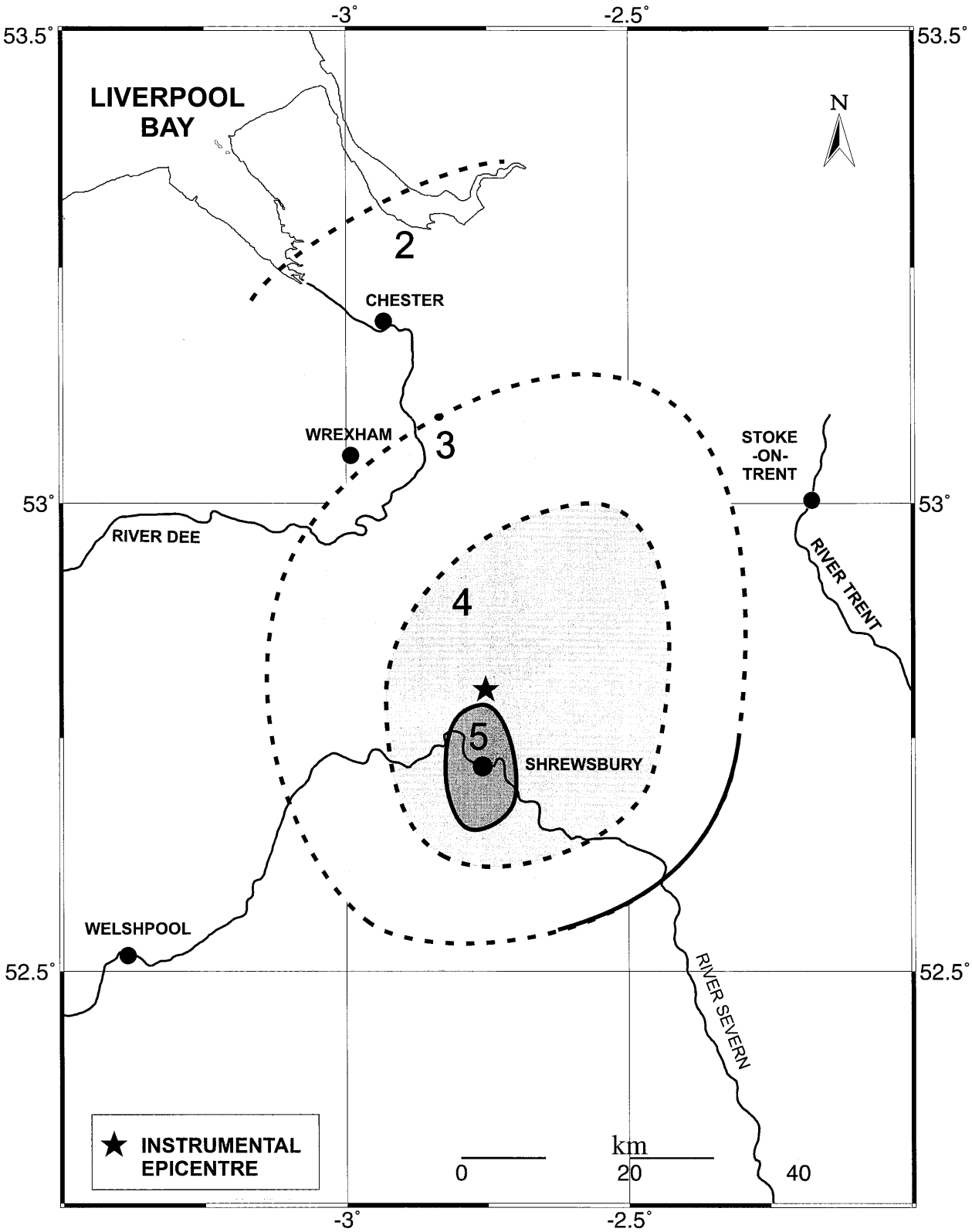


Figure A2.2. Shrewsbury Earthquake 7th March 1996, 23:41 UTC (3.4 ML) - EMS Intensities

FAULT PLANE SOLUTION : SHREWSBURY EARTHQUAKE

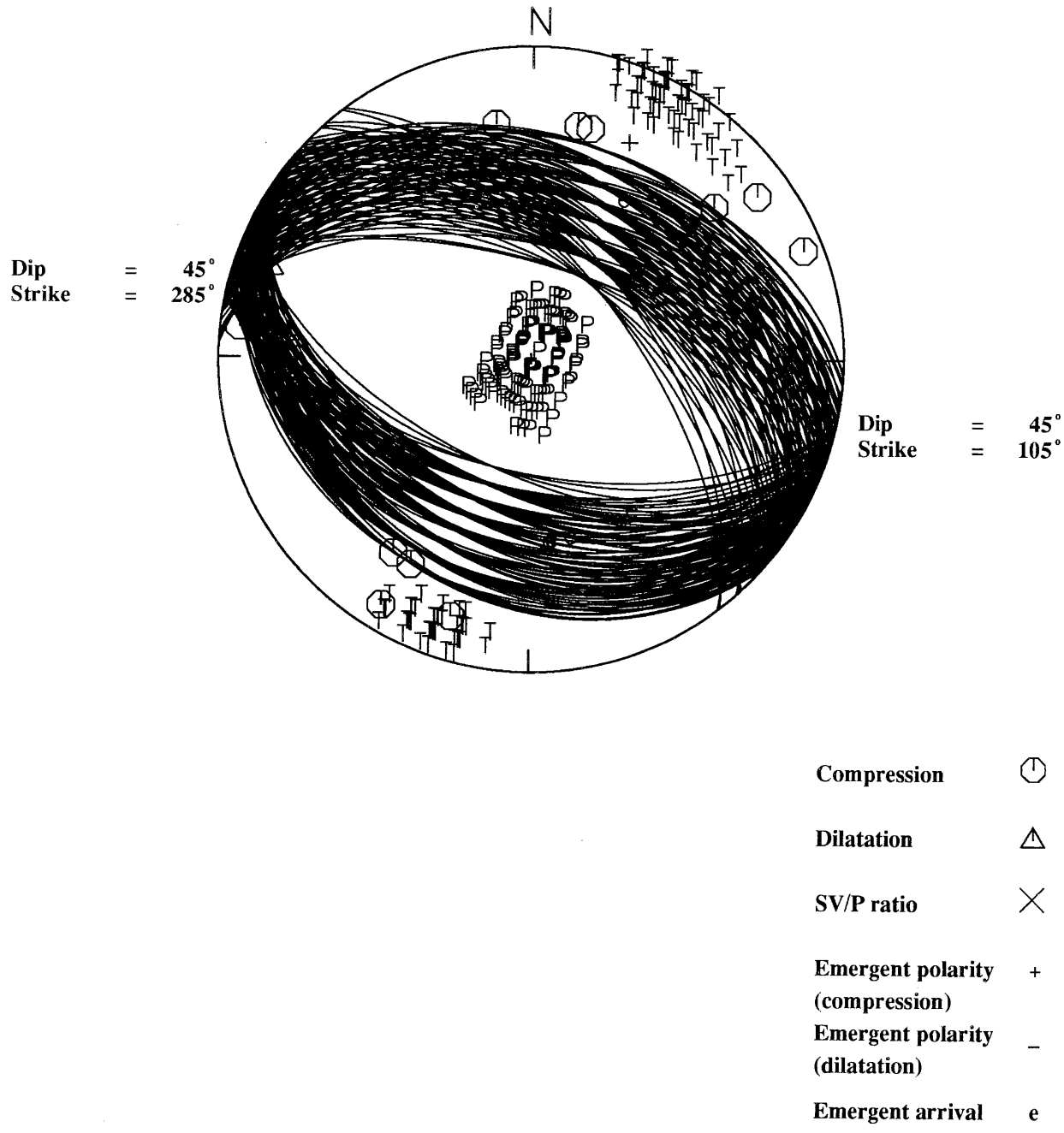


Figure A2.3. Equal area projection of the upper focal hemisphere for the Shrewsbury earthquake of 7 March 1996 23:41 UTC 3.4 ML. The axes of maximum and minimum compressive stress are denoted by P and T respectively.

APPENDIX A3

STOKE-ON-TRENT EARTHQUAKE, 6 MAY 1996

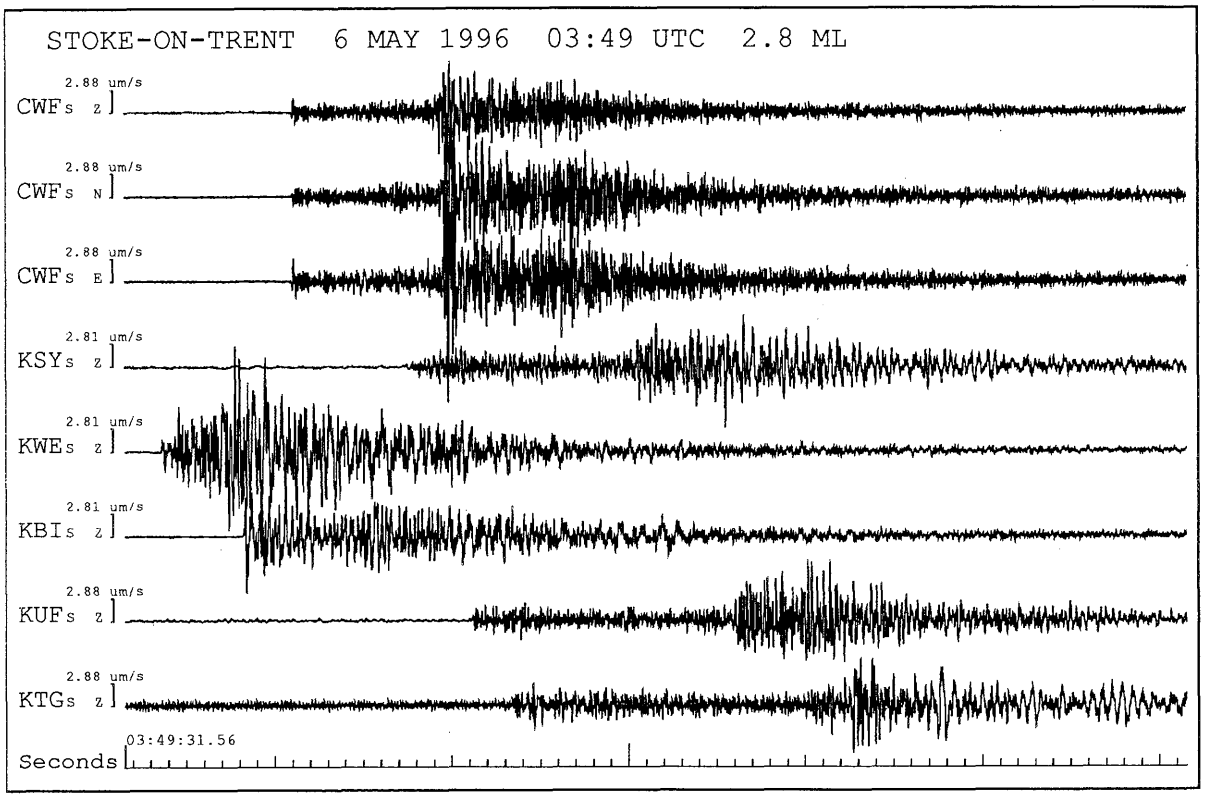
PARAMETERS

Date:	**6 May 1996**
Origin Time:	**03:49 29.1 UTC**
Latitude and longitude:	**53.04° N 2.20° W**
Grid Reference:	**386.6 km E 348.8 km N**
Depth:	**2.6 km**
Magnitude:	**2.8 ML**
Hypo Solution Quality:	**B (A*C)**
Epicentral Error (1 std. dev.):	**1.1 km**
Depth Error (1 std. dev.):	**3.8 km**

Discussion

Seven earthquakes were located in the Stoke-on-Trent area during 1996. They had magnitudes ranging between 1.2 and 2.8 ML. The largest was reported to be felt throughout the Stoke-on-Trent area, where many residents were awakened from sleep and felt reports described a "rumble and a bang". A macroseismic survey throughout the region showed that the maximum intensity was 4 EMS and the felt area was over 900 km^2. In this area coalmining was abandoned in the late 1980s, but, since that time, sporadic outbursts of seismic activity have occurred; eg the recent series in February 1995, where six events with magnitudes ranging between 1.7 and 2.5 ML, were felt by local residents in four days.

Seismograms recorded by the BGS networks in Keyworth and North Wales are shown in Figure A3.1 and an isoseismal map in Figure A3.2.



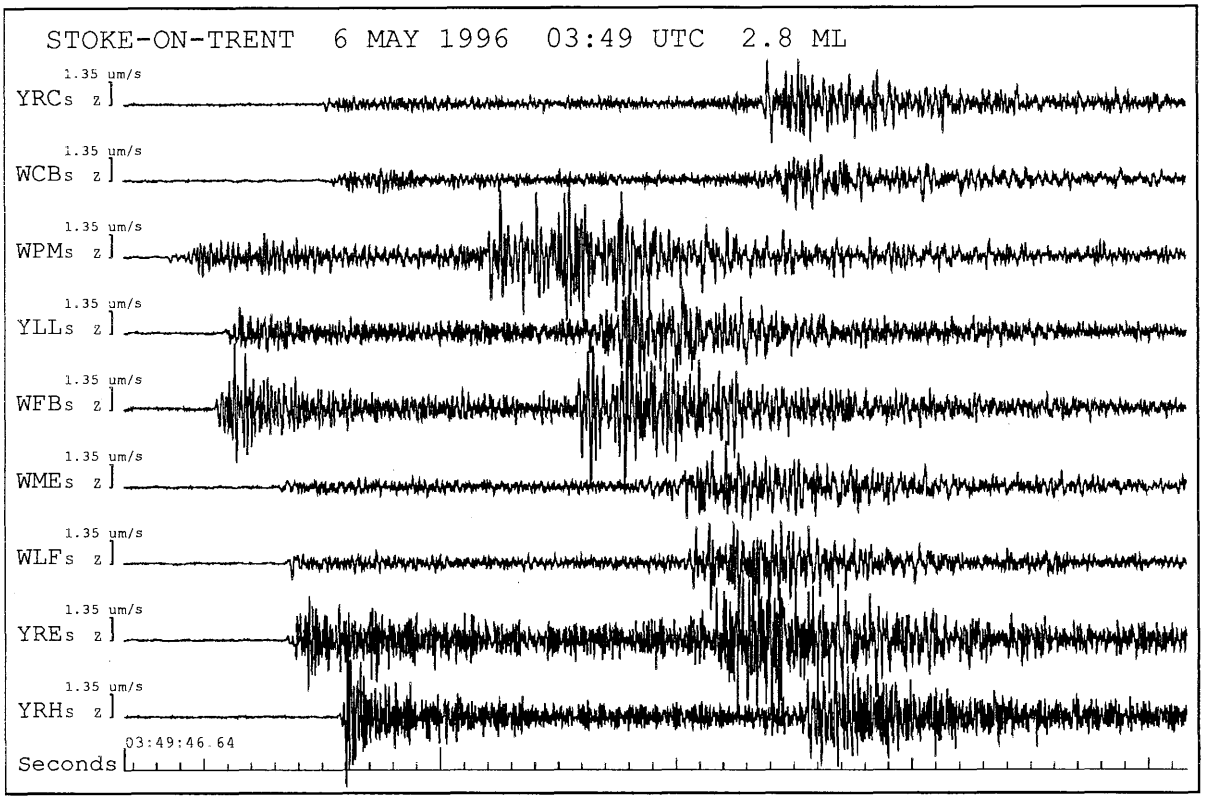


Figure A3.1. Seismograms of the Stoke-on-Trent earthquake 6 May 1996 03:49 UTC 2.8 ML recorded on the Keyworth and North Wales networks.

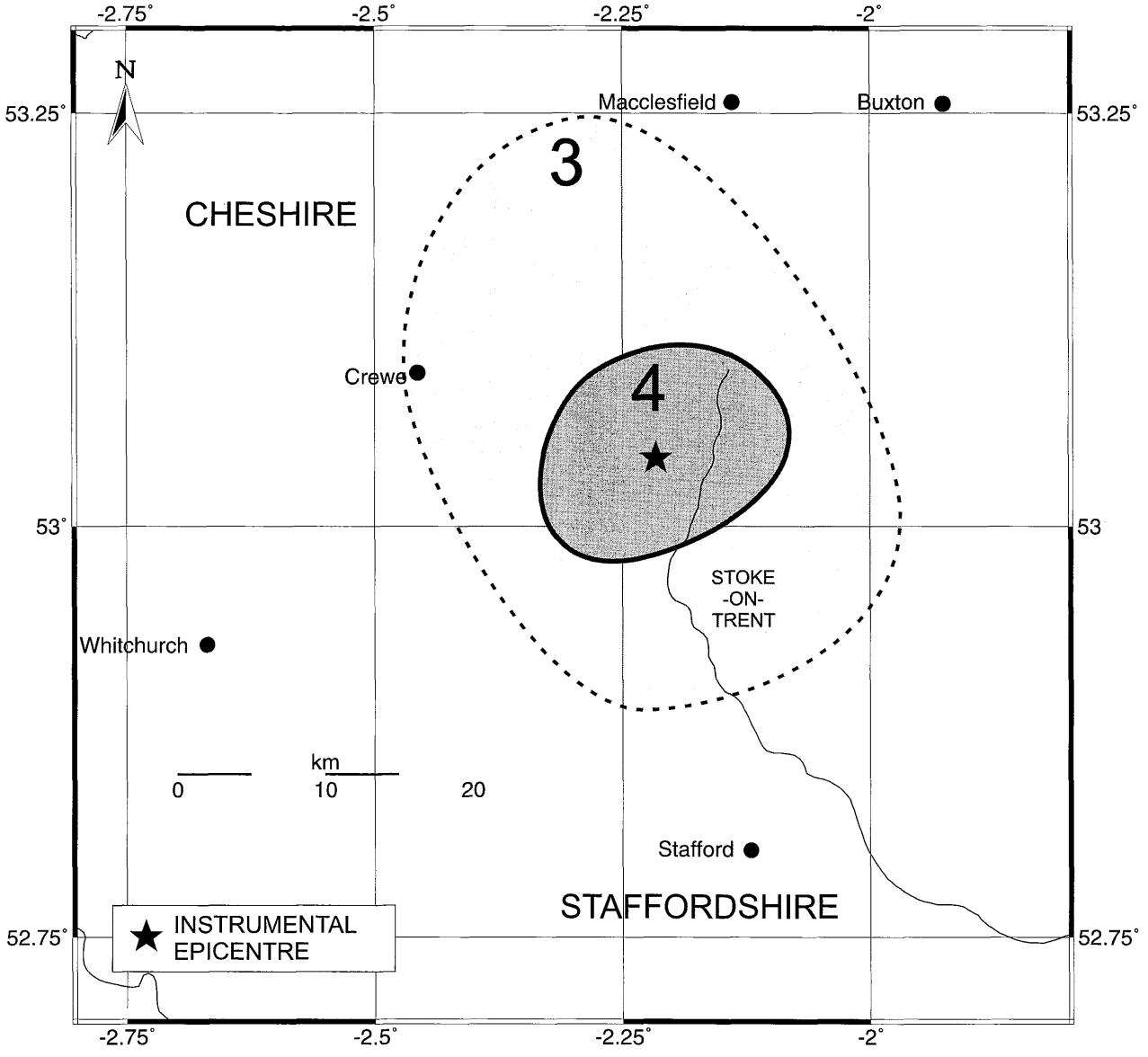


Figure A3.2. Stoke-on-Trent Earthquake 6th May 1996, 03:49 UTC (2.8 ML) - EMS Intensities

APPENDIX A4

LLANDRINDOD WELLS EARTHQUAKE, 20 SEPTEMBER 1996

PARAMETERS

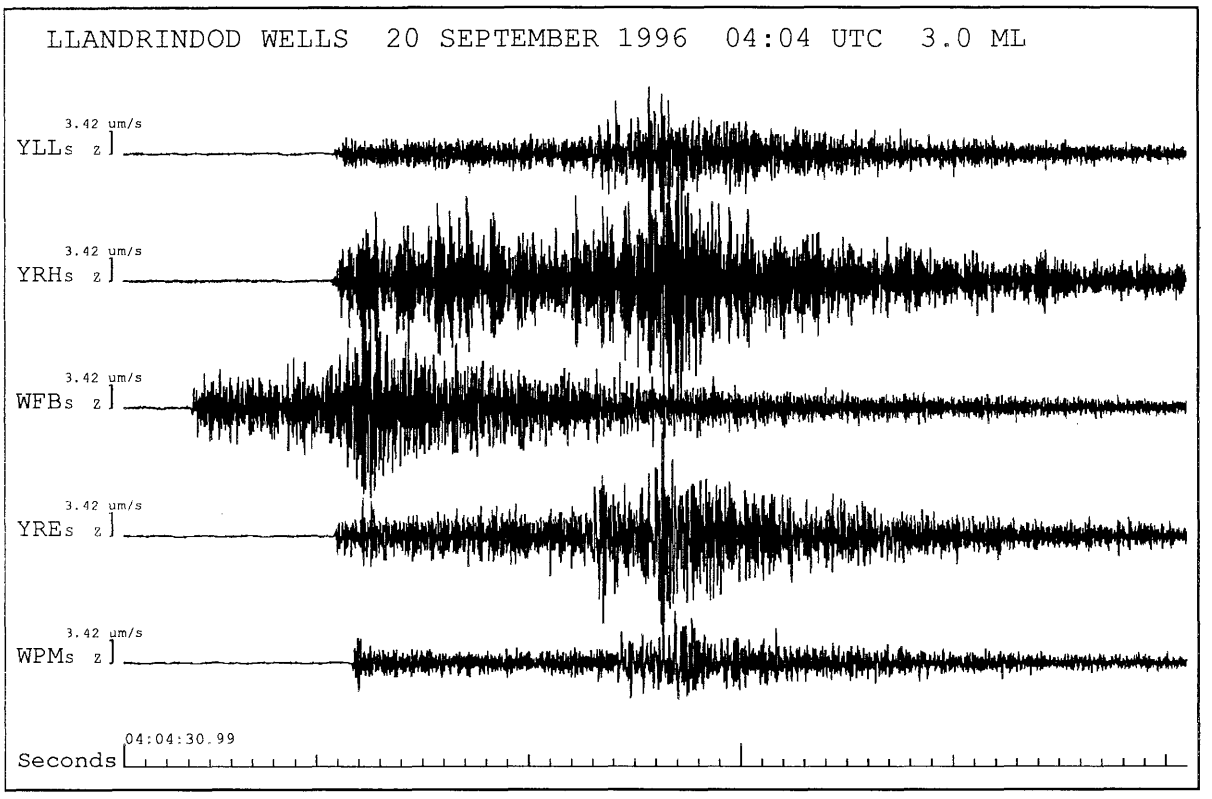
Date:	**20 September 1996**
Origin Time:	**04:04 23.4 UTC**
Latitude and longitude:	**52.32° N 3.33° W**
Grid Reference:	**309.4 km E 269.7 km N**
Depth:	**14.4 km**
Magnitude:	**3.0 ML**
Hypo Solution Quality:	**B (A*B)**
Epicentral Error (1 std. dev.):	**1.6 km**
Depth Error (1 std. dev.):	**2.4 km**

Discussion

An earthquake, with a magnitude of 3.0 ML, occurred on 20 September at Llanddewi Ystradenni, approximately 9 km NNE of Llandrindod Wells. The event was felt by local residents in Llandrindod Wells, Knighton, Rhayader, Builth Wells and in the village of Llanbister. Felt reports described "a shudder" and "the whole house shook and windows rattled" indicating an intensity of at least 4 EMS. No macroseismic survey was carried out owing to the few reports received from each of the villages.

Input to the focal mechanism procedure, from BGS and two AWE stations, consisted of 14 impulsive polarities (4 compressional and 10 dilatational) together with a SV/P amplitude ratio from the low-gain station, some 23 km west of Hereford. The fault plane analysis shows many possible solutions. These indicate a NW-SE maximum compressive stress direction, which is consistent with that generally observed for Britain.

Seismograms recorded by the BGS networks in North Wales and Swindon are shown in Figure A4.1 and the fault plane solution in Figure A4.2.



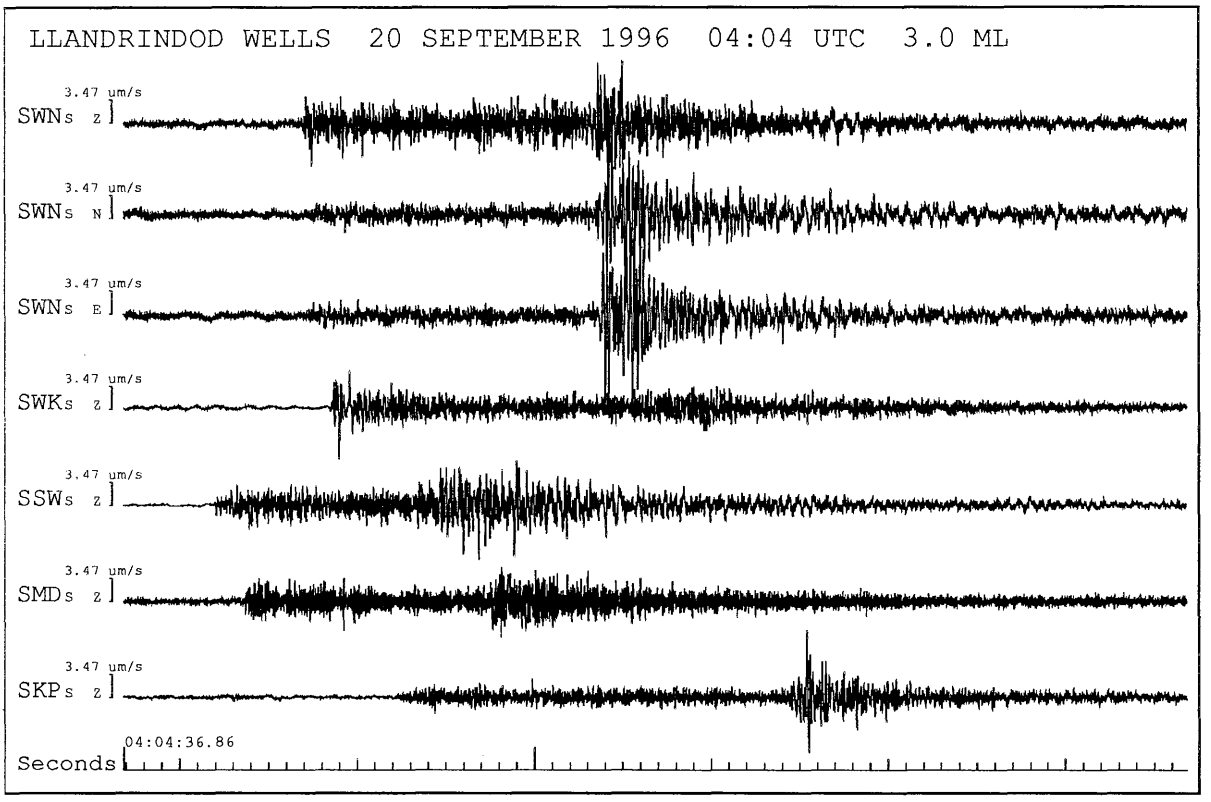
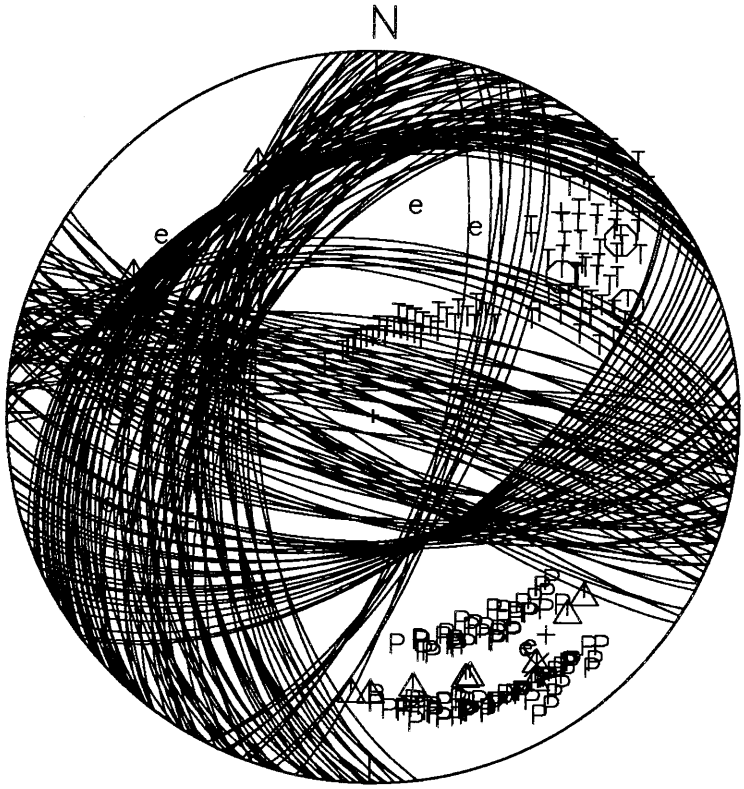


Figure A4.1. Seismograms of the Llandrindod Wells earthquake 20 September 1996 04:04 UTC 3.0 ML recorded on the North Wales and Swindon networks.

FAULT PLANE SOLUTION : LLANDRINDOD WELLS EARTHQUAKE



Compression	⏀
Dilatation	△
SV/P ratio	×
Emergent polarity (compression)	+
Emergent polarity (dilatation)	–
Emergent arrival	e

Figure A4.2. Equal area projection of the upper focal hemisphere for the Llandrindod Wells earthquake of 20 September 1996 04:04 UTC 3.0 ML.The axes of maximum and minimum compressive stress are denoted by P and T respectively.

APPENDIX A5

MUSSELBURGH EARTHQUAKE, 25 OCTOBER 1996

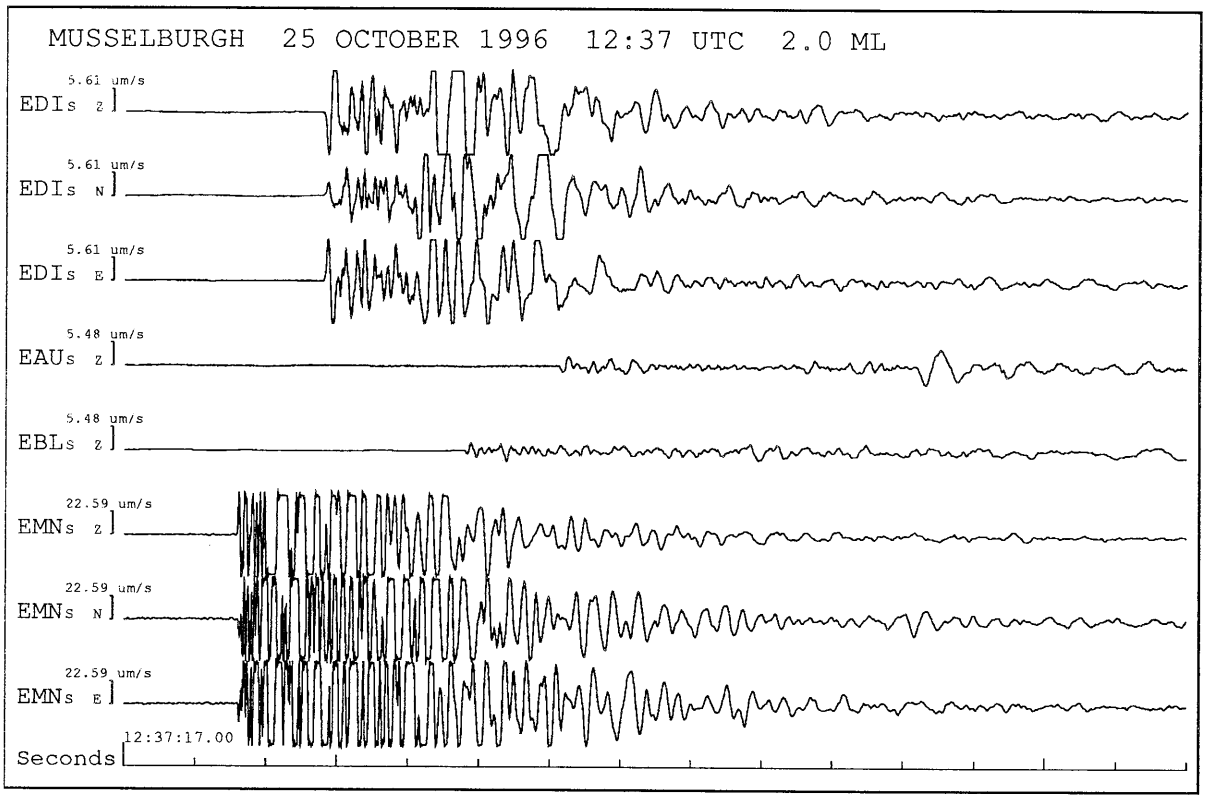
PARAMETERS

Date:	**25 October 1996**
Origin Time:	**12:37 18.1 UTC**
Latitude and longitude:	**55.93° N 3.08° W**
Grid Reference:	**332.3 km E 671.7 km N**
Depth:	**1.5 km**
Magnitude:	**2.0 ML**
Hypo Solution Quality:	**C (A*D)**
Epicentral Error (1 std. dev.):	**0.9 km**
Depth Error (1 std. dev.):	**0.5 km**

Discussion

During October and early November, a series of events (37 were located a further 73 were recorded on one station near the epicentre) occurred in the Musselburgh/Newcraighall area, to the east of Edinburgh. The largest event, with a magnitude of 2.0 ML, occurred on 25 October and was felt with intensities of at least 5 EMS. Information directly from local residents and through the completion of macroseismic questionnaires, distributed by BGS and published in local newspapers, have shown that the events were felt, generally, up to 2 km from the epicentre and in some cases up to 3 km. Twenty-two events in the series were felt by local residents who described the effects as being like "a heavy lorry passing outside". Additional instruments were installed in the area and the results showed that the pattern (most events occurring in the working week) and location of the activity was a consequence of mining at Monktonhall colliery. The two most likely causes of these events are: the undermining and subsidence of old workings with void and pillar collapses and shearing in strained rock layers; or the bridging, and subsequent breaking during subsidence, of a strong rock layer between the mine and the surface (in this case, 900 metres above).

Seismograms recorded by the BGS networks in the Scottish Lowlands (LOWNET) and Borders are shown in Figure A5.1, maps of the felt areas from four of the largest events in the series in Figure A5.2 and a histogram, with number of events against day of the week, in Figure A5.3.



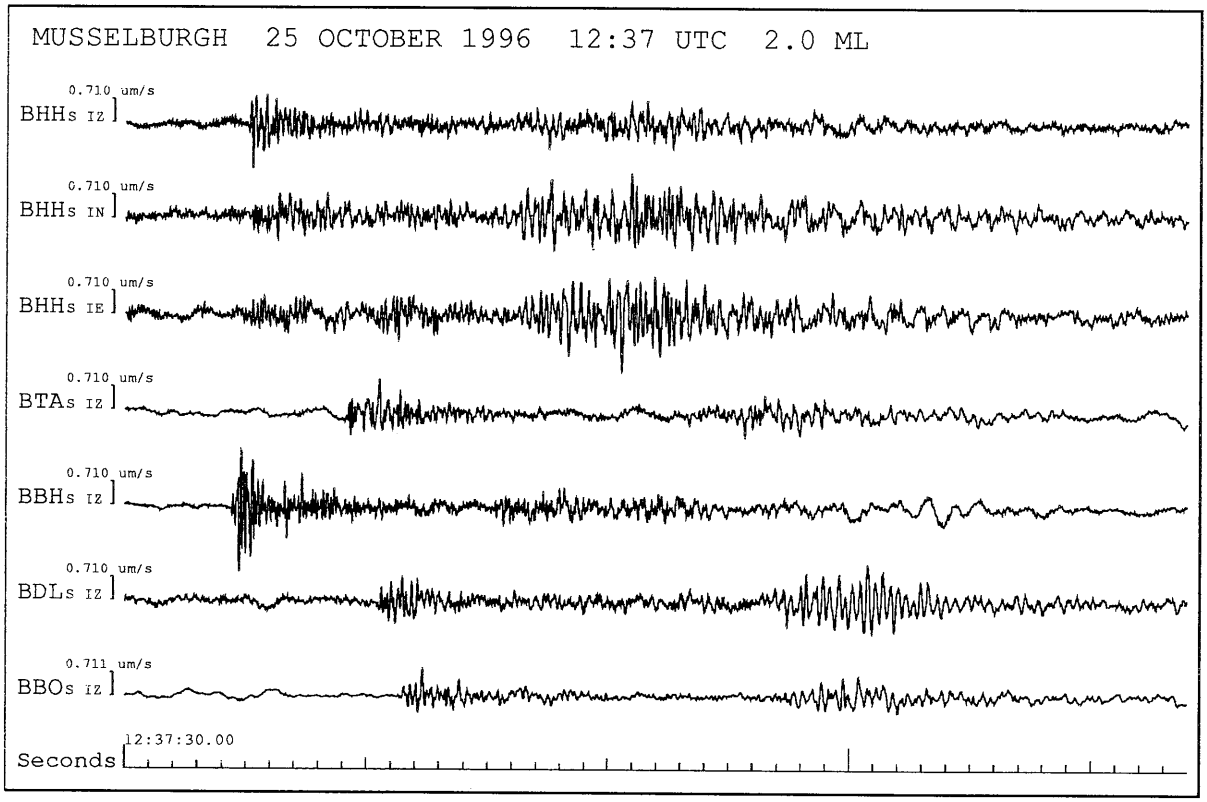
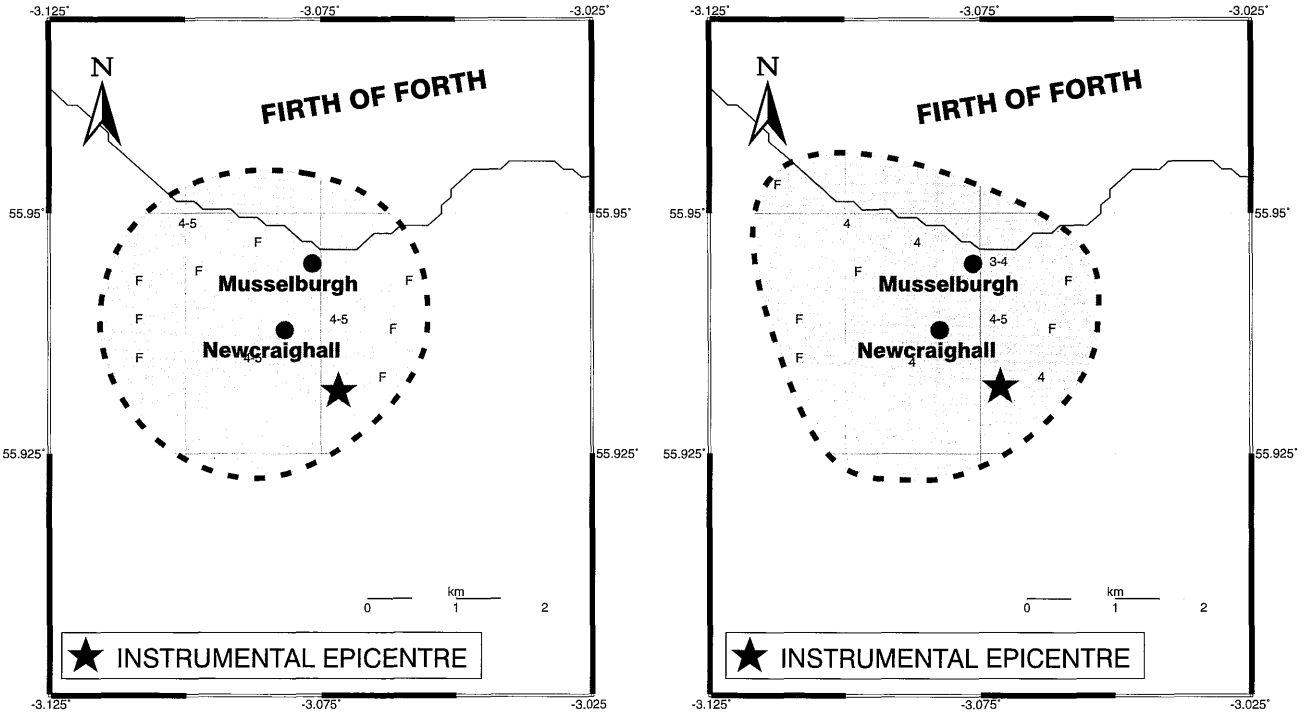
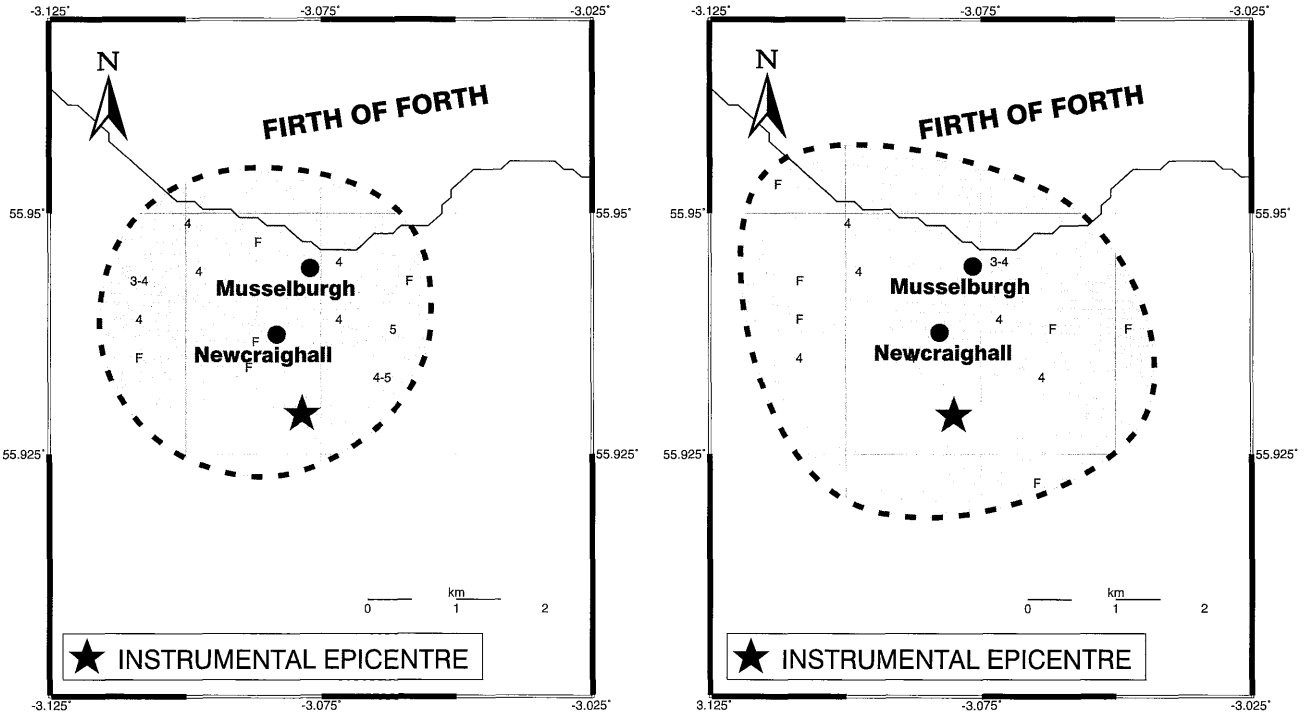


Figure A5.1. Seismograms of the Musselburgh earthquake 25 October 1996 12:37 UTC 2.0 ML recorded on the Lowlands (around Edinburgh) and Borders networks.



14th October 1996, 21:52 UTC (1.6ML)

21st October 1996, 11:26 UTC (1.9ML)



25th October 1996, 12:37 UTC (2.0ML)

28th October 1996, 20:36 UTC (1.9ML)

Figure A5.2. Felt areas of the four largest events in the series (EMS Intensities)

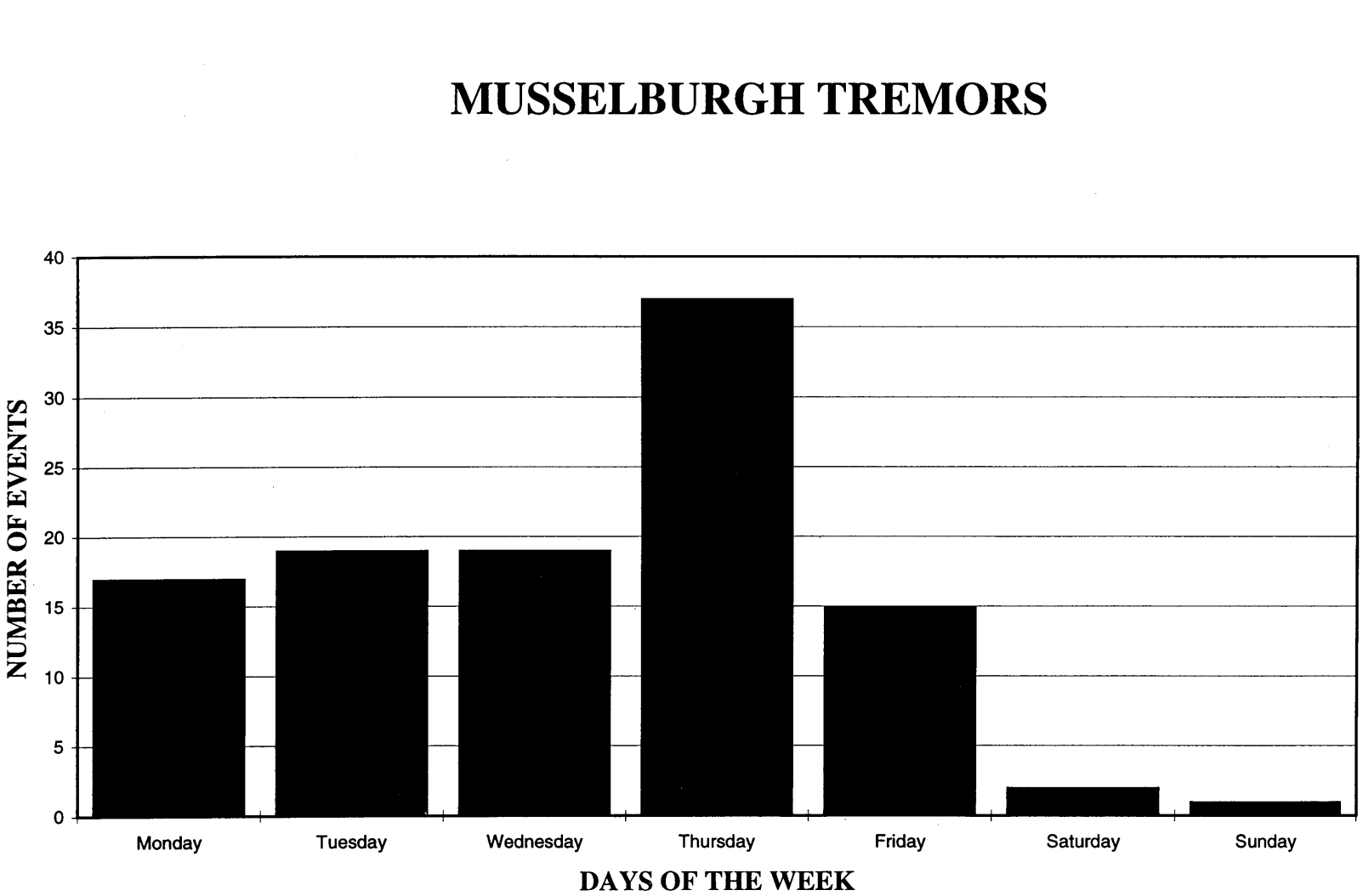


Figure A5.3. Histogram of cumulative number of Musselburgh events in 1996 against day of the week.

APPENDIX B

EARTHQUAKE INFORMATION CHARGES

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. £70.00 for first hour and £35.00 for each additional ½ hour. Note: charges can be waived for the public, media and schools.	**£70.00 + VAT**
A search and interpretation of raw macroseismic data (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.

BULLETIN 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**

BULLETIN OF BRITISH EARTHQUAKES: PRICE LIST	COST (£)
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.,1992. **Bulletin of British Earthquakes 1991.** BGS Global Seismology Report No. WL/92/29.	**£12.50 + pp**
Walker, A.B., et al., 1993. **Bulletin of British Earthquakes 1992.** BGS Global Seismology Report No. WL/93/11.	**£12.50 + pp**
Musson, R.M.W., 1994. **A Catalogue of British earthquakes**. BGS Global Seismology Report No. WL/94/04.	**£15.00 + pp**
Walker, A.B., et al., 1994. **Bulletin of British Earthquakes 1993.** BGS Global Seismology Report No. WL/94/09.	**£12.50 + pp**
Walker, A.B., et al., 1995. **Bulletin of British Earthquakes 1994.** BGS Global Seismology Report No. WL/95/04.	**£12.50 + pp**
Walker, A.B., et al., 1996. **Bulletin of British Earthquakes 1995.** BGS Global Seismology Report No. WL/96/04.	**£12.50 + pp**

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

APPENDIX C

EUROPEAN MACROSEISMIC SCALE (EMS 92)

APPENDIX C

SYNOPSIS OF EMS-92 INTENSITY SCALE

1 - Not felt
Not felt, even under the most favourable circumstances.

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

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

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

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

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

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

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

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

10 - Very destructive
Many ordinary buildings collapse.

11 - Devastating
Most ordinary buildings collapse.

12 - Completely devastating
Practically all structures above and below ground are heavily damaged or destroyed.

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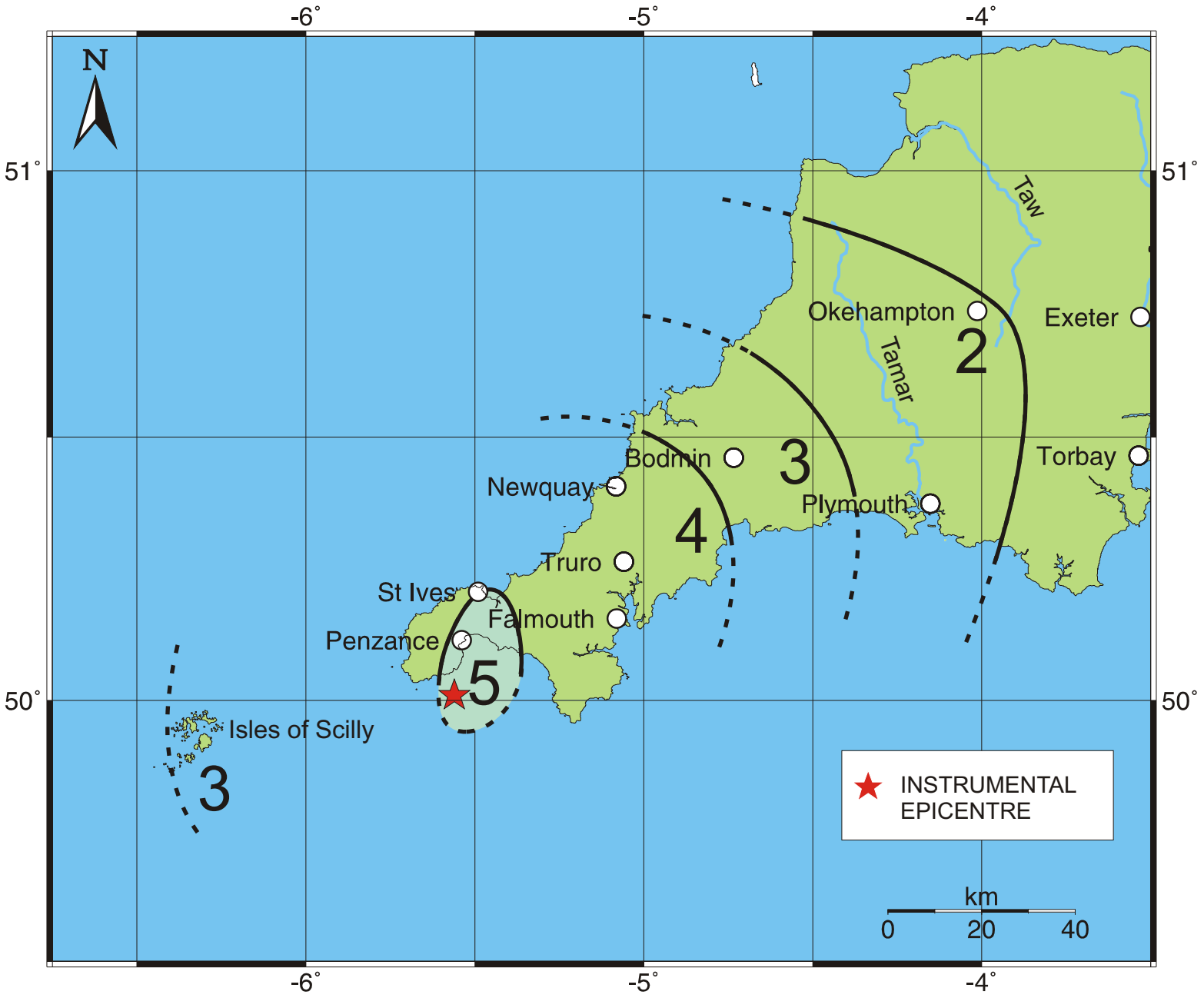
A complete description of the EMS-92 scale is given in:
Grunthal, G.,(Ed) 1993. European Macroseismic scale 1992 (up-dated MSK-scale). Cahiers du Centre European de Geodynamique et de Seismologie. **Vol 7.**



Natural Environment Research Council

Penzance Earthquake 10th November 1996, 09:28 UTC (3.8ML) - EMS Intensities