

GLOBAL SEISMOLOGY UNIT

Report No 210

Catalogue of British Earthquakes
recorded by the BGS Seismograph
Network 1979, 1980, 1981.

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T. Turbitt (Editor)

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CATALOGUE OF BRITISH EARTHQUAKES RECORDED BY THE BGS
SEISMOGRAPH NETWORK 1979, 1980 AND 1981

1. Introduction

Earthquakes detected and located by BGS in the years 1979, 1980 and 1981 are listed and mapped in the catalogue. The land areas of Great Britain and Northern Ireland and their coastal waters, including the North Sea, are covered within the limits of the detection capabilities of the seismograph network. The expansion of the network with time and its associated effects on detection threshold and uncertainties in location accuracy are discussed and illustrated.

This catalogue continues on from the LOWNET (1967-1978) catalogue of Burton & Neilson (1980).

2. Catalogue Format

2.1 Tables

Hypocentral parameters, for each earthquake, are tabulated under the headings:

Date	- day, month, year.
Origin Time	- hours, minutes, seconds.
Latitude	- positive North.
Longitude	- positive East.
Grid Reference	- in km east and north of National Grid origin, near the Scilly Isles.
Depth	- Hypocentral depth in km, blank indicates depth unknown.
Magnitude	- Richter local (ML) or body-wave (MB) magnitude.
Place	- A geographical indication of the epicentral region, usually the nearest town. 'C' denotes

	Midlothian or Fife coalfield.
Int (Io)	- Maximum felt intensity on the Modified Mercalli scale, when known. 3+ indicates that the earthquake was reported as felt.
Felt Area	- The area in square km enclosed by the MM3 isoseismal.

The earthquakes have been arranged into three tables:

TABLE 1 is a chronological listing of all earthquakes for which a reliable epicentral location could be obtained.

TABLE 2 is a listing of the events in Table 1 arranged in order of decreasing latitude to facilitate identification of the earthquakes in selected regions.

TABLE 3 is a chronological listing of events which, although detected by the seismograph network, had arrival patterns too weak to permit the computation of reliable locations. An indication of the estimated epicentre is given but errors could be very large. These events are not included in Tables 1 or 2.

2.2 Maps

Data from Table 1 is also presented in the maps for the regions described below for the years 1979, 1980 and 1981:

Fig 2 United Kingdom.

Fig 3 North Sea.

Fig 4 Scotland, including Kintail and Ochil Hills series and Midlothian coalfield.

Fig 5 Northern England including Carlisle and N Staffordshire

Fig 6 Wales and SW England, including Newport and Constantine events.

Fig 7 Seismicity map for UK showing all events of magnitude 2.5 ML and above.

3. The BGS Seismograph Network

3.1 Instrumentation

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

A more detailed description of the system is given by Browitt (1979) and the response of the instruments is described by Turbitt and Stewart (1982).

At some locations, on-line paper chart recorders display 3-channels to permit rapid investigation of reported felt tremors.

3.2 Geographical Coverage of the Network

In 1969, the then Institute of Geological Sciences (IGS, now BGS), established LOWNET, a network of seismographs across the Lowland Valley of Scotland (Crampin, 1970). By 1978 further stations had been installed near Kyle, Leicester, Leeds, Hereford and Stoke and during the years 1979 to 1981 these networks were supplemented by instruments in Shetland, Moray Firth, Wales, East Anglia, Devon, Cornwall and the North Sea (Beryl). In the same period the Institute of Advanced Studies in Dublin deployed similar instruments in Ireland. A temporary network was installed near Longtown in Cumbria and operated from 29 December 1979 to 23 March 1981 to study the aftershock sequence of the "Carlisle" earthquake.

This has enabled small earthquakes in areas remote from

Edinburgh to be recorded, providing a more complete picture of short-term British seismicity. Figure 1 shows the expansion of the network each year.

Geographical coordinates of the sites are listed in Table 4.

3.3 Detection Threshold

To obtain an estimate of the detection capabilities of the network an earthquake was considered detected when its signal exceeded twice the background noise level on three or more seismographs. Background noise, generated by atmospheric conditions, waves, streams, traffic, cattle etc., varies in amplitude at British seismograph sites from about 0.5 to 15 nanometres, at the typical signal frequency of 10Hz.

At a given range a threshold magnitude was determined, below which an earthquake would not be detected. These threshold magnitudes are plotted as contours on Figure 1, illustrating the increased detection capabilities with the expansion of the network.

The detection contours plotted in Figure 1 hold true only if all stations are continuously monitored and this is not always the case. Small events in unmonitored areas may then go undetected unless felt and reported to BGS by local inhabitants. The detection capabilities by this process are strongly dependent on population density with the consequence that areas such as the Scottish Highlands have a high threshold magnitude at times when local networks are not monitored.

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. Almost all instrumental locations in the catalogue were obtained using the computer program HYP071 (Lee and Lahr, 1975) which iteratively adjusts a trial epicentre (latitude, longitude, depth and origin time) until the observed and computed arrival times coincide closely.

The accuracy of location is dependent on distances from the closest stations, the distribution of the stations around the epicentre and the accuracy with which the seismic wave velocity through the earth can be modelled.

The general velocity model used is given in Table 5 and was derived from a series of refraction profiles traversing Britain, LISPB (Bamford et al., 1976, Bamford et al., 1978, Assumpcao & Bamford, 1978). However, for some localised areas of activity, different models have been employed and these are explained in detail in BGS reports on the particular series.

Epicentral errors from the uncertainties discussed above range from 1 km for the Constantine series (Feb 1981) within the Cornwall network to 5km for the Carlisle mainshock (Dec 1979) where LOWNET was the nearest network some 80 km away. For North Sea events where the nearest stations can be hundreds of kilometres away and poorly distributed in azimuth, errors may be 40 km or more.

4.2 Depth Determination

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

The best depth determinations have been obtained when a series occurred almost beneath a network as with Constantine and the Carlisle aftershocks where the error is about 2 km. Tremors in the Midlothian coalfield usually have small depth errors due to the proximity of LOWNET stations and can be seen to lie in the first one or two kilometres near the coal workings.

For events at larger distances depth errors may be up to tens of kilometres.

4.3 Seismicity Distribution

Owing to variability in the earthquake detection threshold, which is governed by the ambient noise conditions and the geometry of the observing network (see 3.3 above) the catalogue is biased towards certain localities. In order to present a consistent picture of UK seismic activity for the period, earthquakes with magnitude 2.5 ML or greater have been plotted in Figure 7. The data set is considered to be complete for these magnitudes in all localities.

4.4 Magnitude

Almost all earthquakes in the catalogue have been assigned a local magnitude (ML) as defined by Richter (1935). This has been measured by calculating the equivalent centre to peak displacement on a Wood-Anderson seismometer and applying a distance correction as determined by Richter for California. The scale is logarithmic so that an increase of one point corresponds to a tenfold increase in ground motion or about thirty fold in source energy.

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 at a seismograph varies with site conditions and direction from the earthquake, and for this reason, it is important to take the mean from a good distribution of stations. The resulting error on magnitudes quoted in the catalogue will normally be less than 0.4 ML.

For distances greater than 600 km, where Richter's distance correction does not apply, a body-wave magnitude (MB) is quoted. This has been calculated as MB* according to the formula described by Jacob and Willmore (1972) and is not directly equivalent to ML.

4.5 Intensity

Intensity is a measure of the effect of the shaking on people, structures and objects at a locality. It decreases with distance from a maximum value (I_0) usually found close to the epicentre. The maximum felt intensity is quoted, where known, using the Modified Mercalli scale, 1956 version (Table 6; Richter, 1958) or the equivalent MSK scale (Medvedev et al, 1964).

5. Catalogue Content and Completeness

5.1 The Geographical Area

The catalogue covers all of the UK land mass and its coastal waters including the North Sea. Strict geographical boundaries have not been defined but events have not been included if they would normally appear in other catalogues, e.g. European events. The Norwegian Sea and the Norwegian sector of the North Sea are exceptions to this because of the special economic interest in the oil-producing areas.

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 the coal workings and are caused by the redistribution of stress as the coal is extracted.

The apparently high seismic activity near Edinburgh and Stoke-on-Trent is due to coal mining and similar concentrations might be observed in other coalfields if they were as closely monitored.

5.3 Events excluded

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

Acoustic disturbances, such as sonic booms from supersonic air-craft are also excluded although they are often reported as earthquakes. These are more readily identified by their relatively slow travel time across an array.

5.4 Completeness

It can be seen from the contours of Figure 1 that in 1979, the whole of the UK was covered by the seismograph network for events of magnitude 2.0 ML (2.8 on a noisy day) and above except for the tip of Cornwall and the Shetland Islands. Normally, however, an earthquake of this size would be felt, if

not detected, in these areas so it can be assumed that the catalogue is probably complete for all earthquakes of magnitude 2.5 and above for 1979.

With the addition of the Welsh and further Shetland stations the catalogue for 1980 is complete for everything above magnitude 2.4 and for 1981, with the addition of the SW England and Jersey stations, all events above 2.0 should be included except, perhaps, for a very small part of SE England on a noisy day.

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Table 1 : British earthquakes 1979, 1980, 1981, listed chronologically

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid KmE	ref KmN	Depth Kms	Mag	Place	Int lo	Felt area Sq Kms
281078	22:36	55.8	52.34	-2.65	356 272		2.0ML	LUDLOW AREA		
161178	23:22		51.75	-3.27	312 207		1.0ML	MERTHYR TYD.		
271178	03:24	23.5	52.08	-3.26	314 243		0.6ML	HAY ON WYE		
120179	20:46	15.1	55.93	-3.07	333 671	0	0.7ML	MIDLOTHIAN C		
140179	03:46	29.0	56.37	-5.23	201 724	5	1.6ML	SE OF OBAN		
240179	02:50		52.43	-3.75	281 283		2.0ML	PLYNLIMON		
280179	02:06	06.2	55.99	-3.10	331 678	3	-0.2ML	MIDLOTHIAN C		
010279	03:52	47.0	56.05	-3.18	327 685	2	0.4ML	BURNT ISLAND		
020279	19:04	03.0	56.04	-3.12	330 684		1.0ML	MIDLOTHIAN C		
030279	01:33	07.8	55.97	-3.05	334 676	1	0.6ML	MIDLOTHIAN C		
030279	06:45	28.5	55.84	-3.13	329 661		-0.3ML	MIDLOTHIAN C		
070279	03:52	26.5	57.14	-5.32	199 810	0	1.5ML	KINTAIL		
070279	22:30	16.7	56.13	-3.67	296 694	0	0.5ML	S OF DOLLAR		
080279	00:51	45.7	55.72	-5.20	199 652		1.5ML	SOUND BUTE		
080279	17:49	55.8	55.94	-3.09	332 672	0	1.3ML	BRUNSTANE C	4	
080279	17:49	59.1	55.97	-3.09	332 676	5	1.7ML	MIDLOTHIAN C		
080279	17:51	07.6	55.92	-3.10	331 670	1	0.0ML	MIDLOTHIAN C		
080279	17:51	14.3	55.89	-3.11	331 667	2	0.0ML	MIDLOTHIAN C		
140279	21:08	46.8	56.13	-3.66	297 694		0.3ML	S DOLLAR		
150279	23:10		51.60	-2.48	367 189		0.6ML	BRISTOL AREA		
180279	19:26		52.19	-3.48	299 256		1.1ML	BUILTH WELLS		
190279	11:39	32.7	56.25	-3.73	293 708	6	3.2ML	OCHIL HILLS	5	600
190279	19:26	28.5	56.24	-3.75	292 707	3	0.0ML	GLENDEVON		
200279	21:20	37.7	55.93	-3.08	333 671	1	0.2ML	MIDLOTHIAN C		
210279	21:03	30.2	55.92	-3.08	333 670	0	0.1ML	MIDLOTHIAN C		
220279	09:34	50.0	57.56	-5.40	197 857		2.2ML	TORRIDON		
270279	15:36	18.3	56.19	-3.79	289 701	2	0.5ML	OCHIL HILLS		
270279	19:37		51.73	-2.58	360 204		1.3ML	BREAM AREA		
090379	21:26	41.8	56.13	-3.62	299 694	0	1.8ML	SE OF DOLLAR		
130379	23:36	30.5	55.87	-3.07	333 665	0	0.4ML	MIDLOTHIAN C		
150379	22:02	13.0	56.26	-3.71	294 709	4	1.0ML	OCHIL HILLS		
190379	05:39	12.9	56.25	-3.71	294 708	4	0.6ML	OCHIL HILLS		
200379	20:14		51.76	-3.23	315 208		2.0ML	RHYMNEY AREA		
210379	03:41	54.4	56.25	-3.74	292 708	6	1.8ML	OCHIL HILLS	4	50
210379	04:17	03.4	56.25	-3.75	292 708	2	-0.1ML	OCHIL HILLS		
210379	04:18	12.1	56.22	-3.73	293 704	6	0.0ML	OCHIL HILLS		
210379	19:51	10.8	56.27	-3.68	296 710	1	0.7ML	OCHIL HILLS		
230379	11:52	55.6	56.24	-3.74	292 707	4	0.9ML	OCHIL HILLS		
230379	19:05	51.9	55.93	-3.07	333 671	0	0.2ML	MIDLOTHIAN C		
240379	02:38	44.7	56.22	-3.72	293 704	6	0.4ML	OCHIL HILLS		
240379	03:47	46.0	55.93	-3.05	334 671	0	0.4ML	MIDLOTHIAN C		
240379	03:48	26.8	55.94	-3.06	334 672	0	0.4ML	MIDLOTHIAN C		
250379	00:09	32.6	56.22	-3.74	292 704	6	0.4ML	OCHIL HILLS		
250379	05:24	37.0	56.24	-3.74	292 707	4	0.8ML	OCHIL HILLS		
290379	18:16	09.8	56.24	-3.74	292 707	6	0.5ML	OCHIL HILLS		
300379	23:43	15.8	56.28	-3.80	289 711		0.8ML	BLACKFORD		
310379	04:47	27.8	56.34	-3.75	292 718		1.0ML	CRIEFF		
100479	23:51	27.1	55.95	-3.09	332 674		1.2ML	JOPPA C	4	
120479	04:57	17.2	56.23	-3.74	292 706		1.7ML	OCHIL HILLS	4	
220479	06:40	16.8	56.39	-5.66	174 728		2.2ML	MULL		
260479	03:25	50.3	55.87	-3.01	337 665	3	0.2ML	MIDLOTHIAN C		
270479	20:36	13.0	55.92	-3.09	332 670	0	0.8ML	MIDLOTHIAN C		
040579	02:36	55.9	56.27	-3.71	294 710	3	0.4ML	OCHIL HILLS		
050579	05:17	40.9	55.94	-3.11	331 672		0.1ML	MIDLOTHIAN C		
060579	16:43	24.4	56.25	-3.74	292 708	5	2.2ML	GLENEAGLES		
120579	07:14	04.8	61.0	2.9			3.1ML	NORTH SEA		
150579	20:06	55.4	55.92	-3.07	333 670	0	-0.2ML	MIDLOTHIAN C		
150579	21:43	18.8	55.93	-3.08	333 671	0	0.9ML	MIDLOTHIAN C		
150579	21:44	09.3	55.92	-3.11	331 670	4	0.4ML	MIDLOTHIAN C		
170579	22:15	55.4	55.94	-3.07	333 672	0	0.6ML	MIDLOTHIAN C		
220579	13:53	21.4	56.25	-3.75	292 708	6	2.4ML	GLEN DEVON		
220579	20:38	31.4	55.86	-3.13	329 664	0	0.8ML	MIDLOTHIAN C		
300579	18:16	04	54.75	-2.00	400 539		1.1ML	S CONSETT		
010679	17:56	19.7	56.13	-3.66	297 694	3	1.3ML	S DOLLAR		
060679	04:42	47.8	55.02	-1.37	440 570		2.0ML	OFF S SHIELD		
060679	04:55	44.9	55.93	-3.08	333 671		0.1ML	MIDLOTHIAN C		
110679	04:39	14.1	56.22	-3.80	288 704	0	1.0ML	GLEN DEVON		
230679	22:37	35.9	55.92	-3.62	299 671	4	0.2ML	BATHGATE		
120779	00:36	00.4	56.22	-3.76	291 704	8	0.6ML	GLENDEVON		
280779	15:41	28.3	61.9	2.3			3.0ML	NORTH SEA		
070879	21:34	20.9	60.5	1.5			3.5ML	NORTH SEA		
080879	05:39		52.39	-2.62	358 277		2.0ML	LUDLOW AREA		
100879	02:28	24	55.95	-3.10	331 674		0.9ML	BRUNSTANE C	2	
100879	17:37	48.6	54.8	-1.0	464 545		2.2ML	HARTLEPOOL		
110879	22:47	30.3	57.44	-5.35	199 844	0	1.5ML	KINTAIL		
230879	06:16	28.5	55.92	-3.05	334 670		0.1ML	MIDLOTHIAN C		
280879	22:29		55.89	-3.74	291 668	2	1.1ML	ARMADALE C	4	
300879	06:55	14.4	57.38	-5.48	191 838		2.3ML	KINTAIL		
080979	01:24	15.3	55.93	-3.09	332 671	5	0.6ML	MIDLOTHIAN C		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid KmE	ref KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
110979	18:50 19.9	55.89	-3.11	331	667	6	0.5ML	MIDLOTHIAN C		
120979	21:35 26.5	55.86	-3.14	329	664	6	1.1ML	ROSEWELL C	4	
130979	16:43 39.0	56.14	-5.32	194	699	0	1.5ML	LOCHGILPHEAD		
180979	23:00 35.1	56.32	-3.59	302	715	5	0.6ML	DUNNING		
190979	20:37	51.65	-3.33	308	195		0.7ML	PONTYPRIDD		
200979	06:43	51.78	-2.64	356	209		-0.4ML	MONMOUTH		
200979	18:30 34.8	55.94	-3.08	333	672	1	1.2ML	BRUNSTANE C	3	
200979	18:31 56.1	55.94	-3.10	331	672	2	0.6ML	MIDLOTHIAN C		
260979	23:47 09.6	55.89	-3.07	333	667	1	-0.3ML	BONNYRIGG C		
260979	23:47 10.3	55.88	-3.10	331	666	1	0.8ML	BONNYRIGG C	3	
260979	23:48 16.2	55.88	-3.12	330	666	2	0.4ML	BONNYRIGG C	2	
260979	23:48 24.9	55.88	-3.11	331	666	2	0.3ML	BONNYRIGG C	2	
260979	23:48 59.9	55.88	-3.12	330	666		0.0ML	BONNYRIGG C		
071079	04:51	53.05	-1.24	451	351		2.2ML	MANSFIELD	3+	
071079	05:26	53.05	-1.24	451	351		2.5ML	MANSFIELD	3+	
071079	05:37	53.05	-1.24	451	351		1.9ML	MANSFIELD	3+	
071079	06:44	53.05	-1.24	451	351		2.4ML	MANSFIELD	3+	
071079	08:12	53.05	-1.24	451	351		3.1ML	MANSFIELD	4	
071079	08:14	53.05	-1.24	451	351		1.9ML	MANSFIELD	3+	
091079	01:29 21.4	55.12	-2.88	344	581	4	1.9ML	LONGTOWN		
091079	10:10	53.05	-1.24	451	351		3.0ML	MANSFIELD	4	
101079	06:19 41.5	55.93	-3.09	332	671	1	0.3ML	MIDLOTHIAN C		
101079	06:19 47.7	55.93	-3.09	332	671	1	1.0ML	MIDLOTHIAN C		
101079	06:20 53.1	55.93	-3.08	333	671	0	0.5ML	BRUNSTANE C	2	
101079	06:22 25.8	55.93	-3.08	333	671	1	0.5ML	BRUNSTANE C	2	
101079	20:51 57.8	55.94	-3.09	332	672	2	0.9ML	BRUNSTANE C	3	
121079	21:58 50.8	55.93	-3.09	332	671		1.4ML	BRUNSTANE C	3	
151079	14:59 58.6	55.70	-5.54	178	651	2	1.5ML	KINTYRE		
171079	18:55 42.3	55.00	-2.84	346	568	0	0.8ML	LONGTOWN		
171079	20:44 39.8	55.93	-3.08	333	671	0	1.0ML	BRUNSTANE C	3	
171079	20:57 28.3	55.08	-2.92	341	577	1	1.7ML	LONGTOWN	3	
191079	04:42 10.4	55.93	-3.09	332	671	2	0.3ML	MIDLOTHIAN C		
231079	20:15 31.4	56.25	-3.74	292	708	4	0.5ML	GLENDEVON		
241079	06:14 14.8	57.39	-5.89	166	840		2.0ML	APPLECROSS		
241079	10:06 10.4	55.94	-3.08	333	672	0	1.6ML	MIDLOTHIAN C	2	
251079	22:53 50.8	55.87	-3.14	329	665	0	0.5ML	MIDLOTHIAN C		
261079	00:58 12.8	55.98	-3.07	333	677	2	0.1ML	MIDLOTHIAN C		
261079	01:02 24.9	55.92	-3.07	333	670	0	0.9ML	MIDLOTHIAN C		
301079	19:24 01.0	56.13	-3.67	296	694	4	0.9ML	S DOLLAR		
011179	21:05 56.4	55.92	-3.10	331	670	4	0.5ML	MIDLOTHIAN C		
021179	01:13 44.6	55.96	-3.11	331	675	0	0.0ML	NEWHAILES C	2	
121179	13:31 38.9	55.17	-2.82	348	587	1	1.3ML	LONGTOWN		
161179	12:33 02.7	55.95	-3.09	332	674	0	0.6ML	BRUNSTANE C	3	
161179	21:44 34.6	55.91	-3.08	332	669	0	0.5ML	MIDLOTHIAN C		
181179	09:24 53.8	55.62	-3.67	295	638	6	1.0ML	TINTO HILL		
181179	10:47 09.8	56.02	-6.02	150	688	0	1.5ML	JURA AREA		
201179	07:17 34.5	55.86	-3.14	329	664	0	0.3ML	MIDLOTHIAN C		
211179	07:28 05.9	55.86	-3.14	329	664	0	0.5ML	MIDLOTHIAN C		
221179	17:20 38.3	54.6	-1.1	458	523	0	2.1ML	OFF HARTPL		
231179	00:26 41.1	55.94	-3.07	333	672		-0.3ML	MIDLOTHIAN C		
281179	21:35 42.3	55.86	-3.13	329	664	0	0.9ML	MIDLOTHIAN C		
041279	07:53 11.9	55.89	-3.07	333	667	0	1.3ML	ESKBANK C	3	
051279	07:52 13.3	55.85	-3.19	326	663	0	0.9ML	MIDLOTHIAN C		
111279	20:17 04.3	55.86	-3.14	329	664	0	0.9ML	MIDLOTHIAN C		
131279	22:49 28.2	55.87	-3.14	329	665		0.8ML	MIDLOTHIAN C		
191279	05:02 57.8	55.86	-3.13	329	664	0	0.8ML	MIDLOTHIAN C		
231279	01:58 01.8	56.60	-5.60	179	751	0	1.8ML	KINGAIRLOCH		
261279	03:57 07.3	55.05	-2.86	345	573	5	4.8ML	LONGTOWN	6	20000
261279	04:00 15.8	55.12	-2.87	345	581	3	1.7ML	LONGTOWN		
261279	04:04 54.7	55.14	-2.83	347	583	5	1.3ML	LONGTOWN		
261279	04:08 02.9	54.55	-2.60	361	517	3	0.7ML	LONGTOWN		
261279	04:12 00.7	55.13	-2.89	343	582	4	1.2ML	LONGTOWN		
261279	04:16 50.0	55.12	-2.92	341	581	0	1.4ML	LONGTOWN		
261279	04:17 35.5	55.21	-2.77	351	591	3	1.0ML	LONGTOWN		
261279	04:59 19.2	55.04	-2.80	349	572	9	1.6ML	LONGTOWN		
261279	05:26 35.3	55.28	-2.83	347	599		0.6ML	LONGTOWN		
261279	05:44 23.1	55.09	-2.80	349	578	10	1.1ML	LONGTOWN		
261279	10:02 48.5	55.06	-2.76	351	574	1	1.0ML	LONGTOWN		
261279	14:53 10.7	54.80	-3.04	333	546		0.7ML	LONGTOWN		
261279	17:38 02.7	55.12	-2.85	346	581	3	1.4ML	LONGTOWN		
271279	05:39 21.8	55.07	-2.92	341	575		1.0ML	LONGTOWN		
271279	17:23 29.5	55.10	-2.88	344	579	3	2.3ML	LONGTOWN	3	
271279	23:05 25.4	55.07	-2.81	348	575	9	2.3ML	LONGTOWN	3	
281279	04:36 55.1	55.86	-3.14	329	664	0	0.7ML	MIDLOTHIAN C		
301279	10:40 10.7	55.04	-2.82	348	572	4	1.2ML	LONGTOWN		
301279	20:53 01.4	57.08	-5.23	204	803		2.9ML	KINTAIL		
311279	11:24 55.5	55.05	-2.84	346	573	4	1.7ML	LONGTOWN		
010180	05:05 47.0	55.01	-2.83	347	569	9	4.1ML	LONGTOWN	5	
010180	05:43 59.8	55.03	-2.83	347	571	7	1.6ML	LONGTOWN		
010180	11:05 03.0	56.25	-3.73	293	708	2	3.0ML	OCHIL HILLS		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid ref KME KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
030180	01:59 54.1	54.95	-2.82	347 562	6	0.7ML	LONGTOWN		
030180	02:35 47.3	54.99	-2.80	349 566	3	1.7ML	LONGTOWN		
040180	19:48 26.7	57.08	-5.21	205 803	0	2.2ML	LOCH QUOICH		
070180	18:14 31.9	55.03	-2.89	343 571	7	1.7ML	LONGTOWN		
080180	06:10 59.0	54.97	-2.82	348 564	6	1.3ML	LONGTOWN		
090180	02:01	51.68	-2.80	345 198		1.5ML	NEWPORT AREA		
120180	08:49 54.4	51.67	-3.00	331 197	0	3.0ML	CWMBRAN	3+	
160180	06:08 26.7	55.86	-3.14	329 664	0	0.8ML	MIDLOTHIAN C		
170180	03:32 51.9	55.89	-3.07	333 667	0	0.6ML	MIDLOTHIAN C	2	
200180	03:54 17.4	54.97	-2.88	344 564	6	1.2ML	LONGTOWN		
200180	17:16 07.6	55.02	-2.85	346 570	5	0.7ML	LONGTOWN		
220180	18:53 34.8	55.05	-2.86	345 573	6	1.8ML	LONGTOWN	3	
220180	19:32 15.9	55.02	-2.90	342 570	0	0.8ML	LONGTOWN		
230180	07:42 10.4	55.04	-2.88	344 572	7	1.6ML	LONGTOWN		
240180	04:15 00.0	56.24	-3.73	293 707	3	1.1ML	OCHIL HILLS		
240180	19:54 14.2	55.86	-3.14	329 664	1	0.5ML	MIDLOTHIAN C		
240180	23:49 47.9	55.06	-2.87	344 574	9	0.9ML	LONGTOWN		
250180	03:45 00.3	55.09	-2.81	348 578	8	1.7ML	LONGTOWN		
250180	15:01 29.9	55.06	-2.84	346 574	4	2.7ML	LONGTOWN	4	450
260180	03:00 06.8	55.07	-2.93	341 575	6	1.0ML	LONGTOWN		
260180	23:53 47.6	55.88	-3.08	332 666	0	0.7ML	MIDLOTHIAN C	2	
280180	13:22 30.0	55.11	-2.90	343 580	2	2.6ML	LONGTOWN		
290180	21:43	51.57	-3.26	313 186		1.7ML	TREFORREST		
300180	02:58	51.65	-2.88	339 195		1.7ML	NEWPORT AREA		
020280	04:23 38.5	55.87	-3.14	329 665	1	0.6ML	MIDLOTHIAN C	2	
020280	10:45 23.9	55.05	-2.93	341 573	7	1.2ML	LONGTOWN		
020280	11:45 01.6	55.05	-2.93	341 573	4	1.2ML	LONGTOWN		
030280	17:38 59.2	54.32	-2.21	386 492		1.4ML	PENNINES		
030280	17:39 11.3	55.03	-2.87	344 571	7	1.6ML	LONGTOWN		
070280	05:17	51.65	-2.85	341 195		2.4ML	NEWPORT AREA	3+	
070280	11:27	51.65	-2.82	343 195		2.1ML	NEWPORT AREA	3+	
090280	01:37 22.7	56.36	-4.23	262 721	2	1.4ML	LOCH EARN		
120280	18:54 47.1	55.97	-3.26	321 676	2	0.0ML	MIDLOTHIAN C		
190280	18:50 42.1	55.88	-3.06	334 666	0	0.5ML	MIDLOTHIAN C		
210280	17:14 35.3	55.03	-2.87	344 571	10	0.6ML	LONGTOWN		
210280	18:19 11.1	56.10	-3.81	287 691	3	1.7ML	STIRLING		
210280	19:06 37.9	55.03	-2.88	344 571	8	0.5ML	LONGTOWN		
220280	04:47 02.7	55.03	-2.87	344 571	5	0.4ML	LONGTOWN		
220280	14:04	51.65	-2.83	343 195		2.2ML	NEWPORT AREA		
220280	22:10 46.8	55.93	-3.08	333 671	0	0.8ML	BRUNSTANE C		
250280	22:07 30.3	55.86	-3.15	328 664	1	1.0ML	ROSEWELL C		
260280	18:33 43.8	55.89	-3.09	332 667	0	0.8ML	BONNYRIGG C		
280280	14:47 48.3	55.01	-2.87	344 569	8	0.5ML	LONGTOWN		
290280	05:40 00.0	55.92	-3.10	331 670	1	0.3ML	DANDERHALL C		
030380	18:48 13.7	55.89	-3.08	332 667	1	0.9ML	BONNYRIGG C		
030380	23:59 39.7	55.00	-2.85	346 568	5	1.0ML	LONGTOWN		
040380	18:40 50.8	54.99	-2.84	346 566	7	0.9ML	LONGTOWN		
040380	20:13 35.4	56.07	-3.80	288 688	6	1.1ML	SE STIRLING		
040380	21:30 50.2	55.86	-3.15	328 664	0	0.7ML	S ROSEWELL C		
070380	09:37	51.66	-3.12	323 196		2.2ML	EBBW VALE		
070380	21:57	51.68	-2.97	333 198		1.6ML	NEWPORT AREA		
080380	07:21 44.8	55.03	-2.88	344 571	7	1.1ML	LONGTOWN		
100380	21:49 28.1	55.85	-3.14	329 662	0	0.3ML	ROSEWELL C		
100380	22:15 06.1	55.85	-3.14	329 662	0	0.0ML	ROSEWELL C		
110380	02:03 54.0	55.02	-2.88	344 570	6	0.8ML	LONGTOWN		
110380	11:44 16.9	55.02	-2.89	343 570	7	1.4ML	LONGTOWN		
120380	03:43 42.6	56.12	-3.62	299 693	0	1.7ML	S DOLLAR		
130380	09:04 07.4	55.02	-2.88	344 570	7	1.3ML	LONGTOWN		
150380	07:19 40.0	55.03	-2.88	344 571	4	1.4ML	LONGTOWN		
150380	10:15 30.9	56.25	-3.70	295 708	2	2.0ML	OCHIL HILLS		
150380	12:31 42.5	55.00	-2.87	344 568	6	0.0ML	LONGTOWN		
150380	14:48 05.6	56.25	-3.73	293 708	2	1.5ML	OCHIL HILLS		
180380	00:53 11.1	55.86	-3.14	329 664	0	0.5ML	ROSEWELL C		
180380	19:02 45.8	55.89	-3.08	332 667	1	1.1ML	BONNYRIGG C		
200380	00:56 20.6	56.13	-3.60	301 694	0	1.1ML	SE DOLLAR		
260380	01:02 20.9	55.04	-2.88	344 572	8	1.9ML	LONGTOWN	2	
260380	01:19 21.3	55.01	-2.86	345 569	8	0.3ML	LONGTOWN		
260380	01:40 06.3	55.01	-2.86	345 569	7	0.6ML	LONGTOWN		
260380	19:06 59.4	55.03	-2.88	344 571	8	1.3ML	LONGTOWN		
280380	18:02 05.5	55.02	-2.87	344 570	7	0.6ML	LONGTOWN		
300380	17:32 43.1	55.01	-2.88	344 569	7	0.3ML	LONGTOWN		
030480	22:58 42.7	55.87	-3.13	329 665	1	0.0ML	POLTON C		
050480	05:07 52.1	55.02	-2.86	345 570	6	0.5ML	LONGTOWN		
070480	12:09 49.9	55.02	-2.87	344 570	6	0.8ML	LONGTOWN		
070480	12:09 54.3	55.04	-2.93	341 572	6	1.0ML	LONGTOWN		
070480	12:22 12.0	55.03	-2.90	342 571	7	0.8ML	LONGTOWN		
090480	04:34 08.2	57.20	-5.58	184 818	6	2.3ML	KINTAIL		
090480	04:59 26.0	57.20	-5.22	206 817	0	1.6ML	KINTAIL		
120480	03:23 41.8	57.16	-5.23	205 812	0	1.7ML	KINTAIL		
120480	14:55 13.0	57.22	-5.32	200 819	0	2.0ML	KINTAIL		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
120480	15:07	20.3	57.14	-5.20	206 810	0	1.8ML KINTAIL		
* 130480	03:44	03.9	55.02	-2.87	344 570	7	0.0ML LONGTOWN		
130480	10:47	59.1	56.39	-10.21			3.3ML N ATLANTIC		
280480	00:27	19.6	55.86	-3.14	329 664	0	0.5ML ROSEWELL C		
020580	22:05	48.9	62.9	4.9			2.4ML NORTH SEA		
030580	04:54	06.4	55.87	-3.13	329 665	1	0.6ML POLTON C	2	
070580	15:12	03.3	55.02	-2.84	346 570	7	3.2ML LONGTOWN	4	500
070580	15:34	03.4	55.00	-2.85	346 568	5	1.6ML LONGTOWN		
070580	15:45	59.0	56.21	-5.04	211 706	0	1.2ML S INVERARAY		
080580	23:18	02	53.1	-2.2	387 356		2.3ML STOKE CLFD	3+	
090580	17:54	20.9	55.85	-3.15	328 662	0	0.6ML ROSLIN C		
090580	23:42	23.8	62.9	2.4			3.5ML NORTH SEA		
140580	21:58		52.17	-2.73	350 253		0.7ML LEOMINSTER		
160580	21:51	15.1	55.86	-3.13	329 664	0	0.5ML BONNYRIGG C		
170580	23:47	50.0	56.03	-3.65	297 683	0	-0.2ML VALLEYFIELD		
180580	20:11		51.72	-3.27	312 203		1.0ML MERTHYR TYD.		
200580	18:57	11.1	56.14	-3.64	298 695	0	0.3ML S DOLLAR		
220580	01:52	39.4	55.88	-3.13	329 666	1	0.6ML POLTON C		
270580	20:43	34.3	62.0	1.6			3.1ML NORTH SEA		
010680	23:35	09.6	56.29	-3.78	290 712	2	1.4ML OCHIL HILLS		
020680	06:05	57.3	55.86	-3.14	329 664	0	0.6ML ROSEWELL C		
020680	16:44	16.3	62.2	3.0			2.4ML NORTH SEA		
030680	07:48	25.8	55.86	-3.14	329 664	0	0.2ML ROSEWELL C		
050680	05:22	13.8	55.03	-2.87	344 571	6	1.6ML LONGTOWN		
050680	10:08	04.5	61.2	4.6			2.3ML NORTH SEA		
080680	07:58	10.0	60.7	3.4			3.1ML NORTH SEA	3+	
100680	23:40	33	53.1	-2.2	387 356		2.3ML STOKE CLFD	3+	
110680	03:25	25.3	55.86	-3.14	329 664	1	0.4ML POLTON C		
110680	07:22	28.0	58.9	1.0			3.2ML NORTH SEA		
170680	18:00	14.4	56.25	-3.72	293 708	6	1.0ML GLENEAGLES		
180680	15:06	27.0	60.9	4.0			2.2ML NORTH SEA		
220680	05:34	49.7	51.68	-3.02	329 198	0	1.8ML NEWPORT AREA		
220680	09:47	01.0	55.88	-3.28	320 666		1.1ML PENTLAND HLS		
220680	12:04	18.8	51.66	-3.02	329 196	0	2.4ML NEWPORT AREA		
220680	23:04	51.0	55.90	-3.02	336 668		0.0ML COUSLAND C		
240680	18:39	12.8	57.9	-2.2	388 890		2.0ML MORAY FIRTH		
240680	22:54	24.0	55.86	-3.12	330 664	0	0.7ML ROSEWELL C		
260680	02:47	29.5	55.92	-3.07	333 670	1	0.8ML MILLERHILL C		
260680	12:12	23.6	55.01	-2.85	346 569	5	1.3ML LONGTOWN		
270680	01:54	39.7	55.29	-3.59	299 601		0.4ML LOWTHER HLS		
270680	17:25	36.7	61.2	3.0			1.7ML NORTH SEA		
020780	01:09	49.0	55.85	-3.17	327 662		0.2ML ROSLIN C		
020780	11:42	19.7	55.86	-3.13	329 664	2	1.4ML ROSEWELL C		
020780	16:11	33	54.7	-1.4	439 534		2.0ML PETERLEE		
040780	00:36	04.6	55.87	-3.14	329 665	3	0.9ML POLTON C		
050780	22:10	28.8	55.86	-3.09	332 664	0	0.2ML DALHOUSIE C		
060780	21:17	16.7	55.02	-2.87	344 570	6	1.2ML LONGTOWN		
070780	13:51	29.6	55.1	-1.5	432 579		1.4ML WHITLEY BAY		
070780	15:33	05.4	56.45	-3.79	290 730		0.5ML GLEN ALMOND		
070780	23:57	19.1	53.1	-2.2	387 356		2.7ML TALKE AREA	3+	
080780	00:02	48.4	53.1	-2.2	387 356		3.1ML TALKE AREA	3+	
100780	14:15		53.1	-2.2	387 356		2.0ML STOKE AREA		
130780	19:21	36.7	55.87	-3.12	330 665	1	0.6ML POLTON C		
140780	13:25		53.1	-2.2	387 356		0.9ML STOKE AREA		
140780	13:29		53.1	-2.2	387 356		2.0ML STOKE AREA		
170780	06:49		53.1	-2.2	387 356		1.9ML STOKE AREA		
170780	09:04		53.1	-2.2	387 356		2.5ML STOKE AREA	3+	
170780	23:06	31.3	55.32	-3.61	298 604	5	1.4ML LOWTHER HLS		
180780	16:10		53.1	-2.2	387 356		2.2ML STOKE AREA		
190780	05:33		53.1	-2.2	387 356		2.7ML STOKE AREA		
300780	15:33	44.0	55.07	-2.84	346 575	1	2.5ML LONGTOWN		
300780	22:57		52.17	-3.53	295 254		2.0ML BUILTH WELLS		
010880	06:42	30.0	55.86	-3.12	330 664	2	0.8ML ROSEWELL		
030880	01:17	23.3	55.27	-3.75	289 599		0.7ML THORNHILL		
070880	00:21		53.1	-2.2	387 356		1.7ML STOKE CLFD		
070880	00:22		53.1	-2.2	387 356		3.0ML STOKE CLFD		
090880	12:47	51.4	54.9	-2.7	355 556		1.8ML BRAMPTON		
100880	02:15	49.7	55.03	-2.91	342 571	6	1.6ML LONGTOWN		
140880	02:39	40.5	55.78	-3.12	330 655		0.2ML GLADHOUSE C		
140880	20:51		53.1	-2.2	387 356		2.6ML STOKE CLFD		
140880	21:06		53.1	-2.2	387 356		2.0ML STOKE AREA		
150880	07:25		53.1	-2.2	387 356		2.4ML TALKE AREA		
170880	03:08		53.1	-2.2	387 356		1.9ML STOKE AREA		
190880	22:53	16.2	55.05	-2.93	341 573	5	0.8ML LONGTOWN		
310880	02:32	01.0	61.0	2.1			1.5ML NORTH SEA		
010980	02:41	08.4	53.08	-2.27	382 354		1.5ML TALKE AREA		
030980	19:26	10.6	53.04	-2.12	392 349		1.3ML STOKE CLFD		
040980	14:28	57.7	53.06	-2.26	383 351		1.6ML TALKE AREA		
040980	16:18	35.8	53.05	-2.20	387 350		0.5ML STOKE CLFD		
050980	01:51	11.2	53.04	-2.19	387 349	1	0.1ML STOKE CLFD		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
050980	04:38 15.2	53.04	-2.19	387 349		0.3ML	STOKE CLFD		
050980	04:51 42.0	53.09	-2.25	383 355	5	1.5ML	TALKE AREA		
060980	02:28 02.5	53.10	-2.21	386 356		0.5ML	BIDDULPH		
060980	04:01 49.3	53.04	-2.20	387 349		0.2ML	STOKE CLFD		
080980	06:00 36.1	53.07	-2.25	383 353		1.2ML	TALKE AREA		
080980	23:43 46.3	53.08	-2.28	381 354		1.5ML	TALKE AREA		
100980	03:32 34.0	53.04	-2.19	387 349		1.7ML	STOKE CLFD	3+	
100980	03:33 08.5	55.32	-2.78	351 603		1.0ML	HAWICK		
100980	05:48 28.1	55.86	-3.12	330 664	0	0.4ML	ROSEWELL	C	
100980	16:48 24.0	53.04	-2.18	388 349	0	0.6ML	STOKE CLFD		
100980	19:07 10.1	53.04	-2.18	388 349	1	1.5ML	STOKE CLFD	3+	
110980	05:28 03.8	55.92	-3.08	333 670	0	0.8ML	ESKBANK	C	2
110980	10:23 43.1	53.05	-2.16	389 350	0	1.5ML	STOKE CLFD		10
120980	15:12 32.8	53.06	-2.24	384 351	3	1.9ML	TALKE AREA	3+	
120980	15:22 35.1	53.06	-2.22	385 351		1.3ML	STOKE CLFD		
120980	18:22 06.8	53.05	-2.22	385 350		0.9ML	STOKE CLFD		
120980	19:19 28.7	53.07	-2.24	384 353	5	1.2ML	TALKE AREA		
130980	00:28 23.8	53.06	-2.22	385 351		1.1ML	STOKE CLFD		
130980	02:01 47.0	53.08	-2.27	382 354		1.6ML	TALKE AREA		
130980	02:22 14.1	53.08	-2.28	381 354		0.9ML	TALKE AREA		
130980	03:20 29.7	53.04	-2.12	392 349		0.5ML	STOKE CLFD		
130980	14:10 37.4	53.08	-2.27	382 354		1.1ML	TALKE AREA		
140980	12:20 19.8	53.08	-2.28	381 354		1.6ML	TALKE AREA		
140980	14:57 18.8	56.25	-3.74	292 708	5	2.2ML	GLENEAGLES		
140980	23:28 04.6	53.08	-2.25	383 354		0.5ML	TALKE AREA		
150980	02:00 12.6	53.08	-2.28	381 354		1.7ML	TALKE AREA		
150980	18:33 44.6	53.08	-2.67	355 354		1.4ML	TALKE AREA		
150980	19:14 59.6	56.57	-4.16	267 744	11	1.9ML	BEN LAWERS	3	60
150980	21:24 20.7	53.05	-2.23	385 350		0.6ML	STOKE CLFD		
160980	01:56 06.7	53.08	-2.27	382 354		1.4ML	TALKE AREA		
160980	02:15 15.8	53.07	-2.24	384 353		0.4ML	TALKE AREA		
160980	10:30 12.5	54.7	0.0	529 536		1.9ML	WHITBY		
160980	18:11 25.1	53.08	-2.27	382 354		1.0ML	TALKE AREA		
160980	21:26 16.2	53.04	-2.18	388 349	1	1.2ML	STOKE CLFD		
160980	21:54 07.1	53.07	-2.25	383 353	3	1.6ML	TALKE AREA		
170980	02:12 01.4	53.07	-2.25	383 353	3	1.4ML	TALKE AREA		
180980	00:35 30.1	55.89	-3.11	331 667		-0.1ML	BONNYRIGG		
180980	01:43 02.6	55.88	-3.13	329 666	1	0.1ML	POLTON	C	
180980	02:41 20.3	55.87	-3.13	329 665	0	0.2ML	POLTON	C	
180980	02:47 55.0	55.88	-3.12	330 666		-0.5ML	LOANHEAD	C	
190980	03:56 59.8	53.03	-2.20	387 348		0.1ML	STOKE CLFD		
200980	00:57 48.4	52.94	-2.17	389 338		1.0ML	BARLASTON		
200980	07:40 37.9	54.7	-0.2	516 535		2.0ML	WHITBY		
200980	14:51 28.6	53.09	-2.21	386 355		0.5ML	TALKE AREA		
210980	11:12 28.3	53.09	-2.29	381 355		1.6ML	TALKE AREA		
210980	11:27 04.8	53.08	-2.27	382 354		0.2ML	TALKE AREA		
210980	13:02 19.6	53.08	-2.26	383 354	5	1.5ML	TALKE AREA		
210980	14:22 27.2	53.09	-2.28	381 355		1.1ML	TALKE AREA		
210980	21:16 49.9	53.16	-2.24	384 363		0.6ML	CONGLETON		
210980	23:53 01.9	53.08	-2.27	382 354		1.0ML	TALKE AREA		
220980	16:54 02.3	54.3	-0.8	478 490		1.7ML	SCARBOROUGH		
220980	17:38 21.0	54.5	-0.4	504 513		1.7ML	WHITBY		
220980	18:52 56.3	53.07	-2.24	384 353		1.6ML	TALKE AREA		
220980	18:53 35.0	53.09	-2.27	382 355		1.2ML	TALKE AREA		
220980	19:27 07.3	53.09	-2.28	381 355		1.6ML	TALKE AREA		
220980	19:38 00.6	53.09	-2.28	381 355		1.4ML	TALKE AREA		
220980	19:43 34.7	53.08	-2.26	383 354		1.5ML	TALKE AREA		
220980	20:43 02.1	53.08	-2.27	382 354	5	1.1ML	TALKE AREA		
230980	00:08 48.0	53.08	-2.27	382 354		1.3ML	TALKE AREA		
230980	00:37 57.7	56.30	-3.55	304 713		0.5ML	OCHIL HILLS		
230980	00:53 41.3	53.05	-2.16	389 350	0	0.8ML	STOKE CLFD		
230980	05:11 49.1	53.05	-2.14	391 350		1.2ML	STOKE CLFD		
230980	07:52 21.1	55.01	-2.86	345 569	5	1.6ML	LONGTOWN		
230980	09:12 01.6	53.09	-2.28	381 355		1.2ML	TALKE AREA		
230980	17:04 34.4	53.04	-2.21	386 349		0.3ML	STOKE CLFD		
230980	22:25 53.5	53.08	-2.19	387 354		0.8ML	PACKMOOR		
240980	04:08 11.0	53.08	-2.24	384 354		0.9ML	TALKE AREA		
250980	01:33 43.6	53.09	-2.28	381 355		0.7ML	TALKE AREA		
250980	08:45 28.8	53.04	-2.21	386 349		1.1ML	STOKE CLFD		
250980	12:14 22.2	53.04	-2.14	391 349		1.0ML	STOKE CLFD		
250980	22:42 21.5	52.98	-2.20	387 343	0	1.5ML	STOKE CLFD		
260980	11:32 42.0	62.0	2.0			2.3ML	NORTH SEA		
260980	18:40 16.5	53.07	-2.26	383 353	4	1.9ML	TALKE AREA	3+	
260980	22:11 35.0	53.07	-2.24	384 353		0.8ML	TALKE AREA		
270980	02:01 43.1	53.08	-2.26	383 354	5	0.9ML	TALKE AREA		
270980	03:44 45.8	53.08	-2.27	382 354		1.1ML	TALKE AREA		
270980	07:16 13.4	55.72	-0.92	468 648		0.6ML	BERWICKTWEED		
280980	00:09 03.4	53.07	-2.26	383 353		0.6ML	TALKE AREA		
280980	20:18 07.4	56.35	-3.44	311 718		-0.3ML	BDGE OF EARN		
280980	21:40 17.9	53.07	-2.27	382 353		1.5ML	TALKE AREA		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid KNE	ref KMN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
290980	06:34 21.1	56.26	-3.74	292	709	5	0.8ML	GLENEAGLES		
290980	10:39 43.5	53.07	-2.26	383	353		1.1ML	TALKE AREA		
290980	18:15 32.2	53.07	-2.25	383	353		1.1ML	TALKE AREA		
300980	14:16 33.5	53.08	-2.29	381	354		0.7ML	TALKE AREA		
011080	07:36 14.6	53.06	-2.27	382	351		1.2ML	TALKE AREA		
021080	01:37 52.9	53.10	-2.27	382	356		0.7ML	TALKE AREA		
021080	02:13 23.4	56.25	-3.73	293	708	8	0.9ML	GLENEAGLES		
021080	04:17 08.7	53.04	-2.13	391	349		0.5ML	STOKE CLFD		
021080	16:04 26.5	56.19	-5.40	189	705		1.2ML	ARDGOUR		
021080	19:12 39.4	53.09	-2.21	386	355		0.3ML	NEWCHAPEL		
021080	23:15 50.3	53.04	-2.13	391	349		0.6ML	STOKE CLFD		
021080	23:22 38.3	52.99	-2.27	382	344		0.3ML	KEELE AREA		
041080	01:15 18.8	55.02	-2.84	346	570	6	1.7ML	LONGTOWN		
061080	22:40 40.9	55.02	-2.85	346	570	5	0.8ML	LONGTOWN		
071080	11:57 36.7	54.55	-1.79	414	517		1.5ML	BARNARD CSTL		
091080	14:39 34.6	55.91	-3.14	329	669	3	0.5ML	DANDERHALL C		
091080	14:39 55.0	55.90	-3.10	331	668	0	0.4ML	DANDERHALL C		
101080	04:33 39.2	55.90	-3.07	333	668		-0.1ML	DANDERHALL C		
111080	02:20 44.6	53.05	-2.22	385	350		0.6ML	STOKE CLFD		
121080	09:29 35.8	53.04	-2.12	392	349		1.1ML	STOKE CLFD		
121080	17:18 49.0	53.04	-2.12	392	349		0.7ML	STOKE CLFD		
121080	17:30 53.4	53.05	-2.16	389	350		1.5ML	STOKE CLFD		
141080	01:32 48.5	53.03	-2.13	391	348		1.5ML	STOKE CLFD		
151080	11:04 13.3	53.04	-2.13	391	349		1.6ML	STOKE CLFD		
171080	18:57 58.0	62.4	4.5				2.4ML	NORTH SEA		
181080	00:42 11.1	53.03	-2.17	389	348	0	1.0ML	STOKE CLFD		
191080	02:35 19.7	55.02	-2.87	344	570	5	0.7ML	LONGTOWN		
191080	04:36 44.7	55.02	-2.86	345	570	5	1.3ML	LONGTOWN		
191080	04:37 03.7	55.10	-2.85	346	579	6	0.4ML	LONGTOWN		
191080	04:38 48.8	55.01	-2.86	345	569	6	1.0ML	LONGTOWN		
191080	05:32 47.0	55.02	-2.86	345	570	6	1.0ML	LONGTOWN		
221080	01:32 11.4	53.10	-2.31	379	356		0.7ML	TALKE AREA		
221080	21:20 16.0	56.26	-3.64	298	709		2.3ML	OCHIL HILLS	3	20
231080	12:55 40.9	53.05	-2.14	391	350	0	1.7ML	STOKE CLFD		
231080	23:19 45.8	53.05	-2.16	389	350		1.3ML	STOKE CLFD		
261080	09:57 11.0	53.02	-2.16	389	347	0	0.6ML	STOKE CLFD		
031180	03:50 41.0	53.08	-2.31	379	354		0.6ML	TALKE AREA		
041180	02:52 56.1	56.14	-3.64	298	695		0.1ML	DOLLAR C		
051180	09:55 39.4	53.02	-2.18	388	347	0	1.0ML	STOKE CLFD		
061180	04:19 00.5	55.88	-4.59	238	668	3	1.2ML	PT GLASGOW		
061180	10:16	53.1	-2.2	387	356		1.6ML	STOKE AREA		
071180	05:09	53.1	-2.2	387	356		1.4ML	STOKE AREA		
071180	15:40 25.3	53.11	-2.15	390	357		1.4ML	BIDDULPH		
071180	18:31 20.2	56.13	-3.64	298	694		0.2ML	DOLLAR C		
071180	19:36 01.1	52.96	-2.14	391	340		1.1ML	STOKE CLFD		
081180	09:31 26.1	53.08	-2.28	381	354	4	1.0ML	TALKE AREA		
081180	11:12 01.3	53.08	-2.28	381	354		1.4ML	TALKE AREA		
091180	00:11 01.5	53.10	-2.28	381	356		3.2ML	TALKE AREA	3+	
091180	00:34 19.2	53.08	-2.29	381	354		0.3ML	TALKE AREA		
091180	00:55 15.9	53.07	-2.27	382	353		1.4ML	TALKE AREA		
091180	06:03 44.1	53.07	-2.28	381	353	5	1.1ML	TALKE AREA		
091180	07:12 18.5	53.08	-2.28	381	354	5	2.2ML	TALKE AREA	3+	
091180	07:55 46.7	53.07	-2.26	383	353		2.1ML	TALKE AREA		
091180	08:19 05.3	53.08	-2.29	381	354	5	0.4ML	TALKE AREA		
091180	08:24 49.9	53.07	-2.27	382	353		1.6ML	TALKE AREA		
091180	09:19 59.7	53.06	-2.26	383	351		1.5ML	TALKE AREA		
091180	11:28 33.0	53.06	-2.28	381	351	5	2.5ML	TALKE AREA	3+	
091180	14:34 08.6	53.05	-2.15	390	350		0.5ML	STOKE CLFD		
091180	16:24 57.4	53.08	-2.32	379	354	5	0.6ML	TALKE AREA		
091180	16:58 21.6	53.07	-2.27	382	353		2.0ML	TALKE AREA		
091180	21:04 40.8	53.07	-2.28	381	353		1.9ML	TALKE AREA	3+	
101180	00:33 13.4	53.06	-2.27	382	351		0.7ML	TALKE AREA		
101180	11:44 03.8	53.08	-2.28	381	354	5	0.8ML	TALKE AREA		
101180	16:02 29.5	53.05	-4.16	255	353		1.9ML	BEDDGELERT		
101180	19:47 30.1	53.07	-2.28	381	353		0.9ML	TALKE AREA		
101180	22:10 05.3	53.08	-2.28	381	354		0.1ML	TALKE AREA		
111180	01:15 33.7	55.87	-3.14	329	665		-0.7ML	MIDLOTHIAN C		
111180	06:06 51.2	53.07	-2.33	378	353		0.6ML	TALKE AREA		
111180	09:05 53.4	53.07	-2.27	382	353	5	1.6ML	TALKE AREA		
111180	17:13 21.4	55.92	-3.07	333	670		0.2ML	DANDERHALL C		
111180	17:53 14.8	55.92	-3.11	331	670		0.5ML	DANDERHALL C		
111180	18:32 54.7	55.86	-3.10	331	664	1	0.8ML	DANDERHALL C		
111180	20:01 48.3	53.07	-2.26	383	353	5	1.5ML	TALKE AREA		
111180	22:52 17.9	53.07	-2.27	382	353		0.6ML	TALKE AREA		
121180	04:29 13.2	53.06	-2.27	382	351		0.8ML	TALKE AREA		
121180	05:54 47.9	53.07	-2.26	383	353		0.8ML	TALKE AREA		
121180	08:57 05.5	53.07	-2.27	382	353		1.3ML	TALKE AREA		
121180	09:09 24.3	53.07	-2.27	382	353	5	0.8ML	TALKE AREA		
131180	02:10 22.3	52.98	-2.19	387	343	0	0.4ML	STOKE CLFD		
131180	10:43 23.4	53.06	-2.30	380	351		1.0ML	TALKE AREA		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
131180	21:48 50.8	53.04	-2.19	387 349		0.4ML	STOKE CLFD		
151180	01:16 24.2	55.93	-3.11	331 671		1.0ML	DANDERHALL C		
161180	09:48 22.4	55.86	-3.12	330 664	4	0.2ML	ROSEWELL C		
161180	16:49 43.7	54.60	-3.73	288 524		0.8ML	SOLWAY FIRTH		
171180	03:42 43.7	53.06	-2.12	392 351		1.1ML	STOKE CLFD		
171180	18:11 50.3	62.1	2.0			2.3ML	NORTH SEA		
181180	19:32 21.7	53.06	-2.26	383 351		0.6ML	TALKE AREA		
201180	04:40 23.8	53.07	-2.27	382 353		1.7ML	TALKE AREA		
201180	04:43 21.1	53.07	-2.27	382 353		0.8ML	TALKE AREA		
201180	09:29 26.4	53.04	-2.18	388 349	1	1.1ML	STOKE CLFD		
201180	13:17 04.5	53.04	-2.19	387 349	1	0.6ML	STOKE CLFD		
201180	19:59 22.3	53.09	-2.27	382 355	3	0.6ML	TALKE AREA		
201180	20:26 38.4	53.04	-2.19	387 349	1	0.8ML	STOKE CLFD		
211180	05:12 59.2	53.07	-2.26	383 353	5	0.6ML	TALKE AREA		
211180	11:14 19.9	53.04	-2.19	387 349		0.9ML	STOKE CLFD		
221180	03:45 13.3	53.17	-1.19	454 364		1.8ML	MANSFIELD		
221180	16:39 59.1	53.08	-2.29	381 354		0.3ML	TALKE AREA		
221180	18:49 25.2	53.07	-2.27	382 353	5	1.1ML	TALKE AREA		
231180	11:20 41.5	52.93	-2.11	393 337		0.7ML	STONE AREA		
231180	12:59 26.7	53.05	-2.18	388 350	0	0.3ML	STOKE CLFD		
231180	17:39 51.7	53.03	-2.16	389 348	0	0.5ML	STOKE CLFD		
241180	11:10 38.6	53.04	-2.19	387 349		0.7ML	STOKE CLFD		
241180	17:35 57.8	53.04	-2.18	388 349	0	0.9ML	STOKE CLFD		
251180	10:49 07.1	61.8	2.2			1.9ML	NORTH SEA		
251180	12:50 40.8	53.04	-2.21	386 349		0.7ML	STOKE CLFD		
251180	17:28 30.3	53.03	-2.17	389 348		0.3ML	STOKE CLFD		
261180	03:40 58.5	53.04	-2.19	387 349	1	0.5ML	STOKE CLFD		
261180	11:28 46.7	53.09	-2.26	383 355	3	1.7ML	TALKE AREA		
261180	11:34 26.0	53.08	-2.29	381 354		1.0ML	TALKE AREA		
261180	12:11 35.9	53.07	-2.27	382 353	3	1.2ML	TALKE AREA		
261180	23:01 56.6	55.92	-3.09	332 670		0.6ML	DANDERHALL C		
271180	10:36 05.6	53.04	-2.18	388 349	1	0.9ML	STOKE CLFD		
271180	18:15 31.2	53.08	-2.27	382 354	5	0.7ML	TALKE AREA		
271180	21:03 05.8	53.07	-2.26	383 353	5	1.5ML	TALKE AREA		
281180	01:51 59.4	53.04	-2.19	387 349	1	1.0ML	STOKE CLFD		
281180	05:56 21.4	53.04	-2.19	387 349		0.7ML	STOKE CLFD		
281180	10:34 28.6	53.07	-2.27	382 353	5	1.6ML	TALKE AREA		
281180	13:58 31.1	53.04	-2.20	387 349		0.8ML	STOKE CLFD		
281180	18:17 39.0	55.88	-3.09	332 666	2	0.3ML	LASSWADE C		
281180	18:18 08.5	55.86	-3.10	331 664	4	0.4ML	ROSEWELL C		
291180	06:29 42.5	55.87	-3.13	329 665	0	0.3ML	ROSEWELL C		
301180	08:32 46.8	53.08	-2.28	381 354		0.8ML	TALKE AREA		
301180	17:12 18.4	53.08	-2.28	381 354		1.2ML	TALKE AREA		
301180	23:21 38.5	53.07	-2.28	381 353		0.7ML	TALKE AREA		
301180	23:38 38.9	53.08	-2.29	381 354		0.1ML	TALKE AREA		
011280	14:20 51.9	56.25	-3.74	292 708	5	2.6ML	OCHIL HILLS		
011280	19:30 16.7	55.87	-3.13	329 665	0	0.5ML	ROSEWELL C		
021280	02:43 37.1	53.07	-2.26	383 353	4	1.3ML	TALKE AREA		
021280	06:13 33.7	56.25	-3.74	292 708	3	0.4ML	OCHIL HILLS		
021280	13:55 45.0	53.07	-2.27	382 353	4	1.7ML	TALKE AREA		
021280	13:55 59.7	53.07	-2.27	382 353	5	1.6ML	TALKE AREA		
021280	21:27 44.9	53.06	-2.27	382 351	4	1.7ML	TALKE AREA		
021280	21:53 08.5	53.04	-2.18	388 349	1	0.7ML	STOKE CLFD		
021280	22:21 05.4	53.07	-2.26	383 353	4	0.5ML	TALKE AREA		
031280	02:27 00.4	53.04	-2.19	387 349	1	0.8ML	STOKE CLFD		
031280	02:29 11.0	53.07	-2.28	381 353	5	1.7ML	TALKE AREA		
031280	02:42 54.1	53.07	-2.28	381 353		1.1ML	TALKE AREA		
031280	05:03 55.0	55.87	-3.13	329 665	0	0.9ML	ROSEWELL C		
031280	05:30 19.6	53.07	-2.28	381 353		1.0ML	TALKE AREA		
031280	10:50 49.2	53.07	-2.27	382 353	5	1.6ML	TALKE AREA		
031280	18:15 17.9	53.04	-2.19	387 349		0.7ML	STOKE CLFD		
031280	19:56 20.6	53.07	-2.28	381 353		0.9ML	TALKE AREA		
031280	20:35 57.6	53.07	-2.26	383 353	4	1.5ML	TALKE AREA		
031280	23:33 25.8	53.07	-2.28	381 353		1.2ML	TALKE AREA		
041280	01:11 16.3	53.04	-2.20	387 349		0.6ML	STOKE CLFD		
041280	01:36 31.8	55.87	-3.12	330 665	0	0.2ML	ROSEWELL C		
041280	20:33 20.0	56.15	-3.51	306 696		0.0ML	CR OF DEVON		
041280	21:50 02.7	55.87	-3.13	329 665	3	0.8ML	ROSEWELL C		
051280	02:52 57.1	55.90	-3.19	326 668		0.4ML	MIDLOTHIAN C		
051280	14:01 10.7	56.23	-5.24	199 709		1.2ML	LOCH AWE		
051280	14:56 47.2	53.06	-2.26	383 351		1.0ML	TALKE AREA		
051280	19:06 14.8	53.04	-2.19	387 349	1	0.5ML	STOKE CLFD		
061280	03:20 50.2	53.03	-2.18	388 348		0.7ML	STOKE CLFD		
061280	16:04 21.4	55.88	-3.05	334 666		0.0ML	MIDLOTHIAN C		
061280	18:56 30.4	53.06	-2.27	382 351		1.4ML	TALKE AREA		
071280	13:51 39.7	53.07	-2.27	382 353	5	1.3ML	TALKE AREA		
071280	13:59 10.6	53.07	-2.27	382 353		1.0ML	TALKE AREA		
071280	22:21 33.3	55.88	-3.12	330 666	2	0.4ML	LASSWADE C		
081280	00:25 01.5	53.10	-2.13	391 356		1.5ML	BIDDULPH		
081280	08:52 18.3	53.03	-2.20	387 348		0.6ML	STOKE CLFD		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid KmE	ref KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
091280	17:08	45.8	53.04	-2.19	387 349	0	0.8ML	STOKE CLFD		
091280	17:14	28.2	55.87	-3.13	329 665	2	1.0ML	LASSWADE	C	
091280	20:17	37.8	53.03	-2.16	389 348	0	0.4ML	STOKE CLFD		
091280	20:27	21.4	53.03	-2.19	387 348	0	0.7ML	STOKE CLFD		
101280	00:39	57.7	53.08	-2.20	387 354		0.2ML	STOKE CLFD		
101280	07:01	24.7	53.09	-2.26	383 355		0.7ML	TALKE AREA		
101280	09:55	41.2	53.04	-2.19	387 349		0.8ML	STOKE CLFD		
101280	18:33	48.1	55.91	-3.07	333 669	0	0.2ML	MILLERHILL	C	
111280	09:08	01.8	53.08	-2.27	382 354		0.6ML	TALKE AREA		
111280	09:52	54.3	53.08	-2.28	381 354		1.2ML	TALKE AREA		
111280	11:10	15.2	53.04	-2.19	387 349	1	0.7ML	STOKE CLFD		
111280	19:49	29.1	55.88	-3.12	330 666	0	0.9ML	LASSWADE	C	
111280	20:49	03.9	55.94	-3.07	333 672	3	-0.1ML	BRUNSTANE	C	
121280	01:52	43.8	53.04	-2.16	389 349	0	0.4ML	STOKE CLFD		
121280	03:09	53.6	53.07	-2.30	380 353		1.5ML	TALKE AREA		
121280	12:27	06.8	56.11	-3.49	307 692		1.0ML	W FIFE	C	
121280	20:29	54.9	55.88	-3.10	331 666		0.5ML	LASSWADE	C	
121280	22:56	43.5	55.88	-3.12	330 666	0	0.9ML	LASSWADE	C	
131280	09:14	02.9	55.88	-3.10	331 666		-0.3ML	LASSWADE	C	
131280	10:31	01.4	55.02	-2.86	345 570	6	3.5ML	LONGTOWN	5	1000
131280	10:45	48.8	54.99	-2.83	347 566	7	0.7ML	LONGTOWN		
141280	02:23	58.7	53.07	-2.27	382 353	5	1.2ML	TALKE AREA		
141280	05:29	39.6	55.02	-2.82	348 570	6	1.1ML	LONGTOWN		
141280	07:25	54.2	53.07	-2.18	388 353		0.6ML	STOKE CLFD		
141280	14:28	16.9	61.9	2.7			1.7ML	NORTH SEA		
151280	07:25	05.0	53.04	-2.20	387 349	1	0.6ML	STOKE CLFD		
151280	11:58	53.0	53.04	-2.19	387 349		0.8ML	STOKE CLFD		
161280	02:26	53.6	55.88	-3.13	329 666	0	0.6ML	POLTON	C	
161280	11:57	51.1	53.07	-2.26	383 353	5	1.5ML	TALKE AREA		
161280	15:10	30.2	53.02	-2.17	389 347		1.3ML	STOKE CLFD		
161280	16:30	22.4	54.98	-2.83	347 565	6	0.6ML	LONGTOWN		
161280	18:38	36.6	56.25	-3.74	292 708	6	1.1ML	OCHIL HILLS		
161280	23:33	58.3	56.24	-3.73	293 707	9	0.3ML	OCHIL HILLS		
171280	01:33	50.0	55.87	-3.12	330 665	0	0.5ML	LASSWADE	C	
171280	06:18	46.2	55.88	-3.10	331 666	2	0.4ML	LASSWADE	C	
171280	16:30	29.6	53.04	-2.19	387 349		0.9ML	STOKE CLFD		
171280	17:25	24.9	55.91	-3.14	329 669		0.2ML	GILMERTON	C	
171280	17:25	30.2	55.92	-3.07	333 670	2	0.7ML	MIDLOTHIAN	C	
181280	04:42	58.0	55.93	-3.09	332 671		0.5ML	DANDERHALL	C	
181280	04:43	24.5	55.96	-3.16	328 675		0.6ML	MIDLOTHIAN	C	
181280	05:41	39.1	55.87	-3.13	329 665	2	0.5ML	POLTON	C	
181280	05:44	22.3	55.87	-3.13	329 665	3	0.4ML	POLTON	C	
181280	12:31	16.8	55.87	-4.28	257 666		0.8ML	GLASGOW		
191280	04:14	54.4	53.04	-2.19	387 349	0	0.7ML	STOKE CLFD		
201280	02:01	02.5	53.04	-2.18	388 349	0	0.1ML	STOKE CLFD		
211280	20:31	29.1	53.04	-2.19	387 349	0	0.7ML	STOKE CLFD		
221280	07:54	33.1	53.10	-2.28	381 356		1.7ML	TALKE AREA		
221280	09:22	51.5	55.87	-3.12	330 665	1	1.0ML	LASSWADE	C	
221280	15:07	33.2	53.10	-2.28	381 356		1.7ML	TALKE AREA		
221280	16:32	21.5	53.04	-2.19	387 349		0.8ML	STOKE CLFD		
221280	20:49	38.0	55.87	-3.12	330 665	0	0.4ML	LASSWADE	C	
231280	01:23	44.8	55.87	-3.15	328 665	3	0.1ML	ROSLIN	C	
231280	04:55	33.8	53.09	-2.27	382 355	4	1.4ML	TALKE AREA		
231280	12:45	48.1	55.87	-3.10	331 665		-0.2ML	LASSWADE	C	
231280	19:34	37.4	55.01	-2.86	345 569	7	1.2ML	LONGTOWN		
241280	07:28	23.8	55.87	-3.11	331 665	0	0.0ML	LASSWADE	C	
241280	07:28	27.0	55.87	-3.12	330 665	0	0.5ML	LASSWADE	C	
241280	19:30	25.5	55.92	-3.13	329 670		0.6ML	DANDERHALL	C	
241280	20:17	56.1	55.91	-3.28	320 669		0.3ML	DANDERHALL	C	
251280	10:14	06.9	55.87	-3.12	330 665	0	0.9ML	LASSWADE	C	
261280	16:25	24.6	53.07	-2.27	382 353		1.4ML	TALKE AREA		
261280	16:26	48.1	53.07	-2.28	381 353	4	1.2ML	TALKE AREA		
261280	19:27	42.1	53.07	-2.27	382 353		1.6ML	TALKE AREA		
271280	01:00	46.6	53.10	-2.29	381 356	4	0.3ML	TALKE AREA		
281280	14:23	21.4	53.10	-2.27	382 356		1.5ML	TALKE AREA		
281280	21:47	42.9	53.48	-4.22	253 400		2.4ML	OFF ANGLESEY	3+	
010181	00:11	25.9	53.07	-2.27	382 353		0.4ML	TALKE AREA		
020181	17:22	31.6	55.02	-2.82	348 570	5	0.9ML	LONGTOWN		
030181	18:46	59.4	54.49	-1.85	410 511		2.3ML	BARNARD CAS.		
050181	03:53	28.9	56.04	-5.23	199 688		1.9ML	LOCHGILPHEAD		
060181	12:54	37.3	56.43	-5.60	178 732		1.4ML	OBAN AREA		
080181	05:28	01.6	55.95	-3.09	332 674		0.1ML	BRUNSTANE	C	
080181	11:02	02.7	55.87	-3.13	329 665	0	0.9ML	POLTON	C	
080181	17:01	38.6	55.86	-3.16	327 664		0.7ML	ROSLIN	C	
090181	18:50	04.4	56.11	-3.70	294 692		0.8ML	CLACKMANNAN		
120181	14:04	48.7	55.87	-3.13	329 665	1	0.6ML	POLTON	C	
140181	01:06	13.7	55.87	-3.15	328 665		0.4ML	POLTON	C	2
140181	19:00	38.4	53.09	-2.15	390 355		0.4ML	KNYPERSLEY		1
170181	02:11	08.4	55.94	-3.09	332 672		1.2ML	BRUNSTANE	C	
170181	02:17	39.9	55.96	-3.09	332 675		1.1ML	BRUNSTANE	C	

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
170181	04:52 38.7	55.02	-2.87	344 570	6	1.7ML	LONGTOWN		
200181	14:30 56.3	55.02	-2.87	344 570	4	0.9ML	LONGTOWN		
210181	19:59 36.5	55.91	-3.09	332 669	0	-0.1ML	DANDERHALL C		
210181	19:59 36.7	55.92	-3.10	331 670	1	0.3ML	DANDERHALL C		
210181	22:19 01.3	52.92	-2.08	395 336		1.1ML	STONE AREA		
210181	23:17 10.3	53.08	-2.27	382 354	5	1.4ML	TALKE AREA		
220181	03:03 34.5	55.01	-2.87	344 569	6	1.4ML	LONGTOWN		
230181	01:27 25.7	55.00	-0.80	477 568		2.0ML	OFF TYNEMTH		
230181	03:02 09.4	56.21	-4.80	226 705		1.3ML	ARROCHAR		
230181	11:19 06.5	55.87	-3.13	329 665		1.1ML	POLTON C		
230181	12:29 35.3	53.07	-2.19	387 353	0	1.1ML	STOKE CLFD		
230181	22:52 48.4	53.08	-2.18	388 354	0	1.7ML	STOKE CLFD		
240181	03:01 57.1	53.08	-2.27	382 354	5	0.4ML	TALKE AREA		
250181	15:48 15.1	54.38	-2.87	343 499		0.8ML	WINDERMERE		
260181	18:21 52.6	55.86	-3.12	330 664		0.4ML	LASSWADE C		
280181	14:54 54.2	56.15	-5.19	202 700		1.6ML	LOCH QUOICH		
290181	03:29 57.8	53.08	-2.28	381 354		0.7ML	TALKE AREA		
290181	07:00 46.1	55.87	-3.13	329 665	1	1.0ML	POLTON C		
300181	02:47 05.6	56.10	-3.75	291 691		0.8ML	CLACKMANNAN		
300181	03:40 35.6	55.01	-2.85	346 569	6	1.1ML	LONGTOWN		
310181	00:59 50.0	57.2	6.3	901 843		2.7ML	E NORTH SEA		
010281	00:08 19.4	55.85	-3.14	329 662	1	0.1ML	ROSEWELL C		
010281	01:09 36.2	55.73	-4.19	262 651		0.9ML	E. KILBRIDE		
040281	19:12 57.8	55.95	-3.10	331 674		0.8ML	BRUNSTANE C		
050281	02:43 41.8	55.85	-3.08	332 662	0	0.5ML	CARRINGTON C		
050281	19:30 26.6	55.87	-3.14	329 665	3	0.2ML	POLTON C		
060281	15:28 43.1	56.75	-5.75	171 768		1.4ML	SUNART		
120281	16:26 28.8	54.8	-1.4	439 545		2.0ML	CO DURHAM		
130281	09:59 43.2	56.27	-3.74	292 710		0.8ML	OCHIL HILLS		
130281	10:25 03.9	56.26	-3.74	292 709		0.5ML	OCHIL HILLS		
170281	06:27 24.5	56.76	-5.30	198 768		1.5ML	ARDGOUR		
170281	21:26 40.3	56.13	-3.59	301 694	1	0.3ML	SALINE C		
180281	02:45 37.6	55.96	-3.10	331 675		0.0ML	PORTOBELLO C		
200281	18:42 38.1	57.31	-3.90	286 826	1	1.3ML	CARBRIDGE		
220281	22:54 08.8	55.02	-2.87	344 570	5	1.2ML	LONGTOWN		
230281	16:30 18.1	56.21	-5.01	213 706	0	1.2ML	INVERARAY		
240281	02:24 50.2	57.05	-5.59	182 801		0.7ML	KNOYDART		
240281	18:18 25.8	56.09	-3.72	293 690	0	0.6ML	CLACKMANN C		
240281	19:29	52.04	-3.22	316 239		0.8ML	HAY ON WYE		
250281	05:52 08.5	56.10	-3.69	295 691	0	1.1ML	CLACKMANN C		
250281	18:09 31.7	56.13	-3.60	301 694		0.4ML	DOLLAR		
250281	19:16 18.3	50.12	-5.16	174 29	5	2.3ML	CONSTANTINE	4	
250281	19:18 57.5	50.11	-5.17	173 28	6	0.6ML	CONSTANTINE		
250281	19:20 12.9	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
250281	19:24 10.7	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
250281	19:28 08.1	50.11	-5.17	173 28	6	-0.4ML	CONSTANTINE		
250281	19:28 14.7	50.11	-5.18	173 28	5	-0.4ML	CONSTANTINE		
250281	19:28 39.8	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
250281	19:29 07.5	50.11	-5.18	173 28	5	-0.6ML	CONSTANTINE		
250281	19:31 44.0	50.11	-5.18	173 28	6	-0.4ML	CONSTANTINE		
250281	19:32 33.8	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
250281	19:33 15.6	50.11	-5.17	173 28	6	0.3ML	CONSTANTINE		
250281	19:35 31.8	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
250281	19:36 43.1	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	19:39 36.2	50.11	-5.17	173 28	6	0.6ML	CONSTANTINE		
250281	19:41 30.5	50.06	-5.14	175 23	10	0.7ML	CONSTANTINE		
250281	19:46 20.3	50.11	-5.18	173 28	6	-1.0ML	CONSTANTINE		
250281	19:50 08.5	50.10	-5.19	172 27	6	-0.5ML	CONSTANTINE		
250281	19:52 57.7	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
250281	19:58 51.8	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE,		
250281	19:59 11.4	50.11	-5.18	173 28	6	1.0ML	CONSTANTINE		
250281	20:09 46.4	50.11	-5.17	173 28	6	-0.7ML	CONSTANTINE		
250281	20:12 23.5	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
250281	20:12 29.9	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	20:24 00.3	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
250281	20:28 31.3	50.11	-5.18	173 28	5	0.1ML	CONSTANTINE		
250281	20:30 39.8	50.11	-5.17	173 28	5	-0.1ML	CONSTANTINE		
250281	20:31 07.7	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	20:32 56.8	50.11	-5.17	173 28	5	3.5ML	CONSTANTINE	5	2500
250281	20:35 50.6	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	20:36 15.6	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
250281	20:37 18.3	50.11	-5.17	173 28	6	-0.2ML	CONSTANTINE		
250281	20:37 27.6	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
250281	20:38 06.2	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
250281	20:38 21.9	50.11	-5.17	173 28	6	0.3ML	CONSTANTINE		
250281	20:38 38.6	50.11	-5.18	173 28	6	1.2ML	CONSTANTINE		
250281	20:39 26.1	50.11	-5.17	173 28	6	-0.3ML	CONSTANTINE		
250281	20:40 58.8	50.11	-5.17	173 28	6	0.8ML	CONSTANTINE		
250281	20:45 48.0	50.07	-5.18	172 24	7	0.5ML	CONSTANTINE		
250281	20:45 53.0	50.10	-5.17	173 27	7	0.2ML	CONSTANTINE		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid ref KME KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
250281	20:46 24.8	50.12	-5.18	173 29	6	-0.2ML	CONSTANTINE		
250281	20:47 43.3	50.11	-5.18	173 28	6	-0.1ML	CONSTANTINE		
250281	20:47 46.1	50.11	-5.17	173 28	5	0.7ML	CONSTANTINE		
250281	20:47 57.6	50.11	-5.18	173 28	6	0.5ML	CONSTANTINE		
250281	20:48 01.4	50.11	-5.17	173 28	7	0.7ML	CONSTANTINE		
250281	20:48 08.1	50.12	-5.18	173 29	6	0.8ML	CONSTANTINE		
250281	20:58 48.7	50.11	-5.17	173 28	5	0.4ML	CONSTANTINE		
250281	20:58 59.2	50.12	-5.18	173 29	6	1.0ML	CONSTANTINE		
250281	21:03 32.8	50.11	-5.17	173 28	6	1.6ML	CONSTANTINE		
250281	21:07 25.2	50.12	-5.17	173 29	6	-0.9ML	CONSTANTINE		
250281	21:10 50.3	50.11	-5.18	173 28	6	0.7ML	CONSTANTINE		
250281	21:13 18.7	50.11	-5.18	173 28	6	1.0ML	CONSTANTINE		
250281	21:14 50.2	50.12	-5.18	173 29	6	0.7ML	CONSTANTINE		
250281	21:18 49.2	50.11	-5.18	173 28	6	0.5ML	CONSTANTINE		
250281	21:25 39.9	50.11	-5.18	173 28	6	0.0ML	CONSTANTINE		
250281	21:26 28.8	50.12	-5.17	173 29	6	-0.8ML	CONSTANTINE		
250281	21:27 59.3	50.11	-5.17	173 28	6	-0.4ML	CONSTANTINE		
250281	21:30 07.4	50.12	-5.18	173 29	7	0.5ML	CONSTANTINE		
250281	21:33 33.9	50.11	-5.18	173 28	6	-0.4ML	CONSTANTINE		
250281	21:40 26.1	50.11	-5.17	173 28	6	1.9ML	CONSTANTINE		
250281	21:42 04.8	50.11	-5.18	173 28	6	0.3ML	CONSTANTINE		
250281	21:49 01.7	50.12	-5.18	173 29	6	0.4ML	CONSTANTINE		
250281	21:49 13.4	50.10	-5.19	172 27	6	0.1ML	CONSTANTINE		
250281	21:49 43.7	50.11	-5.19	172 28	5	0.1ML	CONSTANTINE		
250281	21:51 03.5	50.11	-5.18	173 28	6	-0.1ML	CONSTANTINE		
250281	21:51 55.4	50.11	-5.18	173 28	6	0.9ML	CONSTANTINE		
250281	21:55 22.6	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	22:11 22.1	50.14	-5.17	174 32	10	-0.2ML	CONSTANTINE		
250281	22:12 18.4	50.11	-5.18	173 28	6	-0.3ML	CONSTANTINE		
250281	22:15 52.2	50.11	-5.18	173 28	6	-0.2ML	CONSTANTINE		
250281	22:22 10.4	50.11	-5.18	173 28	6	-0.5ML	CONSTANTINE		
250281	22:23 06.4	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	22:25 04.3	50.11	-5.18	173 28	6	-0.1ML	CONSTANTINE		
250281	22:26 17.1	50.11	-5.18	173 28	6	-0.6ML	CONSTANTINE		
250281	22:27 28.1	50.11	-5.18	173 28	6	-0.2ML	CONSTANTINE		
250281	22:31 00.2	50.11	-5.18	173 28	6	0.1ML	CONSTANTINE		
250281	22:32 41.6	50.11	-5.17	173 28	5	-0.4ML	CONSTANTINE		
250281	22:37 20.7	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
250281	22:38 11.5	50.11	-5.18	173 28	6	-0.2ML	CONSTANTINE		
250281	22:47 25.8	50.11	-5.17	173 28	6	-0.3ML	CONSTANTINE		
250281	22:56 49.8	50.11	-5.18	173 28	6	-0.3ML	CONSTANTINE		
250281	22:57 32.9	50.11	-5.18	173 28	6	0.8ML	CONSTANTINE		
250281	23:09 22.2	50.12	-5.18	173 29	1	-0.8ML	CONSTANTINE		
250281	23:21 48.0	50.10	-5.19	172 27	7	-0.6ML	CONSTANTINE		
250281	23:22 41.4	50.11	-5.18	173 28	6	0.1ML	CONSTANTINE		
250281	23:23 03.8	50.11	-5.18	173 28	6	0.4ML	CONSTANTINE		
250281	23:39 30.6	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
250281	23:40 44.4	50.11	-5.17	173 28	7	1.3ML	CONSTANTINE		
250281	23:44 37.4	50.11	-5.18	173 28	6	-0.4ML	CONSTANTINE		
250281	23:44 43.0	50.11	-5.18	173 28	6	-0.6ML	CONSTANTINE		
250281	23:45 57.1	50.11	-5.18	173 28	6	-0.4ML	CONSTANTINE		
250281	23:48 36.2	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	23:51 35.8	50.12	-5.18	173 29	6	-0.2ML	CONSTANTINE		
250281	23:52 00.8	50.12	-5.18	173 29	6	-0.1ML	CONSTANTINE		
250281	23:56 20.5	50.11	-5.18	173 28	6	-0.1ML	CONSTANTINE		
250281	23:57 05.1	50.11	-5.18	173 28	6	-0.2ML	CONSTANTINE		
260281	00:05 37.7	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
260281	00:07 29.2	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
260281	00:11 44.2	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
260281	00:12 00.4	50.11	-5.17	173 28	6	0.1ML	CONSTANTINE		
260281	00:12 03.0	50.07	-5.15	175 24	8	-0.4ML	CONSTANTINE		
260281	00:21 15.8	50.11	-5.17	173 28	6	1.0ML	CONSTANTINE		
260281	00:30 21.4	50.11	-5.18	173 28	6	-0.4ML	CONSTANTINE		
260281	00:39 16.8	50.11	-5.17	173 28	6	0.5ML	CONSTANTINE		
260281	01:02 09.2	50.11	-5.17	173 28	6	-0.7ML	CONSTANTINE		
260281	01:02 22.5	50.11	-5.17	173 28	6	-0.8ML	CONSTANTINE		
260281	01:06 14.8	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
260281	01:14 34.9	50.11	-5.17	173 28	6	-0.5ML	CONSTANTINE		
260281	01:15 52.8	50.11	-5.16	174 28	7	-0.7ML	CONSTANTINE		
260281	01:30 16.2	50.11	-5.17	173 28	6	-0.3ML	CONSTANTINE		
260281	01:32 29.3	50.10	-5.18	173 27	5	0.5ML	CONSTANTINE		
260281	01:44 38.6	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
260281	02:14 18.6	50.10	-5.18	173 27	6	-0.8ML	CONSTANTINE		
260281	02:27 27.6	50.11	-5.17	173 28	6	-0.8ML	CONSTANTINE		
260281	03:45 11.1	50.11	-5.17	173 28	7	-0.8ML	CONSTANTINE		
260281	03:55 58.6	50.10	-5.18	173 27	6	-0.7ML	CONSTANTINE		
260281	04:11 54.3	50.11	-5.17	173 28	6	-0.3ML	CONSTANTINE		
260281	04:37 50.3	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
260281	04:55 52.0	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
260281	04:57 50.3	50.11	-5.17	173 28	6	-0.5ML	CONSTANTINE		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
260281	05:36 33.7	50.11	-5.17	173 28	5	-0.5ML	CONSTANTINE		
260281	05:36 45.9	50.11	-5.17	173 28	6	0.3ML	CONSTANTINE		
260281	06:03 37.3	50.11	-5.17	173 28	6	-0.4ML	CONSTANTINE		
260281	06:05 21.0	50.11	-5.17	173 28	5	-0.4ML	CONSTANTINE		
260281	06:20 30.4	50.11	-5.17	173 28	6	-0.5ML	CONSTANTINE		
260281	06:51 40.0	50.11	-5.17	173 28	6	-0.4ML	CONSTANTINE		
260281	07:00 06.2	50.11	-5.17	173 28	6	0.3ML	CONSTANTINE		
260281	07:33 19.0	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
260281	07:33 43.4	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
260281	07:49 20.7	50.11	-5.17	173 28	6	-0.5ML	CONSTANTINE		
260281	08:54 23.4	50.11	-5.18	173 28	6	-0.5ML	CONSTANTINE		
260281	08:57 49.5	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
260281	09:32 11.9	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
260281	09:52 43.1	50.11	-5.17	173 28	6	2.0ML	CONSTANTINE	4	
260281	10:04 52.4	50.11	-5.17	173 28	6	0.7ML	CONSTANTINE		
260281	10:33 20.0	50.11	-5.18	173 28	6	0.0ML	CONSTANTINE		
260281	10:44 36.8	50.11	-5.17	173 28	6	-0.4ML	CONSTANTINE		
260281	10:51 48.9	50.11	-5.18	173 28	6	-0.5ML	CONSTANTINE		
260281	11:02 07.8	50.11	-5.18	173 28	7	-0.4ML	CONSTANTINE		
260281	11:21 20.4	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
260281	11:54 46.1	50.11	-5.17	173 28	6	0.8ML	CONSTANTINE		
260281	13:26 16.7	50.11	-5.17	173 28	6	0.1ML	CONSTANTINE		
260281	15:50 41.4	50.11	-5.17	173 28	7	-0.5ML	CONSTANTINE		
260281	16:00 10.2	50.11	-5.17	173 28	6	-0.2ML	CONSTANTINE		
260281	17:04 58.6	50.11	-5.17	173 28	6	0.1ML	CONSTANTINE		
260281	17:05 59.4	50.11	-5.17	173 28	6	-0.4ML	CONSTANTINE		
260281	17:54 19.9	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
260281	19:17 38.9	50.11	-5.17	173 28	6	-0.4ML	CONSTANTINE		
260281	19:46 35.6	50.11	-5.17	173 28	7	0.6ML	CONSTANTINE		
260281	21:23 53.7	50.11	-5.17	173 28	6	-0.3ML	CONSTANTINE		
260281	21:35 59.3	50.11	-5.17	173 28	6	-0.7ML	CONSTANTINE		
260281	22:22 46.6	50.11	-5.17	173 28	6	0.3ML	CONSTANTINE		
260281	22:41 49.9	50.11	-5.17	173 28	6	-0.5ML	CONSTANTINE		
260281	22:57 55.8	50.11	-5.17	173 28	6	1.0ML	CONSTANTINE		
260281	23:23 47.6	50.11	-5.17	173 28	6	-0.7ML	CONSTANTINE		
270281	01:34 47.0	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
270281	02:58 03.8	50.11	-5.17	173 28	6	0.3ML	CONSTANTINE		
270281	12:22 42.8	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
270281	12:23 40.0	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
270281	16:27 57.8	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
280281	00:52 30.4	50.11	-5.18	173 28	7	-0.7ML	CONSTANTINE		
280281	07:47 46.1	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
280281	16:51 25.7	50.06	-5.16	174 23	1	-0.8ML	S HELSTON		
010381	02:08 55.6	50.12	-5.16	174 29	7	-0.9ML	CONSTANTINE		
010381	05:40 37.4	50.11	-5.17	173 28	6	-0.5ML	CONSTANTINE		
010381	16:03 25.7	50.10	-5.18	173 27	6	-0.6ML	CONSTANTINE		
030381	01:20 37.9	50.11	-5.17	173 28	6	0.6ML	CONSTANTINE		
040381	12:28 49.4	57.28	-5.26	204 826		1.2ML	KINTAIL		
040381	14:10 42.6	55.95	-3.05	334 673		0.3ML	MUSSELBGH C		
050381	08:20 06.4	55.88	-3.11	331 666		0.0ML	LASSWADE C		
070381	15:59 41.3	55.88	-3.13	329 666	3	0.1ML	LASSWADE C		
090381	04:46 46.8	61.4	4.2			3.1ML	NORTH SEA	3+	
100381	16:30 24.7	56.15	-5.08	209 700	0	1.5ML	INVERARAY		
110381	03:47 24.2	55.89	-3.10	331 667		0.8ML	LASSWADE C		
110381	12:06 29.6	55.86	-3.14	329 664	3	1.2ML	POLTON C		
110381	22:40 44.0	57.13	-5.23	205 809		1.1ML	KINTAIL		
120381	16:28 41.4	54.86	-1.29	446 552		1.8ML	OFF SUNDERLD		
160381	13:05 32.0	55.99	-3.66	296 679		1.1ML	BO'NESS C		
160381	13:47 30.1	55.00	-2.85	346 568	6	1.3ML	LONGTOWN		
160381	21:51 09.4	54.75	-0.60	490 540		1.8ML	OFF WHITBY		
190381	01:35 33.3	60.5	1.5			2.3ML	NORTH SEA		
190381	07:47 28.3	55.02	-2.89	343 570	7	1.7ML	LONGTOWN	3	10
190381	18:25 42.1	57.75	-2.82	351 874	0	1.1ML	OFF CULLEN		
200381	02:51 03.6	56.24	-4.91	220 709	0	0.9ML	ARROCHAR		
230381	14:45 00.1	56.67	-3.88	285 755	0	0.5ML	ABERFELDY		
240381	00:42 09.4	56.08	-3.73	292 689	1	0.7ML	KINCARDINE C		
240381	05:10 54.8	55.88	-3.15	328 666		0.2ML	LOANHEAD C		
240381	10:58 24.3	56.13	-3.61	300 694	0	0.5ML	SALINE C		
240381	18:14 07.3	56.10	-3.71	294 691	1	1.5ML	CLACKMANN C		
250381	22:14 50.4	55.28	-3.47	307 599	3	2.0ML	BEATOCK AREA		
260381	21:08 56.6	55.65	-6.34	127 648		1.3ML	ISLAY		
270381	13:16 40.2	55.91	-3.06	334 669	3	0.2ML	MILLERHILL C		
300381	04:07	53.3	-5.1	193 383		1.4ML	IRISH SEA		
310381	15:51 34.2	54.00	-2.28	382 456		1.2ML	RIBBLESDALE		
020481	04:09 24.7	55.86	-3.14	329 664	0	0.3ML	ROSEWELL C		
020481	05:36 38.2	56.17	-4.86	222 701	0	0.7ML	ARROCHAR		
020481	09:07 47.3	61.6	1.3			1.7ML	NORTH SEA		
020481	20:12 27.0	55.85	-3.21	324 663	2	0.0ML	GLENCOURSE C		
030481	08:10 55.4	56.06	-4.60	238 688	0	0.3ML	LOCH LOMOND		
030481	08:14 32.3	56.15	-4.88	221 699	0	1.2ML	LOCH GOIL		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid KmE	ref KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
030481	21:26 12.6	55.87	-3.12	330	665	0	0.6ML	POLTON	C	
030481	21:49 09.1	55.87	-3.12	330	665	1	0.5ML	POLTON	C	
060481	17:52	53.08	-2.26	383	354	3	2.5ML	TALKE AREA		
070481	12:22	53.07	-2.27	382	353	4	1.8ML	TALKE AREA		
070481	16:59	53.08	-2.26	383	354	4	1.6ML	TALKE AREA		
080481	03:50 11.9	55.87	-3.12	330	665	0	0.4ML	POLTON	C	
080481	12:54 41.8	55.87	-3.14	329	665	0	0.3ML	POLTON	C	
080481	19:34 20.4	55.49	-2.50	368	622	0	0.8ML	JEDBURGH		
100481	00:21 46.4	55.87	-3.13	329	665	0	0.1ML	POLTON	C	
100481	06:01 03.5	53.08	-2.26	383	354	4	1.2ML	TALKE AREA		
130481	18:10	53.08	-2.20	387	354		1.9ML	STOKE CLFD		
140481	18:28 04.1	56.09	-3.72	293	690	3	0.9ML	KINCARDINE	C	
140481	18:30 28.6	56.11	-3.80	288	692		0.5ML	ALLOA	C	
150481	18:46 03.2	55.52	-4.04	271	627	1	1.2ML	MUIRKIRK		
160481	06:38 13.9	62.0	1.9				2.2ML	NORTH SEA		
160481	18:33 44.6	55.24	-2.82	348	594		0.7ML	LIDDESDALE		
160481	18:34 25.2	55.87	-3.12	330	665	0	0.4ML	POLTON	C	
250481	01:45 42.9	55.05	-2.77	351	573	6	1.9ML	LONGTOWN		
250481	01:49 54.7	55.09	-2.80	349	578	0	1.1ML	LONGTOWN		
250481	15:42 42.0	55.86	-3.13	329	664		0.3ML	ROSEWELL	C	
260481	09:53 08.7	55.48	-3.83	284	622	2	1.0ML	CRAWFORDJOHN		
260481	16:50 44.9	57.03	-5.48	189	799		1.2ML	KNOYDART		
270481	01:32 08.1	56.43	-4.29	259	729	3	-0.1ML	KILLIN AREA		
280481	21:35 17.9	55.10	-2.81	348	579		1.2ML	LONGTOWN		
280481	21:42	52.35	-2.82	344	273		1.6ML	LUDLOW AREA		
290481	04:12 16.1	55.11	-2.75	352	580	4	1.1ML	LONGTOWN		
290481	07:54 31.6	55.86	-3.15	328	664	2	0.1ML	ROSLIN	C	
300481	14:17 22.8	56.10	-3.68	296	691		1.0ML	CLACKMANNN	C	
010581	02:03 07.4	55.88	-3.10	331	666		0.2ML	BONNYRIGG	C	
010581	03:49 28.5	55.95	-3.09	332	674		0.4ML	JOPPA	C	
010581	11:25 00.5	55.86	-3.14	329	664		0.3ML	ROSLIN GL	C	
020581	17:44 23.2	55.84	-3.13	329	661		0.0ML	ROSEWELL		
030581	21:44	54.43	-1.88	408	504		2.4ML	RICHMOND YKS		
030581	21:56 47.7	56.12	-3.93	280	694		0.3ML	STIRLING		
060581	00:47 26.5	53.06	-2.26	383	351	4	1.9ML	TALKE AREA		
060581	06:40 20.8	55.86	-3.14	329	664	0	0.2ML	ROSLIN GL	C	
070581	00:29 56.7	51.98	-3.62	289	233		2.4ML	LLANDOVERY		
070581	13:29 04.9	55.85	-3.15	328	662		0.2ML	ROSEWELL		
070581	18:23 12.1	55.87	-3.14	329	665		0.4ML	POLTON	C	
070581	23:33 56.7	55.85	-3.14	329	662	3	0.9ML	ROSEWELL	C	
080581	11:38 00.7	56.21	-4.80	226	705	5	1.0ML	ARROCHAR		
090581	22:01 31.7	55.86	-3.14	329	664	2	0.2ML	ROSLIN GL	C	
110581	18:09 00.8	55.87	-3.11	331	665	0	0.1ML	LASSWADE	C	
130581	07:25 12.3	55.85	-3.14	329	662	0	0.5ML	ROSEWELL	C	
130581	13:37 44.2	55.19	-2.46	371	589		1.6ML	KIELDER RES		
140581	02:23 42.9	55.86	-3.14	329	664		0.2ML	ROSLIN GL	C	
150581	02:51 59.1	55.86	-3.14	329	664		0.3ML	ROSLIN GL	C	
180581	07:38 27.8	55.86	-3.14	329	664		0.4ML	ROSLIN GL	C	
180581	14:59 27.2	56.07	-3.63	299	688		0.8ML	BLAIRHALL	C	
190581	03:39 47.5	55.88	-3.12	330	666		0.8ML	POLTON	C	
200581	09:57 21.0	55.87	-3.12	330	665	0	0.9ML	POLTON	C	
210581	12:28 55.0	56.10	-3.66	297	691	0	1.3ML	CLACKMANNN	C	
210581	20:54 49.5	56.09	-3.71	294	690		1.0ML	CLACKMANNN	C	
220581	01:29 47.1	56.12	-3.70	294	693	1	1.4ML	CLACKMANNN	C	2
220581	23:50	53.07	-2.25	383	353		1.6ML	TALKE AREA		
240581	00:04	53.03	-2.19	387	348	0	3.1ML	STOKE CLFD		
240581	07:40 14.3	55.86	-3.14	329	664	0	0.6ML	ROSLIN GL	C	
260581	21:48 34.7	55.87	-3.14	329	665	2	0.4ML	POLTON	C	
010681	20:09 15.9	56.16	-4.87	222	700	3	1.7ML	LOCHGOILHEAD		
020681	03:52 12.8	55.86	-3.14	329	664	2	0.8ML	POLTON	C	
030681	23:17 57.0	55.89	-3.14	329	667		0.2ML	LOANHEAD	C	
040681	12:14 56.9	55.87	-3.14	329	665	1	0.8ML	ROSLIN GL	C	
050681	04:51 24.6	55.86	-3.14	329	664		1.0ML	ROSLIN GL	C	
050681	05:02 31.9	55.91	-3.11	331	669	3	0.2ML	GILMERTON	C	
050681	05:02 42.2	55.92	-3.13	329	670		0.5ML	LIT FRANCE	C	
050681	07:20 39.8	56.29	-3.50	307	712	1	0.8ML	OCHIL HILLS		
050681	11:33 26.2	55.86	-3.15	328	664	0	0.2ML	ROSLIN	C	
060681	09:06 04.3	55.86	-3.14	329	664	0	0.1ML	ROSLIN	C	
090681	18:44 11.3	57.12	-5.50	188	809		2.6ML	KINTAIL		
090681	22:00 21.8	55.93	-3.08	333	671	1	1.2ML	NEWCRHALL	C	
090681	23:42 27.6	61.2	3.5				2.0ML	NORTH SEA		
090681	23:47 18.1	60.9	3.9				1.9ML	NORTH SEA		
100681	17:42 29.0	53.48	-2.20	387	398	0	0.0ML	STOKE CLFD		
110681	07:43 40.1	55.85	-3.14	329	662	0	0.8ML	ROSEWELL	C	
110681	17:40 28.6	53.08	-2.27	382	354	4	1.5ML	TALKE AREA		
120681	07:36 42.7	50.38	-4.33	234	56	8	2.5ML	LISKEARD	4	1000
150681	11:52 10.9	60.2	1.6				1.6ML	NORTH SEA		
150681	12:52 44.1	60.2	1.6				2.9ML	NORTH SEA		
150681	13:01 11.2	60.2	1.6				1.4ML	NORTH SEA		
150681	16:50 45.5	57.06	-5.54	185	802		2.3ML	KNOYDART		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
160681	03:27	42.1	55.93	-3.09	332 671	1	0.8ML	NEWCRHALL	C
160681	21:03	31.5	60.2	1.6			1.5ML	NORTH SEA	
170681	00:34	59.9	60.2	1.6			2.0ML	NORTH SEA	
170681	00:50	38.1	55.89	-3.11	331 667	3	0.7ML	LOANHEAD	C
190681	23:18	13.6	61.1	2.7			1.8ML	NORTH SEA	
210681	02:00	34.2	53.08	-4.52	231 357		2.2ML	CAERNARFON	B
230681	11:34		53.1	-2.2	387 356		1.4ML	STOKE AREA	
240681	05:38	07.8	55.86	-3.14	329 664	1	0.7ML	ROSLIN	C
240681	20:57	11.4	55.87	-3.13	329 665		-0.1ML	ROSEWELL	C
250681	10:07	18.8	61.3	3.9			1.8ML	NORTH SEA	
250681	15:33	37.4	55.49	-1.82	411 622		1.8ML	ALNWICK	
260681	05:29	38.7	55.86	-3.15	328 664	1	-0.2ML	ROSEWELL	C
270681	01:38	47.3	55.86	-3.14	329 664	1	-0.4ML	ROSLIN	C
270681	03:44	00.9	60.6	2.8			1.7ML	NORTH SEA	
270681	19:05	42.0	55.88	-3.09	332 666		0.0ML	LASSWADE	C
020781	11:02		53.03	-1.14	458 348		2.7ML	NOTTINGHAM	3+
040781	11:26	40.2	60.8	3.2			2.0ML	NORTH SEA	
070781	00:13	51.2	57.25	-5.47	191 823		1.6ML	KINTAIL	
070781	12:53	54.5	62.0	-1.7			1.9ML	NORTH SEA	
160781	08:27	45.9	57.3	2.9			2.9MB	NORTH SEA	
190781	05:56	12.0	53.04	-2.20	387 349	1	1.8ML	STOKE CLFD	
250781	13:21	54.5	55.89	-3.16	327 667		0.9ML	BURDIEHSE	C
300781	00:00	15.6	55.88	-3.09	332 666		-0.5ML	ESKBANK	C
300781	13:43	53.9	55.95	-3.12	330 674		0.2ML	PORTOBELLO	C
310781	15:28	17.3	56.11	-3.41	312 692		0.7ML	DUNFERMLINE	C
030881	20:31	22.7	56.15	-3.67	296 697		0.4ML	DOLLAR	C
040881	19:12	03.6	55.87	-3.12	330 665	0	0.5ML	POLTON	C
050881	19:06	56.5	55.09	-2.87	344 578	0	1.5ML	LONGTOWN	
050881	19:55	30.0	53.08	-2.26	383 354	4	2.4ML	TALKE AREA	
050881	20:34	09.6	53.08	-2.27	382 354	4	2.8ML	TALKE AREA	
050881	21:23	20.3	55.04	-2.82	348 572	5	1.2ML	LONGTOWN	
070881	11:44	31.9	56.79	-4.89	223 770	1	1.4ML	GLEN NEVIS	
120881	12:31	05.4	60.8	0.5			1.9ML	NORTH SEA	
120881	21:36	39.1	55.86	-3.13	329 664		0.5ML	POLTON	C
190881	19:16	15.2	53.08	-2.26	383 354	4	2.3ML	TALKE AREA	
190881	20:03	33.8	53.08	-2.27	382 354	3	1.2ML	TALKE AREA	
220881	21:25	54.4	53.02	-1.16	456 347		1.4ML	NOTTINGHAM	
230881	03:05	47.9	56.58	-5.82	165 750		1.3ML	MORVERN	
230881	03:30	33.2	52.88	-2.63	358 332		1.3ML	WEM	
240881	08:32	40.9	55.18	-3.03	334 588		0.5ML	LANGHOLM	
250881	12:05	58.4	56.82	-3.42	313 771	1	0.5ML	GLEN SHEE	
250881	19:16	22.9	55.86	-3.14	329 664	1	1.0ML	ROSLIN GL	C
290881	00:30	28.0	55.91	-3.10	331 669	3	0.2ML	DANDERHALL	C
290881	09:22	45.2	55.87	-3.11	331 665	1	1.1ML	POLTON	C
290881	09:24	31.0	55.87	-3.10	331 665	0	0.7ML	POLTON	C
300881	02:29	26.9	55.87	-3.10	331 665		-0.2ML	POLTON	C
310881	10:15	02.6	55.93	-3.07	333 671		-0.3ML	MILLERHILL	C
040981	06:20	17.0	55.90	-3.08	332 668	2	0.5ML	SHERIFFHILL	C
060981	04:11	58.0	57.1	6.8	932 835		4.4ML	SKAGERRAK	
070981	03:28	22.3	55.87	-3.07	333 665		-0.1ML	LASSWADE	C
070981	13:09	13.4	53.08	-2.25	383 354	4	2.3ML	TALKE AREA	
070981	14:03	12.3	58.0	5.7			2.9ML	NORTH SEA	
080981	18:09	34.2	55.0	-1.1	458 568		1.8ML	OFF TYNEMTH	
100981	18:03	03.7	55.87	-3.13	329 665		0.6ML	POLTON	C
110981	00:19	38.9	55.90	-3.11	331 668		0.8ML	LASSWADE	C
120981	20:35	59.5	56.00	-3.75	291 680		0.2ML	FALKIRK	
120981	21:00	29.0	53.07	-2.25	383 353	4	1.6ML	TALKE AREA	
210981	12:48	46.1	59.0	1.4			2.4ML	NORTH SEA	
220981	12:58	53.9	53.04	-2.20	387 349		1.3ML	STOKE CLFD	3+
240981	08:22	36.1	56.12	-5.16	204 696		1.4ML	L. FYNE	
240981	11:47	08.6	53.08	-2.25	383 354		1.6ML	TALKE AREA	
300981	01:31	25.2	59.6	1.5			1.0ML	NORTH SEA	
300981	22:11	13.7	56.28	-3.70	295 711	8	0.6ML	OCHIL HILLS	
011081	02:34		53.60	-1.19	454 412		1.8ML	DONCASTER	
041081	17:47	11.9	53.07	-2.26	383 353		2.2ML	TALKE AREA	
051081	23:42	47.2	55.88	-3.12	330 666		-0.1ML	NEWBATTLE	C
071081	14:14	03.0	56.13	-3.62	299 694		1.4ML	SALINE	C
081081	17:54	32.7	56.12	-3.68	296 693		0.6ML	CLACKMANNON	C
091081	09:39	37.8	55.93	-3.09	332 671	1	0.8ML	NEWGOSHALL	C
111081	21:12	32.5	55.93	-3.01	337 671		-0.3ML	COUSLAND	C
121081	19:44	22.4	55.52	-3.07	332 626	3	1.0ML	ST MARYS LCH	
131081	14:19	26.5	55.86	-3.09	332 664		0.6ML	DALHOUSIE C	
141081	06:55	28.8	55.85	-3.14	329 662	2	0.9ML	ROSEWELL	C
141081	06:58	39.5	55.85	-3.14	329 662	1	1.0ML	ROSEWELL	C
141081	06:59	00.8	55.85	-3.14	329 662		0.9ML	ROSEWELL	C
141081	06:59	27.1	55.85	-3.14	329 662	3	1.2ML	ROSEWELL	C
141081	19:11	12.2	53.04	-2.20	387 349	1	1.5ML	STOKE CLFD	
151081	10:41	42.0	60.5	2.1			1.8ML	NORTH SEA	
161081	01:08	11.7	56.14	-3.60	301 695	2	1.6ML	SALINE	C
181081	16:08	39.2	54.69	-1.66	422 533		2.5ML	B. AUKLAND	

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
191081	19:55 40.0	56.16	-3.71	294 698		0.3ML	TILLICTRY C		
201081	19:53 22.3	55.87	-3.15	328 665	1	0.0ML	ROSLIN C		
221081	08:35 20.2	55.86	-3.08	332 664		0.2ML	DALHOUSIE C		
221081	11:40 48.3	53.08	-2.26	383 354	4	1.8ML	TALKE AREA		
231081	00:20 18.4	55.93	-3.10	331 671	0	1.6ML	NEWCGHALL C	4	5
231081	00:44 46.0	57.24	-5.23	205 821		1.1ML	KINTAIL		
231081	10:32 59.7	55.91	-3.10	331 669		1.6ML	DANDERHALL C		
231081	13:18 49.6	56.13	-3.60	301 694		1.2ML	SALINE C		
241081	10:59 25.6	56.39	-4.00	277 724	5	1.8ML	COMRIE	2	25
261081	04:43 38.6	53.07	-2.27	382 353	4	1.2ML	TALKE AREA		
261081	22:03 27.1	54.17	0.24	546 477		2.2ML	FLAMBRGH HD		
271081	05:13 44.9	54.18	0.30	550 478		4.3ML	FLAMBRGH HD	3+	
291081	10:39 50.3	61.8	4.0			2.1ML	NORTH SEA		
021181	20:53 38.4	55.88	-3.11	331 666		0.2ML	LASSWADE C		
041181	15:29 08.0	55.85	-3.13	329 662		0.5ML	ROSEWELL C		
041181	19:55 58.9	55.85	-3.13	329 662	2	0.3ML	ROSEWELL C		
051181	01:19 44.7	57.03	-5.45	191 798		0.9ML	KNOYDART		
051181	01:31 17.2	56.35	-5.74	169 724		1.3ML	FTH OF LORN		
051181	01:31 57.9	57.02	-5.16	208 797		1.8ML	L. QUOICH		
051181	07:41 50.0	56.26	-3.28	321 708		0.4ML	LOMOND HILLS		
051181	17:22 03.7	55.84	-3.15	328 661		0.2ML	ROSEWELL C		
061181	04:11 25.4	55.90	-3.03	336 668		-0.1ML	DALKEITH C		
061181	11:29 35.1	55.85	-3.13	329 662	2	0.7ML	ROSEWELL C		
061181	12:39 58.1	50.11	-5.19	172 28	6	0.7ML	CONSTANTINE		
061181	13:59 40.8	56.77	-5.01	216 768	9	1.5ML	GLEN NEVIS		
061181	15:21 20.7	55.17	-2.84	346 587		1.2ML	LIDDESDALE		
061181	17:13 23.7	59.7	1.4			1.8ML	NORTH SEA		
091181	03:09	51.65	-2.98	332 195		1.9ML	CWMBRAN		
091181	03:10	51.65	-2.98	332 195		2.7ML	CWMBRAN	3+	
091181	04:20	51.65	-2.98	332 195		2.1ML	CWMBRAN	3+	
091181	04:35 17.0	56.69	-4.23	263 758		1.5ML	L.RANNOCH		
091181	13:03 09.4	52.09	-3.00	331 244		-0.1ML	HAY ON WYE		
101181	02:37 17.4	55.85	-3.12	330 662	2	0.5ML	ROSEWELL C		
101181	17:53 56.9	55.84	-3.13	329 661		0.7ML	ROSEWELL C		
111181	08:31 59.7	55.84	-3.13	329 661	2	0.2ML	ROSEWELL C		
111181	16:22 42.9	56.14	-3.58	302 695		1.3ML	DOLLAR C		
121181	18:08 15.6	55.84	-3.14	329 661		0.5ML	ROSEWELL C		
121181	18:34 30.6	57.51	-4.91	226 850		1.5ML	ACHNASHEEN		
131181	12:24 03.2	56.11	-3.63	299 692		0.1ML	CLACKMANNN C		
131181	15:42 52.1	55.84	-3.20	325 661		-0.4ML	PENICUIK C		
131181	15:43 38.5	55.85	-3.14	329 662		0.4ML	ROSEWELL C		
131181	17:17 42.1	55.87	-3.14	329 665		-0.2ML	POLTON C		
161181	17:48 32.1	56.93	-5.51	186 788		1.1ML	L.MORAR		
161181	19:01 09.5	55.85	-3.12	330 662	2	0.8ML	ROSEWELL C		
171181	11:31 11.6	55.84	-3.13	329 661		0.6ML	ROSEWELL C		
171181	11:57 49.6	55.91	-3.13	329 669		0.9ML	GILMERTON C		
171181	14:31	53.1	-2.2	387 356		2.2ML	STOKE CLFD	3+	
181181	02:34 41.7	55.84	-3.14	329 661	0	0.7ML	ROSEWELL C		
181181	15:58 02.2	55.86	-3.09	332 664		0.2ML	LASSWADE C		
181181	18:59 55.2	62.3	2.3			1.9ML	NORTH SEA		
191181	01:34 39.3	55.86	-3.10	331 664		0.3ML	DALHOUSIE C		
191181	04:24 32.3	55.88	-3.05	334 666		0.3ML	EASTHOUSES C		
191181	17:37 57.1	55.85	-3.12	330 662	1	1.0ML	ROSEWELL C		
191181	22:07 01.7	56.6	-5.8	167 752		1.6ML	SND OF MULL		
201181	18:36 49.1	55.89	-3.05	334 667	0	0.8ML	NEWBATTLE C		
201181	22:24 52.3	56.01	-4.59	239 683		1.6ML	BALLOCH		
221181	13:43 19.6	55.47	-3.40	312 620		1.0ML	TWEEDSMUIR		
241181	11:05 19.6	55.85	-3.12	330 662		0.8ML	ROSEWELL C		
251181	23:41 25.1	55.86	-3.10	331 664		0.4ML	DALHOUSIE C		
261181	01:11 02.4	55.86	-3.14	329 664	1	1.8ML	ROSEWELL C		
261181	20:02 31.8	55.84	-3.12	330 661		0.6ML	ROSEWELL C		
261181	21:44 50.4	55.08	-2.74	353 576	1	1.7ML	LONGTOWN	3	25
271181	06:01 45.1	55.87	-3.09	332 665		0.2ML	LASSWADE C		
271181	13:33 05.5	55.15	-2.71	355 584		1.1ML	LIDDESDALE		
281181	02:18 53.1	56.19	-2.89	345 700		0.0ML	LARGO BAY		
281181	06:35 28.8	56.28	-4.49	246 713	2	1.9ML	LOCH KATRINE		
291181	13:36 36.4	55.88	-3.07	333 666		0.0ML	LASSWADE C		
291181	18:14 36.3	57.19	-5.52	187 816		1.4ML	KINTAIL		
301181	11:01 56.5	61.4	1.9			3.1ML	NORTH SEA		
011281	03:14 42.0	56.69	-4.84	226 759		1.0ML	BLACKWR RES		
021281	02:05 33.0	55.84	-3.13	329 661		0.8ML	ROSEWELL C		
021281	23:15 15.0	50.10	-5.17	173 27	5	-0.2ML	CONSTANTINE		
031281	05:29 40.8	55.84	-3.15	328 661	2	0.0ML	ROSEWELL C		
041281	14:37 13.9	50.11	-5.18	173 28	6	0.8ML	CONSTANTINE		
101281	13:24 58.0	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
161281	17:56 43.7	62.0	1.75			1.8ML	NORTH SEA		
211281	05:36 20.7	50.11	-5.18	173 28	6	0.6ML	CONSTANTINE		
211281	20:22 02.6	55.92	-2.98	339 670		0.1ML	ELPHINSTNE C		
211281	20:34 00.0	55.85	-3.12	330 662	0	0.3ML	ROSEWELL C		
221281	04:09 36.2	55.85	-3.19	326 663		-0.3ML	AUCHENDNNY C		

Table 1 : continued

Date DyMnYr	Time HrMnSecs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
221281	04:11 44.3	55.85	-3.14	329 662		-0.1ML	ROSEWELL	C	
221281	04:15 36.8	53.08	-2.23	385 354		2.4ML	STOKE AREA		3+
221281	05:20 54.0	56.10	-3.11	331 690		0.0ML	KIRKALDY		
221281	10:47 47.5	55.84	-3.16	327 661		0.3ML	AUCHENDNNY	C	
221281	19:56 37.5	55.85	-3.13	329 662		0.4ML	ROSEWELL	C	
231281	09:26 44.3	55.78	-3.19	325 655		0.0ML	BILSTON	C	
241281	18:08 21.0	55.92	-3.09	332 670	1	0.2ML	DANDERHALL	C	
241281	23:45 56.2	50.11	-5.18	173 28	7	-0.3ML	CONSTANTINE		
261281	13:06 54.3	55.81	-5.47	183 663	3	0.9ML	TARBERT		
271281	15:36 24.4	59.8	-4.6	254 1104		2.4ML	OFF C. WRATH		
271281	17:35	53.1	-2.2	387 356		1.6ML	STOKE AREA		
311281	08:40	53.1	-2.2	387 356		1.3ML	STOKE AREA		
040182	03:18 40.8	55.88	-3.09	332 666		-0.2ML	LASSWADE	C	
040182	10:41 08.6	55.92	-2.97	339 670		0.2ML	ELPHINSTNE		

Table 2 : British earthquakes 1979, 1980, 1981 listed in order of decreasing latitude

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
090580	23:42 23.8	62.9	2.4			3.5ML	NORTH SEA		
020580	22:05 48.9	62.9	4.9			2.4ML	NORTH SEA		
171080	18:57 58.0	62.4	4.5			2.4ML	NORTH SEA		
181181	18:59 55.2	62.3	2.3			1.9ML	NORTH SEA		
020680	16:44 16.3	62.2	3.0			2.4ML	NORTH SEA		
171180	18:11 50.3	62.1	2.0			2.3ML	NORTH SEA		
161281	17:56 43.7	62.0	1.75			1.8ML	NORTH SEA		
070781	12:53 54.5	62.0	-1.7			1.9ML	NORTH SEA		
160481	06:38 13.9	62.0	1.9			2.2ML	NORTH SEA		
260980	11:32 42.0	62.0	2.0			2.3ML	NORTH SEA		
270580	20:43 34.3	62.0	1.6			3.1ML	NORTH SEA		
141280	14:28 16.9	61.9	2.7			1.7ML	NORTH SEA		
280779	15:41 28.3	61.9	2.3			3.0ML	NORTH SEA		
291081	10:39 50.3	61.8	4.0			2.1ML	NORTH SEA		
251180	10:49 07.1	61.8	2.2			1.9ML	NORTH SEA		
020481	09:07 47.3	61.6	1.3			1.7ML	NORTH SEA		
301181	11:01 56.5	61.4	1.9			3.1ML	NORTH SEA		
090381	04:46 46.8	61.4	4.2			3.1ML	NORTH SEA	3+	
250681	10:07 18.8	61.3	3.9			1.8ML	NORTH SEA		
090681	23:42 27.6	61.2	3.5			2.0ML	NORTH SEA		
270680	17:25 36.7	61.2	3.0			1.7ML	NORTH SEA		
050680	10:08 04.5	61.2	4.6			2.3ML	NORTH SEA		
190681	23:18 13.6	61.1	2.7			1.8ML	NORTH SEA		
310880	02:32 01.0	61.0	2.1			1.5ML	NORTH SEA		
120579	07:14 04.8	61.0	2.9			3.1ML	NORTH SEA		
090681	23:47 18.1	60.9	3.9			1.9ML	NORTH SEA		
180680	15:06 27.0	60.9	4.0			2.2ML	NORTH SEA		
120881	12:31 05.4	60.8	0.5			1.9ML	NORTH SEA		
040781	11:26 40.2	60.8	3.2			2.0ML	NORTH SEA		
080680	07:58 10.0	60.7	3.4			3.1ML	NORTH SEA	3+	
270681	03:44 00.9	60.6	2.8			1.7ML	NORTH SEA		
151081	10:41 42.0	60.5	2.1			1.8ML	NORTH SEA		
190381	01:35 33.3	60.5	1.5			2.3ML	NORTH SEA		
070879	21:34 20.9	60.5	1.5			3.5ML	NORTH SEA		
170681	00:34 59.9	60.2	1.6			2.0ML	NORTH SEA		
160681	21:03 31.5	60.2	1.6			1.5ML	NORTH SEA		
150681	13:01 11.2	60.2	1.6			1.4ML	NORTH SEA		
150681	12:52 44.1	60.2	1.6			2.9ML	NORTH SEA		
150681	11:52 10.9	60.2	1.6			1.6ML	NORTH SEA		
271281	15:36 24.4	59.8	-4.6	254 1104		2.4ML	OFF C. WRATH		
061181	17:13 23.7	59.7	1.4			1.8ML	NORTH SEA		
300981	01:31 25.2	59.6	1.5			1.0ML	NORTH SEA		
210981	12:48 46.1	59.0	1.4			2.4ML	NORTH SEA		
110680	07:22 28.0	58.9	1.0			3.2ML	NORTH SEA		
070981	14:03 12.3	58.0	5.7			2.9ML	NORTH SEA		
240680	18:39 12.8	57.9	-2.2	388 890		2.0ML	MORAY FIRTH		
190381	18:25 42.1	57.75	-2.82	351 874	0	1.1ML	OFF CULLEN		
220279	09:34 50.0	57.56	-5.40	197 857		2.2ML	TORRIDON		
121181	18:34 30.6	57.51	-4.91	226 850		1.5ML	ACHNASHEEN		
110879	22:47 30.3	57.44	-5.35	199 844	0	1.5ML	KINTAIL		
241079	06:14 14.8	57.39	-5.89	166 840		2.0ML	APPLECROSS		
300879	06:55 14.4	57.38	-5.48	191 838		2.3ML	KINTAIL		
200281	18:42 38.1	57.31	-3.90	286 826	1	1.3ML	CARBRIDGE		
160781	08:27 45.9	57.3	2.9			2.9MB	NORTH SEA		
040381	12:28 49.4	57.28	-5.26	204 826		1.2ML	KINTAIL		
070781	00:13 51.2	57.25	-5.47	191 823		1.6ML	KINTAIL		
231081	00:44 46.0	57.24	-5.23	205 821		1.1ML	KINTAIL		
120480	14:55 13.0	57.22	-5.32	200 819	0	2.0ML	KINTAIL		
310181	00:59 50.0	57.2	6.3	901 843		2.7ML	E NORTH SEA		
090480	04:59 26.0	57.20	-5.22	206 817	0	1.6ML	KINTAIL		
090480	04:34 08.2	57.20	-5.58	184 818	6	2.3ML	KINTAIL		
291181	18:14 36.3	57.19	-5.52	187 816		1.4ML	KINTAIL		
120480	03:23 41.8	57.16	-5.23	205 812	0	1.7ML	KINTAIL		
120480	15:07 20.3	57.14	-5.20	206 810	0	1.8ML	KINTAIL		
070279	03:52 26.5	57.14	-5.32	199 810	0	1.5ML	KINTAIL		
110381	22:40 44.0	57.13	-5.23	205 809		1.1ML	KINTAIL		
090681	18:44 11.3	57.12	-5.50	188 809		2.6ML	KINTAIL		
060981	04:11 58.0	57.1	6.8	932 835		4.4ML	SKAGERRAK		
040180	19:48 26.7	57.08	-5.21	205 803	0	2.2ML	LOCH QUOICH		
301279	20:53 01.4	57.08	-5.23	204 803		2.9ML	KINTAIL		
150681	16:50 45.5	57.06	-5.54	185 802		2.3ML	KNOYDART		
240281	02:24 50.2	57.05	-5.59	182 801		0.7ML	KNOYDART		
051181	01:19 44.7	57.03	-5.45	191 798		0.9ML	KNOYDART		
260481	16:50 44.9	57.03	-5.48	189 799		1.2ML	KNOYDART		
051181	01:31 57.9	57.02	-5.16	208 797		1.8ML	L. QUOICH		
161181	17:48 32.1	56.93	-5.51	186 788		1.1ML	L. MORAR		
250881	12:05 58.4	56.82	-3.42	313 771	1	0.5ML	GLEN SHEE		
070881	11:44 31.9	56.79	-4.89	223 770	1	1.4ML	GLEN NEVIS		
061181	13:59 40.8	56.77	-5.01	216 768	9	1.5ML	GLEN NEVIS		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid KmE KmN	ref KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
170281	06:27 24.5	56.76	-5.30	198	768		1.5ML	ARDGOUR		
060281	15:28 43.1	56.75	-5.75	171	768		1.4ML	SUNART		
011281	03:14 42.0	56.69	-4.84	226	759		1.0ML	BLACKWR RES		
091181	04:35 17.0	56.69	-4.23	263	758		1.5ML	L.RANNOCH		
230381	14:45 00.1	56.67	-3.88	285	755	0	0.5ML	ABERFELDY		
191181	22:07 01.7	56.6	-5.8	167	752		1.6ML	SND OF MULL		
231279	01:58 01.8	56.60	-5.60	179	751	0	1.8ML	KINGAIRLOCH		
230881	03:05 47.9	56.58	-5.82	165	750		1.3ML	MORVERN		
150980	19:14 59.6	56.57	-4.16	267	744	11	1.9ML	BEN LAWERS	3	60
070780	15:33 05.4	56.45	-3.79	290	730		0.5ML	GLEN ALMOND		
270481	01:32 08.1	56.43	-4.29	259	729	3	-0.1ML	KILLIN AREA		
060181	12:54 37.3	56.43	-5.60	178	732		1.4ML	OBAN AREA		
241081	10:59 25.6	56.39	-4.00	277	724	5	1.8ML	COMRIE	2	25
130480	10:47 59.1	56.39	-10.21				3.3ML	N ATLANTIC		
220479	06:40 16.8	56.39	-5.66	174	728		2.2ML	MULL		
140179	03:46 29.0	56.37	-5.23	201	724	5	1.6ML	SE OF OBAN		
090280	01:37 22.7	56.36	-4.23	262	721	2	1.4ML	LOCH EARN		
051181	01:31 17.2	56.35	-5.74	169	724		1.3ML	FTH OF LORN		
280980	20:18 07.4	56.35	-3.44	311	718		-0.3ML	BDGE OF EARN		
310379	04:47 27.8	56.34	-3.75	292	718		1.0ML	CRIEFF		
180979	23:00 35.1	56.32	-3.59	302	715	5	0.6ML	DUNNING		
230980	00:37 57.7	56.30	-3.55	304	713		0.5ML	OCHIL HILLS		
050681	07:20 39.8	56.29	-3.50	307	712	1	0.8ML	OCHIL HILLS		
010680	23:35 09.6	56.29	-3.78	290	712	2	1.4ML	OCHIL HILLS		
281181	06:35 28.8	56.28	-4.49	246	713	2	1.9ML	LOCH KATRINE		
300981	22:11 13.7	56.28	-3.70	295	711	8	0.6ML	OCHIL HILLS		
300379	23:43 15.8	56.28	-3.80	289	711		0.8ML	BLACKFORD		
130281	09:59 43.2	56.27	-3.74	292	710		0.8ML	OCHIL HILLS		
040579	02:36 55.9	56.27	-3.71	294	710	3	0.4ML	OCHIL HILLS		
210379	19:51 10.8	56.27	-3.68	296	710	1	0.7ML	OCHIL HILLS		
051181	07:41 50.0	56.26	-3.28	321	708		0.4ML	LOMOND HILLS		
130281	10:25 03.9	56.26	-3.74	292	709		0.5ML	OCHIL HILLS		
221080	21:20 16.0	56.26	-3.64	298	709		2.3ML	OCHIL HILLS	3	20
290980	06:34 21.1	56.26	-3.74	292	709	5	0.8ML	GLENEAGLES		
150379	22:02 13.0	56.26	-3.71	294	709	4	1.0ML	OCHIL HILLS		
161280	18:38 36.6	56.25	-3.74	292	708	6	1.1ML	OCHIL HILLS		
021280	06:13 33.7	56.25	-3.74	292	708	3	0.4ML	OCHIL HILLS		
011280	14:20 51.9	56.25	-3.74	292	708	5	2.6ML	OCHIL HILLS		
021080	02:13 23.4	56.25	-3.73	293	708	8	0.9ML	GLENEAGLES		
140980	14:57 18.8	56.25	-3.74	292	708	5	2.2ML	GLENEAGLES		
170680	18:00 14.4	56.25	-3.72	293	708	6	1.0ML	GLENEAGLES		
150380	14:48 05.6	56.25	-3.73	293	708	2	1.5ML	OCHIL HILLS		
150380	10:15 30.9	56.25	-3.70	295	708	2	2.0ML	OCHIL HILLS		
010180	11:05 03.0	56.25	-3.73	293	708	2	3.0ML	OCHIL HILLS		
231079	20:15 31.4	56.25	-3.74	292	708	4	0.5ML	GLENDEVON		
220579	13:53 21.4	56.25	-3.75	292	708	6	2.4ML	GLEN DEVON		
060579	16:43 24.4	56.25	-3.74	292	708	5	2.2ML	GLENEAGLES		
210379	04:17 03.4	56.25	-3.75	292	708	2	-0.1ML	OCHIL HILLS		
210379	03:41 54.4	56.25	-3.74	292	708	6	1.8ML	OCHIL HILLS	4	50
190379	05:39 12.9	56.25	-3.71	294	708	4	0.6ML	OCHIL HILLS		
190279	11:39 32.7	56.25	-3.73	293	708	6	3.2ML	OCHIL HILLS	5	600
200381	02:51 03.6	56.24	-4.91	220	709	0	0.9ML	ARROCHAR		
161280	23:33 58.3	56.24	-3.73	293	707	9	0.3ML	OCHIL HILLS		
240180	04:15 00.0	56.24	-3.73	293	707	3	1.1ML	OCHIL HILLS		
290379	18:16 09.8	56.24	-3.74	292	707	6	0.5ML	OCHIL HILLS		
250379	05:24 37.0	56.24	-3.74	292	707	4	0.8ML	OCHIL HILLS		
230379	11:52 55.6	56.24	-3.74	292	707	4	0.9ML	OCHIL HILLS		
190279	19:26 28.5	56.24	-3.75	292	707	3	0.0ML	GLENDEVON		
051280	14:01 10.7	56.23	-5.24	199	709		1.2ML	LOCH AWE		
120479	04:57 17.2	56.23	-3.74	292	706		1.7ML	OCHIL HILLS	4	
120779	00:36 00.4	56.22	-3.76	291	704	8	0.6ML	GLENDEVON		
110679	04:39 14.1	56.22	-3.80	288	704	0	1.0ML	GLEN DEVON		
250379	00:09 32.6	56.22	-3.74	292	704	6	0.4ML	OCHIL HILLS		
240379	02:38 44.7	56.22	-3.72	293	704	6	0.4ML	OCHIL HILLS		
210379	04:18 12.1	56.22	-3.73	293	704	6	0.0ML	OCHIL HILLS		
080581	11:38 00.7	56.21	-4.80	226	705	5	1.0ML	ARROCHAR		
230281	16:30 18.1	56.21	-5.01	213	706	0	1.2ML	INVERARAY		
230181	03:02 09.4	56.21	-4.80	226	705		1.3ML	ARROCHAR		
070580	15:45 59.0	56.21	-5.04	211	706	0	1.2ML	S INVERARAY		
281181	02:18 53.1	56.19	-2.89	345	700		0.0ML	LARGO BAY		
021080	16:04 26.5	56.19	-5.40	189	705		1.2ML	ARDGOUR		
270279	15:36 18.3	56.19	-3.79	289	701	2	0.5ML	OCHIL HILLS		
020481	05:36 38.2	56.17	-4.86	222	701	0	0.7ML	ARROCHAR		
191081	19:55 40.0	56.16	-3.71	294	698		0.3ML	TILLICTRY C		
010681	20:09 15.9	56.16	-4.87	222	700	3	1.7ML	LOCHGOILHEAD		
030881	20:31 22.7	56.15	-3.67	296	697		0.4ML	DOLLAR C		
030481	08:14 32.3	56.15	-4.88	221	699	0	1.2ML	LOCH GOIL		
100381	16:30 24.7	56.15	-5.08	209	700	0	1.5ML	INVERARAY		
280181	14:54 54.2	56.15	-5.19	202	700		1.6ML	LOCH QUOICH		
041280	20:33 20.0	56.15	-3.51	306	696		0.0ML	CR OF DEVON		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid KME	ref KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
111181	16:22 42.9	56.14	-3.58	302	695		1.3ML	DOLLAR	C	
161081	01:08 11.7	56.14	-3.60	301	695	2	1.6ML	SALINE	C	
041180	02:52 56.1	56.14	-3.64	298	695		0.1ML	DOLLAR	C	
200580	18:57 11.1	56.14	-3.64	298	695	0	0.3ML	S DOLLAR		
130979	16:43 39.0	56.14	-5.32	194	699	0	1.5ML	LOCHGILPHEAD		
231081	13:18 49.6	56.13	-3.60	301	694		1.2ML	SALINE	C	
071081	14:14 03.0	56.13	-3.62	299	694		1.4ML	SALINE	C	
240381	10:58 24.3	56.13	-3.61	300	694	0	0.5ML	SALINE	C	
250281	18:09 31.7	56.13	-3.60	301	694		0.4ML	DOLLAR		
170281	21:26 40.3	56.13	-3.59	301	694	1	0.3ML	SALINE	C	
071180	18:31 20.2	56.13	-3.64	298	694		0.2ML	DOLLAR	C	
200380	00:56 20.6	56.13	-3.60	301	694	0	1.1ML	SE DOLLAR		
301079	19:24 01.0	56.13	-3.67	296	694	4	0.9ML	S DOLLAR		
010679	17:56 19.7	56.13	-3.66	297	694	3	1.3ML	S DOLLAR		
090379	21:26 41.8	56.13	-3.62	299	694	0	1.8ML	SE OF DOLLAR		
140279	21:08 46.8	56.13	-3.66	297	694		0.3ML	S DOLLAR		
070279	22:30 16.7	56.13	-3.67	296	694	0	0.5ML	S OF DOLLAR		
081081	17:54 32.7	56.12	-3.68	296	693		0.6ML	CLACKMANNN C		
240981	08:22 36.1	56.12	-5.16	204	696		1.4ML	L. FYNE		
220581	01:29 47.1	56.12	-3.70	294	693	1	1.4ML	CLACKMANNN C	2	1
030581	21:56 47.7	56.12	-3.93	280	694		0.3ML	STIRLING		
120380	03:43 42.6	56.12	-3.62	299	693	0	1.7ML	S DOLLAR		
131181	12:24 03.2	56.11	-3.63	299	692		0.1ML	CLACKMANNN C		
310781	15:28 17.3	56.11	-3.41	312	692		0.7ML	DUNFERMLNE C		
140481	18:30 28.6	56.11	-3.80	288	692		0.5ML	ALLOA	C	
090181	18:50 04.4	56.11	-3.70	294	692		0.8ML	CLACKMANNAN		
121280	12:27 06.8	56.11	-3.49	307	692		1.0ML	W FIFE	C	
221281	05:20 54.0	56.10	-3.11	331	690		0.0ML	KIRKALDY		
210581	12:28 55.0	56.10	-3.66	297	691	0	1.3ML	CLACKMANNN C		
300481	14:17 22.8	56.10	-3.68	296	691		1.0ML	CLACKMANNN C		
240381	18:14 07.3	56.10	-3.71	294	691	1	1.5ML	CLACKMANNN C		
250281	05:52 08.5	56.10	-3.69	295	691	0	1.1ML	CLACKMANNN C		
300181	02:47 05.6	56.10	-3.75	291	691		0.8ML	CLACKMANNAN		
210280	18:19 11.1	56.10	-3.81	287	691	3	1.7ML	STIRLING		
210581	20:54 49.5	56.09	-3.71	294	690		1.0ML	CLACKMANNN C		
140481	18:28 04.1	56.09	-3.72	293	690	3	0.9ML	KINCARDINE C		
240281	18:18 25.8	56.09	-3.72	293	690	0	0.6ML	CLACKMANNN C		
240381	00:42 09.4	56.08	-3.73	292	689	1	0.7ML	KINCARDINE C		
180581	14:59 27.2	56.07	-3.63	299	688		0.8ML	BLAIRHALL C		
040380	20:13 35.4	56.07	-3.80	288	688	6	1.1ML	SE STIRLING		
030481	08:10 55.4	56.06	-4.60	238	688	0	0.3ML	LOCH LOMOND		
010279	03:52 47.0	56.05	-3.18	327	685	2	0.4ML	BURNT ISLAND		
050181	03:53 28.9	56.04	-5.23	199	688		1.9ML	LOCHGILPHEAD		
020279	19:04 03.0	56.04	-3.12	330	684		1.0ML	MIDLOTHIAN C		
170580	23:47 50.0	56.03	-3.65	297	683	0	-0.2ML	VALLEYFIELD		
181179	10:47 09.8	56.02	-6.02	150	688	0	1.5ML	JURA AREA		
201181	22:24 52.3	56.01	-4.59	239	683		1.6ML	BALLOCH		
120981	20:35 59.5	56.00	-3.75	291	680		0.2ML	FALKIRK		
160381	13:05 32.0	55.99	-3.66	296	679		1.1ML	BO'NESS	C	
280179	02:06 06.2	55.99	-3.10	331	678	3	-0.2ML	MIDLOTHIAN C		
261079	00:58 12.8	55.98	-3.07	333	677	2	0.1ML	MIDLOTHIAN C		
120280	18:54 47.1	55.97	-3.26	321	676	2	0.0ML	MIDLOTHIAN C		
080279	17:49 59.1	55.97	-3.09	332	676	5	1.7ML	MIDLOTHIAN C		
030279	01:33 07.8	55.97	-3.05	334	676	1	0.6ML	MIDLOTHIAN C		
180281	02:45 37.6	55.96	-3.10	331	675		0.0ML	PORTOBELLO C		
170181	02:17 39.9	55.96	-3.09	332	675		1.1ML	BRUNSTANE C		
181280	04:43 24.5	55.96	-3.16	328	675		0.6ML	MIDLOTHIAN C		
021179	01:13 44.6	55.96	-3.11	331	675	0	0.0ML	NEWHAILES C	2	
300781	13:43 53.9	55.95	-3.12	330	674		0.2ML	PORTOBELLO C		
010581	03:49 28.5	55.95	-3.09	332	674		0.4ML	JOPPA	C	
040381	14:10 42.6	55.95	-3.05	334	673		0.3ML	MUSSELBGH C		
040281	19:12 57.8	55.95	-3.10	331	674		0.8ML	BRUNSTANE C		
080181	05:28 01.6	55.95	-3.09	332	674		0.1ML	BRUNSTANE C		
161179	12:33 02.7	55.95	-3.09	332	674	0	0.6ML	BRUNSTANE C	3	
100879	02:28 24	55.95	-3.10	331	674		0.9ML	BRUNSTANE C	2	
100479	23:51 27.1	55.95	-3.09	332	674		1.2ML	JOPPA	C	4
170181	02:11 08.4	55.94	-3.09	332	672		1.2ML	BRUNSTANE C		
111280	20:49 03.9	55.94	-3.07	333	672	3	-0.1ML	BRUNSTANE C		
231179	00:26 41.1	55.94	-3.07	333	672		-0.3ML	MIDLOTHIAN C		
241079	10:06 10.4	55.94	-3.08	333	672	0	1.6ML	MIDLOTHIAN C	2	
101079	20:51 57.8	55.94	-3.09	332	672	2	0.9ML	BRUNSTANE C	3	
200979	18:31 56.1	55.94	-3.10	331	672	2	0.6ML	MIDLOTHIAN C		
200979	18:30 34.8	55.94	-3.08	333	672	1	1.2ML	BRUNSTANE C	3	
170579	22:15 55.4	55.94	-3.07	333	672	0	0.6ML	MIDLOTHIAN C		
050579	05:17 40.9	55.94	-3.11	331	672		0.1ML	MIDLOTHIAN C		
240379	03:48 26.8	55.94	-3.06	334	672	0	0.4ML	MIDLOTHIAN C		
080279	17:49 55.8	55.94	-3.09	332	672	0	1.3ML	BRUNSTANE C	4	
231081	00:20 18.4	55.93	-3.10	331	671	0	1.6ML	NEWCGHALL C	4	5
111081	21:12 32.5	55.93	-3.01	337	671		-0.3ML	COUSLAND C		
091081	09:39 37.8	55.93	-3.09	332	671	1	0.8ML	NEWCGHALL C		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
310881	10:15 02.6	55.93	-3.07	333 671		-0.3ML	MILLERHILL C		
160681	03:27 42.1	55.93	-3.09	332 671	1	0.8ML	NEWCRHALL C		
090681	22:00 21.8	55.93	-3.08	333 671	1	1.2ML	NEWCRHALL C		
181280	04:42 58.0	55.93	-3.09	332 671		0.5ML	DANDERHALL C		
151180	01:16 24.2	55.93	-3.11	331 671		1.0ML	DANDERHALL C		
220280	22:10 46.8	55.93	-3.08	333 671	0	0.8ML	BRUNSTANE C		
191079	04:42 10.4	55.93	-3.09	332 671	2	0.3ML	MIDLOTHIAN C		
171079	20:44 39.8	55.93	-3.08	333 671	0	1.0ML	BRUNSTANE C	3	
121079	21:58 50.8	55.93	-3.09	332 671		1.4ML	BRUNSTANE C	3	
101079	06:22 25.8	55.93	-3.08	333 671	1	0.5ML	BRUNSTANE C	2	
101079	06:20 53.1	55.93	-3.08	333 671	0	0.5ML	BRUNSTANE C	2	
101079	06:19 47.7	55.93	-3.09	332 671	1	1.0ML	MIDLOTHIAN C		
101079	06:19 41.5	55.93	-3.09	332 671	1	0.3ML	MIDLOTHIAN C		
080979	01:24 15.3	55.93	-3.09	332 671	5	0.6ML	MIDLOTHIAN C		
060679	04:55 44.9	55.93	-3.08	333 671		0.1ML	MIDLOTHIAN C		
150579	21:43 18.8	55.93	-3.08	333 671	0	0.9ML	MIDLOTHIAN C		
240379	03:47 46.0	55.93	-3.05	334 671	0	0.4ML	MIDLOTHIAN C		
230379	19:05 51.9	55.93	-3.07	333 671	0	0.2ML	MIDLOTHIAN C		
200279	21:20 37.7	55.93	-3.08	333 671	1	0.2ML	MIDLOTHIAN C		
120179	20:46 15.1	55.93	-3.07	333 671	0	0.7ML	MIDLOTHIAN C		
040182	10:41 08.6	55.92	-2.97	339 670		0.2ML	ELPHINSTNE C		
241281	18:08 21.0	55.92	-3.09	332 670	1	0.2ML	DANDERHALL C		
211281	20:22 02.6	55.92	-2.98	339 670		0.1ML	ELPHINSTNE C		
050681	05:02 42.2	55.92	-3.13	329 670		0.5ML	LIT FRANCE C		
210181	19:59 36.7	55.92	-3.10	331 670	1	0.3ML	DANDERHALL C		
241280	19:30 25.5	55.92	-3.13	329 670		0.6ML	DANDERHALL C		
171280	17:25 30.2	55.92	-3.07	333 670	2	0.7ML	MIDLOTHIAN C		
261180	23:01 56.6	55.92	-3.09	332 670		0.6ML	DANDERHALL C		
111180	17:53 14.8	55.92	-3.11	331 670		0.5ML	DANDERHALL C		
111180	17:13 21.4	55.92	-3.07	333 670		0.2ML	DANDERHALL C		
110980	05:28 03.8	55.92	-3.08	333 670	0	0.8ML	ESKBANK C	2	10
260680	02:47 29.5	55.92	-3.07	333 670	1	0.8ML	MILLERHILL C		
290280	05:40 00.0	55.92	-3.10	331 670	1	0.3ML	DANDERHALL C		
011179	21:05 56.4	55.92	-3.10	331 670	4	0.5ML	MIDLOTHIAN C		
261079	01:02 24.9	55.92	-3.07	333 670	0	0.9ML	MIDLOTHIAN C		
230879	06:16 28.5	55.92	-3.05	334 670		0.1ML	MIDLOTHIAN C		
230679	22:37 35.9	55.92	-3.62	299 671	4	0.2ML	BATHGATE		
150579	21:44 09.3	55.92	-3.11	331 670	4	0.4ML	MIDLOTHIAN C		
150579	20:06 55.4	55.92	-3.07	333 670	0	-0.2ML	MIDLOTHIAN C		
270479	20:36 13.0	55.92	-3.09	332 670	0	0.8ML	MIDLOTHIAN C		
210279	21:03 30.2	55.92	-3.08	333 670	0	0.1ML	MIDLOTHIAN C		
080279	17:51 07.6	55.92	-3.10	331 670	1	0.0ML	MIDLOTHIAN C		
171181	11:57 49.6	55.91	-3.13	329 669		0.9ML	GILMERTON C		
231081	10:32 59.7	55.91	-3.10	331 669		1.6ML	DANDERHALL C		
290881	00:30 28.0	55.91	-3.10	331 669	3	0.2ML	DANDERHALL C		
050681	05:02 31.9	55.91	-3.11	331 669	3	0.2ML	GILMERTON C		
270381	13:16 40.2	55.91	-3.06	334 669	3	0.2ML	MILLERHILL C		
210181	19:59 36.5	55.91	-3.09	332 669	0	-0.1ML	DANDERHALL C		
241280	20:17 56.1	55.91	-3.28	320 669		0.3ML	DANDERHALL C		
171280	17:25 24.9	55.91	-3.14	329 669		0.2ML	GILMERTON C		
101280	18:33 48.1	55.91	-3.07	333 669	0	0.2ML	MILLERHILL C		
091080	14:39 34.6	55.91	-3.14	329 669	3	0.5ML	DANDERHALL C		
161179	21:44 34.6	55.91	-3.08	332 669	0	0.5ML	MIDLOTHIAN C		
061181	04:11 25.4	55.90	-3.03	336 668		-0.1ML	DALKEITH C		
110981	00:19 38.9	55.90	-3.11	331 668		0.8ML	LASSWADE C		
040981	06:20 17.0	55.90	-3.08	332 668	2	0.5ML	SHERIFFHILL C		
051280	02:52 57.1	55.90	-3.19	326 668		0.4ML	MIDLOTHIAN C		
101080	04:33 39.2	55.90	-3.07	333 668		-0.1ML	DANDERHALL C		
091080	14:39 55.0	55.90	-3.10	331 668	0	0.4ML	DANDERHALL C		
220680	23:04 51.0	55.90	-3.02	336 668		0.0ML	COUSLAND C		
201181	18:36 49.1	55.89	-3.05	334 667	0	0.8ML	NEWBATTLE C		
250781	13:21 54.5	55.89	-3.16	327 667		0.9ML	BURDIEHSE C		
170681	00:50 38.1	55.89	-3.11	331 667	3	0.7ML	LOANHEAD C		
030681	23:17 57.0	55.89	-3.14	329 667		0.2ML	LOANHEAD C		
110381	03:47 24.2	55.89	-3.10	331 667		0.8ML	LASSWADE C		
180980	00:35 30.1	55.89	-3.11	331 667		-0.1ML	BONNYRIGG C		
180380	19:02 45.8	55.89	-3.08	332 667	1	1.1ML	BONNYRIGG C		
030380	18:48 13.7	55.89	-3.08	332 667	1	0.9ML	BONNYRIGG C		
260280	18:33 43.8	55.89	-3.09	332 667	0	0.8ML	BONNYRIGG C		
170180	03:32 51.9	55.89	-3.07	333 667	0	0.6ML	MIDLOTHIAN C	2	
041279	07:53 11.9	55.89	-3.07	333 667	0	1.3ML	ESKBANK C	3	
260979	23:47 09.6	55.89	-3.07	333 667	1	-0.3ML	BONNYRIGG C		
110979	18:50 19.9	55.89	-3.11	331 667	6	0.5ML	MIDLOTHIAN C		
280879	22:29	55.89	-3.74	291 668	2	1.1ML	ARMADALE C	4	
080279	17:51 14.3	55.89	-3.11	331 667	2	0.0ML	MIDLOTHIAN C		
040182	03:18 40.8	55.88	-3.09	332 666		-0.2ML	LASSWADE C		
291181	13:36 36.4	55.88	-3.07	333 666		0.0ML	LASSWADE C		
191181	04:24 32.3	55.88	-3.05	334 666		0.3ML	EASTHOUSES C		
021181	20:53 38.4	55.88	-3.11	331 666		0.2ML	LASSWADE C		
051081	23:42 47.2	55.88	-3.12	330 666		-0.1ML	NEWBATTLE C		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
300781	00:00 15.6	55.88	-3.09	332 666		-0.5ML	ESKBANK	C	
270681	19:05 42.0	55.88	-3.09	332 666		0.0ML	LASSWADE	C	
190581	03:39 47.5	55.88	-3.12	330 666		0.8ML	POLTON	C	
010581	02:03 07.4	55.88	-3.10	331 666		0.2ML	BONNYRIGG	C	
240381	05:10 54.8	55.88	-3.15	328 666		0.2ML	LOANHEAD	C	
070381	15:59 41.3	55.88	-3.13	329 666	3	0.1ML	LASSWADE	C	
050381	08:20 06.4	55.88	-3.11	331 666		0.0ML	LASSWADE	C	
171280	06:18 46.2	55.88	-3.10	331 666	2	0.4ML	LASSWADE	C	
161280	02:26 53.6	55.88	-3.13	329 666	0	0.6ML	POLTON	C	
131280	09:14 02.9	55.88	-3.10	331 666		-0.3ML	LASSWADE	C	
121280	22:56 43.5	55.88	-3.12	330 666	0	0.9ML	LASSWADE	C	
121280	20:29 54.9	55.88	-3.10	331 666		0.5ML	LASSWADE	C	
111280	19:49 29.1	55.88	-3.12	330 666	0	0.9ML	LASSWADE	C	
071280	22:21 33.3	55.88	-3.12	330 666	2	0.4ML	LASSWADE	C	
061280	16:04 21.4	55.88	-3.05	334 666		0.0ML	MIDLOTHIAN	C	
281180	18:17 39.0	55.88	-3.09	332 666*	2	0.3ML	LASSWADE	C	
061180	04:19 00.5	55.88	-4.59	238 668	3	1.2ML	PT GLASGOW	C	
180980	02:47 55.0	55.88	-3.12	330 666		-0.5ML	LOANHEAD	C	
180980	01:43 02.6	55.88	-3.13	329 666	1	0.1ML	POLTON	C	
220680	09:47 01.0	55.88	-3.28	320 666		1.1ML	PENTLAND HLS	C	
220580	01:52 39.4	55.88	-3.13	329 666	1	0.6ML	POLTON	C	
190280	18:50 42.1	55.88	-3.06	334 666	0	0.5ML	MIDLOTHIAN	C	
260180	23:53 47.6	55.88	-3.08	332 666	0	0.7ML	MIDLOTHIAN	C	2
260979	23:48 59.9	55.88	-3.12	330 666		0.0ML	BONNYRIGG	C	
260979	23:48 24.9	55.88	-3.11	331 666	2	0.3ML	BONNYRIGG	C	2
260979	23:48 16.2	55.88	-3.12	330 666	2	0.4ML	BONNYRIGG	C	2
260979	23:47 10.3	55.88	-3.10	331 666	1	0.8ML	BONNYRIGG	C	3
271181	06:01 45.1	55.87	-3.09	332 665		0.2ML	LASSWADE	C	
131181	17:17 42.1	55.87	-3.14	329 665		-0.2ML	POLTON	C	
201081	19:53 22.3	55.87	-3.15	328 665	1	0.0ML	ROSLIN	C	
100981	18:03 03.7	55.87	-3.13	329 665		0.6ML	POLTON	C	
070981	03:28 22.3	55.87	-3.07	333 665		-0.1ML	LASSWADE	C	
300881	02:29 26.9	55.87	-3.10	331 665		-0.2ML	POLTON	C	
290881	09:24 31.0	55.87	-3.10	331 665	0	0.7ML	POLTON	C	
290881	09:22 45.2	55.87	-3.11	331 665	1	1.1ML	POLTON	C	
040881	19:12 03.6	55.87	-3.12	330 665	0	0.5ML	POLTON	C	
240681	20:57 11.4	55.87	-3.13	329 665		-0.1ML	ROSEWELL	C	
040681	12:14 56.9	55.87	-3.14	329 665	1	0.8ML	ROSLIN GL	C	
260581	21:48 34.7	55.87	-3.14	329 665	2	0.4ML	POLTON	C	
200581	09:57 21.0	55.87	-3.12	330 665	0	0.9ML	POLTON	C	
110581	18:09 00.8	55.87	-3.11	331 665	0	0.1ML	LASSWADE	C	
070581	18:23 12.1	55.87	-3.14	329 665		0.4ML	POLTON	C	
160481	18:34 25.2	55.87	-3.12	330 665	0	0.4ML	POLTON	C	
100481	00:21 46.4	55.87	-3.13	329 665	0	0.1ML	POLTON	C	
080481	12:54 41.8	55.87	-3.14	329 665	0	0.3ML	POLTON	C	
080481	03:50 11.9	55.87	-3.12	330 665	0	0.4ML	POLTON	C	
030481	21:49 09.1	55.87	-3.12	330 665	1	0.5ML	POLTON	C	
030481	21:26 12.6	55.87	-3.12	330 665	0	0.6ML	POLTON	C	
050281	19:30 26.6	55.87	-3.14	329 665	3	0.2ML	POLTON	C	
290181	07:00 46.1	55.87	-3.13	329 665	1	1.0ML	POLTON	C	
230181	11:19 06.5	55.87	-3.13	329 665		1.1ML	POLTON	C	
140181	01:06 13.7	55.87	-3.15	328 665		0.4ML	POLTON	C	2
120181	14:04 48.7	55.87	-3.13	329 665	1	0.6ML	POLTON	C	
080181	11:02 02.7	55.87	-3.13	329 665	0	0.9ML	POLTON	C	
251280	10:14 06.9	55.87	-3.12	330 665	0	0.9ML	LASSWADE	C	
241280	07:28 27.0	55.87	-3.12	330 665	0	0.5ML	LASSWADE	C	
241280	07:28 23.8	55.87	-3.11	331 665	0	0.0ML	LASSWADE	C	
231280	12:45 48.1	55.87	-3.10	331 665		-0.2ML	LASSWADE	C	
231280	01:23 44.8	55.87	-3.15	328 665	3	0.1ML	ROSLIN	C	
221280	20:49 38.0	55.87	-3.12	330 665	0	0.4ML	LASSWADE	C	
221280	09:22 51.5	55.87	-3.12	330 665	1	1.0ML	LASSWADE	C	
181280	12:31 16.8	55.87	-4.28	257 666		0.8ML	GLASGOW	C	
181280	05:44 22.3	55.87	-3.13	329 665	3	0.4ML	POLTON	C	
181280	05:41 39.1	55.87	-3.13	329 665	2	0.5ML	POLTON	C	
171280	01:33 50.0	55.87	-3.12	330 665	0	0.5ML	LASSWADE	C	
091280	17:14 28.2	55.87	-3.13	329 665	2	1.0ML	LASSWADE	C	
041280	21:50 02.7	55.87	-3.13	329 665	3	0.8ML	ROSEWELL	C	
041280	01:36 31.8	55.87	-3.12	330 665	0	0.2ML	ROSEWELL	C	
031280	05:03 55.0	55.87	-3.13	329 665	0	0.9ML	ROSEWELL	C	
011280	19:30 16.7	55.87	-3.13	329 665	0	0.5ML	ROSEWELL	C	
291180	06:29 42.5	55.87	-3.13	329 665	0	0.3ML	ROSEWELL	C	
111180	01:15 33.7	55.87	-3.14	329 665		-0.7ML	MIDLOTHIAN	C	
180980	02:41 20.3	55.87	-3.13	329 665	0	0.2ML	POLTON	C	
130780	19:21 36.7	55.87	-3.12	330 665	1	0.6ML	POLTON	C	
040780	00:36 04.6	55.87	-3.14	329 665	3	0.9ML	POLTON	C	
030580	04:54 06.4	55.87	-3.13	329 665	1	0.6ML	POLTON	C	2
030480	22:58 42.7	55.87	-3.13	329 665	1	0.0ML	POLTON	C	
020280	04:23 38.5	55.87	-3.14	329 665	1	0.6ML	MIDLOTHIAN	C	2
131279	22:49 28.2	55.87	-3.14	329 665		0.8ML	MIDLOTHIAN	C	
251079	22:53 50.8	55.87	-3.14	329 665	0	0.5ML	MIDLOTHIAN	C	

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid KmE	ref KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
260479	03:25 50.3	55.87	-3.01	337	665	3	0.2ML	MIDLOTHIAN C		
130379	23:36 30.5	55.87	-3.07	333	665	0	0.4ML	MIDLOTHIAN C		
261181	01:11 02.4	55.86	-3.14	329	664	1	1.8ML	ROSEWELL C		
251181	23:41 25.1	55.86	-3.10	331	664		0.4ML	DALHOUSIE C		
191181	01:34 39.3	55.86	-3.10	331	664		0.3ML	DALHOUSIE C		
181181	15:58 02.2	55.86	-3.09	332	664		0.2ML	LASSWADE C		
221081	08:35 20.2	55.86	-3.08	332	664		0.2ML	DALHOUSIE C		
131081	14:19 26.5	55.86	-3.09	332	664		0.6ML	DALHOUSIE C		
250881	19:16 22.9	55.86	-3.14	329	664	1	1.0ML	ROSLIN GL C		
120881	21:36 39.1	55.86	-3.13	329	664		0.5ML	POLTON C		
270681	01:38 47.3	55.86	-3.14	329	664	1	-0.4ML	ROSLIN C		
260681	05:29 38.7	55.86	-3.15	328	664	1	-0.2ML	ROSEWELL C		
240681	05:38 07.8	55.86	-3.14	329	664	1	0.7ML	ROSLIN C		
060681	09:06 04.3	55.86	-3.14	329	664	0	0.1ML	ROSLIN C		
050681	11:33 26.2	55.86	-3.15	328	664	0	0.2ML	ROSLIN C		
050681	04:51 24.6	55.86	-3.14	329	664		1.0ML	ROSLIN GL C		
020681	03:52 12.8	55.86	-3.14	329	664	2	0.8ML	POLTON C		
240581	07:40 14.3	55.86	-3.14	329	664	0	0.6ML	ROSLIN GL C		
180581	07:38 27.8	55.86	-3.14	329	664		0.4ML	ROSLIN GL C		
150581	02:51 59.1	55.86	-3.14	329	664		0.3ML	ROSLIN GL C		
140581	02:23 42.9	55.86	-3.14	329	664		0.2ML	ROSLIN GL C		
090581	22:01 31.7	55.86	-3.14	329	664	2	0.2ML	ROSLIN GL C		
060581	06:40 20.8	55.86	-3.14	329	664	0	0.2ML	ROSLIN GL C		
010581	11:25 00.5	55.86	-3.14	329	664		0.3ML	ROSLIN GL C		
290481	07:54 31.6	55.86	-3.15	328	664	2	0.1ML	ROSLIN C		
250481	15:42 42.0	55.86	-3.13	329	664		0.3ML	ROSEWELL C		
020481	04:09 24.7	55.86	-3.14	329	664	0	0.3ML	ROSEWELL C		
110381	12:06 29.6	55.86	-3.14	329	664	3	1.2ML	POLTON C		
260181	18:21 52.6	55.86	-3.12	330	664		0.4ML	LASSWADE C		
080181	17:01 38.6	55.86	-3.16	327	664		0.7ML	ROSLIN C		
281180	18:18 08.5	55.86	-3.10	331	664	4	0.4ML	ROSEWELL C		
161180	09:48 22.4	55.86	-3.12	330	664	4	0.2ML	ROSEWELL C		
111180	18:32 54.7	55.86	-3.10	331	664	1	0.8ML	DANDERHALL C		
100980	05:48 28.1	55.86	-3.12	330	664	0	0.4ML	ROSEWELL C		
010880	06:42 30.0	55.86	-3.12	330	664	2	0.8ML	ROSEWELL C		
050780	22:10 28.8	55.86	-3.09	332	664	0	0.2ML	DALHOUSIE C		
020780	11:42 19.7	55.86	-3.13	329	664	2	1.4ML	ROSEWELL C		
240680	22:54 24.0	55.86	-3.12	330	664	0	0.7ML	ROSEWELL C		
110680	03:25 25.3	55.86	-3.14	329	664	1	0.4ML	POLTON C		
030680	07:48 25.8	55.86	-3.14	329	664	0	0.2ML	ROSEWELL C		
020680	06:05 57.3	55.86	-3.14	329	664	0	0.6ML	ROSEWELL C		
160580	21:51 15.1	55.86	-3.13	329	664	0	0.5ML	BONNYRIGG C		
280480	00:27 19.6	55.86	-3.14	329	664	0	0.5ML	ROSEWELL C		
180380	00:53 11.1	55.86	-3.14	329	664	0	0.5ML	ROSEWELL C		
040380	21:30 50.2	55.86	-3.15	328	664	0	0.7ML	S ROSEWELL C		
250280	22:07 30.3	55.86	-3.15	328	664	1	1.0ML	ROSEWELL C		
240180	19:54 14.2	55.86	-3.14	329	664	1	0.5ML	MIDLOTHIAN C		
160180	06:08 26.7	55.86	-3.14	329	664	0	0.8ML	MIDLOTHIAN C		
281279	04:36 55.1	55.86	-3.14	329	664	0	0.7ML	MIDLOTHIAN C		
191279	05:02 57.8	55.86	-3.13	329	664	0	0.8ML	MIDLOTHIAN C		
111279	20:17 04.3	55.86	-3.14	329	664	0	0.9ML	MIDLOTHIAN C		
281179	21:35 42.3	55.86	-3.13	329	664	0	0.9ML	MIDLOTHIAN C		
211179	07:28 05.9	55.86	-3.14	329	664	0	0.5ML	MIDLOTHIAN C		
201179	07:17 34.5	55.86	-3.14	329	664	0	0.3ML	MIDLOTHIAN C		
120979	21:35 26.5	55.86	-3.14	329	664	6	1.1ML	ROSEWELL C	4	
220579	20:38 31.4	55.86	-3.13	329	664	0	0.8ML	MIDLOTHIAN C		
221281	19:56 37.5	55.85	-3.13	329	662		0.4ML	ROSEWELL C		
221281	04:11 44.3	55.85	-3.14	329	662		-0.1ML	ROSEWELL C		
221281	04:09 36.2	55.85	-3.19	326	663		-0.3ML	AUCHENDNNY C		
211281	20:34 00.0	55.85	-3.12	330	662	0	0.3ML	ROSEWELL C		
241181	11:05 19.6	55.85	-3.12	330	662		0.8ML	ROSEWELL C		
191181	17:37 57.1	55.85	-3.12	330	662	1	1.0ML	ROSEWELL C		
161181	19:01 09.5	55.85	-3.12	330	662	2	0.8ML	ROSEWELL C		
131181	15:43 38.5	55.85	-3.14	329	662		0.4ML	ROSEWELL C		
101181	02:37 17.4	55.85	-3.12	330	662	2	0.5ML	ROSEWELL C		
061181	11:29 35.1	55.85	-3.13	329	662	2	0.7ML	ROSEWELL C		
041181	19:55 58.9	55.85	-3.13	329	662	2	0.3ML	ROSEWELL C		
041181	15:29 08.0	55.85	-3.13	329	662	0	0.5ML	ROSEWELL C		
141081	06:59 27.1	55.85	-3.14	329	662	3	1.2ML	ROSEWELL C		
141081	06:59 00.8	55.85	-3.14	329	662		0.9ML	ROSEWELL C		
141081	06:58 39.5	55.85	-3.14	329	662	1	1.0ML	ROSEWELL C		
141081	06:55 28.8	55.85	-3.14	329	662	2	0.9ML	ROSEWELL C		
110681	07:43 40.1	55.85	-3.14	329	662	0	0.8ML	ROSEWELL C		
130581	07:25 12.3	55.85	-3.14	329	662	0	0.5ML	ROSEWELL C		
070581	23:33 56.7	55.85	-3.14	329	662	3	0.9ML	ROSEWELL C		
070581	13:29 04.9	55.85	-3.15	328	662		0.2ML	ROSEWELL C		
020481	20:12 27.0	55.85	-3.21	324	663	2	0.0ML	GLENCOURSE C		
050281	02:43 41.8	55.85	-3.08	332	662	0	0.5ML	CARRINGTON C		
010281	00:08 19.4	55.85	-3.14	329	662	1	0.1ML	ROSEWELL C		
020780	01:09 49.0	55.85	-3.17	327	662		0.2ML	ROSLIN C		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid KME KmN	ref KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
090580	17:54 20.9	55.85	-3.15	328	662	0	0.6ML	ROSLIN	C	
100380	22:15 06.1	55.85	-3.14	329	662	0	0.0ML	ROSEWELL	C	
100380	21:49 28.1	55.85	-3.14	329	662	0	0.3ML	ROSEWELL	C	
051279	07:52 13.3	55.85	-3.19	326	663	0	0.9ML	MIDLOTHIAN	C	
221281	10:47 47.5	55.84	-3.16	327	661		0.3ML	AUCHENDNNY	C	
031281	05:29 40.8	55.84	-3.15	328	661	2	0.0ML	ROSEWELL	C	
021281	02:05 33.0	55.84	-3.13	329	661		0.8ML	ROSEWELL	C	
261181	20:02 31.8	55.84	-3.12	330	661		0.6ML	ROSEWELL	C	
181181	02:34 41.7	55.84	-3.14	329	661	0	0.7ML	ROSEWELL	C	
171181	11:31 11.6	55.84	-3.13	329	661		0.6ML	ROSEWELL	C	
131181	15:42 52.1	55.84	-3.20	325	661		-0.4ML	PENICUIK	C	
121181	18:08 15.6	55.84	-3.14	329	661		0.5ML	ROSEWELL	C	
111181	08:31 59.7	55.84	-3.13	329	661	2	0.2ML	ROSEWELL	C	
101181	17:53 56.9	55.84	-3.13	329	661		0.7ML	ROSEWELL	C	
051181	17:22 03.7	55.84	-3.15	328	661		0.2ML	ROSEWELL	C	
020581	17:44 23.2	55.84	-3.13	329	661		0.0ML	ROSEWELL	C	
030279	06:45 28.5	55.84	-3.13	329	661		-0.3ML	MIDLOTHIAN	C	
261281	13:06 54.3	55.81	-5.47	183	663	3	0.9ML	TARBERT		
231281	09:26 44.3	55.78	-3.19	325	655		0.0ML	BILSTON	C	
140880	02:39 40.5	55.78	-3.12	330	655		0.2ML	GLADHOUSE	C	
010281	01:09 36.2	55.73	-4.19	262	651		0.9ML	E. KILBRIDE		
270980	07:16 13.4	55.72	-0.92	468	648		0.6ML	BERWICKTWEED		
080279	00:51 45.7	55.72	-5.20	199	652		1.5ML	SOUND BUTE		
151079	14:59 58.6	55.70	-5.54	178	651	2	1.5ML	KINTYRE		
260381	21:08 56.6	55.65	-6.34	127	648		1.3ML	ISLAY		
181179	09:24 53.8	55.62	-3.67	295	638	6	1.0ML	TINTO HILL		
121081	19:44 22.4	55.52	-3.07	332	626	3	1.0ML	ST MARYS LCH		
150481	18:46 03.2	55.52	-4.04	271	627	1	1.2ML	MUIRKIRK		
250681	15:33 37.4	55.49	-1.82	411	622		1.8ML	ALNWICK		
080481	19:34 20.4	55.49	-2.50	368	622	0	0.8ML	JEDBURGH		
260481	09:53 08.7	55.48	-3.83	284	622	2	1.0ML	CRAWFORD JOHN		
221181	13:43 19.6	55.47	-3.40	312	620		1.0ML	TWEEDSMUIR		
100980	03:33 08.5	55.32	-2.78	351	603		1.0ML	HAWICK		
170780	23:06 31.3	55.32	-3.61	298	604	5	1.4ML	LOWTHER HLS		
270680	01:54 39.7	55.29	-3.59	299	601		0.4ML	LOWTHER HLS		
250381	22:14 50.4	55.28	-3.47	307	599	3	2.0ML	BEATOCK AREA		
261279	05:26 35.3	55.28	-2.83	347	599		0.6ML	LONGTOWN		
030880	01:17 23.3	55.27	-3.75	289	599		0.7ML	THORNHILL		
160481	18:33 44.6	55.24	-2.82	348	594		0.7ML	LIDDESDALE		
261279	04:17 35.5	55.21	-2.77	351	591	3	1.0ML	LONGTOWN		
130581	13:37 44.2	55.19	-2.46	371	589		1.6ML	KIELDER RES		
240881	08:32 40.9	55.18	-3.03	334	588		0.5ML	LANGHOLM		
061181	15:21 20.7	55.17	-2.84	346	587		1.2ML	LIDDESDALE		
121179	13:31 38.9	55.17	-2.82	348	587	1	1.3ML	LONGTOWN		
271181	13:33 05.5	55.15	-2.71	355	584		1.1ML	LIDDESDALE		
261279	04:04 54.7	55.14	-2.83	347	583	5	1.3ML	LONGTOWN		
261279	04:12 00.7	55.13	-2.89	343	582	4	1.2ML	LONGTOWN		
261279	17:38 02.7	55.12	-2.85	346	581	3	1.4ML	LONGTOWN		
261279	04:16 50.0	55.12	-2.92	341	581	0	1.4ML	LONGTOWN		
261279	04:00 15.8	55.12	-2.87	345	581	3	1.7ML	LONGTOWN		
091079	01:29 21.4	55.12	-2.88	344	581	4	1.9ML	LONGTOWN		
290481	04:12 16.1	55.11	-2.75	352	580	4	1.1ML	LONGTOWN		
280180	13:22 30.0	55.11	-2.90	343	580	2	2.6ML	LONGTOWN		
280481	21:35 17.9	55.10	-2.81	348	579		1.2ML	LONGTOWN		
191080	04:37 03.7	55.10	-2.85	346	579	6	0.4ML	LONGTOWN		
070780	13:51 29.6	55.1	-1.5	432	579		1.4ML	WHITLEY BAY		
271279	17:23 29.5	55.10	-2.88	344	579	3	2.3ML	LONGTOWN	3	
050881	19:06 56.5	55.09	-2.87	344	578	0	1.5ML	LONGTOWN		
250481	01:49 54.7	55.09	-2.80	349	578	0	1.1ML	LONGTOWN		
250180	03:45 00.3	55.09	-2.81	348	578	8	1.7ML	LONGTOWN		
261279	05:44 23.1	55.09	-2.80	349	578	10	1.1ML	LONGTOWN		
261181	21:44 50.4	55.08	-2.74	353	576	1	1.7ML	LONGTOWN	3	25
171079	20:57 28.3	55.08	-2.92	341	577	1	1.7ML	LONGTOWN	3	
300780	15:33 44.0	55.07	-2.84	346	575	1	2.5ML	LONGTOWN		
260180	03:00 06.8	55.07	-2.93	341	575	6	1.0ML	LONGTOWN		
271279	23:05 25.4	55.07	-2.81	348	575	9	2.3ML	LONGTOWN	3	
271279	05:39 21.8	55.07	-2.92	341	575		1.0ML	LONGTOWN		
250180	15:01 29.9	55.06	-2.84	346	574	4	2.7ML	LONGTOWN	4	450
240180	23:49 47.9	55.06	-2.87	344	574	9	0.9ML	LONGTOWN		
261279	10:02 48.5	55.06	-2.76	351	574	1	1.0ML	LONGTOWN		
250481	01:45 42.9	55.05	-2.77	351	573	6	1.9ML	LONGTOWN		
190880	22:53 16.2	55.05	-2.93	341	573	5	0.8ML	LONGTOWN		
020280	11:45 01.6	55.05	-2.93	341	573	4	1.2ML	LONGTOWN		
020280	10:45 23.9	55.05	-2.93	341	573	7	1.2ML	LONGTOWN		
220180	18:53 34.8	55.05	-2.86	345	573	6	1.8ML	LONGTOWN	3	
311279	11:24 55.5	55.05	-2.84	346	573	4	1.7ML	LONGTOWN		
261279	03:57 07.3	55.05	-2.86	345	573	5	4.8ML	LONGTOWN	6	20000
050881	21:23 20.3	55.04	-2.82	348	572	5	1.2ML	LONGTOWN		
070480	12:09 54.3	55.04	-2.93	341	572	6	1.0ML	LONGTOWN		
260380	01:02 20.9	55.04	-2.88	344	572	8	1.9ML	LONGTOWN	2	

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
230180	07:42 10.4	55.04	-2.88	344 572	7	1.6ML	LONGTOWN		
301279	10:40 10.7	55.04	-2.82	348 572	4	1.2ML	LONGTOWN		
261279	04:59 19.2	55.04	-2.80	349 572	9	1.6ML	LONGTOWN		
100880	02:15 49.7	55.03	-2.91	342 571	6	1.6ML	LONGTOWN		
050680	05:22 13.8	55.03	-2.87	344 571	6	1.6ML	LONGTOWN		
070480	12:22 12.0	55.03	-2.90	342 571	7	0.8ML	LONGTOWN		
260380	19:06 59.4	55.03	-2.88	344 571	8	1.3ML	LONGTOWN		
150380	07:19 40.0	55.03	-2.88	344 571	4	1.4ML	LONGTOWN		
080380	07:21 44.8	55.03	-2.88	344 571	7	1.1ML	LONGTOWN		
220280	04:47 02.7	55.03	-2.87	344 571	5	0.4ML	LONGTOWN		
210280	19:06 37.9	55.03	-2.88	344 571	8	0.5ML	LONGTOWN		
210280	17:14 35.3	55.03	-2.87	344 571	10	0.6ML	LONGTOWN		
030280	17:39 11.3	55.03	-2.87	344 571	7	1.6ML	LONGTOWN		
070180	18:14 31.9	55.03	-2.89	343 571	7	1.7ML	LONGTOWN		
010180	05:43 59.8	55.03	-2.83	347 571	7	1.6ML	LONGTOWN		
190381	07:47 28.3	55.02	-2.89	343 570	7	1.7ML	LONGTOWN	3	10
220281	22:54 08.8	55.02	-2.87	344 570	5	1.2ML	LONGTOWN		
200181	14:30 56.3	55.02	-2.87	344 570	4	0.9ML	LONGTOWN		
170181	04:52 38.7	55.02	-2.87	344 570	6	1.7ML	LONGTOWN		
020181	17:22 31.6	55.02	-2.82	348 570	5	0.9ML	LONGTOWN		
141280	05:29 39.6	55.02	-2.82	348 570	6	1.1ML	LONGTOWN		
131280	10:31 01.4	55.02	-2.86	345 570	6	3.5ML	LONGTOWN	5	1000
191080	05:32 47.0	55.02	-2.86	345 570	6	1.0ML	LONGTOWN		
191080	04:36 44.7	55.02	-2.86	345 570	5	1.3ML	LONGTOWN		
191080	02:35 19.7	55.02	-2.87	344 570	5	0.7ML	LONGTOWN		
061080	22:40 40.9	55.02	-2.85	346 570	5	0.8ML	LONGTOWN		
041080	01:15 18.8	55.02	-2.84	346 570	6	1.7ML	LONGTOWN		
060780	21:17 16.7	55.02	-2.87	344 570	6	1.2ML	LONGTOWN		
070580	15:12 03.3	55.02	-2.84	346 570	7	3.2ML	LONGTOWN	4	500
130480	03:44 03.9	55.02	-2.87	344 570	7	0.0ML	LONGTOWN		
070480	12:09 49.9	55.02	-2.87	344 570	6	0.8ML	LONGTOWN		
050480	05:07 52.1	55.02	-2.86	345 570	6	0.5ML	LONGTOWN		
280380	18:02 05.5	55.02	-2.87	344 570	7	0.6ML	LONGTOWN		
130380	09:04 07.4	55.02	-2.88	344 570	7	1.3ML	LONGTOWN		
110380	11:44 16.9	55.02	-2.89	343 570	7	1.4ML	LONGTOWN		
110380	02:03 54.0	55.02	-2.88	344 570	6	0.8ML	LONGTOWN		
220180	19:32 15.9	55.02	-2.90	342 570	0	0.8ML	LONGTOWN		
200180	17:16 07.6	55.02	-2.85	346 570	5	0.7ML	LONGTOWN		
060679	04:42 47.8	55.02	-1.37	440 570		2.0ML	OFF S SHIELD		
300181	03:40 35.6	55.01	-2.85	346 569	6	1.1ML	LONGTOWN		
220181	03:03 34.5	55.01	-2.87	344 569	6	1.4ML	LONGTOWN		
231280	19:34 37.4	55.01	-2.86	345 569	7	1.2ML	LONGTOWN		
191080	04:38 48.8	55.01	-2.86	345 569	6	1.0ML	LONGTOWN		
230980	07:52 21.1	55.01	-2.86	345 569	5	1.6ML	LONGTOWN		
260680	12:12 23.6	55.01	-2.85	346 569	5	1.3ML	LONGTOWN		
300380	17:32 43.1	55.01	-2.88	344 569	7	0.3ML	LONGTOWN		
260380	01:40 06.3	55.01	-2.86	345 569	7	0.6ML	LONGTOWN		
260380	01:19 21.3	55.01	-2.86	345 569	8	0.3ML	LONGTOWN		
280280	14:47 48.3	55.01	-2.87	344 569	8	0.5ML	LONGTOWN		
010180	05:05 47.0	55.01	-2.83	347 569	9	4.1ML	LONGTOWN	5	
080981	18:09 34.2	55.0	-1.1	458 568		1.8ML	OFF TYNEMTH		
160381	13:47 30.1	55.00	-2.85	346 568	6	1.3ML	LONGTOWN		
230181	01:27 25.7	55.00	-0.80	477 568		2.0ML	OFF TYNEMTH		
070580	15:34 03.4	55.00	-2.85	346 568	5	1.6ML	LONGTOWN		
150380	12:31 42.5	55.00	-2.87	344 568	6	0.0ML	LONGTOWN		
030380	23:59 39.7	55.00	-2.85	346 568	5	1.0ML	LONGTOWN		
171079	18:55 42.3	55.00	-2.84	346 568	0	0.8ML	LONGTOWN		
131280	10:45 48.8	54.99	-2.83	347 566	7	0.7ML	LONGTOWN		
040380	18:40 50.8	54.99	-2.84	346 566	7	0.9ML	LONGTOWN		
030180	02:35 47.3	54.99	-2.80	349 566	3	1.7ML	LONGTOWN		
161280	16:30 22.4	54.98	-2.83	347 565	6	0.6ML	LONGTOWN		
200180	03:54 17.4	54.97	-2.88	344 564	6	1.2ML	LONGTOWN		
080180	06:10 59.0	54.97	-2.82	348 564	6	1.3ML	LONGTOWN		
030180	01:59 54.1	54.95	-2.82	347 562	6	0.7ML	LONGTOWN		
090880	12:47 51.4	54.9	-2.7	355 556		1.8ML	BRAMPTON		
120381	16:28 41.4	54.86	-1.29	446 552		1.8ML	OFF SUNDERLD		
120281	16:26 28.8	54.8	-1.4	439 545		2.0ML	CO DURHAM		
261279	14:53 10.7	54.80	-3.04	333 546		0.7ML	LONGTOWN		
100879	17:37 48.6	54.8	-1.0	464 545		2.2ML	HARTLEPOOL		
160381	21:51 09.4	54.75	-0.60	490 540		1.8ML	OFF WHITBY		
300579	18:16 04	54.75	-2.00	400 539		1.1ML	S CONSETT		
200980	07:40 37.9	54.7	-0.2	516 535		2.0ML	WHITBY		
160980	10:30 12.5	54.7	0.0	529 536		1.9ML	WHITBY		
020780	16:11 33	54.7	-1.4	439 534		2.0ML	PETERLEE		
181081	16:08 39.2	54.69	-1.66	422 533		2.5ML	B. AUKLAND		
161180	16:49 43.7	54.60	-3.73	288 524		0.8ML	SOLWAY FIRTH		
221179	17:20 38.3	54.6	-1.1	458 523	0	2.1ML	OFF HARTLPOL		
071080	11:57 36.7	54.55	-1.79	414 517		1.5ML	BARNARD CSTL		
261279	04:08 02.9	54.55	-2.60	361 517	3	0.7ML	LONGTOWN		
220980	17:38 21.0	54.5	-0.4	504 513		1.7ML	WHITBY		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
030181	18:46 59.4	54.49	-1.85	410 511		2.3ML	BARNARD CAS.		
030581	21:44	54.43	-1.88	408 504		2.4ML	RICHMOND YKS		
250181	15:48 15.1	54.38	-2.87	343 499		0.8ML	WINDERMERE		
030280	17:38 59.2	54.32	-2.21	386 492		1.4ML	PENNINES		
220980	16:54 02.3	54.3	-0.8	478 490		1.7ML	SCARBOROUGH		
271081	05:13 44.9	54.18	0.30	550 478		4.3ML	FLAMBRGH HD	3+	
261081	22:03 27.1	54.17	0.24	546 477		2.2ML	FLAMBRGH HD		
310381	15:51 34.2	54.00	-2.28	382 456		1.2ML	RIBBLESDALE		
011081	02:34	53.60	-1.19	454 412		1.8ML	DONCASTER		
100681	17:42 29.0	53.48	-2.20	387 398	0	0.0ML	STOKE CLFD		
281280	21:47 42.9	53.48	-4.22	253 400		2.4ML	OFF ANGLESEY	3+	
300381	04:07	53.3	-5.1	193 383		1.4ML	IRISH SEA		
221180	03:45 13.3	53.17	-1.19	454 364		1.8ML	MANSFIELD		
210980	21:16 49.9	53.16	-2.24	384 363		0.6ML	CONGLETON		
071180	15:40 25.3	53.11	-2.15	390 357		1.4ML	BIDDULPH		
311281	08:40	53.1	-2.2	387 356		1.3ML	STOKE AREA		
271281	17:35	53.1	-2.2	387 356		1.6ML	STOKE AREA		
171181	14:31	53.1	-2.2	387 356		2.2ML	STOKE CLFD	3+	
230681	11:34	53.1	-2.2	387 356		1.4ML	STOKE AREA		
281280	14:23 21.4	53.10	-2.27	382 356		1.5ML	TALKE AREA		
271280	01:00 46.6	53.10	-2.29	381 356	4	0.3ML	TALKE AREA		
221280	15:07 33.2	53.10	-2.28	381 356		1.7ML	TALKE AREA		
221280	07:54 33.1	53.10	-2.28	381 356		1.7ML	TALKE AREA		
081280	00:25 01.5	53.10	-2.13	391 356		1.5ML	BIDDULPH		
091180	00:11 01.5	53.10	-2.28	381 356		3.2ML	TALKE AREA	3+	
071180	05:09	53.1	-2.2	387 356		1.4ML	STOKE AREA		
061180	10:16	53.1	-2.2	387 356		1.6ML	STOKE AREA		
221080	01:32 11.4	53.10	-2.31	379 356		0.7ML	TALKE AREA		
021080	01:37 52.9	53.10	-2.27	382 356		0.7ML	TALKE AREA		
060980	02:28 02.5	53.10	-2.21	386 356		0.5ML	BIDDULPH		
170880	03:08	53.1	-2.2	387 356		1.9ML	STOKE AREA		
150880	07:25	53.1	-2.2	387 356		2.4ML	TALKE AREA		
140880	21:06	53.1	-2.2	387 356		2.0ML	STOKE AREA		
140880	20:51	53.1	-2.2	387 356		2.6ML	STOKE CLFD		
070880	00:22	53.1	-2.2	387 356		3.0ML	STOKE CLFD		
070880	00:21	53.1	-2.2	387 356		1.7ML	STOKE CLFD		
190780	05:33	53.1	-2.2	387 356		2.7ML	STOKE AREA		
180780	16:10	53.1	-2.2	387 356		2.2ML	STOKE AREA		
170780	09:04	53.1	-2.2	387 356		2.5ML	STOKE AREA	3+	
170780	06:49	53.1	-2.2	387 356		1.9ML	STOKE AREA		
140780	13:29	53.1	-2.2	387 356		2.0ML	STOKE AREA		
140780	13:25	53.1	-2.2	387 356		0.9ML	STOKE AREA		
100780	14:15	53.1	-2.2	387 356		2.0ML	STOKE AREA		
080780	00:02 48.4	53.1	-2.2	387 356		3.1ML	TALKE AREA	3+	
070780	23:57 19.1	53.1	-2.2	387 356		2.7ML	TALKE AREA	3+	
100680	23:40 33	53.1	-2.2	387 356		2.3ML	STOKE CLFD	3+	
080580	23:18 02	53.1	-2.2	387 356		2.3ML	STOKE CLFD	3+	
140181	19:00 38.4	53.09	-2.15	390 355		0.4ML	KNYPERSLEY		
231280	04:55 33.8	53.09	-2.27	382 355	4	1.4ML	TALKE AREA		
101280	07:01 24.7	53.09	-2.26	383 355		0.7ML	TALKE AREA		
261180	11:28 46.7	53.09	-2.26	383 355	3	1.7ML	TALKE AREA		
201180	19:59 22.3	53.09	-2.27	382 355	3	0.6ML	TALKE AREA		
021080	19:12 39.4	53.09	-2.21	386 355		0.3ML	NEWCHAPEL		
250980	01:33 43.6	53.09	-2.28	381 355		0.7ML	TALKE AREA		
230980	09:12 01.6	53.09	-2.28	381 355		1.2ML	TALKE AREA		
220980	19:38 00.6	53.09	-2.28	381 355		1.4ML	TALKE AREA		
220980	19:27 07.3	53.09	-2.28	381 355		1.6ML	TALKE AREA		
220980	18:53 35.0	53.09	-2.27	382 355		1.2ML	TALKE AREA		
210980	14:22 27.2	53.09	-2.28	381 355		1.1ML	TALKE AREA		
210980	11:12 28.3	53.09	-2.29	381 355		1.6ML	TALKE AREA		
200980	14:51 28.6	53.09	-2.21	386 355		0.5ML	TALKE AREA		
050980	04:51 42.0	53.09	-2.25	383 355	5	1.5ML	TALKE AREA		
221281	04:15 36.8	53.08	-2.23	385 354		2.4ML	STOKE AREA	3+	
221081	11:40 48.3	53.08	-2.26	383 354	4	1.8ML	TALKE AREA		
240981	11:47 08.6	53.08	-2.25	383 354		1.6ML	TALKE AREA		
070981	13:09 13.4	53.08	-2.25	383 354	4	2.3ML	TALKE AREA		
190881	20:03 33.8	53.08	-2.27	382 354	3	1.2ML	TALKE AREA		
190881	19:16 15.2	53.08	-2.26	383 354	4	2.3ML	TALKE AREA		
050881	20:34 09.6	53.08	-2.27	382 354	4	2.8ML	TALKE AREA		
050881	19:55 30.0	53.08	-2.26	383 354	4	2.4ML	TALKE AREA		
210681	02:00 34.2	53.08	-4.52	231 357		2.2ML	CAERNARFON B		
110681	17:40 28.6	53.08	-2.27	382 354	4	1.5ML	TALKE AREA		
130481	18:10	53.08	-2.20	387 354		1.9ML	STOKE CLFD		
100481	06:01 03.5	53.08	-2.26	383 354	4	1.2ML	TALKE AREA		
070481	16:59	53.08	-2.26	383 354	4	1.6ML	TALKE AREA		
060481	17:52	53.08	-2.26	383 354	3	2.5ML	TALKE AREA		
290181	03:29 57.8	53.08	-2.28	381 354		0.7ML	TALKE AREA		
240181	03:01 57.1	53.08	-2.27	382 354	5	0.4ML	TALKE AREA		
230181	22:52 48.4	53.08	-2.18	388 354	0	1.7ML	STOKE CLFD		
210181	23:17 10.3	53.08	-2.27	382 354	5	1.4ML	TALKE AREA		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
111280	09:52 54.3	53.08	-2.28	381 354		1.2ML	TALKE AREA		
111280	09:08 01.8	53.08	-2.27	382 354		0.6ML	TALKE AREA		
101280	00:39 57.7	53.08	-2.20	387 354		0.2ML	STOKE CLFD		
301180	23:38 38.9	53.08	-2.29	381 354		0.1ML	TALKE AREA		
301180	17:12 18.4	53.08	-2.28	381 354		1.2ML	TALKE AREA		
301180	08:32 46.8	53.08	-2.28	381 354		0.8ML	TALKE AREA		
271180	18:15 31.2	53.08	-2.27	382 354	5	0.7ML	TALKE AREA		
261180	11:34 26.0	53.08	-2.29	381 354		1.0ML	TALKE AREA		
221180	16:39 59.1	53.08	-2.29	381 354		0.3ML	TALKE AREA		
101180	22:10 05.3	53.08	-2.28	381 354		0.1ML	TALKE AREA		
101180	11:44 03.8	53.08	-2.28	381 354	5	0.8ML	TALKE AREA		
091180	16:24 57.4	53.08	-2.32	379 354	5	0.6ML	TALKE AREA		
091180	08:19 05.3	53.08	-2.29	381 354	5	0.4ML	TALKE AREA		
091180	07:12 18.5	53.08	-2.28	381 354	5	2.2ML	TALKE AREA	3+	
091180	00:34 19.2	53.08	-2.29	381 354		0.3ML	TALKE AREA		
081180	11:12 01.3	53.08	-2.28	381 354		1.4ML	TALKE AREA		
081180	09:31 26.1	53.08	-2.28	381 354	4	1.0ML	TALKE AREA		
031180	03:50 41.0	53.08	-2.31	379 354		0.6ML	TALKE AREA		
300980	14:16 33.5	53.08	-2.29	381 354		0.7ML	TALKE AREA		
270980	03:44 45.8	53.08	-2.27	382 354		1.1ML	TALKE AREA		
270980	02:01 43.1	53.08	-2.26	383 354	5	0.9ML	TALKE AREA		
240980	04:08 11.0	53.08	-2.24	384 354		0.9ML	TALKE AREA		
230980	22:25 53.5	53.08	-2.19	387 354		0.8ML	PACKMOOR		
230980	00:08 48.0	53.08	-2.27	382 354		1.3ML	TALKE AREA		
220980	20:43 02.1	53.08	-2.27	382 354	5	1.1ML	TALKE AREA		
220980	19:43 34.7	53.08	-2.26	383 354		1.5ML	TALKE AREA		
210980	23:53 01.9	53.08	-2.27	382 354		1.0ML	TALKE AREA		
210980	13:02 19.6	53.08	-2.26	383 354	5	1.5ML	TALKE AREA		
210980	11:27 04.8	53.08	-2.27	382 354		0.2ML	TALKE AREA		
160980	18:11 25.1	53.08	-2.27	382 354		1.0ML	TALKE AREA		
160980	01:56 06.7	53.08	-2.27	382 354		1.4ML	TALKE AREA		
150980	18:33 44.6	53.08	-2.67	355 354		1.4ML	TALKE AREA		
150980	02:00 12.6	53.08	-2.28	381 354		1.7ML	TALKE AREA		
140980	23:28 04.6	53.08	-2.25	383 354		0.5ML	TALKE AREA		
140980	12:20 19.8	53.08	-2.28	381 354		1.6ML	TALKE AREA		
130980	14:10 37.4	53.08	-2.27	382 354		1.1ML	TALKE AREA		
130980	02:22 14.1	53.08	-2.28	381 354		0.9ML	TALKE AREA		
130980	02:01 47.0	53.08	-2.27	382 354		1.6ML	TALKE AREA		
080980	23:43 46.3	53.08	-2.28	381 354		1.5ML	TALKE AREA		
010980	02:41 08.4	53.08	-2.27	382 354		1.5ML	TALKE AREA		
261081	04:43 38.6	53.07	-2.27	382 353	4	1.2ML	TALKE AREA		
041081	17:47 11.9	53.07	-2.26	383 353		2.2ML	TALKE AREA		
120981	21:00 29.0	53.07	-2.25	383 353	4	1.6ML	TALKE AREA		
220581	23:50	53.07	-2.25	383 353		1.6ML	TALKE AREA		
070481	12:22	53.07	-2.27	382 353	4	1.8ML	TALKE AREA		
230181	12:29 35.3	53.07	-2.19	387 353	0	1.1ML	STOKE CLFD		
010181	00:11 25.9	53.07	-2.27	382 353		0.4ML	TALKE AREA		
261280	19:27 42.1	53.07	-2.27	382 353		1.6ML	TALKE AREA		
261280	16:26 48.1	53.07	-2.28	381 353	4	1.2ML	TALKE AREA		
261280	16:25 24.6	53.07	-2.27	382 353		1.4ML	TALKE AREA		
161280	11:57 51.1	53.07	-2.26	383 353	5	1.5ML	TALKE AREA		
141280	07:25 54.2	53.07	-2.18	388 353		0.6ML	STOKE CLFD		
141280	02:23 58.7	53.07	-2.27	382 353	5	1.2ML	TALKE AREA		
121280	03:09 53.6	53.07	-2.30	380 353		1.5ML	TALKE AREA		
071280	13:59 10.6	53.07	-2.27	382 353		1.0ML	TALKE AREA		
071280	13:51 39.7	53.07	-2.27	382 353	5	1.3ML	TALKE AREA		
031280	23:33 25.8	53.07	-2.28	381 353		1.2ML	TALKE AREA		
031280	20:35 57.6	53.07	-2.26	383 353	4	1.5ML	TALKE AREA		
031280	19:56 20.6	53.07	-2.28	381 353		0.9ML	TALKE AREA		
031280	10:50 49.2	53.07	-2.27	382 353	5	1.6ML	TALKE AREA		
031280	05:30 19.6	53.07	-2.28	381 353		1.0ML	TALKE AREA		
031280	02:42 54.1	53.07	-2.28	381 353		1.1ML	TALKE AREA		
031280	02:29 11.0	53.07	-2.28	381 353	5	1.7ML	TALKE AREA		
021280	22:21 05.4	53.07	-2.26	383 353	4	0.5ML	TALKE AREA		
021280	13:55 59.7	53.07	-2.27	382 353	5	1.6ML	TALKE AREA		
021280	13:55 45.0	53.07	-2.27	382 353	4	1.7ML	TALKE AREA		
021280	02:43 37.1	53.07	-2.26	383 353	4	1.3ML	TALKE AREA		
301180	23:21 38.5	53.07	-2.28	381 353		0.7ML	TALKE AREA		
281180	10:34 28.6	53.07	-2.27	382 353	5	1.6ML	TALKE AREA		
271180	21:03 05.8	53.07	-2.26	383 353	5	1.5ML	TALKE AREA		
261180	12:11 35.9	53.07	-2.27	382 353	3	1.2ML	TALKE AREA		
221180	18:49 25.2	53.07	-2.27	382 353	5	1.1ML	TALKE AREA		
211180	05:12 59.2	53.07	-2.26	383 353	5	0.6ML	TALKE AREA		
201180	04:43 21.1	53.07	-2.27	382 353		0.8ML	TALKE AREA		
201180	04:40 23.8	53.07	-2.27	382 353		1.7ML	TALKE AREA		
121180	09:09 24.3	53.07	-2.27	382 353	5	0.8ML	TALKE AREA		
121180	08:57 05.5	53.07	-2.27	382 353		1.3ML	TALKE AREA		
121180	05:54 47.9	53.07	-2.26	383 353		0.8ML	TALKE AREA		
111180	22:52 17.9	53.07	-2.27	382 353		0.6ML	TALKE AREA		
111180	20:01 48.3	53.07	-2.26	383 353	5	1.5ML	TALKE AREA		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid KNE	ref KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
111180	09:05 53.4	53.07	-2.27	382	353	5	1.6ML	TALKE AREA		
111180	06:06 51.2	53.07	-2.33	378	353		0.6ML	TALKE AREA		
101180	19:47 30.1	53.07	-2.28	381	353		0.9ML	TALKE AREA		
091180	21:04 40.8	53.07	-2.28	381	353		1.9ML	TALKE AREA	3+	
091180	16:58 21.6	53.07	-2.27	382	353		2.0ML	TALKE AREA		
091180	08:24 49.9	53.07	-2.27	382	353		1.6ML	TALKE AREA		
091180	07:55 46.7	53.07	-2.26	383	353		2.1ML	TALKE AREA		
091180	06:03 44.1	53.07	-2.28	381	353	5	1.1ML	TALKE AREA		
091180	00:55 15.9	53.07	-2.27	382	353		1.4ML	TALKE AREA		
290980	18:15 32.2	53.07	-2.25	383	353		1.1ML	TALKE AREA		
290980	10:39 43.5	53.07	-2.26	383	353		1.1ML	TALKE AREA		
280980	21:40 17.9	53.07	-2.27	382	353		1.5ML	TALKE AREA		
280980	00:09 03.4	53.07	-2.26	383	353		0.6ML	TALKE AREA		
260980	22:11 35.0	53.07	-2.24	384	353		0.8ML	TALKE AREA		
260980	18:40 16.5	53.07	-2.26	383	353	4	1.9ML	TALKE AREA	3+	
220980	18:52 56.3	53.07	-2.24	384	353		1.6ML	TALKE AREA		
170980	02:12 01.4	53.07	-2.25	383	353	3	1.4ML	TALKE AREA		
160980	21:54 07.1	53.07	-2.25	383	353	3	1.6ML	TALKE AREA		
160980	02:15 15.8	53.07	-2.24	384	353		0.4ML	TALKE AREA		
120980	19:19 28.7	53.07	-2.24	384	353	5	1.2ML	TALKE AREA		
080980	06:00 36.1	53.07	-2.25	383	353		1.2ML	TALKE AREA		
060581	00:47 26.5	53.06	-2.26	383	351	4	1.9ML	TALKE AREA		
061280	18:56 30.4	53.06	-2.27	382	351		1.4ML	TALKE AREA		
051280	14:56 47.2	53.06	-2.26	383	351		1.0ML	TALKE AREA		
021280	21:27 44.9	53.06	-2.27	382	351	4	1.7ML	TALKE AREA		
181180	19:32 21.7	53.06	-2.26	383	351		0.6ML	TALKE AREA		
171180	03:42 43.7	53.06	-2.12	392	351		1.1ML	STOKE CLFD		
131180	10:43 23.4	53.06	-2.30	380	351		1.0ML	TALKE AREA		
121180	04:29 13.2	53.06	-2.27	382	351		0.8ML	TALKE AREA		
101180	00:33 13.4	53.06	-2.27	382	351		0.7ML	TALKE AREA		
091180	11:28 33.0	53.06	-2.28	381	351	5	2.5ML	TALKE AREA	3+	
091180	09:19 59.7	53.06	-2.26	383	351		1.5ML	TALKE AREA		
011080	07:36 14.6	53.06	-2.27	382	351		1.2ML	TALKE AREA		
130980	00:28 23.8	53.06	-2.22	385	351		1.1ML	STOKE CLFD		
120980	15:22 35.1	53.06	-2.22	385	351		1.3ML	STOKE CLFD		
120980	15:12 32.8	53.06	-2.24	384	351	3	1.9ML	TALKE AREA	3+	
040980	14:28 57.7	53.06	-2.26	383	351		1.6ML	TALKE AREA		
231180	12:59 26.7	53.05	-2.18	388	350	0	0.3ML	STOKE CLFD		
101180	16:02 29.5	53.05	-4.16	255	353		1.9ML	BEDDGELERT		
091180	14:34 08.6	53.05	-2.15	390	350		0.5ML	STOKE CLFD		
231080	23:19 45.8	53.05	-2.16	389	350		1.3ML	STOKE CLFD		
231080	12:55 40.9	53.05	-2.14	391	350	0	1.7ML	STOKE CLFD		
121080	17:30 53.4	53.05	-2.16	389	350		1.5ML	STOKE CLFD		
111080	02:20 44.6	53.05	-2.22	385	350		0.6ML	STOKE CLFD		
230980	05:11 49.1	53.05	-2.14	391	350		1.2ML	STOKE CLFD		
230980	00:53 41.3	53.05	-2.16	389	350	0	0.8ML	STOKE CLFD		
150980	21:24 20.7	53.05	-2.23	385	350		0.6ML	STOKE CLFD		
120980	18:22 06.8	53.05	-2.22	385	350		0.9ML	STOKE CLFD		
110980	10:23 43.1	53.05	-2.16	389	350	0	1.5ML	STOKE CLFD		
040980	16:18 35.8	53.05	-2.20	387	350		0.5ML	STOKE CLFD		
091079	10:10	53.05	-1.24	451	351		3.0ML	MANSFIELD	4	
071079	08:14	53.05	-1.24	451	351		1.9ML	MANSFIELD	3+	
071079	08:12	53.05	-1.24	451	351		3.1ML	MANSFIELD	4	
071079	06:44	53.05	-1.24	451	351		2.4ML	MANSFIELD	3+	
071079	05:37	53.05	-1.24	451	351		1.9ML	MANSFIELD	3+	
071079	05:26	53.05	-1.24	451	351		2.5ML	MANSFIELD	3+	
071079	04:51	53.05	-1.24	451	351		2.2ML	MANSFIELD	3+	
141081	19:11 12.2	53.04	-2.20	387	349	1	1.5ML	STOKE CLFD		
220981	12:58 53.9	53.04	-2.20	387	349		1.3ML	STOKE CLFD	3+	
190781	05:56 12.0	53.04	-2.20	387	349	1	1.8ML	STOKE CLFD		
221280	16:32 21.5	53.04	-2.19	387	349		0.8ML	STOKE CLFD		
211280	20:31 29.1	53.04	-2.19	387	349	0	0.7ML	STOKE CLFD		
201280	02:01 02.5	53.04	-2.18	388	349	0	0.1ML	STOKE CLFD		
191280	04:14 54.4	53.04	-2.19	387	349	0	0.7ML	STOKE CLFD		
171280	16:30 29.6	53.04	-2.19	387	349		0.9ML	STOKE CLFD		
151280	11:58 53.0	53.04	-2.19	387	349		0.8ML	STOKE CLFD		
151280	07:25 05.0	53.04	-2.20	387	349	1	0.6ML	STOKE CLFD		
121280	01:52 43.8	53.04	-2.16	389	349	0	0.4ML	STOKE CLFD		
111280	11:10 15.2	53.04	-2.19	387	349	1	0.7ML	STOKE CLFD		
101280	09:55 41.2	53.04	-2.19	387	349		0.8ML	STOKE CLFD		
091280	17:08 45.8	53.04	-2.19	387	349	0	0.8ML	STOKE CLFD		
051280	19:06 14.8	53.04	-2.19	387	349	1	0.5ML	STOKE CLFD		
041280	01:11 16.3	53.04	-2.20	387	349		0.6ML	STOKE CLFD		
031280	18:15 17.9	53.04	-2.19	387	349		0.7ML	STOKE CLFD		
031280	02:27 00.4	53.04	-2.19	387	349	1	0.8ML	STOKE CLFD		
021280	21:53 08.5	53.04	-2.18	388	349	1	0.7ML	STOKE CLFD		
281180	13:58 31.1	53.04	-2.20	387	349		0.8ML	STOKE CLFD		
281180	05:56 21.4	53.04	-2.19	387	349		0.7ML	STOKE CLFD		
281180	01:51 59.4	53.04	-2.19	387	349	1	1.0ML	STOKE CLFD		
271180	10:36 05.6	53.04	-2.18	388	349	1	0.9ML	STOKE CLFD		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
261180	03:40 58.5	53.04	-2.19	387 349	1	0.5ML	STOKE CLFD		
251180	12:50 40.8	53.04	-2.21	386 349		0.7ML	STOKE CLFD		
241180	17:35 57.8	53.04	-2.18	388 349	0	0.9ML	STOKE CLFD		
241180	11:10 38.6	53.04	-2.19	387 349		0.7ML	STOKE CLFD		
211180	11:14 19.9	53.04	-2.19	387 349		0.9ML	STOKE CLFD		
201180	20:26 38.4	53.04	-2.19	387 349	1	0.8ML	STOKE CLFD		
201180	13:17 04.5	53.04	-2.19	387 349	1	0.6ML	STOKE CLFD		
201180	09:29 26.4	53.04	-2.18	388 349	1	1.1ML	STOKE CLFD		
131180	21:48 50.8	53.04	-2.19	387 349	1	0.4ML	STOKE CLFD		
151080	11:04 13.3	53.04	-2.13	391 349		1.6ML	STOKE CLFD		
121080	17:18 49.0	53.04	-2.12	392 349		0.7ML	STOKE CLFD		
121080	09:29 35.8	53.04	-2.12	392 349		1.1ML	STOKE CLFD		
021080	23:15 50.3	53.04	-2.13	391 349		0.6ML	STOKE CLFD		
021080	04:17 08.7	53.04	-2.13	391 349		0.5ML	STOKE CLFD		
250980	12:14 22.2	53.04	-2.14	391 349		1.0ML	STOKE CLFD		
250980	08:45 28.8	53.04	-2.21	386 349		1.1ML	STOKE CLFD		
230980	17:04 34.4	53.04	-2.21	386 349		0.3ML	STOKE CLFD		
160980	21:26 16.2	53.04	-2.18	388 349	1	1.2ML	STOKE CLFD		
130980	03:20 29.7	53.04	-2.12	392 349		0.5ML	STOKE CLFD		
100980	19:07 10.1	53.04	-2.18	388 349	1	1.5ML	STOKE CLFD	3+	
100980	16:48 24.0	53.04	-2.18	388 349	0	0.6ML	STOKE CLFD		
100980	03:32 34.0	53.04	-2.19	387 349		1.7ML	STOKE CLFD	3+	
060980	04:01 49.3	53.04	-2.20	387 349		0.2ML	STOKE CLFD		
050980	04:38 15.2	53.04	-2.19	387 349		0.3ML	STOKE CLFD		
050980	01:51 11.2	53.04	-2.19	387 349	1	0.1ML	STOKE CLFD		
030980	19:26 10.6	53.04	-2.12	392 349		1.3ML	STOKE CLFD		
020781	11:02	53.03	-1.14	458 348		2.7ML	NOTTINGHAM	3+	
240581	00:04	53.03	-2.19	387 348	0	3.1ML	STOKE CLFD		
091280	20:27 21.4	53.03	-2.19	387 348	0	0.7ML	STOKE CLFD		
091280	20:17 37.8	53.03	-2.16	389 348	0	0.4ML	STOKE CLFD		
081280	08:52 18.3	53.03	-2.20	387 348		0.6ML	STOKE CLFD		
061280	03:20 50.2	53.03	-2.18	388 348		0.7ML	STOKE CLFD		
251180	17:28 30.3	53.03	-2.17	389 348		0.3ML	STOKE CLFD		
231180	17:39 51.7	53.03	-2.16	389 348	0	0.5ML	STOKE CLFD		
181080	00:42 11.1	53.03	-2.17	389 348	0	1.0ML	STOKE CLFD		
141080	01:32 48.5	53.03	-2.13	391 348		1.5ML	STOKE CLFD		
190980	03:56 59.8	53.03	-2.20	387 348		0.1ML	STOKE CLFD		
220881	21:25 54.4	53.02	-1.16	456 347		1.4ML	NOTTINGHAM		
161280	15:10 30.2	53.02	-2.17	389 347		1.3ML	STOKE CLFD		
051180	09:55 39.4	53.02	-2.18	388 347	0	1.0ML	STOKE CLFD		
261080	09:57 11.0	53.02	-2.16	389 347	0	0.6ML	STOKE CLFD		
021080	23:22 38.3	52.99	-2.27	382 344		0.3ML	KEELE AREA		
131180	02:10 22.3	52.98	-2.19	387 343	0	0.4ML	STOKE CLFD		
250980	22:42 21.5	52.98	-2.20	387 343	0	1.5ML	STOKE CLFD		
071180	19:36 01.1	52.96	-2.14	391 340		1.1ML	STOKE CLFD		
200980	00:57 48.4	52.94	-2.17	389 338		1.0ML	BARLASTON		
231180	11:20 41.5	52.93	-2.11	393 337		0.7ML	STONE AREA		
210181	22:19 01.3	52.92	-2.08	395 336		1.1ML	STONE AREA		
230881	03:30 33.2	52.88	-2.63	358 332		1.3ML	WEM		
240179	02:50	52.43	-3.75	281 283		2.0ML	PLYNLIMON		
080879	05:39	52.39	-2.62	358 277		2.0ML	LUDLOW AREA		
280481	21:42	52.35	-2.82	344 273		1.6ML	LUDLOW AREA		
281078	22:36 55.8	52.34	-2.65	356 272		2.0ML	LUDLOW AREA		
180279	19:26	52.19	-3.48	299 256		1.1ML	BUILTH WELLS		
300780	22:57	52.17	-3.53	295 254		2.0ML	BUILTH WELLS		
140580	21:58	52.17	-2.73	350 253		0.7ML	LEOMINSTER		
091181	13:03 09.4	52.09	-3.00	331 244		-0.1ML	HAY ON WYE		
271178	03:24 23.5	52.08	-3.26	314 243		0.6ML	HAY ON WYE		
240281	19:29	52.04	-3.22	316 239		0.8ML	HAY ON WYE		
070581	00:29 56.7	51.98	-3.62	289 233		2.4ML	LLANDOVERY		
200979	06:43	51.78	-2.64	356 209		-0.4ML	MONMOUTH		
200379	20:14	51.76	-3.23	315 208		2.0ML	RHYMNEY AREA		
161178	23:22	51.75	-3.27	312 207		1.0ML	MERTHYR TYD.		
270279	19:37	51.73	-2.58	360 204		1.3ML	BREAM AREA		
180580	20:11	51.72	-3.27	312 203		1.0ML	MERTHYR TYD.		
220680	05:34 49.7	51.68	-3.02	329 198	0	1.8ML	NEWPORT AREA		
070380	21:57	51.68	-2.97	333 198		1.6ML	NEWPORT AREA		
090180	02:01	51.68	-2.80	345 198		1.5ML	NEWPORT AREA		
120180	08:49 54.4	51.67	-3.00	331 197	0	3.0ML	CWMBRAN	3+	
220680	12:04 18.8	51.66	-3.02	329 196	0	2.4ML	NEWPORT AREA		
070380	09:37	51.66	-3.12	323 196		2.2ML	EBBW VALE		
091181	04:20	51.65	-2.98	332 195		2.1ML	CWMBRAN	3+	
091181	03:10	51.65	-2.98	332 195		2.7ML	CWMBRAN	3+	
091181	03:09	51.65	-2.98	332 195		1.9ML	CWMBRAN		
220280	14:04	51.65	-2.83	343 195		2.2ML	NEWPORT AREA		
070280	11:27	51.65	-2.82	343 195		2.1ML	NEWPORT AREA	3+	
070280	05:17	51.65	-2.85	341 195		2.4ML	NEWPORT AREA	3+	
300180	02:58	51.65	-2.88	339 195		1.7ML	NEWPORT AREA		
190979	20:37	51.65	-3.33	308 195		0.7ML	PONTYPRIDD		
150279	23:10	51.60	-2.48	367 189		0.6ML	BRISTOL AREA		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid KNE KmN	ref KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
290180	21:43	51.57	-3.26	313	186		1.7ML	TREFORREST		
120681	07:36 42.7	50.38	-4.33	234	56	8	2.5ML	LISKEARD	4	1000
250281	22:11 22.1	50.14	-5.17	174	32	10	-0.2ML	CONSTANTINE		
010381	02:08 55.6	50.12	-5.16	174	29	7	-0.9ML	CONSTANTINE		
250281	23:52 00.8	50.12	-5.18	173	29	6	-0.2ML	CONSTANTINE		
250281	23:51 35.8	50.12	-5.18	173	29	6	-0.1ML	CONSTANTINE		
250281	23:09 22.2	50.12	-5.18	173	29	1	-0.8ML	CONSTANTINE		
250281	21:49 01.7	50.12	-5.18	173	29	6	0.4ML	CONSTANTINE		
250281	21:30 07.4	50.12	-5.18	173	29	7	0.5ML	CONSTANTINE		
250281	21:26 28.8	50.12	-5.17	173	29	6	-0.8ML	CONSTANTINE		
250281	21:14 50.2	50.12	-5.18	173	29	6	0.7ML	CONSTANTINE		
250281	21:07 25.2	50.12	-5.17	173	29	6	-0.9ML	CONSTANTINE		
250281	20:58 59.2	50.12	-5.18	173	29	6	1.0ML	CONSTANTINE		
250281	20:48 08.1	50.12	-5.18	173	29	6	0.8ML	CONSTANTINE		
250281	20:46 24.8	50.12	-5.18	173	29	6	-0.2ML	CONSTANTINE		
250281	19:16 18.3	50.12	-5.16	174	29	5	2.3ML	CONSTANTINE	4	
241281	23:45 56.2	50.11	-5.18	173	28	7	-0.3ML	CONSTANTINE		
211281	05:36 20.7	50.11	-5.18	173	28	6	0.6ML	CONSTANTINE		
101281	13:24 58.0	50.11	-5.17	173	28	6	-0.1ML	CONSTANTINE		
041281	14:37 13.9	50.11	-5.18	173	28	6	0.8ML	CONSTANTINE		
061181	12:39 58.1	50.11	-5.19	172	28	6	0.7ML	CONSTANTINE		
030381	01:20 37.9	50.11	-5.17	173	28	6	0.6ML	CONSTANTINE		
010381	05:40 37.4	50.11	-5.17	173	28	6	-0.5ML	CONSTANTINE		
280281	07:47 46.1	50.11	-5.17	173	28	6	0.2ML	CONSTANTINE		
280281	00:52 30.4	50.11	-5.18	173	28	7	-0.7ML	CONSTANTINE		
270281	16:27 57.8	50.11	-5.17	173	28	6	-0.6ML	CONSTANTINE		
270281	12:23 40.0	50.11	-5.17	173	28	6	-0.1ML	CONSTANTINE		
270281	12:22 42.8	50.11	-5.17	173	28	6	0.2ML	CONSTANTINE		
270281	02:58 03.8	50.11	-5.17	173	28	6	0.3ML	CONSTANTINE		
270281	01:34 47.0	50.11	-5.17	173	28	6	0.2ML	CONSTANTINE		
260281	23:23 47.6	50.11	-5.17	173	28	6	-0.7ML	CONSTANTINE		
260281	22:57 55.8	50.11	-5.17	173	28	6	1.0ML	CONSTANTINE		
260281	22:41 49.9	50.11	-5.17	173	28	6	-0.5ML	CONSTANTINE		
260281	22:22 46.6	50.11	-5.17	173	28	6	0.3ML	CONSTANTINE		
260281	21:35 59.3	50.11	-5.17	173	28	6	-0.7ML	CONSTANTINE		
260281	21:23 53.7	50.11	-5.17	173	28	6	-0.3ML	CONSTANTINE		
260281	19:46 35.6	50.11	-5.17	173	28	7	0.6ML	CONSTANTINE		
260281	19:17 38.9	50.11	-5.17	173	28	6	-0.4ML	CONSTANTINE		
260281	17:54 19.9	50.11	-5.17	173	28	6	-0.6ML	CONSTANTINE		
260281	17:05 59.4	50.11	-5.17	173	28	6	-0.4ML	CONSTANTINE		
260281	17:04 58.6	50.11	-5.17	173	28	6	0.1ML	CONSTANTINE		
260281	16:00 10.2	50.11	-5.17	173	28	6	-0.2ML	CONSTANTINE		
260281	15:50 41.4	50.11	-5.17	173	28	7	-0.5ML	CONSTANTINE		
260281	13:26 16.7	50.11	-5.17	173	28	6	0.1ML	CONSTANTINE		
260281	11:54 46.1	50.11	-5.17	173	28	6	0.8ML	CONSTANTINE		
260281	11:21 20.4	50.11	-5.17	173	28	6	0.2ML	CONSTANTINE		
260281	11:02 07.8	50.11	-5.18	173	28	7	-0.4ML	CONSTANTINE		
260281	10:51 48.9	50.11	-5.18	173	28	6	-0.5ML	CONSTANTINE		
260281	10:44 36.8	50.11	-5.17	173	28	6	-0.4ML	CONSTANTINE		
260281	10:33 20.0	50.11	-5.18	173	28	6	0.0ML	CONSTANTINE		
260281	10:04 52.4	50.11	-5.17	173	28	6	0.7ML	CONSTANTINE		
260281	09:52 43.1	50.11	-5.17	173	28	6	2.0ML	CONSTANTINE	4	
260281	09:32 11.9	50.11	-5.17	173	28	6	-0.1ML	CONSTANTINE		
260281	08:57 49.5	50.11	-5.17	173	28	6	0.0ML	CONSTANTINE		
260281	08:54 23.4	50.11	-5.18	173	28	6	-0.5ML	CONSTANTINE		
260281	07:49 20.7	50.11	-5.17	173	28	6	-0.5ML	CONSTANTINE		
260281	07:33 43.4	50.11	-5.17	173	28	6	-0.6ML	CONSTANTINE		
260281	07:33 19.0	50.11	-5.17	173	28	6	-0.1ML	CONSTANTINE		
260281	07:00 06.2	50.11	-5.17	173	28	6	0.3ML	CONSTANTINE		
260281	06:51 40.0	50.11	-5.17	173	28	6	-0.4ML	CONSTANTINE		
260281	06:20 30.4	50.11	-5.17	173	28	6	-0.5ML	CONSTANTINE		
260281	06:05 21.0	50.11	-5.17	173	28	5	-0.4ML	CONSTANTINE		
260281	06:03 37.3	50.11	-5.17	173	28	6	-0.4ML	CONSTANTINE		
260281	05:36 45.9	50.11	-5.17	173	28	6	0.3ML	CONSTANTINE		
260281	05:36 33.7	50.11	-5.17	173	28	5	-0.5ML	CONSTANTINE		
260281	04:57 50.3	50.11	-5.17	173	28	6	-0.5ML	CONSTANTINE		
260281	04:55 52.0	50.11	-5.17	173	28	6	-0.6ML	CONSTANTINE		
260281	04:37 50.3	50.11	-5.17	173	28	6	-0.6ML	CONSTANTINE		
260281	04:11 54.3	50.11	-5.17	173	28	6	-0.3ML	CONSTANTINE		
260281	03:45 11.1	50.11	-5.17	173	28	7	-0.8ML	CONSTANTINE		
260281	02:27 27.6	50.11	-5.17	173	28	6	-0.8ML	CONSTANTINE		
260281	01:44 38.6	50.11	-5.17	173	28	6	-0.6ML	CONSTANTINE		
260281	01:30 16.2	50.11	-5.17	173	28	6	-0.3ML	CONSTANTINE		
260281	01:15 52.8	50.11	-5.16	174	28	7	-0.7ML	CONSTANTINE		
260281	01:14 34.9	50.11	-5.17	173	28	6	-0.5ML	CONSTANTINE		
260281	01:06 14.8	50.11	-5.17	173	28	6	-0.6ML	CONSTANTINE		
260281	01:02 22.5	50.11	-5.17	173	28	6	-0.8ML	CONSTANTINE		
260281	01:02 09.2	50.11	-5.17	173	28	6	-0.7ML	CONSTANTINE		
260281	00:39 16.8	50.11	-5.17	173	28	6	0.5ML	CONSTANTINE		
260281	00:30 21.4	50.11	-5.18	173	28	6	-0.4ML	CONSTANTINE		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
260281	00:21 15.8	50.11	-5.17	173 28	6	1.0ML	CONSTANTINE		
260281	00:12 00.4	50.11	-5.17	173 28	6	0.1ML	CONSTANTINE		
260281	00:11 44.2	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
260281	00:07 29.2	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
260281	00:05 37.7	50.11	-5.17	173 28	6	-0.2ML	CONSTANTINE		
250281	23:57 05.1	50.11	-5.18	173 28	6	-0.2ML	CONSTANTINE		
250281	23:56 20.5	50.11	-5.18	173 28	6	-0.1ML	CONSTANTINE		
250281	23:48 36.2	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	23:45 57.1	50.11	-5.18	173 28	6	-0.4ML	CONSTANTINE		
250281	23:44 43.0	50.11	-5.18	173 28	6	-0.6ML	CONSTANTINE		
250281	23:44 37.4	50.11	-5.18	173 28	6	-0.4ML	CONSTANTINE		
250281	23:40 44.4	50.11	-5.17	173 28	7	1.3ML	CONSTANTINE		
250281	23:39 30.6	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
250281	23:23 03.8	50.11	-5.18	173 28	6	0.4ML	CONSTANTINE		
250281	23:22 41.4	50.11	-5.18	173 28	6	0.1ML	CONSTANTINE		
250281	22:57 32.9	50.11	-5.18	173 28	6	0.8ML	CONSTANTINE		
250281	22:56 49.8	50.11	-5.18	173 28	6	-0.3ML	CONSTANTINE		
250281	22:47 25.8	50.11	-5.17	173 28	6	-0.3ML	CONSTANTINE		
250281	22:38 11.5	50.11	-5.18	173 28	6	0.2ML	CONSTANTINE		
250281	22:37 20.7	50.11	-5.17	173 28	6	-0.2ML	CONSTANTINE		
250281	22:32 41.6	50.11	-5.17	173 28	5	-0.4ML	CONSTANTINE		
250281	22:31 00.2	50.11	-5.18	173 28	6	-0.1ML	CONSTANTINE		
250281	22:27 28.1	50.11	-5.18	173 28	6	0.1ML	CONSTANTINE		
250281	22:26 17.1	50.11	-5.18	173 28	6	-0.2ML	CONSTANTINE		
250281	22:25 04.3	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
250281	22:23 06.4	50.11	-5.18	173 28	6	-0.1ML	CONSTANTINE		
250281	22:22 10.4	50.11	-5.18	173 28	6	0.5ML	CONSTANTINE		
250281	22:15 52.2	50.11	-5.18	173 28	6	-0.2ML	CONSTANTINE		
250281	22:12 18.4	50.11	-5.18	173 28	6	-0.3ML	CONSTANTINE		
250281	21:55 22.6	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	21:51 55.4	50.11	-5.18	173 28	6	0.9ML	CONSTANTINE		
250281	21:51 03.5	50.11	-5.18	173 28	6	-0.1ML	CONSTANTINE		
250281	21:49 43.7	50.11	-5.19	172 28	5	0.1ML	CONSTANTINE		
250281	21:42 04.8	50.11	-5.18	173 28	6	0.3ML	CONSTANTINE		
250281	21:40 26.1	50.11	-5.17	173 28	6	1.9ML	CONSTANTINE		
250281	21:33 33.9	50.11	-5.18	173 28	6	-0.4ML	CONSTANTINE		
250281	21:27 59.3	50.11	-5.17	173 28	6	-0.4ML	CONSTANTINE		
250281	21:25 39.9	50.11	-5.18	173 28	6	0.0ML	CONSTANTINE		
250281	21:18 49.2	50.11	-5.18	173 28	6	0.5ML	CONSTANTINE		
250281	21:13 18.7	50.11	-5.18	173 28	6	1.0ML	CONSTANTINE		
250281	21:10 50.3	50.11	-5.18	173 28	6	0.7ML	CONSTANTINE		
250281	21:03 32.8	50.11	-5.17	173 28	6	1.6ML	CONSTANTINE		
250281	20:58 48.7	50.11	-5.17	173 28	5	0.4ML	CONSTANTINE		
250281	20:48 01.4	50.11	-5.17	173 28	7	0.7ML	CONSTANTINE		
250281	20:47 57.6	50.11	-5.18	173 28	6	0.5ML	CONSTANTINE		
250281	20:47 46.1	50.11	-5.17	173 28	5	0.7ML	CONSTANTINE		
250281	20:47 43.3	50.11	-5.18	173 28	6	-0.1ML	CONSTANTINE		
250281	20:40 58.8	50.11	-5.17	173 28	6	0.8ML	CONSTANTINE		
250281	20:39 26.1	50.11	-5.17	173 28	6	-0.3ML	CONSTANTINE		
250281	20:38 38.6	50.11	-5.18	173 28	6	1.2ML	CONSTANTINE		
250281	20:38 21.9	50.11	-5.17	173 28	6	0.3ML	CONSTANTINE		
250281	20:38 06.2	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
250281	20:37 27.6	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
250281	20:37 18.3	50.11	-5.17	173 28	6	-0.2ML	CONSTANTINE		
250281	20:36 15.6	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
250281	20:35 50.6	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	20:32 56.8	50.11	-5.17	173 28	5	3.5ML	CONSTANTINE	5	2500
250281	20:31 07.7	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	20:30 39.8	50.11	-5.17	173 28	5	-0.1ML	CONSTANTINE		
250281	20:28 31.3	50.11	-5.18	173 28	5	0.1ML	CONSTANTINE		
250281	20:24 00.3	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
250281	20:12 29.9	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	20:12 23.5	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
250281	20:09 46.4	50.11	-5.17	173 28	6	-0.7ML	CONSTANTINE		
250281	19:59 11.4	50.11	-5.18	173 28	6	1.0ML	CONSTANTINE		
250281	19:58 51.8	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	19:52 57.7	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
250281	19:46 20.3	50.11	-5.18	173 28	6	-1.0ML	CONSTANTINE		
250281	19:39 36.2	50.11	-5.17	173 28	6	0.6ML	CONSTANTINE		
250281	19:36 43.1	50.11	-5.17	173 28	6	-0.1ML	CONSTANTINE		
250281	19:35 31.8	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
250281	19:33 15.6	50.11	-5.17	173 28	6	0.3ML	CONSTANTINE		
250281	19:32 33.8	50.11	-5.17	173 28	6	0.2ML	CONSTANTINE		
250281	19:31 44.0	50.11	-5.18	173 28	6	-0.4ML	CONSTANTINE		
250281	19:29 07.5	50.11	-5.18	173 28	5	-0.6ML	CONSTANTINE		
250281	19:28 39.8	50.11	-5.17	173 28	6	-0.6ML	CONSTANTINE		
250281	19:28 14.7	50.11	-5.18	173 28	5	-0.4ML	CONSTANTINE		
250281	19:28 08.1	50.11	-5.17	173 28	6	-0.4ML	CONSTANTINE		
250281	19:24 10.7	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		
250281	19:20 12.9	50.11	-5.17	173 28	6	0.0ML	CONSTANTINE		

Table 2 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
250281	19:18 57.5	50.11	-5.17	173 28	6	0.6ML	CONSTANTINE		
021281	23:15 15.0	50.10	-5.17	173 27	5	-0.2ML	CONSTANTINE		
010381	16:03 25.7	50.10	-5.18	173 27	6	-0.6ML	CONSTANTINE		
260281	03:55 58.6	50.10	-5.18	173 27	6	-0.7ML	CONSTANTINE		
260281	02:14 18.6	50.10	-5.18	173 27	6	-0.8ML	CONSTANTINE		
260281	01:32 29.3	50.10	-5.18	173 27	5	0.5ML	CONSTANTINE		
250281	23:21 48.0	50.10	-5.19	172 27	7	-0.6ML	CONSTANTINE		
250281	21:49 13.4	50.10	-5.19	172 27	6	0.1ML	CONSTANTINE		
250281	20:45 53.0	50.10	-5.17	173 27	7	0.2ML	CONSTANTINE		
250281	19:50 08.5	50.10	-5.19	172 27	6	-0.5ML	CONSTANTINE		
260281	00:12 03.0	50.07	-5.15	175 24	8	-0.4ML	CONSTANTINE		
250281	20:45 48.0	50.07	-5.18	172 24	7	0.5ML	CONSTANTINE		
280281	16:51 25.7	50.06	-5.16	174 23	1	-0.8ML	S HELSTON		
250281	19:41 30.5	50.06	-5.14	175 23	10	0.7ML	CONSTANTINE		

Table 3 : Poorly located British earthquakes, 1979, 1980, 1981 listed chronologically.

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
210279	21:26 10	56.25	-3.73	293 708		-0.1ML	OCHIL HILLS		
210279	21:33 05	56.25	-3.73	293 708		0.0ML	OCHIL HILLS		
240279	14:43					1.3ML	NE ENGLAND		
130379	18:38 12	56.25	-3.73	293 708		-0.2ML	OCHIL HILLS		
140379	19:53 35	56.25	-3.73	293 708		0.3ML	OCHIL HILLS		
180379	20:28 25	56.25	-3.73	293 708		0.5ML	OCHIL HILLS		
180379	22:40 46	56.25	-3.73	293 708		0.5ML	OCHIL HILLS		
230379	23:25 41	56.25	-3.73	293 708		-0.9ML	OCHIL HILLS		
230379	23:26 09	56.25	-3.73	293 708		-0.4ML	OCHIL HILLS		
240379	00:19 26	56.25	-3.73	293 708		-0.1ML	OCHIL HILLS		
300379	22:16 52.7	56.24	-3.74	292 707		-0.3ML	OCHIL HILLS		
310379	00:12 43.2	56.24	-3.74	292 707		-0.1ML	OCHIL HILLS		
310379	00:17 52.5	56.24	-3.74	292 707		-0.4ML	OCHIL HILLS		
310379	00:19 59.6	56.24	-3.74	292 707		-0.9ML	OCHIL HILLS		
310379	00:38 02.2	56.24	-3.74	292 707		-0.2ML	OCHIL HILLS		
310379	01:00 49.2	56.24	-3.74	292 707		0.1ML	OCHIL HILLS		
310379	01:01 17.8	56.24	-3.74	292 707		0.4ML	OCHIL HILLS		
310379	01:33 16.8	56.24	-3.74	292 707		-0.4ML	OCHIL HILLS		
310379	01:34 18.5	56.24	-3.74	292 707		-0.9ML	OCHIL HILLS		
310379	09:32 14.6	56.24	-3.74	292 707		-0.1ML	OCHIL HILLS		
310379	09:48 01.8	56.24	-3.74	292 707		0.3ML	OCHIL HILLS		
310379	09:48 28.1	56.24	-3.74	292 707		-0.6ML	OCHIL HILLS		
310379	09:48 47.6	56.24	-3.74	292 707		-0.1ML	OCHIL HILLS		
310379	09:48 51.4	56.24	-3.74	292 707		0.2ML	OCHIL HILLS		
310379	11:08 48.3	56.24	-3.74	292 707		0.1ML	OCHIL HILLS		
310379	11:09 16.6	56.24	-3.74	292 707		-0.5ML	OCHIL HILLS		
310379	11:10 11.2	56.24	-3.74	292 707		-0.5ML	OCHIL HILLS		
310379	15:51 48.1	56.24	-3.74	292 707		-0.7ML	OCHIL HILLS		
310379	15:53 06.5	56.24	-3.74	292 707		-0.4ML	OCHIL HILLS		
310379	17:15 14.3	56.24	-3.74	292 707		0.2ML	OCHIL HILLS		
310379	19:21 34.8	56.24	-3.74	292 707		0.4ML	OCHIL HILLS		
010479	20:49 08.7	56.24	-3.74	292 707		0.5ML	OCHIL HILLS		
020479	05:57 56.6	56.24	-3.74	292 707		0.1ML	OCHIL HILLS		
020479	06:08 23.4	56.24	-3.74	292 707		-0.8ML	OCHIL HILLS		
030479	06:09 59.8	56.24	-3.74	292 707		-0.6ML	OCHIL HILLS		
040479	06:41 15.2	56.24	-3.74	292 707		0.2ML	OCHIL HILLS		
060479	19:03 28.2	56.24	-3.74	292 707		1.0ML	OCHIL HILLS		
060479	20:20 48.5	56.24	-3.74	292 707		-0.1ML	OCHIL HILLS		
070479	03:24 55.2	56.24	-3.74	292 707		0.2ML	OCHIL HILLS		
070479	05:00 01.2	56.24	-3.74	292 707		1.0ML	OCHIL HILLS		
150479	01:07 52.9	56.23	-3.74	292 706		-0.4ML	OCHIL HILLS		
150479	02:20 55.5	56.23	-3.74	292 706		-0.6ML	OCHIL HILLS		
150479	03:15 54.6	56.23	-3.74	292 706		-0.6ML	OCHIL HILLS		
150479	04:42 21.7	56.23	-3.74	292 706		-0.5ML	OCHIL HILLS		
150479	05:07 34.1	56.23	-3.74	292 706		-0.5ML	OCHIL HILLS		
150479	05:10 55.9	56.23	-3.74	292 706		0.2ML	OCHIL HILLS		
150479	05:11 13.1	56.23	-3.74	292 706		0.8ML	OCHIL HILLS		
150479	05:39 07.9	56.23	-3.74	292 706		-0.5ML	OCHIL HILLS		
150479	05:58 58.4	56.23	-3.74	292 706		-0.2ML	OCHIL HILLS		
150479	13:32 10.5	56.23	-3.74	292 706		0.0ML	OCHIL HILLS		
150479	22:40 07.2	56.23	-3.74	292 706		-0.3ML	OCHIL HILLS		
150479	22:53 22.5	56.23	-3.74	292 706		-0.2ML	OCHIL HILLS		
160479	03:18 35.6	56.23	-3.74	292 706		-0.3ML	OCHIL HILLS		
160479	18:04 02.7	56.23	-3.74	292 706		0.8ML	OCHIL HILLS		
160479	18:18 51.9	56.23	-3.74	292 706		-0.4ML	OCHIL HILLS		
200479	20:24 46.9	56.23	-3.74	292 706		0.5ML	OCHIL HILLS		
200479	23:10 03.4	56.23	-3.74	292 706		0.5ML	OCHIL HILLS		
210479	00:11 30.5	56.23	-3.74	292 706		0.2ML	OCHIL HILLS		
210479	00:22 23.8	56.23	-3.74	292 706		0.2ML	OCHIL HILLS		
210479	01:45 50.4	56.23	-3.74	292 706		0.3ML	OCHIL HILLS		
210479	18:31 35.7	56.23	-3.74	292 706		0.3ML	OCHIL HILLS		
230479	22:38 29.0	56.23	-3.74	292 706		-0.2ML	OCHIL HILLS		
250479	06:17 13.5	56.23	-3.74	292 706		0.3ML	OCHIL HILLS		
250479	18:34						NORTH SEA		
270479	04:28					0.1ML	MIDLOTHIAN C		
030579	21:42 48.8	56.23	-3.74	292 706		-0.3ML	OCHIL HILLS		
040579	01:33 26.7	56.23	-3.74	292 706		-0.2ML	OCHIL HILLS		
040579	03:04 17.3	56.27	-3.71	294 710		0.0ML	OCHIL HILLS		
040579	03:16 24.8	56.27	-3.71	294 710		0.0ML	OCHIL HILLS		
060579	15:38 42.7	56.27	-3.71	294 710		-0.3ML	OCHIL HILLS		
060579	16:49 35.9	56.25	-3.74	292 708		-0.2ML	OCHIL HILLS		
060579	16:55 04.5	56.25	-3.74	292 708		-0.1ML	OCHIL HILLS		
060579	17:03 55.5	56.25	-3.74	292 708		-0.4ML	OCHIL HILLS		
060579	17:05 56.5	56.25	-3.74	292 708		-1.2ML	OCHIL HILLS		
060579	17:08 19.0	56.25	-3.74	292 708		-0.5ML	OCHIL HILLS		
060579	17:16 46.3	56.25	-3.74	292 708		0.3ML	OCHIL HILLS		
060579	17:42 46.1	56.25	-3.74	292 708		0.4ML	OCHIL HILLS		
060579	18:09 23.0	56.25	-3.74	292 708		0.5ML	OCHIL HILLS		
060579	18:18 18.3	56.25	-3.74	292 708		-0.1ML	OCHIL HILLS		
060579	18:55 47.0	56.25	-3.74	292 708		-0.2ML	OCHIL HILLS		

Table 3 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KNE KNN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
060579	19:02 57.0	56.25	-3.74	292 708		-0.5ML	OCHIL HILLS		
060579	19:29 33.8	56.25	-3.74	292 708		-0.6ML	OCHIL HILLS		
060579	20:41 37.8	56.25	-3.74	292 708		-0.6ML	OCHIL HILLS		
060579	23:18 23.4	56.25	-3.74	292 708		0.2ML	OCHIL HILLS		
070579	04:30 23.1	56.25	-3.74	292 708		0.2ML	OCHIL HILLS		
070579	06:23 08.6	56.25	-3.74	292 708		-0.4ML	OCHIL HILLS		
090579	22:51 51.8	56.25	-3.74	292 708		-0.5ML	OCHIL HILLS		
100579	02:06 21.1	56.25	-3.74	292 708		0.4ML	OCHIL HILLS		
020679	06:16 34.3	56.25	-3.69	295 708		0.1ML	OCHIL HILLS		
040679	01:21 11.1	56.25	-3.75	292 708		-0.8ML	OCHIL HILLS		
120679	21:10						NORTH SEA		
140679	06:18 56.9	56.25	-3.75	292 708		-0.1ML	OCHIL HILLS		
230679	01:25 35.7	56.88	-4.69	236 780			GLEN SPEAN		
100879	19:30 18.4	59.53	-5.04	228 1075		2.2ML	NW SCOT.EXPN		
110879	20:46 28.0	59.39	-4.38	265 1058		2.6ML	NW SCOT.EXPN		
240879	15:33 21.8	54.70	-2.41	374 534	0	2.0ML	PENRITH		
300879	18:21					0.9ML	KINTAIL		
080979	22:50 06.8	56.25	-3.75	292 708		-0.1ML	OCHIL HILLS		
021079	19:38 36.6						MIDLOTHIAN C		
291079	12:59 02.6	56.11	-3.98	277 693	0	1.2ML	SW STIRLING		
171179	01:07 34.2					-0.1ML	MIDLOTHIAN C		
191179	15:22 07.0	55.08	-2.03	398 576	3	2.2ML	N HEXHAM		
061279	03:14 58.0	55.85	-3.19	326 663		0.2ML	MIDLOTHIAN C		
191279	21:56 15.6	55.86	-3.13	329 664		0.6ML	MIDLOTHIAN C		
231279	00:59	57.1	-5.2	206 806		1.8ML	KINTAIL		
090180	06:37	55.9	-3.1	331 668			MIDLOTHIAN C		
170180	04:40 00.0	63.0	-1.0			3.1ML	NORWEG. SEA		
180180	16:00 51.0	60.5	1.8			2.9ML	NORTH SEA		
200180	22:07 02.5	73.4	13.6		10	4.7MB	NORWEG. SEA		
100280	15:06 28.9	58.32	1.61			2.7ML	NORTH SEA		
030380	14:12						NORTH SEA		
300380	03:53 46.2	63.2	0.3			2.5ML	NORWEG. SEA		
160480	19:32	56.4	-3.7	295 724		-0.5ML	CRIEFF		
100680	13:15 56.1	64.1	-6.6				NORWEG. SEA		
100680	22:41 56.7	55.93	-3.41	312 672	5	0.7ML	NEWBRIDGE		
130680	07:31 16.7	62.1	0.9			1.8ML	NORTH SEA		
250680	03:43 30.1	56.4	-0.7				NORTH SEA		
060980	19:25						NORTH SEA		
170980	13:04 30.2	63.1	-3.0				NORWEG. SEA		
240980	23:54	56.25	-3.75	292 708		0.0ML	OCHIL HILLS		
221080	21:35	56.2	-3.7	295 702		0.6ML	OCHIL HILLS		
221080	22:16	56.2	-3.7	295 702		1.3ML	OCHIL HILLS		
231080	01:33	56.2	-3.7	295 702		1.5ML	OCHIL HILLS		
231080	01:41	56.2	-3.7	295 702		1.8ML	OCHIL HILLS		
231080	06:21	55.9	-3.1	331 668		0.7ML	MIDLOTHIAN C		2
241080	21:44	55.9	-3.1	331 668		0.2ML	MIDLOTHIAN C		
251080	20:44	56.2	-3.7	295 702		1.0ML	OCHIL HILLS		
261080	00:24	56.2	-3.7	295 702		0.8ML	OCHIL HILLS		
261180	21:39					2.6ML	ROTHERHAM		3+
301180	07:27	53.	-2.	400 345		1.8ML	MIDLANDS		
031280	04:14 57.0	65.0	1.0			3.9ML	NORWEG. SEA		
031280	04:16						NORTH SEA		
010181	21:21 25	63.0	0.0			3.2ML	NORWEG. SEA		
040181	01:36 12	61.0	0.0			1.3ML	NORTH SEA		
210181	19:36					3.1ML	NORTH SEA		
080281	11:10 55.6	54.51	-2.61	361 513		0.9ML	SHAP AREA		
130281	17:37						NORTH SEA		
220281	14:50					1.3ML	BNARD CSTLE		
260281	22:34 56.6	56.5	3.1			2.7ML	NORTH SEA		
020381	12:48 43.2	54.76	-2.47	370 541		1.7ML	ALSTON		
120381	01:52						NORTH SEA		
250381	21:40 10.2	52.8	-1.7	420 323		2.2ML	DERBY AREA		
290381	23:46 34.0	53.9	-5.7	157 451		1.5ML	IRISH SEA		
010481	07:52 51.9	54.80	-2.17	389 545	0	2.0ML	ALLENHEADS		
160481	01:12 38.2	55.5	2.5	684 632		2.4ML	DOGGER BANK		
290481	03:08 51.3	61.2	3.7			2.5ML	NORTH SEA		
260581	16:54						NORTH SEA		
290581	09:51 12	59.2	-5.4	206 1040		1.8ML	N CAPE WRATH		
220681	04:38 15.9	65.5	1.1			4.9MB*	NORWEG. SEA		
280681	07:16 36.6	65.7	0.1			3.3MB*	NORWEG. SEA		
290681	12:16						NORTH SEA		
150781	08:10 14.7	65.5	-0.7			3.5ML	NORWEG. SEA		
150781	15:10 45.4	55.15	-3.71	291 585		1.7ML	DUNSCORE		
230781	15:31						NORTH SEA		
040881	10:53 20.4	59.9	-4.9	238 1116		2.8ML	EXPL SHET		
070981	07:55						NORTH SEA		
200981	22:46						NORTH SEA		
181081	06:14						NORTH SEA		
211081	22:47						NORTH SEA		
231081	06:20						NORTH SEA		
231081	15:13						BEATOCK		

Table 3 : continued

Date DyMnYr	Time Hr Mn Secs	Lat	Lon	Grid ref KmE KmN	Depth Kms	Mag	Place	Int Io	Felt area Sq Kms
071181	13:24 20.1	52.6	-3.7	285 302		2.3ML	MID WALES		
091181	01:48						NORTH SEA		
201181	14:32						NORTH SEA		
251181	19:00 58.2	65.3	1.3			3.7ML	NORWEG. SEA		
031281	21:19 31.6	55.83	-3.21	324 660		0.2ML	PENICUIK C		
091281	06:39 54.9	55.83	-3.11	330 660		0.3ML	CARRINGTON C		
091281	14:08 39.3	59.6	1.5			1.9ML	NORTH SEA		
111281	01:19 50.9	55.82	-3.21	324 659	1	0.2ML	PENICUIK C		
111281	15:53 51.4	55.80	-3.11	330 657		0.4ML	ROSEBERY R C		
111281	16:35 05.7	55.88	-3.00	337 666		0.4ML	CHESTERHLL C		
151281	21:43 06.4	55.81	-3.21	324 658		0.3ML	HOWGATE C		
161281	17:54 10.0	59.6	1.5			0.5ML	NORTH SEA		
181281	13:42 19.9	55.83	-3.16	327 660		0.3ML	HOWGATE C		
301281	08:17						NORTH SEA		

Table 4 : Geographical co-ordinates of seismograph stations operating
1979, 1980, 1981

CODE	STATION NAME	LAT	LONG	GRID REF KMS E, KMS N	HEIGHT	YEAR OPENED-CLOSED
AHE	(HEMPNAL)	52.4730	1.3074	624.60 /291.30	50M	1980-
AWH	(WHINBURGH)	52.6299	0.9512	599.70 /307.70	60M	1980-
BYL	(BERYL)	59.5567	1.5161		-118M	1980-80
BYL	(BERYL)	59.5581	1.5078		-118M	1981-81
CBH	(BTHWAITE HL)	54.8438	-2.9089	341.640/550.280	92M	1980-81
CBW	(BUDOCK WATER)	50.1482	-5.1144	177.525/032.290	98M	1981-
CCA	(CARNMENELLS)	50.1864	-5.2277	169.620/036.870	213M	1981-
CCH	(CHAPELKNOWE)	55.0424	-3.0837	330.760/572.530	85M	1980-81
CCO	(CONSTANTINE)	50.1357	-5.1960	171.640/031.145	183M	1981-
CGH	(GOONHILLY)	50.0508	-5.1649	173.465/021.610	91M	1981-
CKL	(KIRKLINTON)	54.9958	-2.8861	343.320/567.170	35M	1980-81
CPZ	(PENZANCE)	50.1560	-5.5835	144.065/034.655	198M	1981-
CRH	(ROADHEAD)	55.0634	-2.7509	352.050/574.590	194M	1980-81
CRQ	(ROSEMANOWES)	50.1672	-5.1728	173.445/034.570	165M	1981-
CSA	(ST. AUSTELL)	50.3528	-4.8936	194.180/054.390	113M	1981-
CST	(STITHIANS)	50.1952	-5.1635	174.240/037.660	139M	1981-
QWF	(CHARWOOD FST)	52.7382	-1.3071	446.78 /315.88	152M	1975-
EAB	(ABERFOYLE)	56.1881	-4.3400	254.80 /701.95	250M	1969-
EAU	(AUCHINON)	55.8444	-3.4547	308.92 /662.20	350M	1969-
EBH	(BLACK HILL)	56.2481	-3.5081	306.56 /707.19	375M	1969-
EBL	(BROAD LAW)	55.7733	-3.0436	334.54 /653.82	365M	1969-
ECK	(CALKIN RIG)	55.1812	-3.1271	328.237/588.022	337M	1981-
EDI	(EDINBURGH)	55.9233	-3.1861	325.89 /670.66	125M	1969-
EDU	(DUNDEE)	56.5475	-3.0142	337.65 /739.95	275M	1969-
EGL	(GALA LAW)	55.8617	-2.7383	353.79 /663.41	245M	1969-81
ELO	(LOGIEALMOND)	56.4703	-3.7114	294.58 /732.21	495M	1969-
ESK	(ESKDALEMUIR)	55.3167	-3.2050	323.536/603.179	263M	1965-
ESY	(STONEYPATH)	55.9177	-2.6144	361.603/669.569	328M	1981-
HOG	(CRAIG GOCH)	52.3224	-3.6567	287.1 /270.7	511M	1980-
HGH	(GRAY HILL)	51.6380	-2.8064	344.2 /193.6	720M	1980-
HPK	(HAVERAH PARK)	53.9554	-1.6240	424.67 /451.12	227M	1978-
HTL	(HARTLAND)	50.9944	-4.4850	225.636/124.667	91M	1981-
JLP	(LES PLATONS)	49.2428	-2.1039		131M	1981-
JRS	(MSON, ST LOUIS)	49.1924	-2.0917		53M	1981-
JSA	(ST AUBINS)	49.1879	-2.1709		21M	1981-
JVM	(VAL.D.L. MARE)	49.2169	-2.2068		64M	1981-
KYL	(KYLE)	57.3196	-5.6506	180.225/831.325	105M	1978-
LRW	(LERWICK)	60.1360	-1.1779	445.66 /1139.27	100M	1978-
MCD	(COLEBURN DSTL)	57.5827	-3.2541	325.02 /855.41	280M	1981-
MCH	(MICHAELCHURCH)	51.9977	-2.9983	331.47 /233.77	760M	1978-
MDO	(DOCHFOUR)	57.441	-4.363	258.17 /841.43	366M	1981-
MLA	(LATHERON)	58.305	-3.364	320.1 /935.9	190M	1981-
MME	(MEIKLECAIRN)	57.315	-2.965	341.9 /825.3	455M	1981-
SBD	(BRYN DU)	52.9055	-3.2588	315.35 /335.01	497M	1980-
SML	(MERELAKE)	53.0814	-2.2846	380.94 /353.87	150M	1980-81
SNC	(NEWCHAPEL)	53.0848	-2.2034	386.37 /354.23	210M	1980-81
SRO	(ROUCH FARM)	53.0163	-2.1032	393.08 /346.59	220M	1980-81
STD	(DIMSDALE)	53.0326	-2.2338	384.32 /348.43	152M	1980-81
STM	(STOKE-ON-TRENT)	53.0033	-2.2648	382.23 /345.13	198M	1975-
WAL	(WALLS)	60.2576	-1.6133	421.40 /1152.60	170M	1980-
YEL	(YELL)	60.5509	-1.0830	450.29 /1185.55	200M	1979-

Table 5 : Typical depth/velocity model for Britain

Depth to top of layer (Kms)	P-wave velocity (Kms/sec)
0.0	4.0
2.52	5.9
7.55	6.45
18.87	7.0
34.15	8.0

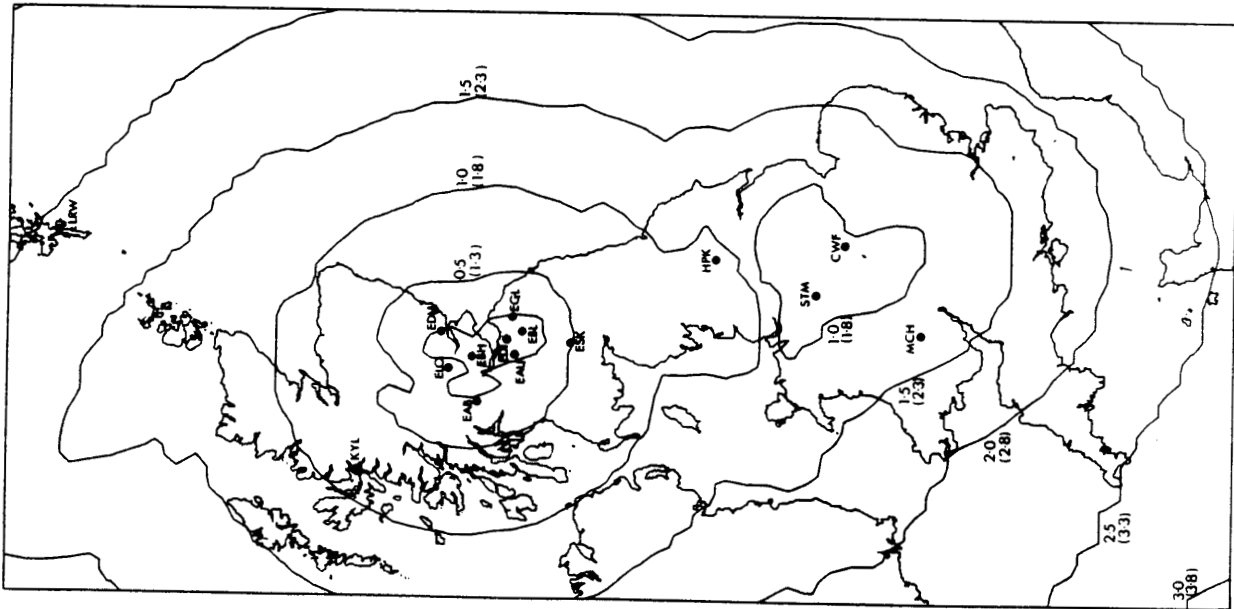
$$V_p/V_s = 1.73$$

Table 6 : Modified Mercalli intensity scale (abbreviated)

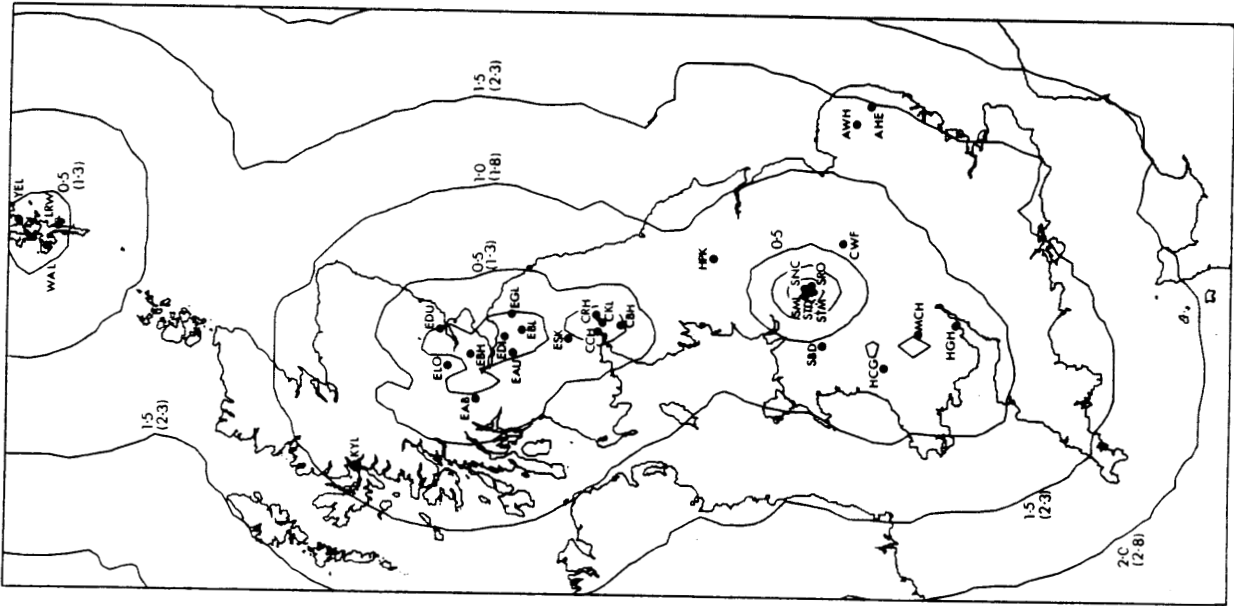
1. Not felt. Marginal and long-period effects of large earthquakes.
2. Felt by persons at rest, on upper floors, or favourably placed.
3. Felt indoors. Hanging objects swing. Vibration like passing of light trucks. Duration estimated. May not be recognized as an earthquake.
4. Hanging objects swing . Vibration like passing of heavy trucks; or sensation of a jolt like a heavy ball striking the walls. Standing motor cars rock. Windows, dishes, doors rattle. Glasses clink. Crockery clashes. In the upper range of IV wooden walls and frame creak.
5. Felt outdoors; direction estimated. Sleepers wakened. Liquids disturbed. some spilled. Small unstable objects displaced or upset. Door swing, close, open. Shutters, pictures move. Pendulum clocks stop, start, change rate.
6. Felt by all. Many frightened and run outdoors. Persons walk unsteadily. Windows, dishes, glassware broken. Knickknacks, books, etc., off shelves. Pictures off walls. Furniture moved or overturned. Weak plaster and masonry cracked. Small bells ring (church, school). Trees, bushes shaken (visibly, or heard to rustle.)
7. Difficult to stand. Noticed by drivers of motor cars. Hanging objects quiver. Furniture broken. Damage to masonry including cracks. Weak chimneys broken at roof line. Fall of plaster, loose bricks, stones, tiles, cornices (also unbraced parapets and architectural ornaments). Waves on ponds; water turbid with mud. Small slides and caving in along sand or gravel banks. Large bells ring. Concrete irrigation ditches damaged.
8. Steering of motor cars affected. Damage to masonry; partial collapse. Fall of stucco and some masonry walls. Twisting, fall of chimneys, factory stacks, monuments, towers, elevated tanks. Frame houses moved on foundations if not bolted down; loose panel walls thrown out. Decayed piling broken off. Branches broken from trees. Changes in flow or temperature of springs and wells. Cracks in wet ground and on steep slopes.

Continues to intensity 12 (Damage nearly total).

1979



1980



1981

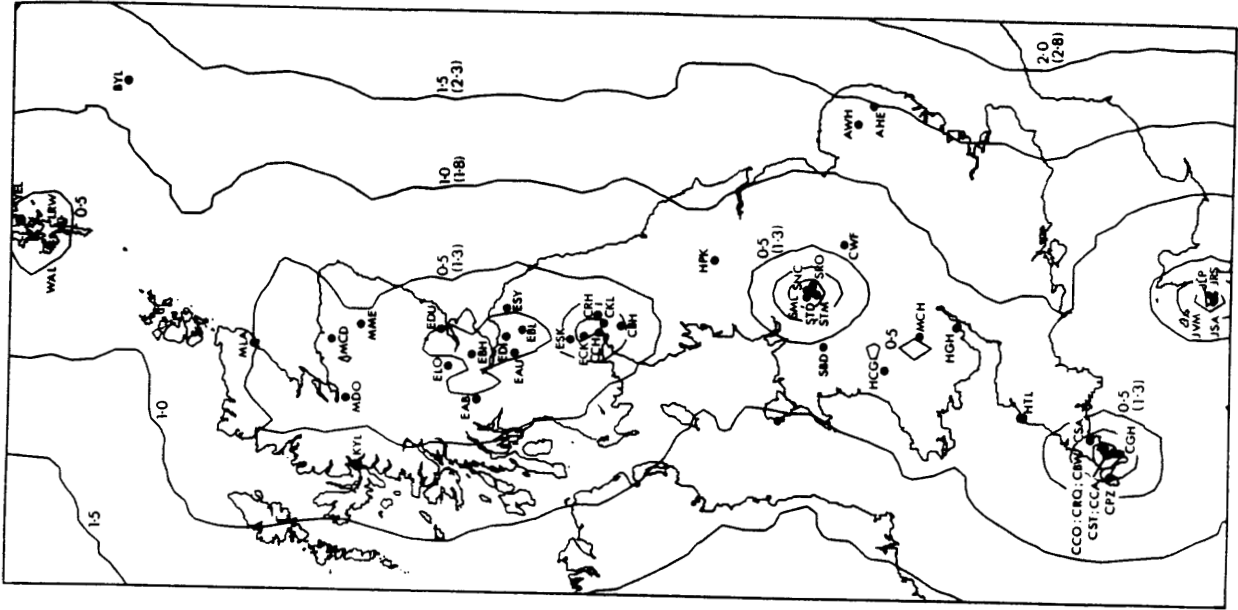


Figure 1 : The seismograph network, 1979, 1980, 1981. The increased detection capabilities for each year are shown by contouring the local magnitudes (ML) of earthquakes below which detection and location is unlikely. The bracketed values of ML apply when there is high background noise.

MAGNITUDE (Symbol Radius)	
.	< 1.0
,	1.0 ≤ AND < 2.0
	2.0 ≤ AND < 3.0
	3.0 ≤ AND < 4.0
	4.0 ≤ AND < 5.0
	5.0 ≤

Key to figures 2, 3, 7

MAGNITUDE (Symbol Radius)	
.	< 1.0
,	1.0 ≤ AND < 2.0
	2.0 ≤ AND < 3.0
	3.0 ≤ AND < 4.0
	4.0 ≤ AND < 5.0
	5.0 ≤

Key to figures 4, 5, 6

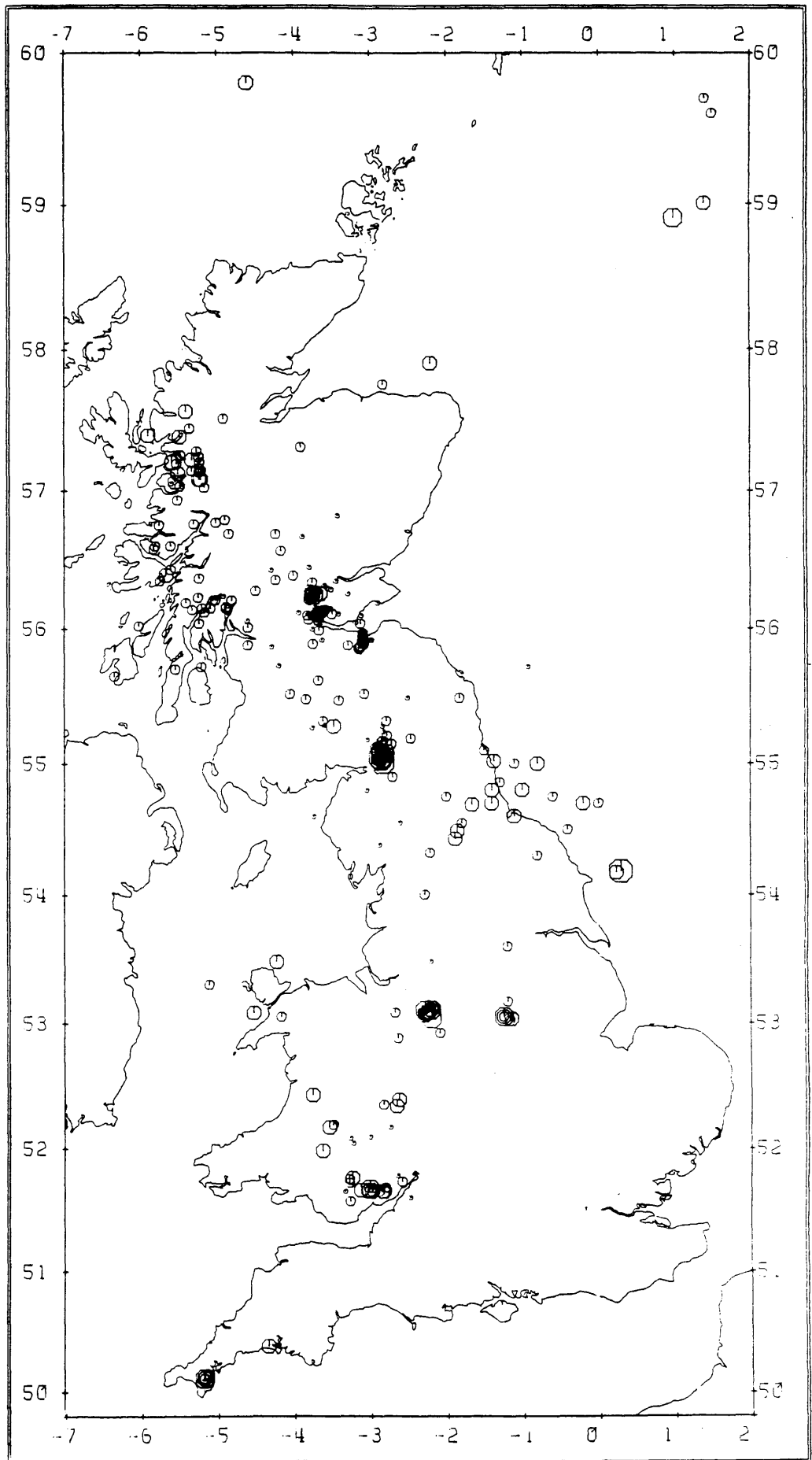


Figure 2 : Epicentres in Britain, 1979, 1980, 1981

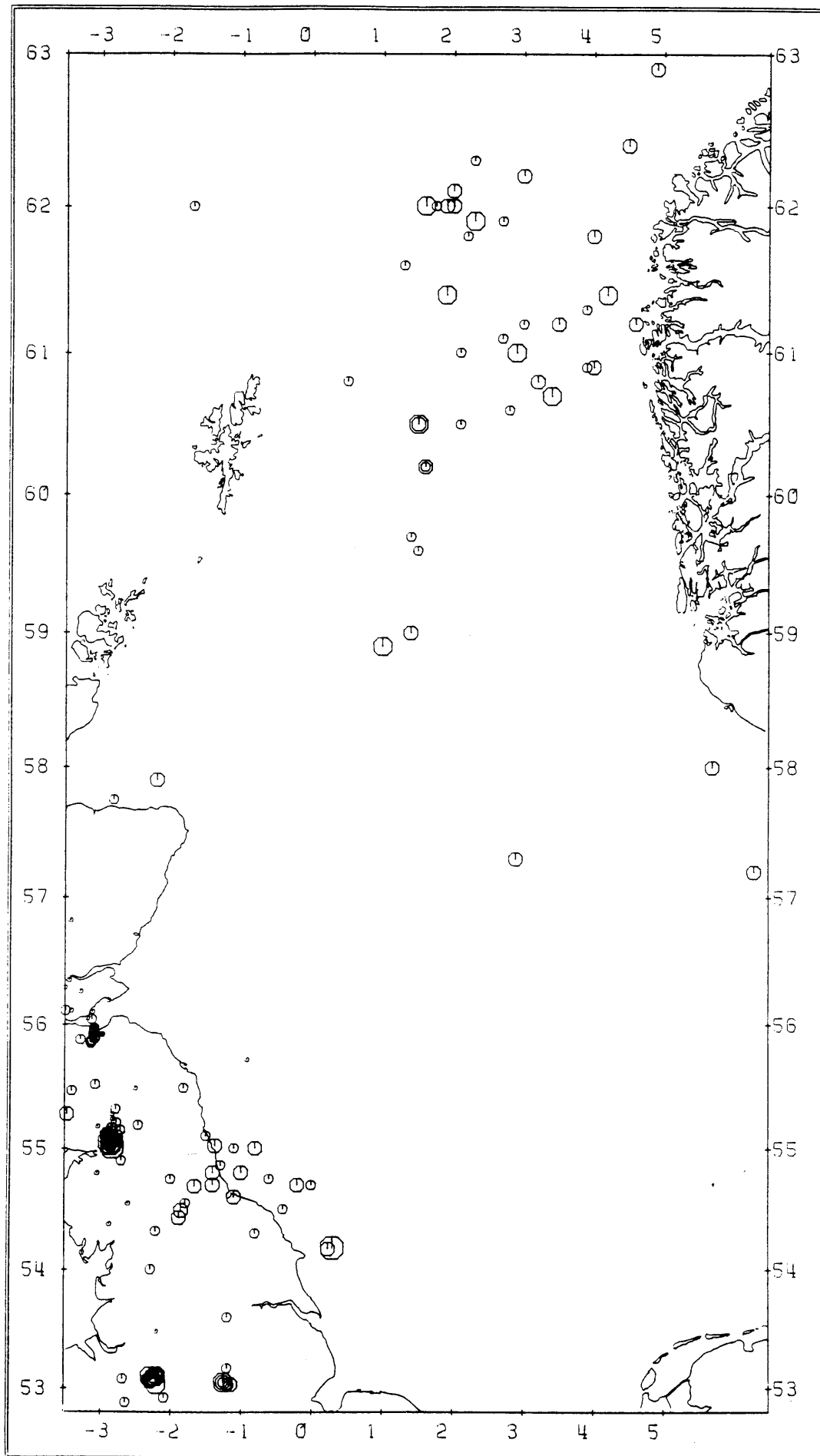


Figure 3 : Epicentres in the North Sea, 1979, 1980, 1981

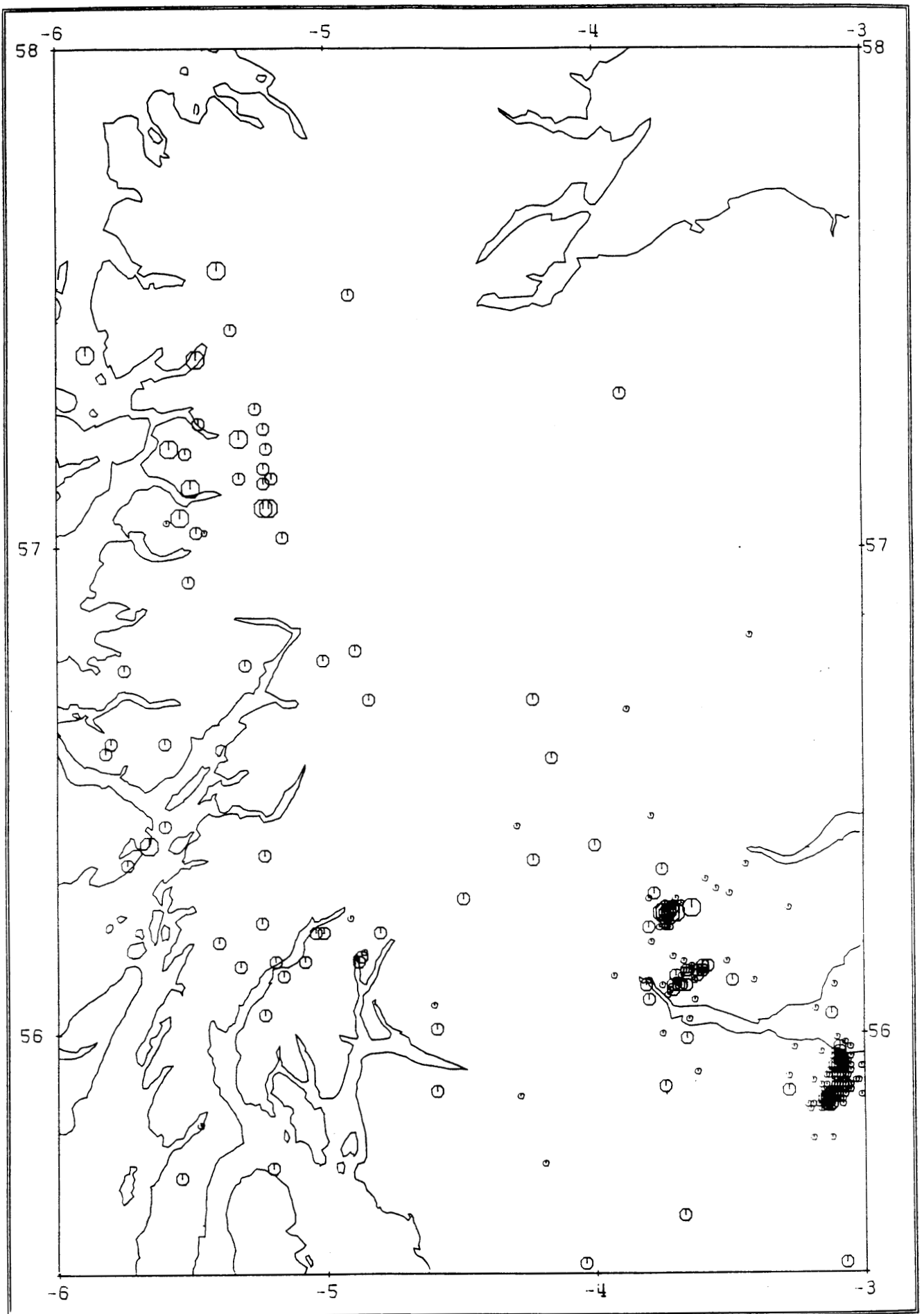


Figure 4 : Epicentres in Scotland, 1979, 1980, 1981

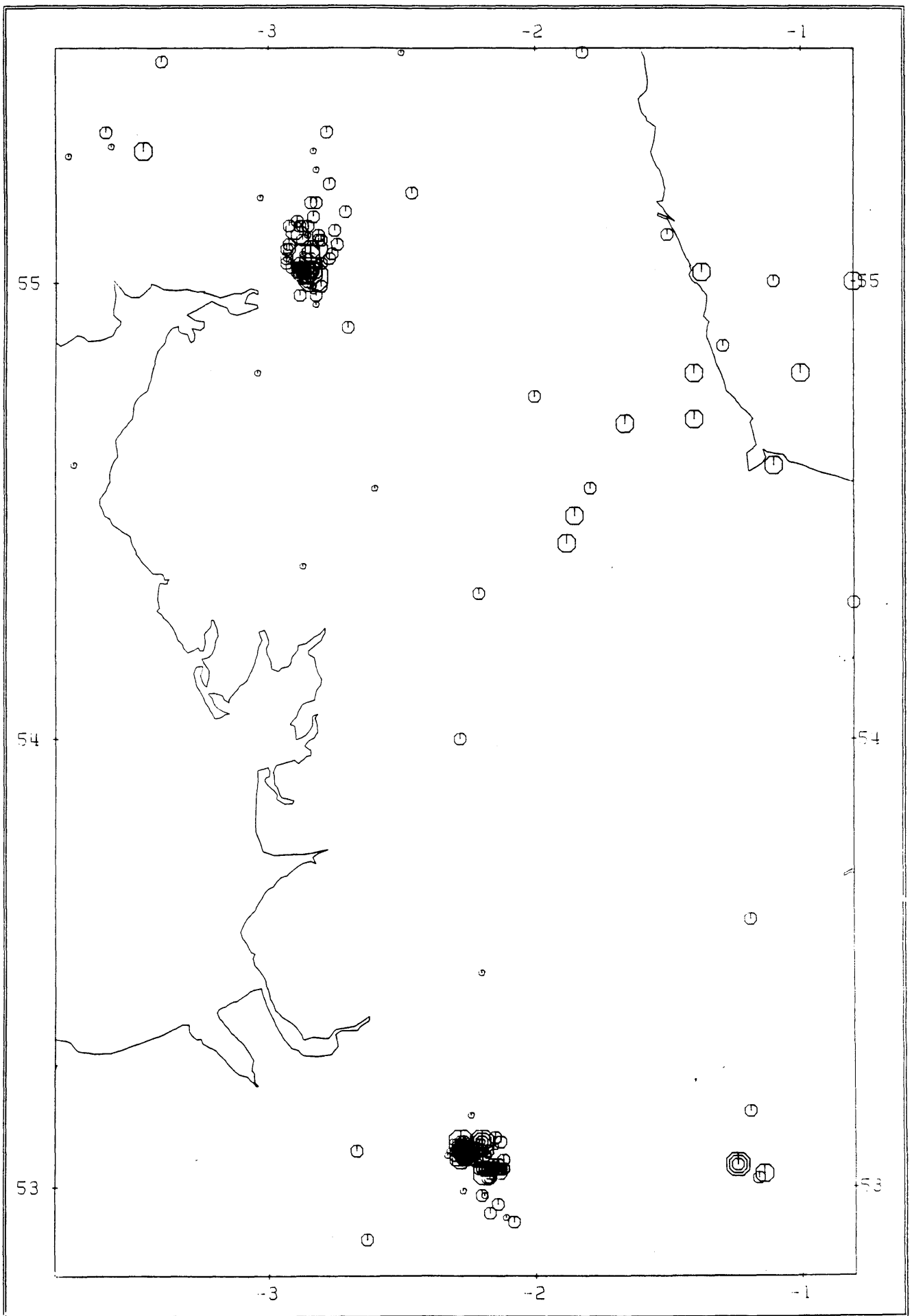


Figure 5 : Epicentres in Northern England, 1979, 1980, 1981

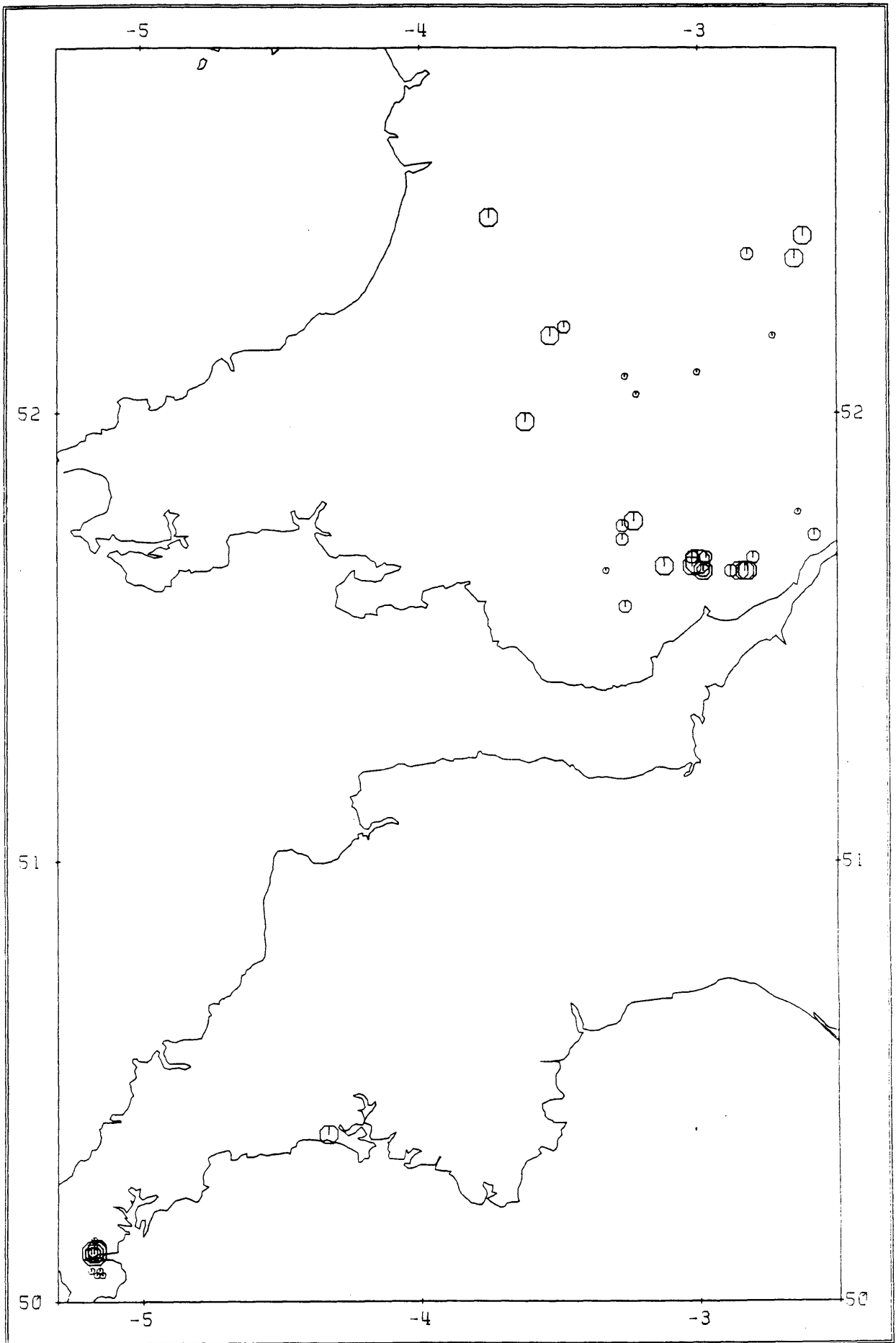


Figure 6 : Epicentres in Wales and South West England, 1979, 1980, 1981

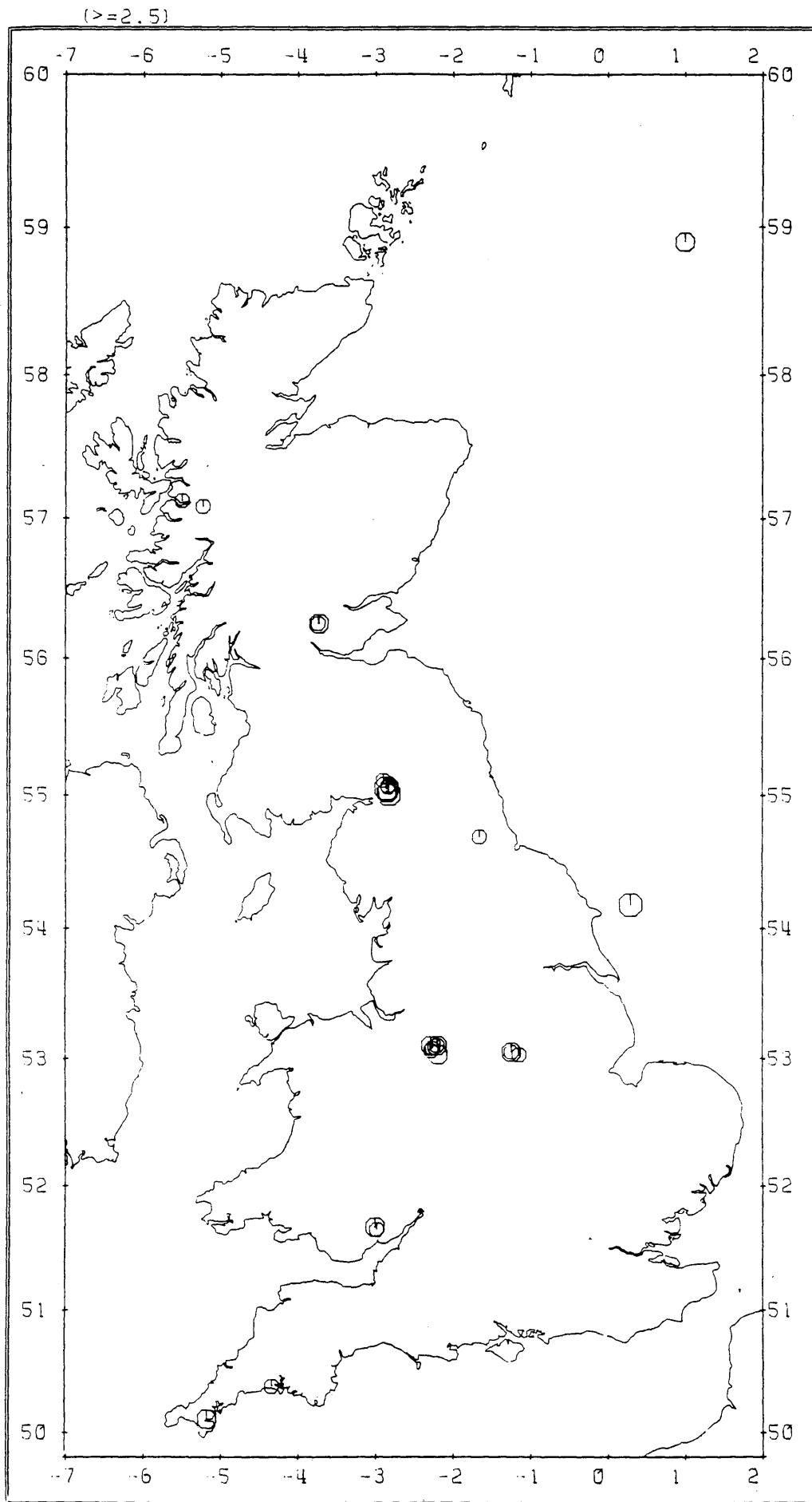


Figure 7 : Epicentres of earthquakes with magnitude 2.5ML or greater in Britain, 1979, 1980, 1981