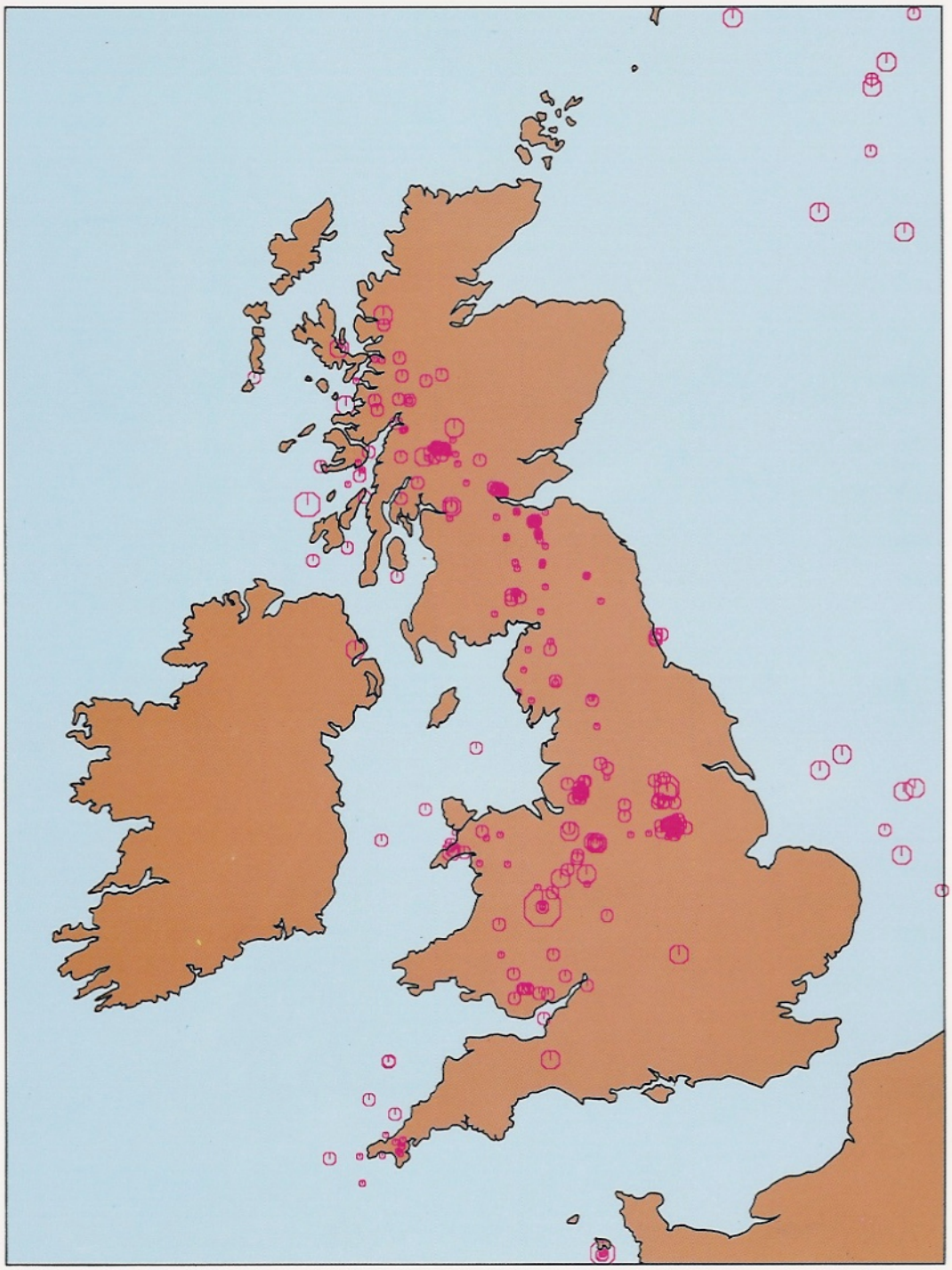
British Geological Survey

BULLETIN OF BRITISH EARTHQUAKES 1990



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Technical Report WL/91/34

Global Seismology Series

Bulletin of British earthquakes 1990

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1. Introduction

1.1 The Bulletin

Seismic phase data, location details and magnitudes are presented for all earthquakes detected and located by BGS during 1990. The land areas of Great Britain and Northern Ireland and their coastal waters are covered within the limits of the detection capabilities of the seismograph network.

The seismicity of the UK since 1969 is illustrated using data extracted from the previous catalogues of Burton and Neilson (1980) and Turbitt (1984 - 1990).

1.2 Summary of 1990 seismicity

The largest earthquake for 6 years (magnitude 5.1 ML) occurred on 2 April near Bishop's Castle in Shropshire. Minor damage occurred in Shrewsbury and Wrexham and the earthquake was felt from Ayrshire to Cornwall and Dublin to Kent. Only 7 aftershocks were detected in contrast to the magnitude 5.4 ML Lleyn event of 1984 which generated several hundred.

A magnitude 3.5 ML earthquake was felt throughout Jersey and on Guernsey on 30 April. The Channel Islands have experienced strong shaking on many occasions in the earlier part of this century.

Offshore the largest earthquake, magnitude 4.4 ML, occurred 60 km north-east of the Magnus oil field on 10 November; no felt reports were received.

Coalfield areas throughout Britain experienced many small earthquakes, often felt. Stoke-on-Trent was the centre of 10 events, 6 being felt and the largest 2.8 ML.

In Carrickfergus, Northern Ireland, a strong seismic signal was recorded on 19 October throughout the recently installed North Irish Sea network. It originated from the collapse of an abandoned salt mine which left a depression 200 metres diameter and 7 metres deep.

A swarm of small earthquakes similar to that in 1986, occurred at Crianlarich, Central Scotland, mainly during April and August. Thirty eight events, including some which were too small to locate accurately, were detected. The largest was 1.7 ML.

A series of small events (up to 0.6 ML) occurred near Constantine in Cornwall during November. Constantine was the scene of a 3.5 ML earthquake in 1981 followed by a large aftershock series and a resurgence of activity in 1986.

Aftershocks of the Lleyn Peninsula earthquake of 1984 continue with 13 during 1990, one being felt.

2. Catalogue Format

2.1 Tables

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

Date - day, month, year

Time - Hours, minutes, seconds of origin time

Lat - Latitude, positive North

Lon - Longitude, positive East

KmE - Grid reference, easting from National Grid origin near the Scilly Isles.

KmN - Grid reference, northing

Dep - Hypocentral depth in km, blank indicates depth unknown. Note that depths for events of quality C, D and possibly B, are unreliable due to the large errors involved.

Mag - Richter local magnitude

Locality - A geographical indication of the epicentral area, usually the nearest town followed by the region.

Int - Maximum felt intensity on the MSK scale (Medvedev et al, 1964), when known. + indicates that an event was reported felt at the intensity given but no survey was initiated to determine the maximum intensity. Comments and felt areas, where appropriate, are included on the next line.

No - Total number of P and S readings used in the event location

DM - Epicentral distance in kilometres to the closest station

Gap - Largest azimuthal separation in degrees between stations

RMS - Root mean square error of arrival time residuals in seconds

ERH - Standard error of the epicentre in kilometres

ERZ - Standard error of the focal depth in kilometres

Q - Solution quality of the hypocentre averaged from QS and QD (below). A, excellent; B, good; C, fair; D, poor.

SQD - S is quality factor ascribed to RMS, D is quality ascribed to number and distribution of stations.

Data on the earthquakes and seismograph stations operated in 1990 are arranged as follows:

TABLE 1 is a chronological listing of all earthquakes in and near the UK for which a reliable epicentral location could be obtained.

TABLE 2 is a listing of the events in Table 1 arranged in order of decreasing latitude to facilitate identification of 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. Also included are felt sonic events and unusual man made events such as aircraft crashes. These events are not in Tables 1 or 2.

TABLE 4 is an alphabetical listing of the geographic coordinates of seismograph stations operated in 1990 by BGS, DIAS, and Leeds University.

TABLE 5 lists the arrival times of phases for the events in Table 1 at each station, together with amplitude information used for magnitude calculation.

TABLE 6 is the crustal seismic velocity model used for event location.

2.2 Figures

FIGURE 1: the detection threshold of the network of seismograph stations in Table 4 for average background noise conditions where the detection criterion is signal received above 4 nanometres at 10 Hz on 3 stations.

FIGURE 2: the variation of epicentral location errors within the UK area for a magnitude 2.0 ML earthquake.

FIGURE 3: the epicentral location map of all the events in 1990 that are listed in Table 1.

FIGURE 4: the locations of earthquakes in the UK of magnitude 2.5 ML and above from 1979 to 1990.

FIGURE 5: the locations of earthquakes in the UK of magnitude 3.5 ML and above from 1969 to 1990.

FIGURE 6: the locations of earthquakes in the North Sea area in 1990.

3. The BGS UK 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 et al (1985) and the response of the system is described by Turbitt and Stewart (1982).

At some locations, on-line paper chart recorders display three channels to permit rapid investigation of reported felt tremors. Microprocessor controlled event-triggered recorders 'detect' earthquakes at selected sites to produce a digital magnetic tape and an on-line paper record. At other stations, low-gain vertical seismometers extend the dynamic range of the system to stronger motions and low frequency microphones are used to aid the discrimination of sonic booms.

The improvements in geographic coverage of the UK with the installation of more seismic networks in the last fifteen years is described in Turbitt (1985).

3.2 Detection Threshold

The detection capabilities of a network depend upon station distribution, instrument sensitivity and background noise levels. For the BGS UK network the lower limit of sensitivity is governed by the background noise level. The contours in Figure 1 illustrate the lower threshold magnitude for an earthquake to exceed 4 nanometres at 10 Hz on at least three seismographs. Noise sources such as wind, waves, traffic and livestock vary considerably with time (about 0.5 to 15 nanometres, typically at 10 Hz) causing the magnitude thresholds to increase or decrease. In conditions of high noise 0.8 ML should be added to the contour values.

The detection contours in Figure 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.

4. Hypocentre Parameters and their Errors

4.1 Epicentre Location

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

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

Figure 2 illustrates the likely variation of epicentral location errors within the UK area for a magnitude 2.0 earthquake, 5 km deep. These errors have been determined by the computer program ERRCON (Musson 1987) assuming P and S arrival time variances of 0.2 and 0.4 seconds respectively at all detecting stations. The rapid increase in epicentral uncertainty to 20 km and above is apparent as the epicentre moves beyond the detecting range of the seismograph network. For convenience in the tables, epicentre grid references and depths have been given to 0.1 km although this accuracy does not apply in all cases.

The general velocity model used is given in Table 6 and was derived from a series of refraction profiles traversing Britain, LISPB (Bamford et al, 1976; Bamford et al, 1978; Assumpcao and 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.

4.2 Depth Determination

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

The best depth determinations have been obtained when a series occurred almost beneath a network. For events at larger distances, depth errors may be up to tens of kilometres. The quality factor of the event as listed in the tables (Q), is an indication of the depth error. As a general guide only A, and possibly B class events have reliable depths.

4.3 Seismicity Distribution

Owing to variability in the earthquake detection threshold, which is governed by ambient noise conditions and the geometry of the observing network (see 3.2 above), the catalogue is biased towards certain localities. In order to present a consistent picture of UK seismic activity, earthquakes with magnitude 2.5 ML or greater, in the period 1979-1990 have been plotted in Figure 4. The data set is considered complete for these magnitudes in all localities. Seismicity for 1969-1990 is shown in Figure 5 with a threshold magnitude of 3.5. This is the period covered by BGS instrumentation which consisted only of the network around Edinburgh (LOWNET) and Eskdalemuir (ESK) in the early years.

4.4 Magnitude

Almost all earthquakes in the catalogue have been assigned a local magnitude (ML) as defined by Richter (1935):

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

where A is the deflection (centre to peak in mm) registered by the earthquake on a Wood-Anderson seismograph and Ao is that for a "standard" magnitude zero earthquake at the same distance. The Ao term is thus a distance correction factor tabulated by Richter to 200, and later 600 km. Although Richter intended his method to be an approximate quantification of earthquake size and his attenuation term, Ao, strictly only applies to California, the formula is still used world-wide today. The ML magnitudes in this catalogue have been calculated according to Richter by converting the output of the BGS instruments to an equivalent Wood-Anderson deflection. Ideally the measurements are made on two horizontal instruments and averaged but, if this was not possible, the mean of the magnitudes

from a number of verticals has been used. Ground motion registered at a seismograph varies with site conditions, direction from the earthquake, and the nature of the ray path. Consequently, it is important to take the mean from a good distribution of stations. The resulting errors on magnitudes quoted in the catalogue will normally be less than 0.4 ML.

4.5 Intensity

Intensity is a measure of the effect of the shaking on people, structures and objects. It decreases with distance from a maximum value (Io) usually found close to the epicentre. The maximum felt intensity is quoted, where known, on the 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 to 3°E and 60°N. The North Sea as a whole is covered in the BGS catalogue for that area (eg Newmark and Turbitt, 1985, Newmark et al, 1986, Marrow et al, 1987, 1988 and Simpson 1989).

5.2 Events included

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

Coalfield events are also included. These are small events occurring near the coal workings and are believed to be caused by the redistribution of stress as the coal is extracted.

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 aircraft are also excluded although when felt they are included in Table 3. The air-borne waves are readily identified by their slow travel time across an array or by their signature on a microphone.

5.4 Completeness

The contours of detection threshold in Figure 1 show that the whole of the UK is covered by the seismograph network for approximately magnitude 1.7, and above, at times of low ambient noise levels. High noise levels may cause this threshold to rise to about 2.5. Normally, however, an earthquake of this size would be felt if not detected in the areas of poorer instrumental coverage. The catalogue can, therefore, be assumed to be complete for all earthquakes of magnitude 2.5 and above.

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CATALOGUE OF EVENTS : 1990

Listed Chronologically

Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
030190	050557.1	53.21	-1.10	460.3	368.0	2.7	1.0	THORESBY,NOTTS	2+	4	29	274	0.09	0.0	0.0	C	A*D	COALFIELD TYPE,FELT THORESBY
030190	213203.8	55.24	-3.45	307.7	594.9	3.5	-0.7	JOHNSTONEBRIDGE,D & G		4	18	314	0.02	0.0	0.0	C	A*D	
050190	102859.5	54.07	-2.21	386.2	463.9	5.7	0.6	SETTLE,N YORKSHIRE		8	26	161	0.11	0.8	1.2	B	A*C	
050190	221232.7	53.43	-2.55	363.5	392.9	0.2	1.4	WARRINGTON,CHESHIRE		12	47	125	0.16	0.8	1.5	C	B*C	COALFIELD TYPE,NORTHEAST OF WARRINGTON
060190	231515.1	55.98	-4.39	250.9	678.3	5.4	2.2	MILNGAVIE,STRATHCLYDE	4+	21	18	130	0.09	0.2	0.6	B	A*C	FELT STRATHBLANE,BEARSDEN & MILNGAVIE
070190	012833.2	53.22	-1.05	463.3	369.8	3.4	1.1	THORESBY,NOTTS	2+	6	32	216	0.11	2.7	5.3	D	C*D	COALFIELD TYPE,FELT THORESBY
080190	044738.1	52.94	-4.21	251.7	340.0	11.7	1.0	CRICCIETH,GWYNEDD		11	15	259	0.09	0.7	1.0	C	A*D	
090190	012112.9	55.98	-4.39	250.8	679.0	3.4	1.2	MILNGAVIE,STRATHCLYDE		10	18	132	0.12	0.5	2.6	C	B*C	AFTERSHOCK
090190	192059.1	56.64	-4.35	255.8	752.3	7.6	2.5	GLEN LYON,TAYSIDE	4+	28	44	119	0.28	0.8	2.1	C	B*C	FELT LOCH RANNOCH & GLEN LYON
100190	073500.1	51.63	-2.95	334.5	192.6	19.2	1.7	CAERLEON,GWENT		6	10	244	0.09	1.9	1.8	C	B*D	
130190	041700.6	53.45	-2.49	367.7	394.9	0.5	1.3	CULCHETH,W MANCHESTER		14	45	93	0.20	0.9	1.5	C	B*C	COALFIELD TYPE
150190	234912.3	53.19	-1.09	461.1	366.4	0.6	1.2	THORESBY,NOTTS	2+	4	42	238	0.01	0.0	0.0	C	A*D	COALFIELD TYPE,FELT THORESBY
160190	060036.6	53.48	-2.48	368.5	397.7	1.0	1.3	CULCHETH,W MANCHESTER		12	42	90	0.19	0.9	1.4	C	B*C	COALFIELD TYPE
180190	000638.6	52.96	-4.38	240.0	343.2	22.0	1.8	LLEYN,GWYNEDD	3+	20	4	86	0.08	0.3	0.6	A	A*A	AFTERSHOCK,FELT PWLLHELI & LLANBERIS
180190	074525.1	53.01	-4.41	238.0	348.3	14.2	1.0	LLEYN,GWYNEDD	2+	19	3	122	0.10	0.3	0.6	B	A*B	FELT LLANBERIS
180190	113442.6	55.98	-4.40	250.4	678.5	2.4	1.0	MILNGAVIE,STRATHCLYDE		12	19	133	0.08	0.3	0.5	B	A*C	AFTERSHOCK
180190	151928.3	56.11	-3.63	298.5	692.6	0.2	1.5	BLAIRHALL,FIFE		11	17	121	0.10	0.4	0.6	B	A*C	COALFIELD TYPE
180190	192003.0	53.43	-2.46	369.2	392.6	1.0	1.2	CULCHETH,W MANCHESTER		8	47	284	0.11	4.0	2.2	D	C*D	COALFIELD TYPE
190190	025356.3	53.21	-1.06	463.0	368.7	3.1	1.2	THORESBY,NOTTS	2+	4	42	244	0.01	0.0	0.0	C	A*D	COALFIELD TYPE,FELT THORESBY
190190	132050.2	55.50	-3.44	309.3	624.2	6.9	0.8	TWEEDSMUIR,BORDERS		12	25	172	0.17	1.7	3.2	C	B*C	
220190	071829.7	55.22	-3.50	304.6	592.6	2.5	1.2	JOHNSTONEBRIDGE,D & G		21	22	83	0.42	0.9	1.4	C	C*C	
220190	074640.0	55.24	-3.41	310.0	594.7	1.1	-0.1	JOHNSTONEBRIDGE,D & G		4	16	308	0.01	0.0	0.0	C	A*D	
230190	231739.4	55.24	-3.40	311.2	594.7	1.2	0.0	JOHNSTONEBRIDGE,D & G		4	15	304	0.09	0.0	0.0	C	A*D	
250190	034820.2	56.42	-4.33	256.3	728.1	2.0	0.7	GLEN OGLE,CENTRAL		7	26	259	0.10	1.4	1.1	C	B*D	
260190	134230.8	56.00	-6.57	115.3	687.8	9.2	3.0	COLONSAY,STRATHCLYDE	4+	18	112	278	0.21	2.0	3.1	C	B*D	FELT ON COLONSAY (4 MSK) & IONA (2 MSK)
260190	200956.9	52.00	-0.98	470.2	233.6	16.3	2.1	BUCKINGHAM,BUCKS		10	54	205	0.19	1.2	2.2	C	B*D	
010290	041230.8	53.19	-1.16	456.4	366.6	4.7	1.0	THORESBY,NOTTS		4	26	266	0.30	0.0	0.0	C	B*D	COALFIELD TYPE
010290	064540.0	49.82	-5.75	130.6	-1.9	5.0	0.8	LANDS END,CORNWALL		7	39	326	0.05	10.7	23.7	D	D*D	SOUTHWEST OF LANDS END
030290	150104.4	53.20	-1.10	460.2	367.8	1.9	1.1	THORESBY,NOTTS		4	29	274	0.06	0.0	0.0	C	A*D	COALFIELD TYPE
040290	030118.6	57.49	-5.41	195.9	849.4	12.1	1.5	TORRIDON,HIGHLAND		13	7	195	0.39	3.2	2.3	D	C*D	
070290	021528.3	55.50	-3.02	335.7	623.5	7.0	0.2	ETTRICKBRIDGE,BORDERS		5	24	241	0.09	2.2	3.7	C	B*D	
080290	015325.2	53.52	-1.16	455.8	402.5	17.9	3.0	DONCASTER,S YORKSHIRE	4	17	26	135	0.27	1.7	1.7	B	B*B	FELT SHEFFIELD,ROTHERHAM, THORNE,BARNSLEY
080290	052352.3	53.03	-2.26	382.3	348.2	1.5	2.0	STOKE-ON-TRENT,STAFFS	2+	17	68	167	0.27	1.4	1.4	C	B*D	FELT STOKE-ON-TRENT AREA
080290	071224.9	53.02	-2.26	382.6	347.6	1.8	1.8	STOKE-ON-TRENT,STAFFS		13	68	168	0.22	1.5	1.3	C	B*D	
080290	151604.4	53.39	-1.04	463.9	388.1	0.3	1.3	RANSKILL,S YORKSHIRE	2+	4	36	261	0.05	0.0	0.0	C	A*D	FELT RANSKILL
100290	032650.1	55.06	-3.75	288.3	575.3	5.9	0.3	DUMFRIES,D & G		4	42	339	0.06	0.0	0.0	C	A*D	
120290	093329.4	53.49	-1.15	456.2	399.8	12.7	2.4	DONCASTER,S YORKSHIRE		17	28	136	0.13	0.6	1.0	B	A*C	AFTERSHOCK
150290	075944.5	55.45	-3.41	310.9	618.7	11.1	0.7	TWEEDSMUIR,BORDERS		14	20	207	0.11	1.1	2.1	C	B*D	
150290	161327.6	54.30	-2.28	382.0	489.0	7.2	1.4	WIDDALE,N YORKSHIRE		15	19	128	0.14	0.5	0.9	B	A*C	
160290	162052.0	56.10	-3.64	297.9	691.5	2.9	1.3	BLAIRHALL,FIFE		12	18	124	0.19	0.7	3.0	C	B*C	COALFIELD TYPE

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Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
160290	183358.2	53.19	-1.12	458.7	366.7	1.0	1.1	THORESBY,NOTTS		4	28	270	0.12	0.0	0.0	C	A*D	COALFIELD TYPE
170290	213118.0	53.20	-1.13	458.0	367.7	0.8	1.0	THORESBY,NOTTS		4	27	270	0.15	0.0	0.0	C	A*D	COALFIELD TYPE
180290	161324.2	55.77	-3.08	332.3	653.7	6.3	-0.3	MOORFOOT HILLS,BORDERS		6	2	203	0.06	2.1	0.7	C	B*D	MAGNITUDE FROM VERTICALS
200290	192149.6	53.20	-1.03	464.5	367.6	1.0	1.1	THORESBY,NOTTS		4	34	279	0.33	0.0	0.0	D	C*D	COALFIELD TYPE
210290	014040.9	57.03	-4.78	231.1	796.5	3.6	1.3	INVERGARRY,HIGHLAND		19	52	95	0.32	0.9	3.6	D	C*D	
220290	183208.0	55.85	-3.11	330.5	662.8	0.7	0.3	ROSEWELL,LOTHIAN		8	9	112	0.06	0.3	0.3	B	A*B	COALFIELD TYPE
230290	211808.5	53.02	-2.22	385.6	345.9	0.3	1.8	STOKE-ON-TRENT,STAFFS		22	25	78	0.26	0.7	1.3	C	B*C	
240290	031516.1	53.18	-1.25	450.1	364.9	0.7	1.0	THORESBY,NOTTS		4	20	250	0.38	0.0	0.0	D	C*D	COALFIELD TYPE
260290	130938.7	53.02	-2.21	385.7	346.8	4.5	2.4	STOKE-ON-TRENT,STAFFS	3+	25	25	75	0.25	0.6	1.5	C	B*C	FELT STOKE-ON-TRENT AREA
010390	235348.3	53.02	-2.22	384.9	346.5	1.5	0.8	STOKE-ON-TRENT,STAFFS		4	26	304	0.00	0.0	0.0	C	A*D	
020390	052032.7	53.19	-1.14	457.2	366.5	2.0	1.0	WARSOP,NOTTS		4	27	267	0.09	0.0	0.0	C	A*D	
030390	164659.9	53.04	-2.18	388.3	349.2	3.9	1.0	STOKE-ON-TRENT,STAFFS		4	23	301	0.10	0.0	0.0	C	A*D	
040390	001847.0	53.02	-2.22	385.5	347.5	4.2	2.8	STOKE-ON-TRENT,STAFFS	5	14	25	153	0.09	0.5	1.1	B	A*C	FELT THROUGHOUT NORTH STAFFORDSHIRE
040390	055943.0	53.02	-2.21	385.9	346.8	5.4	1.8	STOKE-ON-TRENT,STAFFS	2+	24	25	78	0.35	1.1	2.6	C	C*C	FELT STOKE-ON-TRENT AREA
040390	070919.4	53.02	-2.22	385.5	347.2	3.2	2.3	STOKE-ON-TRENT,STAFFS	3+	21	25	74	0.23	0.6	2.1	C	B*C	FELT STOKE-ON-TRENT AREA
040390	075705.3	53.02	-2.22	385.3	346.9	3.9	1.8	STOKE-ON-TRENT,STAFFS	2+	21	25	78	0.18	0.6	1.7	C	B*C	FELT STOKE-ON-TRENT AREA
070390	075337.6	54.47	-2.83	346.4	508.4	8.7	1.4	KENTMERE,CUMBRIA		20	12	84	0.19	0.6	2.4	B	B*B	
080390	051153.0	52.97	-4.40	238.6	344.6	23.4	0.7	LLEYN,GWYNEDD		17	2	81	0.09	0.4	0.6	A	A*A	AFTERSHOCK
080390	073622.3	54.46	-2.83	346.2	507.8	9.3	0.7	KENTMERE,CUMBRIA		12	12	84	0.18	0.8	3.0	B	B*B	AFTERSHOCK
090390	193330.7	52.91	-2.50	366.4	335.1	9.3	1.5	MARKET DRAYTON,SHROPS		19	76	259	0.12	0.8	1.2	C	A*D	
120390	222612.4	53.52	2.58	703.5	12.4	1.4	2.8	SOUTHERN NORTH SEA		11	108	289	0.26	4.6	2.7	D	C*D	
140390	024106.2	51.01	-2.91	335.9	124.4	7.6	2.1	SOMERTON,SOMERSET		7	96	224	0.09	1.4	134.6	D	C*D	
140390	135911.0	56.34	-4.30	258.1	718.8	2.4	0.3	STRATHYRE,CENTRAL		6	17	239	0.19	3.1	1.6	D	C*D	MAGNITUDE FROM VERTICALS
140390	180321.3	55.38	-5.22	195.8	614.7	7.5	1.5	ARRAN,STRATHCLYDE		21	24	131	0.23	0.8	2.9	C	B*C	SOUTH OF ARRAN
150390	172456.8	56.46	-4.53	244.1	732.5	2.8	1.4	CRIANLARICH,CENTRAL		12	32	253	0.37	2.4	3.2	D	C*D	
190390	222109.3	55.71	-3.57	301.5	648.0	0.4	0.4	CARNWATH,STRATHCLYDE		7	16	285	0.07	1.4	1.2	C	B*D	
220390	125321.2	57.06	-7.37	74.2	809.5	1.0	1.3	BARRA,WESTERN ISLES		5	95	329	0.48	69.3	55.5	D	D*D	
220390	221804.6	55.29	-2.98	337.6	600.0	6.1	0.0	LANGHOLM,D & G		4	14	295	0.07	0.0	0.0	C	A*D	15KM NORTH OF LANGHOLM
230390	193942.1	56.13	-3.68	295.3	694.3	0.5	1.0	CLACKMANNAN,CENTRAL		7	17	152	0.08	0.6	1.0	B	A*C	COALFIELD TYPE
240390	025012.7	54.57	-3.31	315.6	519.7	11.4	0.5	LOWESWATER,CUMBRIA		10	14	120	0.18	0.8	2.5	B	B*B	
240390	161158.5	53.49	2.41	692.5	408.3	0.5	2.7	SOUTHERN NORTH SEA		10	97	284	0.18	4.4	4.0	D	C*D	
260390	004647.1	50.06	-6.25	96.2	26.9	5.0	1.0	SCILLY ISLES,CORNWALL		4	74	355	0.09	0.0	0.0	C	A*D	8KM NORTH OF ST MARTINS
270390	140722.3	56.18	-4.17	265.1	700.6	7.5	0.4	DOUNE,CENTRAL		6	10	197	0.09	3.8	6.5	D	C*D	MAGNITUDE FROM VERTICALS
280390	164501.4	55.69	-3.06	333.2	644.4	7.9	-0.2	PEEBLES,BORDERS		8	9	257	0.31	3.1	3.8	D	C*D	
280390	175147.8	52.97	-4.38	240.4	343.6	24.6	0.6	LLEYN,GWYNEDD		19	4	85	0.08	0.3	0.5	A	A*A	AFTERSHOCK
020490	134634.2	52.43	-3.03	329.7	282.4	14.3	5.1	BISHOP'S CASTLE,SHROPS	6	18	14	63	0.12	0.5	0.6	A	A*A	FELT THROUGHOUT ENGLAND & WALES
020490	220414.3	52.44	-3.03	330.0	282.5	17.5	1.0	BISHOP'S CASTLE,SHROPS		6	13	153	0.08	1.4	4.3	C	B*C	AFTERSHOCK
030490	051415.4	56.29	-5.74	168.2	716.8	0.0	0.8	FIRTH OF LORN,S'CLYDE		4	88	344	0.04	0.0	0.0	C	A*D	MAGNITUDE FROM VERTICALS
030490	051842.6	52.44	-3.03	329.8	283.4	15.6	1.5	BISHOP'S CASTLE,SHROPS		7	13	93	0.08	1.0	1.7	B	B*B	AFTERSHOCK
030490	132822.4	59.93	2.59	656.4	1124.9	6.3	1.9	NORTHERN NORTH SEA		8	170	285	0.18	7.1	8.3	D	D*D	
030490	231854.0	53.18	-1.13	458.4	364.9	1.2	1.2	CLIPSTONE,NOTTS		5	28	196	0.13	0.7	2.4	C	B*D	
040490	023914.1	53.13	-2.62	358.6	359.0	9.9	2.0	ALPRAHAM,CHESHIRE		18	50	80	0.13	0.4	0.6	B	A*C	
040490	025634.9	56.49	-4.60	239.6	735.9	2.7	0.8	CRIANLARICH,CENTRAL		9	37	292	0.49	9.4	17.0	D	D*D	
040490	025702.0	56.48	-4.59	240.7	734.5	2.3	1.1	CRIANLARICH,CENTRAL		9	35	291	0.31	12.5	9.0	D	D*D	
040490	030310.5	56.46	-4.55	243.0	733.1	1.0	1.0	CRIANLARICH,CENTRAL		10	33	287	0.47	14.8	10.2	D	D*D	
040490	082123.5	56.43	-4.44	249.7	729.1	1.0	0.9	CRIANLARICH,CENTRAL		6	28	277	0.25	27.4	19.6	D	D*D	
040490	093533.8	56.47	-4.55	243.1	734.1	2.7	1.1	CRIANLARICH,CENTRAL		8	34	287	0.29	9.2	18.4	D	D*D	
040490	094653.7	56.47	-4.59	240.7	734.0	2.7	0.4	CRIANLARICH,CENTRAL		6	35	296	0.30	1.5	2.8	D	C*D	MAGNITUDE FROM VERTICALS

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040490	112316.4	56.48	-4.58	240.9	734.8	3.6	1.0	CRIANLARICH,CENTRAL		6	36	296	0.34	0.1	0.2	D	C*D	
040490	125338.7	56.46	-4.55	242.7	733.1	5.0	1.7	CRIANLARICH,CENTRAL		13	33	255	0.28	1.9	2.0	C	B*D	
050490	202846.7	56.47	-4.59	240.7	734.2	2.1	1.0	CRIANLARICH,CENTRAL		6	35	296	0.36	10.8	7.9	D	D*D	
050490	204059.4	56.49	-4.55	243.0	735.7	1.0	0.5	CRIANLARICH,CENTRAL		9	36	287	0.39	10.6	7.7	D	D*D	
050490	205234.6	56.47	-4.61	239.1	733.9	1.0	1.0	CRIANLARICH,CENTRAL		7	36	293	0.22	17.0	12.7	D	D*D	
060490	002953.8	52.62	-3.10	325.2	303.0	5.3	0.1	MONTGOMERY,SHROPSHIRE		6	19	321	0.05	9.8	74.7	D	D*D	
060490	013908.8	56.46	-4.60	240.1	732.7	2.4	0.7	CRIANLARICH,CENTRAL		7	34	296	0.37	2.4	1.8	D	C*D	
060490	095254.6	56.47	-4.71	233.1	733.8	2.2	0.8	CRIANLARICH,CENTRAL		6	39	306	0.73	39.5	30.0	D	D*D	
100490	044939.0	54.37	-3.39	309.4	498.2	6.3	0.6	RAVENGLASS,CUMBRIA		10	16	92	0.11	0.4	0.6	B	A*C	
130490	202331.3	56.14	-3.67	296.0	695.5	3.4	0.4	CLACKMANNAN,CENTRAL		8	16	124	0.16	1.4	3.9	B	B*B	COALFIELD TYPE
150490	120541.4	52.91	2.38	694.4	343.7	0.0	2.4	SOUTHERN NORTH SEA		10	64	310	0.26	5.5	4.7	D	D*D	
150490	122531.8	55.85	-3.13	329.3	662.7	0.2	0.5	ROSEWELL,LOTHIAN		10	9	119	0.06	0.2	0.2	B	A*B	COALFIELD TYPE
170490	005234.1	52.45	-3.03	330.2	284.3	15.0	0.7	BISHOP'S CASTLE,SHROPS		16	1	62	0.10	0.4	0.4	A	A*A	AFTERSHOCK
180490	004802.4	56.12	-3.69	295.3	693.5	0.2	1.4	CLACKMANNAN,CENTRAL		11	18	125	0.24	0.7	1.2	C	B*C	COALFIELD TYPE
180490	013324.5	52.36	-2.06	395.9	273.5	8.8	1.2	BROMSGROVE,W MIDLANDS		6	66	296	0.05	1.4	0.9	C	B*D	
190490	153506.4	56.11	-3.63	298.8	692.0	0.1	1.0	BLAIRHALL,FIFE		8	17	193	0.18	0.9	0.8	C	B*D	COALFIELD TYPE
200490	002227.0	52.95	-4.40	238.6	342.4	24.8	2.0	LLEYN,GWYNEDD		21	3	105	0.09	0.3	0.8	B	A*B	AFTERSHOCK
230490	054941.8	52.98	-4.40	238.7	344.7	23.5	0.6	LLEYN,GWYNEDD		9	2	113	0.05	0.4	0.5	B	A*B	AFTERSHOCK
270490	030855.6	56.54	-4.37	254.6	741.3	1.5	0.7	GLEN LYON,TAYSIDE		8	39	272	0.28	12.3	8.8	D	D*D	
290490	001819.5	50.49	-5.26	168.5	71.2	0.8	1.6	TREVOSE HEAD,CORNWALL		9	31	270	0.08	0.9	109.6	D	C*D	
290490	055237.1	52.45	-3.03	330.2	284.2	15.7	0.0	BISHOP'S CASTLE,SHROPS		14	1	86	0.09	0.6	0.4	A	A*A	AFTERSHOCK
300490	123035.9	53.10	-3.67	288.0	357.4	17.3	0.0	BETWS-Y-COED,GWYNEDD		13	14	214	0.09	0.6	0.7	C	A*D	
300490	153233.9	55.75	-3.10	331.0	651.0	2.3	-0.2	MOORFOOT HILLS,BORDERS		4	5	245	0.03	0.0	0.0	C	A*D	MAGNITUDE FROM VERTICALS
300490	233557.3	49.13	-2.13	390.5	-86.0	8.1	3.5	ST AUBINS BAY,JERSEY	5	4	8	310	0.02	0.0	0.0	C	A*D	S OF ST. AUBINS BAY, FELT THROUGHOUT JERSEY
300490	233944.4	49.14	-2.13	390.3	-84.2	9.1	-0.3	ST AUBINS BAY,JERSEY		8	6	299	0.11	1.6	1.4	C	B*D	SOUTH OF ST AUBINS BAY
300490	234410.5	49.12	-2.13	390.4	-86.5	7.7	1.1	ST AUBINS BAY,JERSEY		7	8	312	0.03	0.5	0.6	C	A*D	SOUTH OF ST AUBINS BAY
010590	000129.1	49.12	-2.13	390.4	-86.3	8.3	0.0	ST AUBINS BAY,JERSEY		8	8	312	0.06	0.8	0.8	C	A*D	SOUTH OF ST AUBINS BAY
010590	100754.9	49.12	-2.13	390.4	-86.1	8.4	0.2	ST AUBINS BAY,JERSEY		7	8	311	0.05	0.8	0.7	C	A*D	SOUTH OF ST AUBINS BAY
010590	103258.7	49.12	-2.14	390.2	-86.4	7.1	0.1	ST AUBINS BAY,JERSEY		7	8	312	0.03	0.5	0.8	C	A*D	SOUTH OF ST AUBINS BAY
010590	174059.8	49.12	-2.13	390.6	-86.6	8.3	0.9	ST AUBINS BAY,JERSEY		8	8	313	0.05	0.7	0.7	C	A*D	SOUTH OF ST AUBINS BAY
010590	211643.2	49.12	-2.13	390.8	-86.6	8.8	-0.5	ST AUBINS BAY,JERSEY		8	8	314	0.05	0.7	0.7	C	A*D	SOUTH OF ST AUBINS BAY
010590	215100.4	49.12	-2.13	390.4	-86.2	8.4	1.0	ST AUBINS BAY,JERSEY		8	8	311	0.06	0.8	0.8	C	A*D	SOUTH OF ST AUBINS BAY
020590	102007.6	49.12	-2.14	389.8	-86.1	9.8	0.1	ST AUBINS BAY,JERSEY		5	7	323	0.01	0.5	0.7	C	A*D	SOUTH OF ST AUBINS BAY
020590	131932.9	59.37	1.96	625.0	1060.4	1.0	2.0	NORTHERN NORTH SEA		4	188	342	0.09	0.0	0.0	C	A*D	
020590	143117.8	52.65	-2.36	375.4	306.1	4.0	0.9	TELFORD,SHROPSHIRE		6	39	345	0.07	1.9	115.1	D	C*D	
020590	145106.8	59.43	1.96	624.6	1067.1	1.0	1.7	NORTHERN NORTH SEA		4	189	341	0.37	0.0	0.0	D	C*D	
020590	173418.1	52.98	-4.41	238.1	345.0	23.8	0.9	LLEYN,GWYNEDD		17	1	111	0.08	0.4	0.6	B	A*B	AFTERSHOCK
020590	215428.0	53.16	-2.63	358.0	362.3	7.8	1.0	ALPRAHAM,CHESHIRE		12	55	132	0.19	0.6	2.2	C	B*D	
040590	065829.6	49.13	-2.12	390.9	-85.9	8.5	0.5	ST AUBINS BAY,JERSEY		7	8	311	0.04	0.9	0.7	C	A*D	SOUTH OF ST AUBINS BAY
040590	092248.9	49.15	-2.17	387.9	-82.8	12.3	-0.1	ST AUBINS BAY,JERSEY		5	4	285	0.12	4.2	2.4	D	C*D	SOUTH OF ST AUBINS BAY
050590	181624.9	52.45	-3.03	330.1	283.6	16.0	-0.4	BISHOP'S CASTLE,SHROPS		7	6	115	0.03	0.4	0.4	B	A*B	AFTERSHOCK
050590	231352.3	55.74	-3.07	332.6	649.8	6.0	0.9	MOORFOOT HILLS,BORDERS		15	4	241	0.19	1.2	0.5	C	B*D	
060590	043135.4	55.73	-3.09	331.9	648.9	3.8	0.4	MOORFOOT HILLS,BORDERS		10	6	245	0.13	1.0	1.3	C	A*D	
060590	082205.2	55.75	-3.07	332.6	651.7	5.6	-0.5	MOORFOOT HILLS,BORDERS		8	3	235	0.22	2.1	1.0	C	B*D	
060590	131916.8	49.12	-2.14	390.0	-86.6	7.2	-0.8	ST AUBINS BAY,JERSEY		6	8	312	0.03	0.6	1.2	C	A*D	SOUTH OF ST AUBINS BAY
070590	020414.0	55.74	-3.09	331.4	650.0	6.0	-0.6	MOORFOOT HILLS,BORDERS		8	5	241	0.17	1.7	0.9	C	B*D	
090590	001927.9	56.88	-5.19	205.4	781.5	3.5	1.3	FORT WILLIAM,HIGHLAND		13	39	159	0.27	1.2	2.3	C	B*C	
110590	135933.2	56.39	-4.65	236.5	725.5	1.0	1.0	TYNDRUM,CENTRAL		5	30	301	0.10	9.0	6.6	D	D*D	
130590	111943.6	50.29	-5.40	158.0	48.4	2.8	0.1	PORTREATH,CORNWALL		7	16	258	0.04	0.6	19.3	D	C*D	NORTHWEST OF PORTREATH

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140590	203004.1	55.93	-2.98	339.0	671.2	3.3	-0.2	TRANENT,LOTHIAN		5	13	187	0.13	0.5	14.7	D	C*D	
150590	201410.9	53.05	-5.46	167.9	355.9	8.4	1.5	IRISH SEA		28	61	114	0.25	0.9	2.8	C	B*D	
160590	083240.7	52.74	-2.37	375.2	316.5	14.3	2.1	TELFORD,SHROPSHIRE		18	43	118	0.27	1.0	1.2	C	B*C	
170590	231316.9	55.89	-3.72	292.7	667.8	0.7	0.6	ARMADALE,LOTHIAN		8	17	202	0.09	0.8	0.9	C	A*D	
190590	010120.2	55.25	-3.43	309.3	595.8	6.9	0.6	JOHNSTONEBRIDGE,D & G		4	16	310	0.06	0.0	0.0	C	A*D	
190590	140219.6	53.88	-4.03	266.6	444.6	7.6	1.6	IRISH SEA		25	52	78	0.18	0.4	2.7	C	B*D	
190590	225638.8	52.96	-4.39	239.8	342.5	22.4	1.3	LLEYN,GWYNEDD		18	4	88	0.06	0.2	0.6	A	A*A	AFTERSHOCK
200590	100150.0	49.13	-2.12	391.0	-85.4	8.6	0.2	ST AUBINS BAY,JERSEY		8	7	309	0.03	0.4	0.4	C	A*D	SOUTH OF ST AUBINS BAY
210590	233600.7	50.08	-5.79	129.1	26.9	19.2	0.4	LANDS END,CORNWALL		8	17	338	0.06	3.3	1.3	D	C*D	WEST OF LANDS END
210590	063426.3	54.75	-2.91	341.4	540.2	7.3	1.8	BRAITHWAITE,CUMBRIA		25	44	63	0.21	0.5	2.6	C	B*C	
220590	094540.1	53.47	-2.45	370.3	397.4	2.4	1.1	LEIGH,GTR MANCHESTER		12	43	194	0.23	1.6	1.2	C	B*D	COALFIELD TYPE
220590	133201.3	55.20	-3.36	313.4	590.8	5.0	1.9	JOHNSTONEBRIDGE,D & G		22	15	116	0.31	1.6	2.7	C	C*C	
220590	135606.5	56.47	-4.55	243.1	733.9	1.6	1.3	CRIANLARICH,CENTRAL		9	34	287	0.25	10.3	7.5	D	D*D	
220590	140653.6	56.46	-4.52	244.4	732.6	0.5	1.0	CRIANLARICH,CENTRAL		8	32	285	0.28	16.7	12.6	D	D*D	
220590	145622.3	56.48	-4.61	239.5	735.4	3.1	1.2	CRIANLARICH,CENTRAL		9	37	293	0.57	11.0	19.0	D	D*D	
230590	171255.3	57.30	-6.09	153.8	830.9	8.5	2.1	SKYE,HIGHLAND		11	27	314	0.18	2.1	2.7	C	B*D	
270590	140208.0	56.12	-3.73	292.5	693.3	5.5	0.9	CLACKMANNAN,CENTRAL	3+	12	20	130	0.12	0.5	1.0	B	A*C	COALFIELD TYPE,FELT AT CASTLEBRIDGE COLLIERY
280590	025025.4	49.11	-2.13	390.2	-87.4	7.5	-0.2	ST AUBINS BAY,JERSEY		8	9	316	0.08	1.1	1.4	C	B*D	SOUTH OF ST AUBINS BAY
290590	080850.6	52.00	-2.87	340.1	233.8	18.9	1.3	ELLESMERE,SHROPSHIRE		13	27	301	0.06	0.8	1.1	C	A*D	
310590	183758.9	56.83	-5.99	156.8	778.2	4.6	2.2	ARDNAMURCHAN,HIGHLAND		11	120	270	0.12	2.4	4.0	C	B*D	OFFSHORE LOCATION
010690	133346.5	56.47	-4.51	245.6	733.8	0.7	1.5	CRIANLARICH,CENTRAL		6	33	288	0.08	18.4	13.8	D	D*D	
010690	133805.4	56.46	-4.49	246.7	732.8	1.0	1.3	CRIANLARICH,CENTRAL		5	32	286	0.14	23.9	17.4	D	D*D	
010690	192014.8	55.88	-4.42	248.5	667.6	3.6	0.7	RENFREW,STRATHCLYDE		8	8	151	0.14	0.9	2.7	C	B*C	
010690	193339.9	56.13	-3.70	294.5	694.5	5.2	0.5	CLACKMANNAN,CENTRAL	2+	7	18	153	0.08	0.8	1.5	B	A*C	COALFIELD TYPE,FELT AT CASTLEBRIDGE COLLIERY
010690	210504.1	56.13	-3.71	293.5	693.9	2.1	0.5	CLACKMANNAN,CENTRAL		6	19	156	0.05	0.5	0.8	B	A*C	COALFIELD TYPE
020690	235709.1	53.52	-2.45	370.2	403.0	0.2	0.6	LEIGH,GTR MANCHESTER		6	37	324	0.25	1.3	1.2	C	B*D	COALFIELD TYPE
050690	022944.6	53.54	-2.46	369.4	404.9	0.5	0.9	LEIGH,GTR MANCHESTER		13	35	96	0.36	1.1	1.8	C	C*C	COALFIELD TYPE
070690	070924.9	56.12	-3.72	293.3	693.2	0.1	1.3	CLACKMANNAN,CENTRAL	3+	18	19	79	0.13	0.3	0.6	B	A*C	COALFIELD TYPE,FELT AT CASTLEBRIDGE COLLIERY
080690	000511.4	56.13	-3.71	293.4	693.9	2.1	0.7	CLACKMANNAN,CENTRAL		11	19	109	0.09	0.4	0.6	B	A*C	COALFIELD TYPE
080690	005315.6	57.57	-5.42	195.7	858.8	10.8	2.4	GLEN TORRIDON,HIGHLAND	3+	20	11	155	0.38	1.4	2.7	C	C*C	FELT AT KINLOCHEWE
110690	195322.5	56.12	-3.72	293.0	693.1	0.8	1.2	CLACKMANNAN,CENTRAL		12	20	130	0.07	0.2	0.4	B	A*C	COALFIELD TYPE
120690	053207.6	55.94	-3.42	311.3	672.3	5.4	0.4	NEWBRIDGE,LOTHIAN		8	10	159	0.05	0.6	1.2	B	A*C	
140690	040133.2	52.97	-4.41	238.3	344.3	13.8	0.1	LLEYN,GWYNEDD		16	2	114	0.27	0.9	1.2	B	B*B	
140690	043053.5	55.64	-2.98	338.1	638.9	0.7	0.6	WALKERBURN,BORDERS		6	15	271	0.18	5.9	5.4	D	D*D	
150690	153803.2	56.44	-5.64	175.4	733.3	1.0	1.2	FIRTH OF LORN,S'CLYDE		16	85	306	0.47	12.6	9.3	D	D*D	
200690	040140.7	55.86	-3.15	327.8	663.5	7.1	0.1	ROSEWELL,LOTHIAN		7	7	121	0.12	0.9	1.1	B	A*B	COALFIELD TYPE
200690	131732.4	56.11	-3.65	297.4	691.6	0.2	1.3	BLAIRHALL,FIFE		11	18	125	0.22	0.8	1.1	C	B*C	COALFIELD TYPE
210690	014843.6	51.64	-3.08	325.3	194.0	10.0	1.7	CWMBRAN,GWENT		7	19	242	0.11	1.9	2.0	C	B*D	
230690	111541.5	55.48	-3.03	335.2	621.2	4.0	0.2	ETTRICKBRIDGE,BORDERS		8	21	146	0.15	2.4	5.7	C	C*C	
240690	131214.2	50.12	-5.18	172.7	28.9	6.2	-0.3	CONSTANTINE,CORNWALL		7	3	324	0.02	0.4	0.3	C	A*D	
240690	200409.6	53.70	-2.05	397.0	423.0	12.2	1.3	TODMORDEN,W YORKSHIRE		14	38	185	0.28	1.5	2.0	C	B*D	
250690	201426.1	53.50	-2.48	368.3	400.9	0.1	0.9	LEIGH,GTR MANCHESTER		11	39	206	0.21	1.8	1.8	C	B*D	COALFIELD TYPE
260690	030326.5	53.33	-4.80	213.4	385.4	9.6	1.2	IRISH SEA		24	18	98	0.19	0.6	0.8	B	B*B	
270690	132302.3	55.86	-3.14	328.5	663.5	1.5	0.5	ROSEWELL,LOTHIAN		6	8	168	0.03	0.5	0.5	B	A*C	COALFIELD TYPE
290690	032556.5	55.17	-2.15	390.4	585.7	0.6	0.4	BELLINGHAM,N'UMBERLAND		5	34	263	0.09	16.3	9.5	D	D*D	
290690	213632.8	54.88	-1.31	444.3	554.3	2.3	1.5	RYHOPE,TYNE & WEAR		15	91	257	0.17	1.9	1.3	C	B*D	OFFSHORE,COALFIELD TYPE
010790	003923.7	53.49	-2.46	369.3	399.6	0.2	1.0	LEIGH,GTR MANCHESTER	2+	13	40	178	0.06	0.4	0.5	B	A*C	COALFIELD TYPE,FELT LEIGH

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020790	160928.8	57.21	-5.55	185.8	819.1	5.5	0.3	KINTAIL,HIGHLAND		6	8	128	0.09	0.9	1.2	B	A*B	
040790	034204.1	56.12	-3.70	294.2	693.6	7.5	1.2	CLACKMANNAN,CENTRAL		6	18	127	0.07	0.7	2.9	C	B*C	COALFIELD TYPE
040790	034206.9	56.12	-3.72	293.2	693.2	0.9	1.5	CLACKMANNAN,CENTRAL		17	19	81	0.07	0.2	0.3	B	A*C	COALFIELD TYPE
080790	073938.6	55.72	-3.57	301.1	648.5	1.0	0.2	CARNWATH,STRATHCLYDE		4	33	327	0.02	0.0	0.0	C	A*D	
090790	173425.8	56.13	-3.69	294.6	694.1	0.2	0.9	CLACKMANNAN,CENTRAL		10	18	125	0.08	0.3	0.5	B	A*C	COALFIELD TYPE
100790	012615.9	52.70	-2.76	348.6	311.6	8.4	2.2	SHREWSBURY,SHROPSHIRE	4+	26	15	70	0.26	0.7	1.5	B	B*B	FELT SHREWSBURY,TELFORD, CLUN,CLUNBERRY...
100790	121653.8	56.12	-3.72	293.2	693.0	1.2	1.0	CLACKMANNAN,CENTRAL		9	20	130	0.07	0.3	0.6	B	A*C	COALFIELD TYPE
110790	213928.3	56.39	-4.76	229.8	725.2	2.2	0.6	TYNDRUM,CENTRAL		12	34	261	0.29	3.3	2.5	D	C*D	
120790	144057.1	56.87	-5.03	215.6	779.7	9.1	1.1	FORT WILLIAM,HIGHLAND		22	45	120	0.41	1.6	4.0	C	C*C	
130790	143845.2	55.86	-3.14	328.9	663.9	0.2	0.9	ROSEWELL,LOTHIAN		9	7	114	0.08	0.5	0.6	B	A*B	COALFIELD TYPE
170790	121807.0	56.87	-5.03	215.3	780.0	0.2	0.9	FORT WILLIAM,HIGHLAND		13	44	125	0.21	1.1	1.5	C	B*C	
180790	223643.8	56.37	-3.97	278.3	721.9	2.6	1.4	COMRIE,TAYSIDE	2+	25	19	150	0.26	0.6	1.0	C	B*C	FELT COMRIE
190790	140257.9	53.82	1.48	628.7	441.9	4.5	2.3	SOUTHERN NORTH SEA		51	110	345	0.04	3.0	3.4	D	C*D	
190790	153652.6	56.10	-3.65	297.3	691.1	0.1	1.1	BLAIRHALL,FIFE		8	19	158	0.11	0.6	0.9	B	A*C	COALFIELD TYPE
210790	223334.6	56.79	-5.51	185.6	771.4	7.8	1.5	LOCH SHIEL,HIGHLAND		32	24	151	0.19	0.5	1.6	C	B*C	
240790	025657.3	50.99	-5.36	164.3	127.2	5.0	1.7	HARTLAND POINT,DEVON		8	79	341	0.03	50.8	114.2	D	D*D	55 KM W OF HARTLAND POINT
240790	030024.2	51.00	-5.35	165.1	127.7	7.1	1.3	HARTLAND POINT,DEVON		10	79	341	0.04	27.7	62.1	D	D*D	55 KM W OF HARTLAND POINT
270790	021234.3	52.44	-3.03	330.1	283.2	16.1	0.2	BISHOP'S CASTLE,SHROPS		14	0	60	0.08	0.5	0.4	A	A*A	AFTERSHOCK
280790	211233.7	56.06	-5.70	169.4	691.6	2.7	1.0	JURA,STRATHCLYDE		14	65	316	0.36	5.8	10.3	D	D*D	OFFSHORE LOCATION (SOUND OF JURA)
300790	120050.7	56.12	-3.69	294.9	693.0	2.5	1.7	CLACKMANNAN,CENTRAL		16	18	86	0.17	0.4	0.7	C	B*C	COALFIELD TYPE
300790	183650.1	55.85	-3.15	328.3	662.1	1.8	1.0	ROSEWELL,LOTHIAN		9	9	127	0.08	0.4	0.6	B	A*B	COALFIELD TYPE
020890	034629.3	57.03	-5.83	167.5	799.5	3.2	0.2	LOCH NEVIS,HIGHLAND		6	12	198	0.05	0.8	7.9	D	C*D	
030890	050807.5	56.14	-3.76	290.5	696.0	0.2	1.1	CLACKMANNAN,CENTRAL		11	20	119	0.42	1.3	2.4	C	C*C	COALFIELD TYPE
060890	210407.2	55.86	-3.14	328.6	663.6	0.3	0.9	ROSEWELL,LOTHIAN		8	8	169	0.04	0.3	0.3	B	A*C	COALFIELD TYPE
070890	022311.1	53.53	-2.47	368.6	403.5	0.2	1.1	LEIGH,GTR MANCHESTER	2+	11	36	186	0.26	2.1	2.3	C	B*D	COALFIELD TYPE,FELT LEIGH
080890	025716.2	53.12	-4.34	243.6	360.8	14.3	0.8	CAERNARVON,GWYNEDD		15	11	112	0.08	0.3	0.6	B	A*B	
080890	043248.7	56.32	-6.37	129.6	723.4	0.8	1.2	IONA,STRATHCLYDE		13	115	327	0.28	6.3	4.2	D	D*D	OFFSHORE LOCATION (SOUND OF IONA)
080890	093441.1	52.96	-4.41	238.2	343.6	24.0	0.6	LLEYN,GWYNEDD		18	2	116	0.07	0.2	0.6	B	A*B	AFTERSHOCK
080890	125757.9	53.48	-2.42	372.1	398.2	1.3	1.1	LEIGH,GTR MANCHESTER	2+	11	42	195	0.13	0.8	0.8	C	A*D	COALFIELD TYPE,FELT LEIGH
080890	165252.1	56.47	-4.59	240.5	733.9	3.8	1.5	CRIANLARICH,CENTRAL		15	35	257	0.36	2.3	2.4	D	C*D	
080890	214459.6	56.45	-4.55	242.7	732.0	1.4	0.8	CRIANLARICH,CENTRAL		7	32	288	0.22	5.8	4.2	D	D*D	AFTERSHOCK AT 21:47 GMT
080890	214949.9	56.47	-4.60	239.7	734.1	4.1	0.9	CRIANLARICH,CENTRAL		8	36	292	0.36	7.7	12.5	D	D*D	AFTERSHOCKS AT 21:54 AND 22:42 GMT
090890	061556.2	56.48	-4.62	238.6	735.0	3.5	1.6	CRIANLARICH,CENTRAL		14	37	259	0.43	2.8	3.2	D	C*D	AFTERSHOCK AT 06:17 GMT
090890	061904.3	56.47	-4.57	241.5	734.2	2.3	1.4	CRIANLARICH,CENTRAL		8	35	290	0.42	21.5	16.0	D	D*D	
090890	172819.3	56.46	-4.58	241.1	733.1	2.5	1.5	CRIANLARICH,CENTRAL		15	34	256	0.39	2.4	2.9	D	C*D	AFTERSHOCK AT 17:29 GMT
090890	174336.8	56.41	-4.54	243.3	727.3	0.2	1.0	CRIANLARICH,CENTRAL		8	28	287	0.14	12.1	9.1	D	D*D	
100890	222620.6	55.87	-3.12	329.8	664.5	0.7	0.4	LASSWADE,LOTHIAN		5	7	189	0.03	1.0	0.9	C	B*D	COALFIELD TYPE
100890	224547.3	55.87	-3.15	328.0	664.2	2.3	0.2	LASSWADE,LOTHIAN		5	7	166	0.09	1.4	1.7	C	B*D	COALFIELD TYPE
120890	193953.2	55.85	-3.14	328.7	663.1	0.1	0.3	ROSEWELL,LOTHIAN		5	8	185	0.03	3.5	1.0	D	C*D	COALFIELD TYPE
130890	171541.5	53.48	-2.45	369.8	398.7	1.4	0.9	LEIGH,GTR MANCHESTER	2+	9	41	192	0.17	1.4	1.6	C	B*D	COALFIELD TYPE,FELT LEIGH
160890	152337.4	56.46	-4.59	240.6	732.7	3.2	1.6	CRIANLARICH,CENTRAL		15	34	256	0.35	2.1	2.4	D	C*D	AFTERSHOCK AT 15:56 GMT
160890	160830.5	56.44	-4.57	241.8	730.6	5.0	0.7	CRIANLARICH,CENTRAL		6	31	293	0.35	5.5	9.6	D	D*D	MAGNITUDE FROM VERTICALS, A/S 01:18 GMT 17/8/90
170890	161955.5	56.12	-3.72	293.2	693.6	1.5	1.4	CLACKMANNAN,CENTRAL		20	19	81	0.14	0.3	0.5	B	A*C	COALFIELD TYPE
170890	215748.7	56.46	-4.62	238.3	732.8	3.8	1.2	CRIANLARICH,CENTRAL		6	35	299	0.52	6.2	9.4	D	D*D	
170890	220142.7	56.46	-4.59	240.5	732.4	3.0	0.5	CRIANLARICH,CENTRAL		6	34	296	0.40	5.0	8.6	D	C*D	MAGNITUDE FROM VERTICALS

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190890	142641.6	58.23	2.44	660.3	935.8	0.2	2.4	CENTRAL NORTH SEA		10	196	174	0.40	4.9	6.4	D	C*D	
220890	030938.9	55.93	-3.41	311.6	671.3	6.6	0.2	NEWBRIDGE,LOTHIAN		9	10	102	0.08	0.5	0.7	B	A*B	
220890	102252.1	56.12	-3.72	293.4	693.6	0.2	1.6	CLACKMANNAN,CENTRAL		12	19	81	0.12	0.4	0.7	B	A*C	COALFIELD TYPE
230890	061216.2	56.12	-3.72	293.2	693.3	0.8	1.5	CLACKMANNAN,CENTRAL	4+	19	19	80	0.12	0.3	0.5	B	A*C	COALFIELD TYPE,FELT NEAR CLACKMANNAN
250890	001459.7	57.07	-5.14	209.8	802.4	6.3	1.3	GLEN GARRY,HIGHLAND		28	23	78	0.27	0.7	1.2	C	B*C	
250890	075301.0	50.63	-5.65	141.7	87.7	8.7	1.9	ST IVES,CORNWALL		8	53	305	0.11	0.7	14.5	D	C*D	NORTHWEST OF ST IVES
260890	113029.0	55.86	-3.12	330.1	663.3	0.7	0.2	ROSEWELL,LOTHIAN		6	9	183	0.06	7.5	0.4	D	D*D	COALFIELD TYPE
290890	030850.1	50.22	-5.25	168.0	41.2	0.5	0.1	SOUTH CROFTY,CORNWALL		6	5	315	0.06	2.0	14.5	D	C*D	
300890	040549.9	59.56	2.18	636.1	1082.3	19.6	2.7	NORTHERN NORTH SEA		29	178	110	0.73	2.4	4.9	D	D*D	
300890	044631.7	52.88	-2.51	365.9	331.9	8.6	1.0	MARKET DRAYTON,SHROPS		4	47	205	0.03	0.0	0.0	C	A*D	
310890	041049.4	55.93	-3.42	311.3	672.2	5.8	0.4	NEWBRIDGE,LOTHIAN		9	10	159	0.07	0.7	1.4	B	A*C	
020990	202203.8	55.86	-3.13	329.1	663.2	0.2	0.3	ROSEWELL,LOTHIAN		8	8	173	0.02	0.2	0.1	B	A*C	COALFIELD TYPE
030990	215201.1	56.17	-5.96	154.4	704.5	0.1	0.7	COLONSAY,STRATHCLYDE		7	84	250	0.23	4.7	2.9	D	C*D	MAGNITUDE FROM VERTICALS
050990	061029.8	56.40	-4.81	226.7	726.8	2.7	2.0	TYNDRUM,CENTRAL		26	38	136	0.27	0.9	2.5	C	B*C	
080990	233453.4	50.09	-5.45	153.0	26.5	2.2	0.0	PENZANCE,CORNWALL		8	12	235	0.10	1.6	6.6	D	C*D	5KM SOUTHEAST OF PENZANCE
100990	044516.3	55.86	-3.14	328.4	663.3	0.5	0.3	ROSEWELL,LOTHIAN		6	8	166	0.05	0.8	0.9	B	A*C	COALFIELD TYPE
130990	034021.3	56.13	-3.69	295.1	694.4	2.2	0.5	CLACKMANNAN,CENTRAL		11	17	86	0.13	0.4	0.8	B	A*C	COALFIELD TYPE
130990	034127.6	56.13	-3.66	296.8	694.3	0.5	0.3	CLACKMANNAN,CENTRAL		4	16	204	0.22	0.0	0.0	C	B*D	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
130990	040616.8	56.13	-3.67	296.2	694.3	0.5	0.4	CLACKMANNAN,CENTRAL		4	17	202	0.22	0.0	0.0	C	B*D	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
130990	043905.2	56.13	-3.67	296.3	694.3	0.5	0.5	CLACKMANNAN,CENTRAL		6	17	118	0.21	1.7	2.3	C	B*C	COALFIELD TYPE
130990	045706.5	56.14	-3.69	295.0	695.2	0.5	0.3	CLACKMANNAN,CENTRAL		4	17	194	0.28	0.0	0.0	C	B*D	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
130990	124411.3	52.96	-4.37	240.9	343.5	24.4	1.1	LLEYN,GWYNEDD		20	4	86	0.10	0.4	0.8	A	A*A	AFTERSHOCK
140990	033536.2	56.12	-3.70	294.4	693.6	0.8	0.8	CLACKMANNAN,CENTRAL		12	18	85	0.06	0.2	0.4	B	A*C	COALFIELD TYPE
140990	160136.8	55.85	-3.16	327.6	662.9	1.0	1.0	ROSEWELL,LOTHIAN		10	8	125	0.06	0.4	0.4	B	A*B	COALFIELD TYPE
140990	184201.3	50.24	-5.14	176.4	42.2	0.7	-0.2	ST DAY,CORNWALL		7	5	302	0.02	0.1	0.8	C	A*D	EAST OF ST DAY
150990	051101.9	53.62	-2.06	396.3	413.9	4.4	0.9	LITTLEBOROUGH,GTR MAN		12	42	136	0.26	1.1	4.3	C	B*C	
160990	034844.5	56.87	-5.55	183.8	781.1	9.1	1.3	LOCHAILORT,HIGHLAND		22	18	130	0.20	0.8	2.2	B	B*B	
160990	145332.3	55.85	-3.14	328.4	662.1	0.1	0.6	ROSEWELL,LOTHIAN		7	9	127	0.05	0.2	0.2	B	A*B	COALFIELD TYPE
190990	175212.5	50.13	-5.21	170.8	31.0	1.1	-0.2	HELSTON,CORNWALL		7	1	270	0.07	1.3	0.8	C	B*D	NORTHEAST OF HELSTON
250990	131424.0	52.96	-4.38	240.4	342.9	24.7	1.4	LLEYN,GWYNEDD		20	4	87	0.08	0.3	0.8	A	A*A	AFTERSHOCK
250990	131538.0	52.96	-4.37	240.5	342.8	24.2	0.6	LLEYN,GWYNEDD		18	4	87	0.08	0.3	0.6	A	A*A	AFTERSHOCK
270990	035524.5	53.42	-1.27	448.6	392.2	2.8	1.4	ROTHERHAM,S YORKSHIRE		13	26	160	0.41	1.9	3.8	C	C*C	
280990	061344.3	54.85	-1.33	442.9	550.3	0.2	1.3	SEAHAM,DURHAM		10	93	322	0.17	7.0	5.1	D	D*D	COALFIELD TYPE
280990	144729.2	53.18	-1.08	461.4	365.0	2.1	1.4	EDWINSTOWE,NOTTS	2+	5	31	200	0.05	1.2	1.8	C	B*D	COALFIELD TYPE,FELT EDWINSTOWE
290990	232931.7	55.85	-3.15	327.8	662.1	0.4	-0.5	ROSEWELL,LOTHIAN		5	9	153	0.09	0.5	0.7	C	A*D	COALFIELD TYPE
300990	152958.7	55.87	-3.12	330.1	664.3	1.0	-0.1	LASSWADE,LOTHIAN		6	8	190	0.07	1.9	1.7	C	B*D	COALFIELD TYPE
011090	220716.0	58.87	1.94	627.1	1004.7	17.0	1.6	NORTHERN NORTH SEA		42	21	357	0.97	0.0	0.0	D	D*D	
031090	054957.6	54.82	-2.90	342.0	548.2	1.0	0.5	CARLISLE,CUMBRIA		6	42	255	0.04	2.9	1.6	D	C*D	5KM SOUTH OF CARLISLE
031090	111555.7	53.24	-0.99	467.6	372.0	0.2	1.7	WALESBY,NOTTS		8	36	288	0.36	14.1	8.5	D	D*D	COALFIELD TYPE
031090	164739.8	53.07	-3.88	274.0	354.2	11.8	0.7	BETWS-Y-COED,GWYNEDD		20	11	118	0.10	0.3	0.5	B	A*B	
041090	025140.7	54.83	-1.32	443.8	549.1	1.6	1.3	SEAHAM,DURHAM		6	94	327	0.13	54.7	41.7	D	D*D	COALFIELD TYPE
041090	033019.2	52.84	-3.98	266.8	328.2	14.2	0.3	LLANBEDR,GWYNEDD		18	6	105	0.09	0.4	0.5	B	A*B	
041090	043357.8	53.12	-1.24	450.5	358.9	0.1	1.7	MANSFIELD,NOTTS		11	24	220	0.29	1.3	1.4	C	B*D	COALFIELD TYPE
051090	082136.6	49.12	-2.13	390.3	-86.4	8.6	0.2	ST AUBINS BAY,JERSEY		8	8	312	0.05	0.7	0.7	C	A*D	SOUTH OF ST AUBINS BAY
061090	112817.1	53.18	-1.08	461.4	364.9	2.5	1.2	EDWINSTOWE,NOTTS		4	31	271	0.02	0.0	0.0	C	A*D	COALFIELD TYPE

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Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
061090	131747.5	57.30	-6.04	156.5	830.9	4.4	0.7	SKYE,HIGHLAND		12	24	131	0.08	0.4	0.7	B	A*C	
071090	161048.3	55.86	-3.15	328.2	663.1	1.8	0.8	ROSEWELL,LOTHIAN		5	8	163	0.09	0.3	0.5	C	A*D	COALFIELD TYPE
071090	163315.3	53.20	-0.96	469.1	367.2	3.8	1.0	OLLERTON,NOTTS		5	36	216	0.29	4.3	6.7	D	C*D	COALFIELD TYPE
071090	164326.7	53.09	-1.18	455.1	355.2	0.7	0.6	BLIDWORTH,NOTTS		4	30	245	0.17	0.0	0.0	C	B*D	COALFIELD TYPE
081090	060856.9	55.88	-3.11	330.4	665.9	2.7	0.3	LASSWADE,LOTHIAN		6	7	205	0.12	2.2	59.0	D	C*D	COALFIELD TYPE
081090	174734.5	53.39	-1.30	446.6	388.5	1.7	1.3	ILKESTON,DERBYSHIRE		4	21	270	0.10	0.0	0.0	C	A*D	COALFIELD TYPE
091090	154132.3	52.78	-2.65	356.4	320.0	7.3	1.4	SHREWSBURY,SHROPSHIRE		20	33	125	0.19	0.4	2.0	C	B*C	NORTHWEST OF SHREWSBURY
121090	043749.0	56.12	-3.73	292.5	693.1	1.4	0.7	CLACKMANNAN,CENTRAL		13	20	111	0.10	0.3	0.5	B	A*C	COALFIELD TYPE
131090	085808.5	56.05	-5.16	203.4	688.5	3.4	1.3	GLENDARUEL,STRATHCLYDE		19	34	291	0.25	1.9	2.0	C	B*D	
131090	090056.9	56.16	-3.72	293.3	697.2	1.5	0.8	CLACKMANNAN,CENTRAL		8	17	180	0.63	4.3	4.8	D	D*D	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
151090	031029.8	53.57	-2.41	372.6	408.7	11.1	1.7	BOLTON,GTR MANCHESTER		24	32	127	0.17	0.6	1.3	C	B*C	
151090	204719.3	53.58	-2.40	373.9	409.1	8.9	1.5	BOLTON,GTR MANCHESTER		23	32	72	0.20	0.6	2.4	C	B*C	FIRST OF DOUBLE EVENT
151090	204724.9	53.58	-2.39	374.3	409.4	8.4	1.6	BOLTON,GTR MANCHESTER		20	32	92	0.17	0.5	3.4	C	B*C	SECOND OF DOUBLE EVENT
161090	041756.0	53.08	-1.14	457.9	354.2	8.1	0.6	BLIDWORTH,NOTTS		4	32	250	0.09	0.0	0.0	C	A*D	COALFIELD TYPE
161090	231815.3	53.14	2.13	676.3	368.0	9.7	1.8	SOUTHERN NORTH SEA		8	57	318	0.11	2.2	2.7	C	B*D	
171090	103418.1	53.11	-1.43	438.1	357.4	7.6	0.8	MATLOCK,DERBYSHIRE		4	17	191	0.00	0.0	0.0	C	A*D	COALFIELD TYPE,EAST OF MATLOCK
171090	160033.1	53.37	-1.79	414.0	386.3	8.4	1.1	SHEFFIELD,S YORKSHIRE		5	22	302	0.02	0.7	6.0	D	C*D	WEST OF SHEFFIELD
191090	094622.3	51.68	-3.26	312.7	198.4	0.0	1.3	HENGOED,MID GLAMORGAN	2+	11	32	130	0.16	0.7	1.8	C	B*C	FELT HENGOED
191090	105906.2	54.75	-5.85	152.5	546.3	0.0	2.5	CARRICKFERGUS,ANTRIM	2+	13	41	147	0.30	1.1	1.5	C	B*C	SALT MINE SUBSIDENCE,FELT CARRICKFERGUS AREA
191090	144741.1	49.11	-2.14	389.9	-87.3	8.9	1.2	ST AUBINS BAY,JERSEY		7	9	315	0.06	1.1	1.3	C	B*D	SOUTH OF ST AUBINS BAY
211090	062134.3	57.20	-5.44	192.1	817.1	5.9	0.9	KINTAIL,HIGHLAND		7	2	177	0.09	0.9	0.6	B	A*C	
211090	065314.0	55.88	-3.11	330.5	666.0	6.0	0.5	LASSWADE,LOTHIAN		6	7	207	0.05	0.8	1.2	C	A*D	COALFIELD TYPE
221090	172234.8	51.68	-3.26	313.2	199.3	0.4	0.9	BARGOED,GLAMORGAN		8	32	177	0.08	0.5	0.8	B	A*C	COALFIELD TYPE
251090	010406.3	56.68	-5.23	202.5	758.6	7.9	1.8	LOCH LINNHE,HIGHLAND		24	46	144	0.20	0.8	1.8	C	B*C	
251090	012627.4	56.12	-3.72	292.8	693.0	0.5	1.2	CLACKMANNAN,CENTRAL		23	20	80	0.16	0.3	0.6	C	B*C	COALFIELD TYPE
251090	013558.8	56.63	-5.10	210.1	753.1	1.0	0.9	LOCH LINNHE,HIGHLAND		16	68	296	0.35	8.1	5.8	D	D*D	
251090	044633.1	56.62	-5.13	207.9	751.8	1.0	0.8	LOCH LINNHE,HIGHLAND		12	68	308	0.45	11.4	8.0	D	D*D	
251090	142806.5	51.59	-3.46	298.6	188.7	1.8	1.3	BRIDGEND,MID GLAMORGAN		7	46	291	0.22	6.8	5.2	D	D*D	
261090	084740.0	53.10	-1.70	420.2	355.8	0.0	0.7	MATLOCK,DERBYSHIRE	2+	5	13	167	0.13	0.0	0.0	C	A*D	COALFIELD TYPE,FELT AT DINNINGTON COLLIERY
261090	113202.7	56.11	-3.64	298.1	691.5	0.4	0.8	BLAIRHALL,FIFE		7	18	132	0.12	0.6	0.9	B	A*C	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
271090	033652.5	53.17	-1.00	467.1	364.4	1.7	1.5	OLLERTON,NOTTS	2+	8	36	156	0.16	1.1	1.3	C	B*C	COALFIELD TYPE,FELT EDWINSTOWE
291090	065122.5	55.85	-3.19	325.7	662.6	1.5	-0.3	ROSEWELL,LOTHIAN		7	8	134	0.13	1.0	1.7	B	B*B	COALFIELD TYPE
301090	044559.4	52.97	-4.39	239.6	344.2	23.2	0.5	LLEYN,GWYNEDD		15	3	83	0.08	0.3	0.5	A	A*A	AFTERSHOCK
301090	101743.9	55.52	-6.49	116.9	634.1	0.9	1.5	ISLAY,STRATHCLYDE		10	54	266	0.26	4.8	3.3	D	C*D	OFFSHORE LOCATION,10KM SOUTHWEST OF ISLAY
301090	143527.3	55.86	-3.13	329.2	663.5	0.6	1.2	ROSEWELL,LOTHIAN		10	8	115	0.06	0.3	0.3	B	A*B	COALFIELD TYPE
311090	033509.6	56.12	-3.73	292.3	692.6	2.0	0.7	CLACKMANNAN,CENTRAL		6	20	132	0.14	0.8	1.4	B	A*C	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
011190	074611.1	53.59	-1.34	443.9	410.1	1.0	1.8	GRIMETHORPE,S YORKS	2+	11	45	203	0.46	4.8	3.8	D	C*D	FELT GRIMETHORPE,COALF'LD TYPE,MULTIPLE EVENT
021190	104843.2	55.38	-2.37	376.6	609.6	2.7	0.6	CHEVIOT HILLS,BORDERS		6	15	215	0.04	1.8	3.5	C	B*D	AFTERSHOCK @ 10:50 GMT
021190	134542.0	55.38	-2.37	376.7	610.0	3.1	0.9	CHEVIOT HILLS,BORDERS		11	14	139	0.10	0.7	2.3	C	B*C	
021190	184743.0	55.39	-2.36	377.1	610.3	4.3	0.8	CHEVIOT HILLS,BORDERS		12	14	140	0.14	1.0	2.5	C	B*C	AFTERSHOCKS @ 19:16 AND 19:18 GMT

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021190	192756.3	55.38	-2.36	377.0	610.2	3.9	0.2	CHEVIOT HILLS,BORDERS		7	14	140	0.04	0.8	2.3	C	B*C	
021190	193005.4	55.39	-2.36	377.0	610.3	3.9	0.7	CHEVIOT HILLS,BORDERS		7	14	140	0.04	0.8	2.4	C	B*C	
021190	203723.8	55.38	-2.37	376.7	610.1	2.9	0.3	CHEVIOT HILLS,BORDERS		6	14	213	0.04	1.3	2.5	C	B*D	AFTERSHOCKS @ 20:38,20:39 20:40 & 20:42 GMT
021190	231730.9	55.39	-2.35	377.9	611.2	6.8	0.5	CHEVIOT HILLS,BORDERS		7	13	143	0.06	3.0	6.1	C	C*C	AFTERSHOCKS @ 00:05 AND 06:31 GMT ON 3/11/90
031190	020639.0	54.88	-1.23	449.6	553.9	2.4	1.9	SUNDERLAND,TYNE & WEAR		16	63	306	0.40	6.7	4.7	D	D*D	OFFSHORE,COALFIELD TYPE
031190	031138.1	53.15	-0.99	467.4	362.5	0.5	1.7	OLLERTON,NOTTS		15	34	153	0.32	1.1	1.9	C	C*C	COALFIELD TYPE
041190	010552.1	50.11	-5.18	173.0	28.1	6.9	-0.2	CONSTANTINE,CORNWALL		10	3	161	0.03	0.3	0.3	B	A*C	
041190	011936.6	50.11	-5.18	172.8	28.0	6.8	0.0	CONSTANTINE,CORNWALL		15	3	166	0.04	0.3	0.3	B	A*C	
041190	011941.8	50.11	-5.18	172.9	28.0	7.0	0.2	CONSTANTINE,CORNWALL		17	3	162	0.04	0.2	0.2	B	A*C	
041190	013151.5	50.11	-5.18	172.4	28.1	7.2	-0.5	CONSTANTINE,CORNWALL		8	3	172	0.04	0.3	0.5	B	A*C	
041190	013154.4	50.11	-5.18	172.8	28.1	6.8	0.0	CONSTANTINE,CORNWALL		10	3	164	0.05	0.4	0.5	B	A*C	
041190	014407.7	50.11	-5.17	173.3	27.9	6.7	-0.5	CONSTANTINE,CORNWALL		12	4	154	0.02	0.2	0.1	B	A*C	
041190	014500.0	50.11	-5.18	172.6	28.0	7.0	-0.3	CONSTANTINE,CORNWALL		13	3	169	0.03	0.3	0.3	B	A*C	
041190	014654.3	50.11	-5.17	173.3	27.9	6.9	-0.5	CONSTANTINE,CORNWALL		8	4	154	0.02	0.3	0.3	B	A*C	
041190	014743.4	50.11	-5.18	173.0	27.9	6.8	0.2	CONSTANTINE,CORNWALL		17	3	160	0.03	0.2	0.2	B	A*C	
041190	015746.5	50.11	-5.18	172.9	27.9	6.7	-0.3	CONSTANTINE,CORNWALL		15	3	163	0.03	0.2	0.2	B	A*C	
041190	015749.9	50.11	-5.18	172.8	28.0	7.0	0.3	CONSTANTINE,CORNWALL		16	3	166	0.04	0.3	0.2	B	A*C	
041190	021430.4	50.11	-5.18	172.9	28.0	7.1	0.0	CONSTANTINE,CORNWALL		7	3	164	0.04	0.4	0.5	B	A*C	
041190	021428.0	50.11	-5.18	172.9	28.0	6.7	0.1	CONSTANTINE,CORNWALL		15	3	163	0.03	0.2	0.2	B	A*C	
041190	030609.5	50.11	-5.17	173.4	28.0	7.0	-0.1	CONSTANTINE,CORNWALL		9	4	152	0.02	0.2	0.2	B	A*C	
041190	030953.9	50.11	-5.17	173.3	28.0	7.0	-0.3	CONSTANTINE,CORNWALL		8	4	154	0.01	0.1	0.1	B	A*C	
041190	031038.0	50.11	-5.18	172.8	28.1	6.9	0.1	CONSTANTINE,CORNWALL		14	3	166	0.03	0.2	0.2	B	A*C	
041190	060812.8	50.11	-5.18	172.8	28.1	6.9	0.0	CONSTANTINE,CORNWALL		10	3	165	0.05	0.4	0.5	B	A*C	
041190	065412.7	50.11	-5.18	172.9	28.0	6.8	0.0	CONSTANTINE,CORNWALL		15	3	164	0.03	0.2	0.2	B	A*C	
041190	092554.1	50.11	-5.18	172.9	27.9	6.8	0.5	CONSTANTINE,CORNWALL		17	3	165	0.04	0.2	0.2	B	A*C	
041190	092615.5	50.11	-5.18	172.9	27.9	6.9	0.3	CONSTANTINE,CORNWALL		14	3	164	0.03	0.2	0.2	B	A*C	
041190	093130.8	50.11	-5.18	173.0	28.0	6.9	0.6	CONSTANTINE,CORNWALL		17	3	162	0.03	0.2	0.2	B	A*C	
051190	022147.2	50.11	-5.18	172.9	28.0	6.9	0.0	CONSTANTINE,CORNWALL		12	3	162	0.04	0.3	0.3	B	A*C	
051190	023830.5	55.63	-5.97	150.4	644.7	10.0	1.0	ISLAY,STRATHCLYDE		6	80	347	0.10	12.1	222.4	D	D*D	OFFSHORE LOCATION
061190	134309.7	53.27	-1.79	413.7	375.4	16.2	1.8	BUXTON,DERBYSHIRE		6	106	313	0.02	2.3	2.1	C	B*D	
071190	070815.7	52.59	2.98	737.1	310.3	0.8	1.6	SOUTHERN NORTH SEA		5	107	328	0.06	2.8	149.7	D	C*D	
091190	115105.9	56.11	-3.68	295.5	691.8	0.2	1.0	BLAIRHALL,FIFE		6	19	128	0.15	0.3	0.4	B	A*C	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
091190	201324.2	53.13	-3.94	270.3	360.7	9.7	1.2	LLYN COWLYD,GWYNEDD		21	15	110	0.07	0.2	0.5	B	A*B	
101190	033357.3	53.13	-3.94	270.4	360.9	11.1	1.0	LLYN COWLYD,GWYNEDD		21	15	110	0.08	0.3	0.7	B	A*B	
101190	064407.4	62.05	2.19	619.1	1395.1	10.0	4.4	NORTHERN NORTH SEA		25	234	248	0.41	3.6	4.0	D	C*D	
121190	015332.9	53.11	-1.05	463.8	357.1	2.5	0.6	FARNSFIELD,NOTTS		14	35	164	0.36	1.2	1.7	C	C*C	
121190	051130.6	52.83	-3.56	295.0	327.2	14.6	0.0	LAKE VRYNWY,POWYS		11	5	152	0.06	0.4	0.4	B	A*C	
131190	085413.8	56.18	-4.91	219.3	702.1	2.6	1.2	INVERARAY,STRATHCLYDE		17	35	266	0.11	0.7	0.8	C	A*D	
141190	185018.8	52.57	-2.88	340.2	297.6	14.4	1.0	CHURCH STRETTON,SHROPS		19	4	152	0.08	0.3	0.3	B	A*C	
161190	014642.5	56.12	-3.73	292.8	693.6	0.3	0.5	CLACKMANNAN,CENTRAL		6	19	129	0.04	0.3	0.5	B	A*C	COALFIELD TYPE
191190	060951.5	58.39	1.16	584.7	948.9	7.6	2.9	CENTRAL NORTH SEA		24	324	168	0.27	3.5	1.8	D	C*D	
191190	092942.3	51.80	-2.69	352.3	212.0	0.5	1.3	MONMOUTH,GWENT		8	20	182	0.44	0.9	1.2	D	C*D	
201190	140613.4	53.56	-2.65	357.1	407.7	0.6	1.7	WIGAN,W MANCHESTER		8	31	316	0.23	11.3	9.1	D	D*D	COALFIELD TYPE
201190	171415.1	51.68	-3.30	310.1	198.2	0.5	1.4	GELLIGAER,SOUTH WALES	2+	8	34	131	0.13	0.8	3.4	C	B*C	FELT GELLIGAER,HENGOED & YSTRAD MYNACH
201190	224519.2	57.08	-4.54	246.1	802.1	7.2	1.2	FORT AUGUSTUS,HIGHLAND		12	41	200	0.20	1.0	2.6	C	B*D	
211190	122023.4	51.71	-2.36	375.4	201.2	7.7	1.0	STROUD,GLOUCESTERSHIRE		7	32	278	0.36	8.0	10.8	D	D*D	

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Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
221190	012018.6	53.10	-1.05	463.4	356.9	2.8	1.4	FARNSFIELD,NOTTS		10	35	139	0.27	1.2	2.9	C	B*C	
221190	234823.4	59.90	-0.13	504.6	1114.2	6.5	2.4	SHETLAND ISLANDS		18	63	177	0.23	2.6	5.0	D	C*D	EAST OF SHETLAND ISLANDS
231190	040107.4	56.12	-3.72	293.0	693.3	0.0	0.3	CLACKMANNAN,CENTRAL		6	19	158	0.09	0.6	1.0	B	A*C	COALFIELD TYPE
231190	150226.8	53.74	-2.16	389.3	427.3	0.5	1.5	BURNLEY,LANCASHIRE		8	29	239	0.24	5.1	3.3	D	D*D	COALFIELD TYPE
241190	125756.5	56.24	-5.78	165.7	711.3	1.7	1.1	JURA,STRATHCLYDE		10	78	315	0.25	9.4	7.0	D	D*D	10KM NORTH OF JURA
251190	155538.9	54.32	-2.29	381.3	491.8	9.5	0.8	GARSDALE,CUMBRIA		8	20	217	0.16	1.9	7.0	D	C*D	
261190	174516.1	55.85	-3.16	327.4	663.0	0.7	0.9	ROSEWELL,LOTHIAN		8	8	125	0.16	1.2	1.4	B	B*B	COALFIELD TYPE
271190	023827.4	53.16	-0.87	475.8	363.4	2.1	1.4	OLLERTON,NOTTS		5	45	229	0.11	2.5	1.8	D	C*D	COALFIELD TYPE
271190	124850.4	56.13	-3.73	292.4	694.1	0.1	0.6	CLACKMANNAN,CENTRAL		8	19	129	0.13	0.6	1.0	B	A*C	COALFIELD TYPE
271190	124917.8	56.12	-3.72	292.9	693.7	0.9	1.3	CLACKMANNAN,CENTRAL		8	19	129	0.08	0.4	0.6	B	A*C	COALFIELD TYPE
281190	152045.5	55.08	-3.05	333.3	577.0	6.7	0.2	LONGTOWN,CUMBRIA		7	12	156	0.22	2.1	2.7	C	B*C	
291190	012337.6	56.12	-3.71	293.7	693.4	2.1	1.4	CLACKMANNAN,CENTRAL		9	19	128	0.12	0.5	0.8	B	A*C	COALFIELD TYPE
291190	052142.7	56.12	-3.70	294.3	693.3	0.5	1.1	CLACKMANNAN,CENTRAL		10	19	127	0.10	0.4	0.7	B	A*C	COALFIELD TYPE
011290	124852.7	56.35	-5.80	165.6	724.4	8.1	0.7	MULL,STRATHCLYDE		7	86	331	0.08	1.5	121.5	D	C*D	4KM EAST OF LOCHBUIE,MULL
031290	011708.4	51.82	-3.47	298.5	214.4	19.1	1.7	ABERDARE,MID GLAMORGAN		16	32	104	0.20	0.9	4.3	B	B*B	
031290	200257.7	56.12	-3.67	296.4	693.2	1.0	0.4	CLACKMANNAN,CENTRAL		7	17	124	0.30	1.0	1.7	C	C*C	COALFIELD TYPE
051290	012302.2	56.12	-3.70	294.2	693.6	0.6	1.3	CLACKMANNAN,CENTRAL		9	18	127	0.06	0.3	0.5	B	A*C	COALFIELD TYPE
081290	003502.7	51.68	-3.33	307.8	198.9	3.4	1.7	RHONNDA,MID GLAMORGAN		10	37	268	0.18	2.2	4.1	C	B*D	
111290	100550.6	53.61	-1.20	452.8	413.2	2.4	1.5	GRIMETHORPE,S YORKS	2+	6	47	220	0.11	2.2	1.2	C	B*D	COALFIELD TYPE,FELT GRIMETHORPE
131290	215857.7	51.40	-3.01	329.9	167.6	1.0	1.9	BRISTOL CHANNEL		5	88	293	0.16	3.0	2.3	D	C*D	
151290	030905.0	53.40	-1.18	454.7	390.2	0.9	1.2	MALTBY,S YORKSHIRE		19	29	167	0.31	1.2	3.2	C	C*C	COALFIELD TYPE
151290	133847.9	56.40	-5.16	204.9	727.2	3.6	1.5	TAYNUILT,STRATHCLYDE		21	56	286	0.29	2.9	4.6	D	C*D	
161290	203324.4	53.13	-1.03	464.8	359.8	0.5	1.7	BILSTHORPE,NOTTS		15	35	145	0.21	0.8	1.8	C	B*C	COALFIELD TYPE
191290	133846.3	52.00	-3.66	285.7	234.7	0.5	0.9	KNIGHTON,POWYS		8	29	131	0.21	1.1	2.2	C	B*C	
201290	130711.9	57.22	-5.18	208.1	818.4	8.7	1.1	KINTAIL,HIGHLAND		6	122	337	0.28	190.0	442.9	D	D*D	MAGNITUDE FROM VERTICALS
201290	143428.0	53.39	-1.21	452.7	388.9	0.5	1.7	MALTBY,S YORKSHIRE		15	26	249	0.26	2.4	1.9	C	B*D	COALFIELD TYPE
261290	002951.1	56.46	-4.56	242.2	733.2	1.1	0.8	CRIANLARICH,CENTRAL		10	34	281	0.34	2.0	1.5	D	C*D	
261290	040236.9	54.75	-3.24	320.2	540.2	7.3	0.7	ASPATRIA,CUMBRIA		14	47	140	0.36	1.1	4.3	C	C*C	
271290	031648.8	53.68	1.15	608.4	424.9	1.8	2.4	SOUTHERN NORTH SEA		12	88	249	0.71	5.1	3.1	D	D*D	
271290	052115.5	54.30	-3.19	322.6	490.2	1.5	0.8	GRIZEBECK,CUMBRIA		4	12	242	0.02	0.0	0.0	C	A*D	5KM NW OF GRIZEBECK
271290	162134.9	50.18	-5.16	174.7	36.2	3.7	0.5	STITHIANS,CORNWALL		13	1	164	0.02	0.1	0.1	B	A*C	SOUTHEAST OF STITHIANS
281290	034329.1	50.18	-5.15	174.9	36.1	3.6	0.5	STITHIANS,CORNWALL		13	2	170	0.01	0.1	0.1	B	A*C	SOUTHEAST OF STITHIANS
291290	195920.9	52.28	-3.69	284.6	266.2	19.9	1.0	TREGARON,DYFED		8	5	260	0.11	1.3	1.0	C	B*D	
311290	153821.2	55.18	-3.50	304.7	588.8	6.4	1.2	JOHNSTONEBRIDGE,D & G		12	24	128	0.35	3.0	7.0	C	C*C	

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101190	064407.4	62.05	2.19	619.1	1395.1	10.0	4.4	NORTHERN NORTH SEA		25	234	248	0.41	3.6	4.0	D	C*D	
030490	132822.4	59.93	2.59	656.4	1124.9	6.3	1.9	NORTHERN NORTH SEA		8	170	285	0.18	7.1	8.3	D	D*D	
221190	234823.4	59.90	-0.13	504.6	1114.2	6.5	2.4	SHETLAND ISLANDS		18	63	177	0.23	2.6	5.0	D	C*D	EAST OF SHETLAND ISLANDS
300890	040549.9	59.56	2.18	636.1	1082.3	19.6	2.7	NORTHERN NORTH SEA		29	178	110	0.73	2.4	4.9	D	D*D	
020590	145106.8	59.43	1.96	624.6	1067.1	1.0	1.7	NORTHERN NORTH SEA		4	189	341	0.37	0.0	0.0	D	C*D	
020590	131932.9	59.37	1.96	625.0	1060.4	1.0	2.0	NORTHERN NORTH SEA		4	188	342	0.09	0.0	0.0	C	A*D	
011090	220716.0	58.87	1.94	627.1	1004.7	17.0	1.6	NORTHERN NORTH SEA		4	221	357	0.97	0.0	0.0	D	D*D	
191190	060951.5	58.39	1.16	584.7	948.9	7.6	2.9	CENTRAL NORTH SEA		24	324	168	0.27	3.5	1.8	D	C*D	
190890	142641.6	58.23	2.44	660.3	935.8	0.2	2.4	CENTRAL NORTH SEA		10	196	174	0.40	4.9	6.4	D	C*D	
080690	005315.6	57.57	-5.42	195.7	858.8	10.8	2.4	GLEN TORRIDON,HIGHLAND	3+	20	11	155	0.38	1.4	2.7	C	C*C	FELT AT KINLOCHEWE
040290	030118.6	57.49	-5.41	195.9	849.4	12.1	1.5	TORRIDON,HIGHLAND		13	7	195	0.39	3.2	2.3	D	C*D	
230590	171255.3	57.30	-6.09	153.8	830.9	8.5	2.1	SKYE,HIGHLAND		11	27	314	0.18	2.1	2.7	C	B*D	
061090	131747.5	57.30	-6.04	156.5	830.9	4.4	0.7	SKYE,HIGHLAND		12	24	131	0.08	0.4	0.7	B	A*C	
201290	130711.9	57.22	-5.18	208.1	818.4	8.7	1.1	KINTAIL,HIGHLAND		6	122	337	0.28	190.0	442.9	D	D*D	MAGNITUDE FROM VERTICALS
020790	160928.8	57.21	-5.55	185.8	819.1	5.5	0.3	KINTAIL,HIGHLAND		6	8	128	0.09	0.9	1.2	B	A*B	
211090	062134.3	57.20	-5.44	192.1	817.1	5.9	0.9	KINTAIL,HIGHLAND		7	2	177	0.09	0.9	0.6	B	A*C	
201190	224519.2	57.08	-4.54	246.1	802.1	7.2	1.2	FORT AUGUSTUS,HIGHLAND		12	41	200	0.20	1.0	2.6	C	B*D	
250890	001459.7	57.07	-5.14	209.8	802.4	6.3	1.3	GLEN GARRY,HIGHLAND		28	23	78	0.27	0.7	1.2	C	B*C	
220390	125321.2	57.06	-7.37	74.2	809.5	1.0	1.3	BARRA,WESTERN ISLES		5	95	329	0.48	69.3	55.5	D	D*D	
020890	034629.3	57.03	-5.83	167.5	799.5	3.2	0.2	LOCH NEVIS,HIGHLAND		6	12	198	0.05	0.8	7.9	D	C*D	
210290	014040.9	57.03	-4.78	231.1	796.5	3.6	1.3	INVERGARRY,HIGHLAND		19	52	95	0.32	0.9	3.6	D	C*D	
090590	001927.9	56.88	-5.19	205.4	781.5	3.5	1.3	FORT WILLIAM,HIGHLAND		13	39	159	0.27	1.2	2.3	C	B*C	
160990	034844.5	56.87	-5.55	183.8	781.1	9.1	1.3	LOCHAILORT,HIGHLAND		22	18	130	0.20	0.8	2.2	B	B*B	
120790	144057.1	56.87	-5.03	215.6	779.7	9.1	1.1	FORT WILLIAM,HIGHLAND		22	45	120	0.41	1.6	4.0	C	C*C	
170790	121807.0	56.87	-5.03	215.3	780.0	0.2	0.9	FORT WILLIAM,HIGHLAND		13	44	125	0.21	1.1	1.5	C	B*C	
310590	183758.9	56.83	-5.99	156.8	778.2	4.6	2.2	ARDNAMURCHAN,HIGHLAND		11	120	270	0.12	2.4	4.0	C	B*D	OFFSHORE LOCATION
210790	223334.6	56.79	-5.51	185.6	771.4	7.8	1.5	LOCH SHIEL,HIGHLAND		32	24	151	0.19	0.5	1.6	C	B*C	
251090	010406.3	56.68	-5.23	202.5	758.6	7.9	1.8	LOCH LINNHE,HIGHLAND		24	46	144	0.20	0.8	1.8	C	B*C	
090190	192059.1	56.64	-4.35	255.8	752.3	7.6	2.5	GLEN LYON,TAYSIDE	4+	28	44	119	0.28	0.8	2.1	C	B*C	FELT LOCH RANNOCH & GLEN LYON
251090	013558.8	56.63	-5.10	210.1	753.1	1.0	0.9	LOCH LINNHE,HIGHLAND		16	68	296	0.35	8.1	5.8	D	D*D	
251090	044633.1	56.62	-5.13	207.9	751.8	1.0	0.8	LOCH LINNHE,HIGHLAND		12	68	308	0.45	11.4	8.0	D	D*D	
270490	030855.6	56.54	-4.37	254.6	741.3	1.5	0.7	GLEN LYON,TAYSIDE		8	39	272	0.28	12.3	8.8	D	D*D	
040490	025634.9	56.49	-4.60	239.6	735.9	2.7	0.8	CRIANLARICH,CENTRAL		9	37	292	0.49	9.4	17.0	D	D*D	
050490	204059.4	56.49	-4.55	243.0	735.7	1.0	0.5	CRIANLARICH,CENTRAL		9	36	287	0.39	10.6	7.7	D	D*D	
090890	061556.2	56.48	-4.62	238.6	735.0	3.5	1.6	CRIANLARICH,CENTRAL		14	37	259	0.43	2.8	3.2	D	C*D	AFTERSHOCK AT 06:17 GMT
220590	145622.3	56.48	-4.61	239.5	735.4	3.1	1.2	CRIANLARICH,CENTRAL		9	37	293	0.57	11.0	19.0	D	D*D	
040490	025702.0	56.48	-4.59	240.7	734.5	2.3	1.1	CRIANLARICH,CENTRAL		9	35	291	0.31	12.5	9.0	D	D*D	
040490	112316.4	56.48	-4.58	240.9	734.8	3.6	1.0	CRIANLARICH,CENTRAL		6	36	296	0.34	0.1	0.2	D	C*D	
060490	095254.6	56.47	-4.71	233.1	733.8	2.2	0.8	CRIANLARICH,CENTRAL		6	39	306	0.73	39.5	30.0	D	D*D	
050490	205234.6	56.47	-4.61	239.1	733.9	1.0	1.0	CRIANLARICH,CENTRAL		7	36	293	0.22	17.0	12.7	D	D*D	
080890	214949.9	56.47	-4.60	239.7	734.1	4.1	0.9	CRIANLARICH,CENTRAL		8	36	292	0.36	7.7	12.5	D	D*D	AFTERSHOCKS AT 21:54 AND 22:42 GMT
040490	094653.7	56.47	-4.59	240.7	734.0	2.7	0.4	CRIANLARICH,CENTRAL		6	35	296	0.30	1.5	2.8	D	C*D	MAGNITUDE FROM VERTICALS
050490	202846.7	56.47	-4.59	240.7	734.2	2.1	1.0	CRIANLARICH,CENTRAL		6	35	296	0.36	10.8	7.9	D	D*D	
080890	165252.1	56.47	-4.59	240.5	733.9	3.8	1.5	CRIANLARICH,CENTRAL		15	35	257	0.36	2.3	2.4	D	C*D	
090890	061904.3	56.47	-4.57	241.5	734.2	2.3	1.4	CRIANLARICH,CENTRAL		8	35	290	0.42	21.5	16.0	D	D*D	
040490	093533.8	56.47	-4.55	243.1	734.1	2.7	1.1	CRIANLARICH,CENTRAL		8	34	287	0.29	9.2	18.4	D	D*D	
220590	135606.5	56.47	-4.55	243.1	733.9	1.6	1.3	CRIANLARICH,CENTRAL		9	34	287	0.25	10.3	7.5	D	D*D	
010690	133346.5	56.47	-4.51	245.6	733.8	0.7	1.5	CRIANLARICH,CENTRAL		6	33	288	0.08	18.4	13.8	D	D*D	

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Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
170890	215748.7	56.46	-4.62	238.3	732.8	3.8	1.2	CRIANLARICH,CENTRAL		6	35	299	0.52	6.2	9.4	D	D*D	
060490	013908.8	56.46	-4.60	240.1	732.7	2.4	0.7	CRIANLARICH,CENTRAL		7	34	296	0.37	2.4	1.8	D	C*D	
160890	152337.4	56.46	-4.59	240.6	732.7	3.2	1.6	CRIANLARICH,CENTRAL		15	34	256	0.35	2.1	2.4	D	C*D	AFTERSHOCK AT 15:56 GMT
170890	220142.7	56.46	-4.59	240.5	732.4	3.0	0.5	CRIANLARICH,CENTRAL		6	34	296	0.40	5.0	8.6	D	C*D	MAGNITUDE FROM VERTICALS
090890	172819.3	56.46	-4.58	241.1	733.1	2.5	1.5	CRIANLARICH,CENTRAL		15	34	256	0.39	2.4	2.9	D	C*D	AFTERSHOCK AT 17:29 GMT
261290	002951.1	56.46	-4.56	242.2	733.2	1.1	0.8	CRIANLARICH,CENTRAL		10	34	281	0.34	2.0	1.5	D	C*D	
040490	030310.5	56.46	-4.55	243.0	733.1	1.0	1.0	CRIANLARICH,CENTRAL		10	33	287	0.47	14.8	10.2	D	D*D	
040490	125338.7	56.46	-4.55	242.7	733.1	5.0	1.7	CRIANLARICH,CENTRAL		13	33	255	0.28	1.9	2.0	C	B*D	
150390	172456.8	56.46	-4.53	244.1	732.5	2.8	1.4	CRIANLARICH,CENTRAL		12	32	253	0.37	2.4	3.2	D	C*D	
220590	140653.6	56.46	-4.52	244.4	732.6	0.5	1.0	CRIANLARICH,CENTRAL		8	32	285	0.28	16.7	12.6	D	D*D	
010690	133805.4	56.46	-4.49	246.7	732.8	1.0	1.3	CRIANLARICH,CENTRAL		5	32	286	0.14	23.9	17.4	D	D*D	
080890	214459.6	56.45	-4.55	242.7	732.0	1.4	0.8	CRIANLARICH,CENTRAL		7	32	288	0.22	5.8	4.2	D	D*D	AFTERSHOCK AT 21:47 GMT
150690	153803.2	56.44	-5.64	175.4	733.3	1.0	1.2	FIRTH OF LORN,S'CLYDE		16	85	306	0.47	12.6	9.3	D	D*D	
160890	160830.5	56.44	-4.57	241.8	730.6	5.0	0.7	CRIANLARICH,CENTRAL		6	31	293	0.35	5.5	9.6	D	D*D	MAGNITUDE FROM VERTICALS, A/S 01:18 GMT 17/8/90
040490	082123.5	56.43	-4.44	249.7	729.1	1.0	0.9	CRIANLARICH,CENTRAL		6	28	277	0.25	27.4	19.6	D	D*D	
250190	034820.2	56.42	-4.33	256.3	728.1	2.0	0.7	GLEN OGLE,CENTRAL		7	26	259	0.10	1.4	1.1	C	B*D	
090890	174336.8	56.41	-4.54	243.3	727.3	0.2	1.0	CRIANLARICH,CENTRAL		8	28	287	0.14	12.1	9.1	D	D*D	
151290	133847.9	56.40	-5.16	204.9	727.2	3.6	1.5	TAYNUILT,STRATHCLYDE		21	56	286	0.29	2.9	4.6	D	C*D	
050990	061029.8	56.40	-4.81	226.7	726.8	2.7	2.0	TYNDRUM,CENTRAL		26	38	136	0.27	0.9	2.5	C	B*C	
110790	213928.3	56.39	-4.76	229.8	725.2	2.2	0.6	TYNDRUM,CENTRAL		12	34	261	0.29	3.3	2.5	D	C*D	
110590	135933.2	56.39	-4.65	236.5	725.5	1.0	1.0	TYNDRUM,CENTRAL		5	30	301	0.10	9.0	6.6	D	D*D	
180790	223643.8	56.37	-3.97	278.3	721.9	2.6	1.4	COMRIE,TAYSIDE	2+	25	19	150	0.26	0.6	1.0	C	B*C	FELT COMRIE
011290	124852.7	56.35	-5.80	165.6	724.4	8.1	0.7	MULL,STRATHCLYDE		7	86	331	0.08	1.5	121.5	D	C*D	4KM EAST OF LOCHBUIE,MULL
140390	135911.0	56.34	-4.30	258.1	718.8	2.4	0.3	STRATHYRE,CENTRAL		6	17	239	0.19	3.1	1.6	D	C*D	MAGNITUDE FROM VERTICALS
080890	043248.7	56.32	-6.37	129.6	723.4	0.8	1.2	IONA,STRATHCLYDE		13	115	327	0.28	6.3	4.2	D	D*D	OFFSHORE LOCATION (SOUND OF IONA)
030490	051415.4	56.29	-5.74	168.2	716.8	0.0	0.8	FIRTH OF LORN,S'CLYDE		4	88	344	0.04	0.0	0.0	C	A*D	MAGNITUDE FROM VERTICALS
241190	125756.5	56.24	-5.78	165.7	711.3	1.7	1.1	JURA,STRATHCLYDE		10	78	315	0.25	9.4	7.0	D	D*D	10KM NORTH OF JURA
131190	085413.8	56.18	-4.91	219.3	702.1	2.6	1.2	INVERARAY,STRATHCLYDE		17	35	266	0.11	0.7	0.8	C	A*D	
270390	140722.3	56.18	-4.17	265.1	700.6	7.5	0.4	DOUNE,CENTRAL		6	10	197	0.09	3.8	6.5	D	C*D	MAGNITUDE FROM VERTICALS
030990	215201.1	56.17	-5.96	154.4	704.5	0.1	0.7	COLONSAY,STRATHCLYDE		7	84	250	0.23	4.7	2.9	D	C*D	MAGNITUDE FROM VERTICALS
131090	090056.9	56.16	-3.72	293.3	697.2	1.5	0.8	CLACKMANNAN,CENTRAL		8	17	180	0.63	4.3	4.8	D	D*D	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
030890	050807.5	56.14	-3.76	290.5	696.0	0.2	1.1	CLACKMANNAN,CENTRAL		11	20	119	0.42	1.3	2.4	C	C*C	COALFIELD TYPE
130990	045706.5	56.14	-3.69	295.0	695.2	0.5	0.3	CLACKMANNAN,CENTRAL		4	17	194	0.28	0.0	0.0	C	B*D	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
130490	202331.3	56.14	-3.67	296.0	695.5	3.4	0.4	CLACKMANNAN,CENTRAL		8	16	124	0.16	1.4	3.9	B	B*B	COALFIELD TYPE
271190	124850.4	56.13	-3.73	292.4	694.1	0.1	0.6	CLACKMANNAN,CENTRAL		8	19	129	0.13	0.6	1.0	B	A*C	COALFIELD TYPE
010690	210504.1	56.13	-3.71	293.5	693.9	2.1	0.5	CLACKMANNAN,CENTRAL		6	19	156	0.05	0.5	0.8	B	A*C	COALFIELD TYPE
080690	000511.4	56.13	-3.71	293.4	693.9	2.1	0.7	CLACKMANNAN,CENTRAL		11	19	109	0.09	0.4	0.6	B	A*C	COALFIELD TYPE
010690	193339.9	56.13	-3.70	294.5	694.5	5.2	0.5	CLACKMANNAN,CENTRAL	2+	7	18	153	0.08	0.8	1.5	B	A*C	COALFIELD TYPE,FELT AT CASTLEBRIDGE COLLIERY
090790	173425.8	56.13	-3.69	294.6	694.1	0.2	0.9	CLACKMANNAN,CENTRAL		10	18	125	0.08	0.3	0.5	B	A*C	COALFIELD TYPE
130990	034021.3	56.13	-3.69	295.1	694.4	2.2	0.5	CLACKMANNAN,CENTRAL		11	17	86	0.13	0.4	0.8	B	A*C	COALFIELD TYPE
230390	193942.1	56.13	-3.68	295.3	694.3	0.5	1.0	CLACKMANNAN,CENTRAL		7	17	152	0.08	0.6	1.0	B	A*C	COALFIELD TYPE
130990	040616.8	56.13	-3.67	296.2	694.3	0.5	0.4	CLACKMANNAN,CENTRAL		4	17	202	0.22	0.0	0.0	C	B*D	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
130990	043905.2	56.13	-3.67	296.3	694.3	0.5	0.5	CLACKMANNAN,CENTRAL		6	17	118	0.21	1.7	2.3	C	B*C	COALFIELD TYPE
130990	034127.6	56.13	-3.66	296.8	694.3	0.5	0.3	CLACKMANNAN,CENTRAL		4	16	204	0.22	0.0	0.0	C	B*D	COALFIELD TYPE,MAGNITUDE

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Listed in order of decreasing latitude

Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
																		FROM VERTICALS
270590	140208.0	56.12	-3.73	292.5	693.3	5.5	0.9	CLACKMANNAN,CENTRAL	3+	12	20	130	0.12	0.5	1.0	B	A*C	COALFIELD TYPE,FELT AT CASTLEBRIDGE COLLIERY
121090	043749.0	56.12	-3.73	292.5	693.1	1.4	0.7	CLACKMANNAN,CENTRAL		13	20	111	0.10	0.3	0.5	B	A*C	COALFIELD TYPE
311090	033509.6	56.12	-3.73	292.3	692.6	2.0	0.7	CLACKMANNAN,CENTRAL		6	20	132	0.14	0.8	1.4	B	A*C	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
161190	014642.5	56.12	-3.73	292.8	693.6	0.3	0.5	CLACKMANNAN,CENTRAL		6	19	129	0.04	0.3	0.5	B	A*C	COALFIELD TYPE
070690	070924.9	56.12	-3.72	293.3	693.2	0.1	1.3	CLACKMANNAN,CENTRAL	3+	18	19	79	0.13	0.3	0.6	B	A*C	COALFIELD TYPE,FELT AT CASTLEBRIDGE COLLIERY
110690	195322.5	56.12	-3.72	293.0	693.1	0.8	1.2	CLACKMANNAN,CENTRAL		12	20	130	0.07	0.2	0.4	B	A*C	COALFIELD TYPE
040790	034206.9	56.12	-3.72	293.2	693.2	0.9	1.5	CLACKMANNAN,CENTRAL		17	19	81	0.07	0.2	0.3	B	A*C	COALFIELD TYPE
100790	121653.8	56.12	-3.72	293.2	693.0	1.2	1.0	CLACKMANNAN,CENTRAL		9	20	130	0.07	0.3	0.6	B	A*C	COALFIELD TYPE
170890	161955.5	56.12	-3.72	293.2	693.6	1.5	1.4	CLACKMANNAN,CENTRAL		20	19	81	0.14	0.3	0.5	B	A*C	COALFIELD TYPE
220890	102252.1	56.12	-3.72	293.4	693.6	0.2	1.6	CLACKMANNAN,CENTRAL		12	19	81	0.12	0.4	0.7	B	A*C	COALFIELD TYPE
230890	061216.2	56.12	-3.72	293.2	693.3	0.8	1.5	CLACKMANNAN,CENTRAL	4+	19	19	80	0.12	0.3	0.5	B	A*C	COALFIELD TYPE,FELT NEAR CLACKMANNAN
251090	012627.4	56.12	-3.72	292.8	693.0	0.5	1.2	CLACKMANNAN,CENTRAL		23	20	80	0.16	0.3	0.6	C	B*C	COALFIELD TYPE
231190	040107.4	56.12	-3.72	293.0	693.3	0.0	0.3	CLACKMANNAN,CENTRAL		6	19	158	0.09	0.6	1.0	B	A*C	COALFIELD TYPE
271190	124917.8	56.12	-3.72	292.9	693.7	0.9	1.3	CLACKMANNAN,CENTRAL		8	19	129	0.08	0.4	0.6	B	A*C	COALFIELD TYPE
291190	012337.6	56.12	-3.71	293.7	693.4	2.1	1.4	CLACKMANNAN,CENTRAL		9	19	128	0.12	0.5	0.8	B	A*C	COALFIELD TYPE
040790	034204.1	56.12	-3.70	294.2	693.6	7.5	1.2	CLACKMANNAN,CENTRAL		6	18	127	0.07	0.7	2.9	C	B*C	COALFIELD TYPE
140990	033536.2	56.12	-3.70	294.4	693.6	0.8	0.8	CLACKMANNAN,CENTRAL		12	18	85	0.06	0.2	0.4	B	A*C	COALFIELD TYPE
291190	052142.7	56.12	-3.70	294.3	693.3	0.5	1.1	CLACKMANNAN,CENTRAL		10	19	127	0.10	0.4	0.7	B	A*C	COALFIELD TYPE
051290	012302.2	56.12	-3.70	294.2	693.6	0.6	1.3	CLACKMANNAN,CENTRAL		9	18	127	0.06	0.3	0.5	B	A*C	COALFIELD TYPE
180490	004802.4	56.12	-3.69	295.3	693.5	0.2	1.4	CLACKMANNAN,CENTRAL		11	18	125	0.24	0.7	1.2	C	B*C	COALFIELD TYPE
300790	120050.7	56.12	-3.69	294.9	693.0	2.5	1.7	CLACKMANNAN,CENTRAL		16	18	86	0.17	0.4	0.7	C	B*C	COALFIELD TYPE
031290	200257.7	56.12	-3.67	296.4	693.2	1.0	0.4	CLACKMANNAN,CENTRAL		7	17	124	0.30	1.0	1.7	C	C*C	COALFIELD TYPE
091190	115105.9	56.11	-3.68	295.5	691.8	0.2	1.0	BLAIRHALL,FIFE		6	19	128	0.15	0.3	0.4	B	A*C	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
200690	131732.4	56.11	-3.65	297.4	691.6	0.2	1.3	BLAIRHALL,FIFE		11	18	125	0.22	0.8	1.1	C	B*C	COALFIELD TYPE
261090	113202.7	56.11	-3.64	298.1	691.5	0.4	0.8	BLAIRHALL,FIFE		7	18	132	0.12	0.6	0.9	B	A*C	COALFIELD TYPE,MAGNITUDE FROM VERTICALS
180190	151928.3	56.11	-3.63	298.5	692.6	0.2	1.5	BLAIRHALL,FIFE		11	17	121	0.10	0.4	0.6	B	A*C	COALFIELD TYPE
190490	153506.4	56.11	-3.63	298.8	692.0	0.1	1.0	BLAIRHALL,FIFE		8	17	193	0.18	0.9	0.8	C	B*D	COALFIELD TYPE
190790	153652.6	56.10	-3.65	297.3	691.1	0.1	1.1	BLAIRHALL,FIFE		8	19	158	0.11	0.6	0.9	B	A*C	COALFIELD TYPE
160290	162052.0	56.10	-3.64	297.9	691.5	2.9	1.3	BLAIRHALL,FIFE		12	18	124	0.19	0.7	3.0	C	B*C	COALFIELD TYPE
280790	211233.7	56.06	-5.70	169.4	691.6	2.7	1.0	JURA,STRATHCLYDE		14	65	316	0.36	5.8	10.3	D	D*D	OFFSHORE LOCATION (SOUND OF JURA)
131090	085808.5	56.05	-5.16	203.4	688.5	3.4	1.3	GLENDARUEL,STRATHCLYDE		19	34	291	0.25	1.9	2.0	C	B*D	
260190	134230.8	56.00	-6.57	115.3	687.8	9.2	3.0	COLONSAY,STRATHCLYDE	4+	18	112	278	0.21	2.0	3.1	C	B*D	FELT ON COLONSAY (4 MSK) & IONA (2 MSK)
180190	113442.6	55.98	-4.40	250.4	678.5	2.4	1.0	MILNGAVIE,STRATHCLYDE		12	19	133	0.08	0.3	0.5	B	A*C	AFTERSHOCK
060190	231515.1	55.98	-4.39	250.9	678.3	5.4	2.2	MILNGAVIE,STRATHCLYDE	4+	21	18	130	0.09	0.2	0.6	B	A*C	FELT STRATHBLANE,BEARSDEN & MILNGAVIE
090190	012112.9	55.98	-4.39	250.8	679.0	3.4	1.2	MILNGAVIE,STRATHCLYDE		10	18	132	0.12	0.5	2.6	C	B*C	AFTERSHOCK
120690	053207.6	55.94	-3.42	311.3	672.3	5.4	0.4	NEWBRIDGE,LOTHIAN		8	10	159	0.05	0.6	1.2	B	A*C	
310890	041049.4	55.93	-3.42	311.3	672.2	5.8	0.4	NEWBRIDGE,LOTHIAN		9	10	159	0.07	0.7	1.4	B	A*C	
220890	030938.9	55.93	-3.41	311.6	671.3	6.6	0.2	NEWBRIDGE,LOTHIAN		9	10	102	0.08	0.5	0.7	B	A*B	
140590	203004.1	55.93	-2.98	339.0	671.2	3.3	-0.2	TRANENT,LOTHIAN		5	13	187	0.13	0.5	14.7	D	C*D	
170590	231316.9	55.89	-3.72	292.7	667.8	0.7	0.6	ARMADALE,LOTHIAN		8	17	202	0.09	0.8	0.9	C	A*D	

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010690	192014.8	55.88	-4.42	248.5	667.6	3.6	0.7	RENFREW,STRATHCLYDE		8	8	151	0.14	0.9	2.7	C	B*C	
081090	060856.9	55.88	-3.11	330.4	665.9	2.7	0.3	LASSWADE,LOTHIAN		6	7	205	0.12	2.2	59.0	D	C*D	COALFIELD TYPE
211090	065314.0	55.88	-3.11	330.5	666.0	6.0	0.5	LASSWADE,LOTHIAN		6	7	207	0.05	0.8	1.2	C	A*D	COALFIELD TYPE
100890	224547.3	55.87	-3.15	328.0	664.2	2.3	0.2	LASSWADE,LOTHIAN		5	7	166	0.09	1.4	1.7	C	B*D	COALFIELD TYPE
100890	222620.6	55.87	-3.12	329.8	664.5	0.7	0.4	LASSWADE,LOTHIAN		5	7	189	0.03	1.0	0.9	C	B*D	COALFIELD TYPE
300990	152958.7	55.87	-3.12	330.1	664.3	1.0	-0.1	LASSWADE,LOTHIAN		6	8	190	0.07	1.9	1.7	C	B*D	COALFIELD TYPE
200690	040140.7	55.86	-3.15	327.8	663.5	7.1	0.1	ROSEWELL,LOTHIAN		7	7	121	0.12	0.9	1.1	B	A*B	COALFIELD TYPE
071090	161048.3	55.86	-3.15	328.2	663.1	1.8	0.8	ROSEWELL,LOTHIAN		5	8	163	0.09	0.3	0.5	C	A*D	COALFIELD TYPE
270690	132302.3	55.86	-3.14	328.5	663.5	1.5	0.5	ROSEWELL,LOTHIAN		6	8	168	0.03	0.5	0.5	B	A*C	COALFIELD TYPE
130790	143845.2	55.86	-3.14	328.9	663.9	0.2	0.9	ROSEWELL,LOTHIAN		9	7	114	0.08	0.5	0.6	B	A*B	COALFIELD TYPE
060890	210407.2	55.86	-3.14	328.6	663.6	0.3	0.9	ROSEWELL,LOTHIAN		8	8	169	0.04	0.3	0.3	B	A*C	COALFIELD TYPE
100990	044516.3	55.86	-3.14	328.4	663.3	0.5	0.3	ROSEWELL,LOTHIAN		6	8	166	0.05	0.8	0.9	B	A*C	COALFIELD TYPE
020990	202203.8	55.86	-3.13	329.1	663.2	0.2	0.3	ROSEWELL,LOTHIAN		8	8	173	0.02	0.2	0.1	B	A*C	COALFIELD TYPE
301090	143527.3	55.86	-3.13	329.2	663.5	0.6	1.2	ROSEWELL,LOTHIAN		10	8	115	0.06	0.3	0.3	B	A*B	COALFIELD TYPE
260890	113029.0	55.86	-3.12	330.1	663.3	0.7	0.2	ROSEWELL,LOTHIAN		6	9	183	0.06	7.5	0.4	D	D*D	COALFIELD TYPE
291090	065122.5	55.85	-3.19	325.7	662.6	1.5	-0.3	ROSEWELL,LOTHIAN		7	8	134	0.13	1.0	1.7	B	B*B	COALFIELD TYPE
140990	160136.8	55.85	-3.16	327.6	662.9	1.0	1.0	ROSEWELL,LOTHIAN		10	8	125	0.06	0.4	0.4	B	A*B	COALFIELD TYPE
261190	174516.1	55.85	-3.16	327.4	663.0	0.7	0.9	ROSEWELL,LOTHIAN		8	8	125	0.16	1.2	1.4	B	B*B	COALFIELD TYPE
300790	183650.1	55.85	-3.15	328.3	662.1	1.8	1.0	ROSEWELL,LOTHIAN		9	9	127	0.08	0.4	0.6	B	A*B	COALFIELD TYPE
290990	232931.7	55.85	-3.15	327.8	662.1	0.4	-0.5	ROSEWELL,LOTHIAN		5	9	153	0.09	0.5	0.7	C	A*D	COALFIELD TYPE
120890	193953.2	55.85	-3.14	328.7	663.1	0.1	0.3	ROSEWELL,LOTHIAN		5	8	185	0.03	3.5	1.0	D	C*D	COALFIELD TYPE
160990	145332.3	55.85	-3.14	328.4	662.1	0.1	0.6	ROSEWELL,LOTHIAN		7	9	127	0.05	0.2	0.2	B	A*B	COALFIELD TYPE
150490	122531.8	55.85	-3.13	329.3	662.7	0.2	0.5	ROSEWELL,LOTHIAN		10	9	119	0.06	0.2	0.2	B	A*B	COALFIELD TYPE
220290	183208.0	55.85	-3.11	330.5	662.8	0.7	0.3	ROSEWELL,LOTHIAN		8	9	112	0.06	0.3	0.3	B	A*B	COALFIELD TYPE
180290	161324.2	55.77	-3.08	332.3	653.7	6.3	-0.3	MOORFOOT HILLS,BORDERS		6	2	203	0.06	2.1	0.7	C	B*D	MAGNITUDE FROM VERTICALS
300490	153233.9	55.75	-3.10	331.0	651.0	2.3	-0.2	MOORFOOT HILLS,BORDERS		4	5	245	0.03	0.0	0.0	C	A*D	MAGNITUDE FROM VERTICALS
060590	082205.2	55.75	-3.07	332.6	651.7	5.6	-0.5	MOORFOOT HILLS,BORDERS		8	3	235	0.22	2.1	1.0	C	B*D	
070590	020414.0	55.74	-3.09	331.4	650.0	6.0	-0.6	MOORFOOT HILLS,BORDERS		8	5	241	0.17	1.7	0.9	C	B*D	
050590	231352.3	55.74	-3.07	332.6	649.8	6.0	0.9	MOORFOOT HILLS,BORDERS		15	4	241	0.19	1.2	0.5	C	B*D	
060590	043135.4	55.73	-3.09	331.9	648.9	3.8	0.4	MOORFOOT HILLS,BORDERS		10	6	245	0.13	1.0	1.3	C	A*D	
080790	073938.6	55.72	-3.57	301.1	648.5	1.0	0.2	CARNWATH,STRATHCLYDE		4	33	327	0.02	0.0	0.0	C	A*D	
190390	222109.3	55.71	-3.57	301.5	648.0	0.4	0.4	CARNWATH,STRATHCLYDE		7	16	285	0.07	1.4	1.2	C	B*D	
280390	164501.4	55.69	-3.06	333.2	644.4	7.9	-0.2	PEEBLES,BORDERS		8	9	257	0.31	3.1	3.8	D	C*D	
140690	043053.5	55.64	-2.98	338.1	638.9	0.7	0.6	WALKERBURN,BORDERS		6	15	271	0.18	5.9	5.4	D	D*D	
051190	023830.5	55.63	-5.97	150.4	644.7	10.0	1.0	ISLAY,STRATHCLYDE		6	80	347	0.10	12.1	222.4	D	D*D	OFFSHORE LOCATION
301090	101743.9	55.52	-6.49	116.9	634.1	0.9	1.5	ISLAY,STRATHCLYDE		10	54	266	0.26	4.8	3.3	D	C*D	OFFSHORE LOCATION,10KM SOUTHWEST OF ISLAY
190190	132050.2	55.50	-3.44	309.3	624.2	6.9	0.8	TWEEDSMUIR,BORDERS		12	25	172	0.17	1.7	3.2	C	B*C	
070290	021528.3	55.50	-3.02	335.7	623.5	7.0	0.2	ETTRICKBRIDGE,BORDERS		5	24	241	0.09	2.2	3.7	C	B*D	
230690	111541.5	55.48	-3.03	335.2	621.2	4.0	0.2	ETTRICKBRIDGE,BORDERS		8	21	146	0.15	2.4	5.7	C	C*C	
150290	075944.5	55.45	-3.41	310.9	618.7	11.1	0.7	TWEEDSMUIR,BORDERS		14	20	207	0.11	1.1	2.1	C	B*D	
021190	184743.0	55.39	-2.36	377.1	610.3	4.3	0.8	CHEVIOT HILLS,BORDERS		12	14	140	0.14	1.0	2.5	C	B*C	AFTERSHOCKS @ 19:16 AND 19:18 GMT
021190	193005.4	55.39	-2.36	377.0	610.3	3.9	0.7	CHEVIOT HILLS,BORDERS		7	14	140	0.04	0.8	2.4	C	B*C	
021190	231730.9	55.39	-2.35	377.9	611.2	6.8	0.5	CHEVIOT HILLS,BORDERS		7	13	143	0.06	3.0	6.1	C	C*C	AFTERSHOCKS @ 00:05 AND 06:31 GMT ON 3/11/90
140390	180321.3	55.38	-5.22	195.8	614.7	7.5	1.5	ARRAN,STRATHCLYDE		21	24	131	0.23	0.8	2.9	C	B*C	SOUTH OF ARRAN
021190	104843.2	55.38	-2.37	376.6	609.6	2.7	0.6	CHEVIOT HILLS,BORDERS		6	15	215	0.04	1.8	3.5	C	B*D	AFTERSHOCK @ 10:50 GMT
021190	134542.0	55.38	-2.37	376.7	610.0	3.1	0.9	CHEVIOT HILLS,BORDERS		11	14	139	0.10	0.7	2.3	C	B*C	
021190	203723.8	55.38	-2.37	376.7	610.1	2.9	0.3	CHEVIOT HILLS,BORDERS		6	14	213	0.04	1.3	2.5	C	B*D	AFTERSHOCKS @ 20:38,20:39

CATALOGUE OF EVENTS : 1990

Listed in order of decreasing latitude

Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
																		20:40 & 20:42 GMT
021190	192756.3	55.38	-2.36	377.0	610.2	3.9	0.2	CHEVIOT HILLS,BORDERS		7	14	140	0.04	0.8	2.3	C	B*C	
220390	221804.6	55.29	-2.98	337.6	600.0	6.1	0.0	LANGHOLM,D & G		4	14	295	0.07	0.0	0.0	C	A*D	15KM NORTH OF LANGHOLM
190590	010120.2	55.25	-3.43	309.3	595.8	6.9	0.6	JOHNSTONEBRIDGE,D & G		4	16	310	0.06	0.0	0.0	C	A*D	
030190	213203.8	55.24	-3.45	307.7	594.9	3.5	-0.7	JOHNSTONEBRIDGE,D & G		4	18	314	0.02	0.0	0.0	C	A*D	
220190	074640.0	55.24	-3.41	310.0	594.7	1.1	-0.1	JOHNSTONEBRIDGE,D & G		4	16	308	0.01	0.0	0.0	C	A*D	
230190	231739.4	55.24	-3.40	311.2	594.7	1.2	0.0	JOHNSTONEBRIDGE,D & G		4	15	304	0.09	0.0	0.0	C	A*D	
220190	071829.7	55.22	-3.50	304.6	592.6	2.5	1.2	JOHNSTONEBRIDGE,D & G		21	22	83	0.42	0.9	1.4	C	C*C	
220590	133201.3	55.20	-3.36	313.4	590.8	5.0	1.9	JOHNSTONEBRIDGE,D & G		22	15	116	0.31	1.6	2.7	C	C*C	
311290	153821.2	55.18	-3.50	304.7	588.8	6.4	1.2	JOHNSTONEBRIDGE,D & G		12	24	128	0.35	3.0	7.0	C	C*C	
290690	032556.5	55.17	-2.15	390.4	585.7	0.6	0.4	BELLINGHAM,N'UMBERLAND		5	34	263	0.09	16.3	9.5	D	D*D	
281190	152045.5	55.08	-3.05	333.3	577.0	6.7	0.2	LONGTOWN,CUMBRIA		7	12	156	0.22	2.1	2.7	C	B*C	
100290	032650.1	55.06	-3.75	288.3	575.3	5.9	0.3	DUMFRIES,D & G		4	42	339	0.06	0.0	0.0	C	A*D	
290690	213632.8	54.88	-1.31	444.3	554.3	2.3	1.5	RYHOPE,TYNE & WEAR		15	91	257	0.17	1.9	1.3	C	B*D	OFFSHORE,COALFIELD TYPE
031190	020639.0	54.88	-1.23	449.6	553.9	2.4	1.9	SUNDERLAND,TYNE & WEAR		16	63	306	0.40	6.7	4.7	D	D*D	OFFSHORE,COALFIELD TYPE
280990	061344.3	54.85	-1.33	442.9	550.3	0.2	1.3	SEAHAM,DURHAM		10	93	322	0.17	7.0	5.1	D	D*D	COALFIELD TYPE
041090	025140.7	54.83	-1.32	443.8	549.1	1.6	1.3	SEAHAM,DURHAM		6	94	327	0.13	54.7	41.7	D	D*D	COALFIELD TYPE
031090	054957.6	54.82	-2.90	342.0	548.2	1.0	0.5	CARLISLE,CUMBRIA		6	42	255	0.04	2.9	1.6	D	C*D	5KM SOUTH OF CARLISLE
191090	105906.2	54.75	-5.85	152.5	546.3	0.0	2.5	CARRICKFERGUS,ANTRIM	2+	13	41	147	0.30	1.1	1.5	C	B*C	SALT MINE SUBSIDENCE,FELT CARRICKFERGUS AREA
261290	040236.9	54.75	-3.24	320.2	540.2	7.3	0.7	ASPATRIA,CUMBRIA		14	47	140	0.36	1.1	4.3	C	C*C	
210590	063426.3	54.75	-2.91	341.4	540.2	7.3	1.8	BRAITHWAITE,CUMBRIA		25	44	63	0.21	0.5	2.6	C	B*C	
240390	025012.7	54.57	-3.31	315.6	519.7	11.4	0.5	LOWESWATER,CUMBRIA		10	14	120	0.18	0.8	2.5	B	B*B	
070390	075337.6	54.47	-2.83	346.4	508.4	8.7	1.4	KENTMERE,CUMBRIA		20	12	84	0.19	0.6	2.4	B	B*B	
080390	073622.3	54.46	-2.83	346.2	507.8	9.3	0.7	KENTMERE,CUMBRIA		12	12	84	0.18	0.8	3.0	B	B*B	AFTERSHOCK
100490	044939.0	54.37	-3.39	309.4	498.2	6.3	0.6	RAVENGLASS,CUMBRIA		10	16	92	0.11	0.4	0.6	B	A*C	
251190	155538.9	54.32	-2.29	381.3	491.8	9.5	0.8	GARSDALE,CUMBRIA		8	20	217	0.16	1.9	7.0	D	C*D	
271290	052115.5	54.30	-3.19	322.6	490.2	1.5	0.8	GRIZEBECK,CUMBRIA		4	12	242	0.02	0.0	0.0	C	A*D	5KM NW OF GRIZEBECK
150290	161327.6	54.30	-2.28	382.0	489.0	7.2	1.4	WIDDALE,N YORKSHIRE		15	19	128	0.14	0.5	0.9	B	A*C	
050190	102859.5	54.07	-2.21	386.2	463.9	5.7	0.6	SETTLE,N YORKSHIRE		8	26	161	0.11	0.8	1.2	B	A*C	
190590	140219.6	53.88	-4.03	266.6	444.6	7.6	1.6	IRISH SEA		25	52	78	0.18	0.4	2.7	C	B*D	
190790	140257.9	53.82	1.48	628.7	441.9	4.5	2.3	SOUTHERN NORTH SEA		51	10	345	0.04	3.0	3.4	D	C*D	
231190	150226.8	53.74	-2.16	389.3	427.3	0.5	1.5	BURNLEY,LANCASHIRE		8	29	239	0.24	5.1	3.3	D	D*D	COALFIELD TYPE
240690	200409.6	53.70	-2.05	397.0	423.0	12.2	1.3	TODMORDEN,W YORKSHIRE		14	38	185	0.28	1.5	2.0	C	B*D	
271290	031648.8	53.68	1.15	608.4	424.9	1.8	2.4	SOUTHERN NORTH SEA		12	88	249	0.71	5.1	3.1	D	D*D	
150990	051101.9	53.62	-2.06	396.3	413.9	4.4	0.9	LITTLEBOROUGH,GTR MAN		12	42	136	0.26	1.1	4.3	C	B*C	
111290	100550.6	53.61	-1.20	452.8	413.2	2.4	1.5	GRIMETHORPE,S YORKS	2+	6	47	220	0.11	2.2	1.2	C	B*D	COALFIELD TYPE,FELT GRIMETHORPE
011190	074611.1	53.59	-1.34	443.9	410.1	1.0	1.8	GRIMETHORPE,S YORKS	2+	11	45	203	0.46	4.8	3.8	D	C*D	FELT GRIMETHORPE,COALF'LD TYPE,MULTIPLE EVENT
151090	204719.3	53.58	-2.40	373.9	409.1	8.9	1.5	BOLTON,GTR MANCHESTER		23	32	72	0.20	0.6	2.4	C	B*C	FIRST OF DOUBLE EVENT
151090	204724.9	53.58	-2.39	374.3	409.4	8.4	1.6	BOLTON,GTR MANCHESTER		20	32	92	0.17	0.5	3.4	C	B*C	SECOND OF DOUBLE EVENT
151090	031029.8	53.57	-2.41	372.6	408.7	11.1	1.7	BOLTON,GTR MANCHESTER		24	32	127	0.17	0.6	1.3	C	B*C	
201190	140613.4	53.56	-2.65	357.1	407.7	0.6	1.7	WIGAN,W MANCHESTER		8	31	316	0.23	11.3	9.1	D	D*D	COALFIELD TYPE
050690	022944.6	53.54	-2.46	369.4	404.9	0.5	0.9	LEIGH,GTR MANCHESTER		13	35	96	0.36	1.1	1.8	C	C*C	COALFIELD TYPE
070890	022311.1	53.53	-2.47	368.6	403.5	0.2	1.1	LEIGH,GTR MANCHESTER	2+	11	36	186	0.26	2.1	2.3	C	B*D	COALFIELD TYPE,FELT LEIGH
020690	235709.1	53.52	-2.45	370.2	403.0	0.2	0.6	LEIGH,GTR MANCHESTER		6	37	324	0.25	1.3	1.2	C	B*D	COALFIELD TYPE
080290	015325.2	53.52	-1.16	455.8	402.5	17.9	3.0	DONCASTER,S YORKSHIRE	4	17	26	135	0.27	1.7	1.7	B	B*B	FELT SHEFFIELD,ROTHERHAM, THORNE,BARNSLEY
120390	222612.4	53.52	2.58	703.5	12.4	1.4	2.8	SOUTHERN NORTH SEA		111	08	289	0.26	4.6	2.7	D	C*D	

CATALOGUE OF EVENTS : 1990

Listed in order of decreasing latitude

Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
250690	201426.1	53.50	-2.48	368.3	400.9	0.1	0.9	LEIGH,GTR MANCHESTER		11	39	206	0.21	1.8	1.8	C	B*D	COALFIELD TYPE
010790	003923.7	53.49	-2.46	369.3	399.6	0.2	1.0	LEIGH,GTR MANCHESTER	2+	13	40	178	0.06	0.4	0.5	B	A*C	COALFIELD TYPE,FELT LEIGH
120290	093329.4	53.49	-1.15	456.2	399.8	12.7	2.4	DONCASTER,S YORKSHIRE		17	28	136	0.13	0.6	1.0	B	A*C	AFTERSHOCK
240390	161158.5	53.49	2.41	692.5	408.3	0.5	2.7	SOUTHERN NORTH SEA		10	97	284	0.18	4.4	4.0	D	C*D	
160190	060036.6	53.48	-2.48	368.5	397.7	1.0	1.3	CULCHETH,W MANCHESTER		12	42	90	0.19	0.9	1.4	C	B*C	COALFIELD TYPE
130890	171541.5	53.48	-2.45	369.8	398.7	1.4	0.9	LEIGH,GTR MANCHESTER	2+	9	41	192	0.17	1.4	1.6	C	B*D	COALFIELD TYPE,FELT LEIGH
080890	125757.9	53.48	-2.42	372.1	398.2	1.3	1.1	LEIGH,GTR MANCHESTER	2+	11	42	195	0.13	0.8	0.8	C	A*D	COALFIELD TYPE,FELT LEIGH
220590	094540.1	53.47	-2.45	370.3	397.4	2.4	1.1	LEIGH,GTR MANCHESTER		12	43	194	0.23	1.6	1.2	C	B*D	COALFIELD TYPE
130190	041700.6	53.45	-2.49	367.7	394.9	0.5	1.3	CULCHETH,W MANCHESTER		14	45	93	0.20	0.9	1.5	C	B*C	COALFIELD TYPE
050190	221232.7	53.43	-2.55	363.5	392.9	0.2	1.4	WARRINGTON,CHESHIRE		12	47	125	0.16	0.8	1.5	C	B*C	COALFIELD TYPE,NORTHEAST OF WARRINGTON
180190	192003.0	53.43	-2.46	369.2	392.6	1.0	1.2	CULCHETH,W MANCHESTER		8	47	284	0.11	4.0	2.2	D	C*D	COALFIELD TYPE
270990	035524.5	53.42	-1.27	448.6	392.2	2.8	1.4	ROTHERHAM,S YORKSHIRE		13	26	160	0.41	1.9	3.8	C	C*C	
151290	030905.0	53.40	-1.18	454.7	390.2	0.9	1.2	MALTBY,S YORKSHIRE		19	29	167	0.31	1.2	3.2	C	C*C	COALFIELD TYPE
081090	174734.5	53.39	-1.30	446.6	388.5	1.7	1.3	ILKESTON,DERBYSHIRE		4	21	270	0.10	0.0	0.0	C	A*D	COALFIELD TYPE
201290	143428.0	53.39	-1.21	452.7	388.9	0.5	1.7	MALTBY,S YORKSHIRE		15	26	249	0.26	2.4	1.9	C	B*D	COALFIELD TYPE
080290	151604.4	53.39	-1.04	463.9	388.1	0.3	1.3	RANSKILL,S YORKSHIRE	2+	4	36	261	0.05	0.0	0.0	C	A*D	FELT RANSKILL
171090	160033.1	53.37	-1.79	414.0	386.3	8.4	1.1	SHEFFIELD,S YORKSHIRE		5	22	302	0.02	0.7	6.0	D	C*D	WEST OF SHEFFIELD
260690	030326.5	53.33	-4.80	213.4	385.4	9.6	1.2	IRISH SEA		24	18	98	0.19	0.6	0.8	B	B*B	
061190	134309.7	53.27	-1.79	413.7	375.4	16.2	1.8	BUXTON,DERBYSHIRE		6	106	313	0.02	2.3	2.1	C	B*D	
031090	111555.7	53.24	-0.99	467.6	372.0	0.2	1.7	WALESBY,NOTTS		8	36	288	0.36	14.1	8.5	D	D*D	COALFIELD TYPE
070190	012833.2	53.22	-1.05	463.3	369.8	3.4	1.1	THORESBY,NOTTS	2+	6	32	216	0.11	2.7	5.3	D	C*D	COALFIELD TYPE,FELT THORESBY
030190	050557.1	53.21	-1.10	460.3	368.0	2.7	1.0	THORESBY,NOTTS	2+	4	29	274	0.09	0.0	0.0	C	A*D	COALFIELD TYPE,FELT THORESBY
190190	025356.3	53.21	-1.06	463.0	368.7	3.1	1.2	THORESBY,NOTTS	2+	4	42	244	0.01	0.0	0.0	C	A*D	COALFIELD TYPE,FELT THORESBY
170290	213118.0	53.20	-1.13	458.0	367.7	0.8	1.0	THORESBY,NOTTS		4	27	270	0.15	0.0	0.0	C	A*D	COALFIELD TYPE
030290	150104.4	53.20	-1.10	460.2	367.8	1.9	1.1	THORESBY,NOTTS		4	29	274	0.06	0.0	0.0	C	A*D	COALFIELD TYPE
200290	192149.6	53.20	-1.03	464.5	367.6	1.0	1.1	THORESBY,NOTTS		4	34	279	0.33	0.0	0.0	D	C*D	COALFIELD TYPE
071090	163315.3	53.20	-0.96	469.1	367.2	3.8	1.0	OLLERTON,NOTTS		5	36	216	0.29	4.3	6.7	D	C*D	COALFIELD TYPE
010290	041230.8	53.19	-1.16	456.4	366.6	4.7	1.0	THORESBY,NOTTS		4	26	266	0.30	0.0	0.0	C	B*D	COALFIELD TYPE
020390	052032.7	53.19	-1.14	457.2	366.5	2.0	1.0	WARSOP,NOTTS		4	27	267	0.09	0.0	0.0	C	A*D	
160290	183358.2	53.19	-1.12	458.7	366.7	1.0	1.1	THORESBY,NOTTS		4	28	270	0.12	0.0	0.0	C	A*D	COALFIELD TYPE
150190	234912.3	53.19	-1.09	461.1	366.4	0.6	1.2	THORESBY,NOTTS	2+	4	42	238	0.01	0.0	0.0	C	A*D	COALFIELD TYPE,FELT THORESBY
240290	031516.1	53.18	-1.25	450.1	364.9	0.7	1.0	THORESBY,NOTTS		4	20	250	0.38	0.0	0.0	D	C*D	COALFIELD TYPE
030490	231854.0	53.18	-1.13	458.4	364.9	1.2	1.2	CLIPSTONE,NOTTS		5	28	196	0.13	0.7	2.4	C	B*D	
280990	144729.2	53.18	-1.08	461.4	365.0	2.1	1.4	EDWINSTOWE,NOTTS	2+	5	31	200	0.05	1.2	1.8	C	B*D	COALFIELD TYPE,FELT EDWINSTOWE
061090	112817.1	53.18	-1.08	461.4	364.9	2.5	1.2	EDWINSTOWE,NOTTS		4	31	271	0.02	0.0	0.0	C	A*D	COALFIELD TYPE
271090	033652.5	53.17	-1.00	467.1	364.4	1.7	1.5	OLLERTON,NOTTS	2+	8	36	156	0.16	1.1	1.3	C	B*C	COALFIELD TYPE,FELT EDWINSTOWE
020590	215428.0	53.16	-2.63	358.0	362.3	7.8	1.0	ALPRAHAM,CHESHIRE		12	55	132	0.19	0.6	2.2	C	B*D	
271190	023827.4	53.16	-0.87	475.8	363.4	2.1	1.4	OLLERTON,NOTTS		5	45	229	0.11	2.5	1.8	D	C*D	COALFIELD TYPE
031190	031138.1	53.15	-0.99	467.4	362.5	0.5	1.7	OLLERTON,NOTTS		15	34	153	0.32	1.1	1.9	C	C*C	COALFIELD TYPE
161090	231815.3	53.14	2.13	676.3	368.0	9.7	1.8	SOUTHERN NORTH SEA		8	57	318	0.11	2.2	2.7	C	B*D	
091190	201324.2	53.13	-3.94	270.3	360.7	9.7	1.2	LLYN COWLYD,GWYNEDD		21	15	110	0.07	0.2	0.5	B	A*B	
101190	033357.3	53.13	-3.94	270.4	360.9	11.1	1.0	LLYN COWLYD,GWYNEDD		21	15	110	0.08	0.3	0.7	B	A*B	
040490	023914.1	53.13	-2.62	358.6	359.0	9.9	2.0	ALPRAHAM,CHESHIRE		18	50	80	0.13	0.4	0.6	B	A*C	

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Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
161290	203324.4	53.13	-1.03	464.8	359.8	0.5	1.7	BILSTHORPE,NOTTS		15	35	145	0.21	0.8	1.8	C	B*C	COALFIELD TYPE
080890	025716.2	53.12	-4.34	243.6	360.8	14.3	0.8	CAERNARVON,GWYNEDD		15	11	112	0.08	0.3	0.6	B	A*B	
041090	043357.8	53.12	-1.24	450.5	358.9	0.1	1.7	MANSFIELD,NOTTS		11	24	220	0.29	1.3	1.4	C	B*D	COALFIELD TYPE
171090	103418.1	53.11	-1.43	438.1	357.4	7.6	0.8	MATLOCK,DERBYSHIRE		4	17	191	0.00	0.0	0.0	C	A*D	COALFIELD TYPE,EAST OF MATLOCK
121190	015332.9	53.11	-1.05	463.8	357.1	2.5	0.6	FARNSFIELD,NOTTS		14	35	164	0.36	1.2	1.7	C	C*C	
300490	123035.9	53.10	-3.67	288.0	357.4	17.3	0.0	BETWS-Y-COED,GWYNEDD		13	14	214	0.09	0.6	0.7	C	A*D	
261090	084740.0	53.10	-1.70	420.2	355.8	0.0	0.7	MATLOCK,DERBYSHIRE	2+	5	13	167	0.13	0.0	0.0	C	A*D	COALFIELD TYPE,FELT AT DINNINGTON COLLIERY
221190	012018.6	53.10	-1.05	463.4	356.9	2.8	1.4	FARNSFIELD,NOTTS		10	35	139	0.27	1.2	2.9	C	B*C	
071090	164326.7	53.09	-1.18	455.1	355.2	0.7	0.6	BLIDWORTH,NOTTS		4	30	245	0.17	0.0	0.0	C	B*D	COALFIELD TYPE
161090	041756.0	53.08	-1.14	457.9	354.2	8.1	0.6	BLIDWORTH,NOTTS		4	32	250	0.09	0.0	0.0	C	A*D	COALFIELD TYPE
031090	164739.8	53.07	-3.88	274.0	354.2	11.8	0.7	BETWS-Y-COED,GWYNEDD		20	11	118	0.10	0.3	0.5	B	A*B	
150590	201410.9	53.05	-5.46	167.9	355.9	8.4	1.5	IRISH SEA		28	61	114	0.25	0.9	2.8	C	B*D	
030390	164659.9	53.04	-2.18	388.3	349.2	3.9	1.0	STOKE-ON-TRENT,STAFFS		4	23	301	0.10	0.0	0.0	C	A*D	
080290	052352.3	53.03	-2.26	382.3	348.2	1.5	2.0	STOKE-ON-TRENT,STAFFS	2+	17	68	167	0.27	1.4	1.4	C	B*D	FELT STOKE-ON-TRENT AREA
080290	071224.9	53.02	-2.26	382.6	347.6	1.8	1.8	STOKE-ON-TRENT,STAFFS		13	68	168	0.22	1.5	1.3	C	B*D	
230290	211808.5	53.02	-2.22	385.6	345.9	0.3	1.8	STOKE-ON-TRENT,STAFFS		22	25	78	0.26	0.7	1.3	C	B*C	
010390	235348.3	53.02	-2.22	384.9	346.5	1.5	0.8	STOKE-ON-TRENT,STAFFS		4	26	304	0.00	0.0	0.0	C	A*D	
040390	001847.0	53.02	-2.22	385.5	347.5	4.2	2.8	STOKE-ON-TRENT,STAFFS	5	14	25	153	0.09	0.5	1.1	B	A*C	FELT THROUGHOUT NORTH STAFFORDSHIRE
040390	070919.4	53.02	-2.22	385.5	347.2	3.2	2.3	STOKE-ON-TRENT,STAFFS	3+	21	25	74	0.23	0.6	2.1	C	B*C	FELT STOKE-ON-TRENT AREA
040390	075705.3	53.02	-2.22	385.3	346.9	3.9	1.8	STOKE-ON-TRENT,STAFFS	2+	21	25	78	0.18	0.6	1.7	C	B*C	FELT STOKE-ON-TRENT AREA
260290	130938.7	53.02	-2.21	385.7	346.8	4.5	2.4	STOKE-ON-TRENT,STAFFS	3+	25	25	75	0.25	0.6	1.5	C	B*C	FELT STOKE-ON-TRENT AREA
040390	055943.0	53.02	-2.21	385.9	346.8	5.4	1.8	STOKE-ON-TRENT,STAFFS	2+	24	25	78	0.35	1.1	2.6	C	C*C	FELT STOKE-ON-TRENT AREA
180190	074525.1	53.01	-4.41	238.0	348.3	14.2	1.0	LLEYN,GWYNEDD	2+	19	3	122	0.10	0.3	0.6	B	A*B	FELT LLANBERIS
020590	173418.1	52.98	-4.41	238.1	345.0	23.8	0.9	LLEYN,GWYNEDD		17	1	111	0.08	0.4	0.6	B	A*B	AFTERSHOCK
230490	054941.8	52.98	-4.40	238.7	344.7	23.5	0.6	LLEYN,GWYNEDD		9	2	113	0.05	0.4	0.5	B	A*B	AFTERSHOCK
140690	040133.2	52.97	-4.41	238.3	344.3	13.8	0.1	LLEYN,GWYNEDD		16	2	114	0.27	0.9	1.2	B	B*B	
080390	051153.0	52.97	-4.40	238.6	344.6	23.4	0.7	LLEYN,GWYNEDD		17	2	81	0.09	0.4	0.6	A	A*A	AFTERSHOCK
301090	044559.4	52.97	-4.39	239.6	344.2	23.2	0.5	LLEYN,GWYNEDD		15	3	83	0.08	0.3	0.5	A	A*A	AFTERSHOCK
280390	175147.8	52.97	-4.38	240.4	343.6	24.6	0.6	LLEYN,GWYNEDD		19	4	85	0.08	0.3	0.5	A	A*A	AFTERSHOCK
080890	093441.1	52.96	-4.41	238.2	343.6	24.0	0.6	LLEYN,GWYNEDD		18	2	116	0.07	0.2	0.6	B	A*B	AFTERSHOCK
190590	225638.8	52.96	-4.39	239.8	342.5	22.4	1.3	LLEYN,GWYNEDD		18	4	88	0.06	0.2	0.6	A	A*A	AFTERSHOCK
180190	000638.6	52.96	-4.38	240.0	343.2	22.0	1.8	LLEYN,GWYNEDD	3+	20	4	86	0.08	0.3	0.6	A	A*A	AFTERSHOCK,FELT PWLLHELI & LLANBERIS
250990	131424.0	52.96	-4.38	240.4	342.9	24.7	1.4	LLEYN,GWYNEDD		20	4	87	0.08	0.3	0.8	A	A*A	AFTERSHOCK
130990	124411.3	52.96	-4.37	240.9	343.5	24.4	1.1	LLEYN,GWYNEDD		20	4	86	0.10	0.4	0.8	A	A*A	AFTERSHOCK
250990	131538.0	52.96	-4.37	240.5	342.8	24.2	0.6	LLEYN,GWYNEDD		18	4	87	0.08	0.3	0.6	A	A*A	AFTERSHOCK
200490	002227.0	52.95	-4.40	238.6	342.4	24.8	2.0	LLEYN,GWYNEDD		21	3	105	0.09	0.3	0.8	B	A*B	AFTERSHOCK
080190	044738.1	52.94	-4.21	251.7	340.0	11.7	1.0	CRICCIETH,GWYNEDD		11	15	259	0.09	0.7	1.0	C	A*D	
090390	193330.7	52.91	-2.50	366.4	335.1	9.3	1.5	MARKET DRAYTON,SHROPS		19	76	259	0.12	0.8	1.2	C	A*D	
150490	120541.4	52.91	2.38	694.4	343.7	0.0	2.4	SOUTHERN NORTH SEA		10	64	310	0.26	5.5	4.7	D	D*D	
300890	044631.7	52.88	-2.51	365.9	331.9	8.6	1.0	MARKET DRAYTON,SHROPS		4	47	205	0.03	0.0	0.0	C	A*D	
041090	033019.2	52.84	-3.98	266.8	328.2	14.2	0.3	LLANBEDR,GWYNEDD		18	6	105	0.09	0.4	0.5	B	A*B	
121190	051130.6	52.83	-3.56	295.0	327.2	14.6	0.0	LAKE VRYNWY,POWYS		11	5	152	0.06	0.4	0.4	B	A*C	
091090	154132.3	52.78	-2.65	356.4	320.0	7.3	1.4	SHREWSBURY,SHROPSHIRE		20	33	125	0.19	0.4	2.0	C	B*C	NORTHWEST OF SHREWSBURY
160590	083240.7	52.74	-2.37	375.2	316.5	14.3	2.1	TELFORD,SHROPSHIRE		18	43	118	0.27	1.0	1.2	C	B*C	
100790	012615.9	52.70	-2.76	348.6	311.6	8.4	2.2	SHREWSBURY,SHROPSHIRE	4+	26	15	70	0.26	0.7	1.5	B	B*B	FELT SHREWSBURY,TELFORD, CLUN,CLUNBERRY...

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Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
020590	143117.8	52.65	-2.36	375.4	306.1	4.0	0.9	TELFORD,SHROPSHIRE		6	39	345	0.07	1.9	115.1	D	C*D	
060490	002953.8	52.62	-3.10	325.2	303.0	5.3	0.1	MONTGOMERY,SHROPSHIRE		6	19	321	0.05	9.8	74.7	D	D*D	
071190	070815.7	52.59	2.98	737.1	310.3	0.8	1.6	SOUTHERN NORTH SEA		5	107	328	0.06	2.8	149.7	D	C*D	
141190	185018.8	52.57	-2.88	340.2	297.6	14.4	1.0	CHURCH STRETTON,SHROPS		19	4	152	0.08	0.3	0.3	B	A*C	
170490	005234.1	52.45	-3.03	330.2	284.3	15.0	0.7	BISHOP'S CASTLE,SHROPS		16	1	62	0.10	0.4	0.4	A	A*A	AFTERSHOCK
290490	055237.1	52.45	-3.03	330.2	284.2	15.7	0.0	BISHOP'S CASTLE,SHROPS		14	1	86	0.09	0.6	0.4	A	A*A	AFTERSHOCK
050590	181624.9	52.45	-3.03	330.1	283.6	16.0	-0.4	BISHOP'S CASTLE,SHROPS		7	6	115	0.03	0.4	0.4	B	A*B	AFTERSHOCK
020490	220414.3	52.44	-3.03	330.0	282.5	17.5	1.0	BISHOP'S CASTLE,SHROPS		6	13	153	0.08	1.4	4.3	C	B*C	AFTERSHOCK
030490	051842.6	52.44	-3.03	329.8	283.4	15.6	1.5	BISHOP'S CASTLE,SHROPS		7	13	93	0.08	1.0	1.7	B	B*B	AFTERSHOCK
270790	021234.3	52.44	-3.03	330.1	283.2	16.1	0.2	BISHOP'S CASTLE,SHROPS		14	0	60	0.08	0.5	0.4	A	A*A	AFTERSHOCK
020490	134634.2	52.43	-3.03	329.7	282.4	14.3	5.1	BISHOP'S CASTLE,SHROPS	6	18	14	63	0.12	0.5	0.6	A	A*A	FELT THROUGHOUT ENGLAND & WALES
180490	013324.5	52.36	-2.06	395.9	273.5	8.8	1.2	BROMSGROVE,W MIDLANDS		6	66	296	0.05	1.4	0.9	C	B*D	
291290	195920.9	52.28	-3.69	284.6	266.2	19.9	1.0	TREGARON,DYFED		8	5	260	0.11	1.3	1.0	C	B*D	
191290	133846.3	52.00	-3.66	285.7	234.7	0.5	0.9	KNIGHTON,POWYS		8	29	131	0.21	1.1	2.2	C	B*C	
290590	080850.6	52.00	-2.87	340.1	233.8	18.9	1.3	ELLESMERE,SHROPSHIRE		13	27	301	0.06	0.8	1.1	C	A*D	
260190	200956.9	52.00	-0.98	470.2	233.6	16.3	2.1	BUCKINGHAM,BUCKS		10	54	205	0.19	1.2	2.2	C	B*D	
031290	011708.4	51.82	-3.47	298.5	214.4	19.1	1.7	ABERDARE,MID GLAMORGAN		16	32	104	0.20	0.9	4.3	B	B*B	
191190	092942.3	51.80	-2.69	352.3	212.0	0.5	1.3	MONMOUTH,GWENT		8	20	182	0.44	0.9	1.2	D	C*D	
211190	122023.4	51.71	-2.36	375.4	201.2	7.7	1.0	STROUD,GLOUCESTERSHIRE		7	32	278	0.36	8.0	10.8	D	D*D	
081290	003502.7	51.68	-3.33	307.8	198.9	3.4	1.7	RHONNDA,MID GLAMORGAN		10	37	268	0.18	2.2	4.1	C	B*D	
201190	171415.1	51.68	-3.30	310.1	198.2	0.5	1.4	GELLIGAER,SOUTH WALES	2+	8	34	131	0.13	0.8	3.4	C	B*C	FELT GELLIGAER,HENGOED & YSTRAD MYNACH
191090	094622.3	51.68	-3.26	312.7	198.4	0.0	1.3	HENGOED,MID GLAMORGAN	2+	11	32	130	0.16	0.7	1.8	C	B*C	FELT HENGOED
221090	172234.8	51.68	-3.26	313.2	199.3	0.4	0.9	BARGOED,GLAMORGAN		8	32	177	0.08	0.5	0.8	B	A*C	COALFIELD TYPE
210690	014843.6	51.64	-3.08	325.3	194.0	10.0	1.7	CWMBRAN,GWENT		7	19	242	0.11	1.9	2.0	C	B*D	
100190	073500.1	51.63	-2.95	334.5	192.6	19.2	1.7	CAERLEON,GWENT		6	10	244	0.09	1.9	1.8	C	B*D	
251090	142806.5	51.59	-3.46	298.6	188.7	1.8	1.3	BRIDGEND,MID GLAMORGAN		7	46	291	0.22	6.8	5.2	D	D*D	
131290	215857.7	51.40	-3.01	329.9	167.6	1.0	1.9	BRISTOL CHANNEL		5	88	293	0.16	3.0	2.3	D	C*D	
140390	024106.2	51.01	-2.91	335.9	124.4	7.6	2.1	SOMERTON,SOMERSET		7	96	224	0.09	1.4	134.6	D	C*D	
240790	030024.2	51.00	-5.35	165.1	127.7	7.1	1.3	HARTLAND POINT,DEVON		10	79	341	0.04	27.7	62.1	D	D*D	55 KM W OF HARTLAND POINT
240790	025657.3	50.99	-5.36	164.3	127.2	5.0	1.7	HARTLAND POINT,DEVON		8	79	341	0.03	50.8	114.2	D	D*D	55 KM W OF HARTLAND POINT
250890	075301.0	50.63	-5.65	141.7	87.7	8.7	1.9	ST IVES,CORNWALL		8	53	305	0.11	0.7	14.5	D	C*D	NORTHWEST OF ST IVES
290490	001819.5	50.49	-5.26	168.5	71.2	0.8	1.6	TREVOSE HEAD,CORNWALL		9	31	270	0.08	0.9	109.6	D	C*D	
130590	111943.6	50.29	-5.40	158.0	48.4	2.8	0.1	PORTREATH,CORNWALL		7	16	258	0.04	0.6	19.3	D	C*D	NORTHWEST OF PORTREATH
140990	184201.3	50.24	-5.14	176.4	42.2	0.7	-0.2	ST DAY,CORNWALL		7	5	302	0.02	0.1	0.8	C	A*D	EAST OF ST DAY
290890	030850.1	50.22	-5.25	168.0	41.2	0.5	0.1	SOUTH CROFTY,CORNWALL		6	5	315	0.06	2.0	14.5	D	C*D	
271290	162134.9	50.18	-5.16	174.7	36.2	3.7	0.5	STITHIANS,CORNWALL		13	1	164	0.02	0.1	0.1	B	A*C	SOUTHEAST OF STITHIANS
281290	034329.1	50.18	-5.15	174.9	36.1	3.6	0.5	STITHIANS,CORNWALL		13	2	170	0.01	0.1	0.1	B	A*C	SOUTHEAST OF STITHIANS
190990	175212.5	50.13	-5.21	170.8	31.0	1.1	-0.2	HELSTON,CORNWALL		7	1	270	0.07	1.3	0.8	C	B*D	NORTHEAST OF HELSTON
240690	131214.2	50.12	-5.18	172.7	28.9	6.2	-0.3	CONSTANTINE,CORNWALL		7	3	324	0.02	0.4	0.3	C	A*D	
041190	010552.1	50.11	-5.18	173.0	28.1	6.9	-0.2	CONSTANTINE,CORNWALL		10	3	161	0.03	0.3	0.3	B	A*C	
041190	011936.6	50.11	-5.18	172.8	28.0	6.8	0.0	CONSTANTINE,CORNWALL		15	3	166	0.04	0.3	0.3	B	A*C	
041190	011941.8	50.11	-5.18	172.9	28.0	7.0	0.2	CONSTANTINE,CORNWALL		17	3	162	0.04	0.2	0.2	B	A*C	
041190	013151.5	50.11	-5.18	172.4	28.1	7.2	-0.5	CONSTANTINE,CORNWALL		8	3	172	0.04	0.3	0.5	B	A*C	
041190	013154.4	50.11	-5.18	172.8	28.1	6.8	0.0	CONSTANTINE,CORNWALL		10	3	164	0.05	0.4	0.5	B	A*C	
041190	014500.0	50.11	-5.18	172.6	28.0	7.0	-0.3	CONSTANTINE,CORNWALL		13	3	169	0.03	0.3	0.3	B	A*C	
041190	014743.4	50.11	-5.18	173.0	27.9	6.8	0.2	CONSTANTINE,CORNWALL		17	3	160	0.03	0.2	0.2	B	A*C	
041190	015746.5	50.11	-5.18	172.9	27.9	6.7	-0.3	CONSTANTINE,CORNWALL		15	3	163	0.03	0.2	0.2	B	A*C	
041190	015749.9	50.11	-5.18	172.8	28.0	7.0	0.3	CONSTANTINE,CORNWALL		16	3	166	0.04	0.3	0.2	B	A*C	

CATALOGUE OF EVENTS : 1990

Listed in order of decreasing latitude

Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
041190	021430.4	50.11	-5.18	172.9	28.0	7.1	0.0	CONSTANTINE,CORNWALL		7	3	164	0.04	0.4	0.5	B	A*C	
041190	021428.0	50.11	-5.18	172.9	28.0	6.7	0.1	CONSTANTINE,CORNWALL		15	3	163	0.03	0.2	0.2	B	A*C	
041190	031038.0	50.11	-5.18	172.8	28.1	6.9	0.1	CONSTANTINE,CORNWALL		14	3	166	0.03	0.2	0.2	B	A*C	
041190	060812.8	50.11	-5.18	172.8	28.1	6.9	0.0	CONSTANTINE,CORNWALL		10	3	165	0.05	0.4	0.5	B	A*C	
041190	065412.7	50.11	-5.18	172.9	28.0	6.8	0.0	CONSTANTINE,CORNWALL		15	3	164	0.03	0.2	0.2	B	A*C	
041190	092554.1	50.11	-5.18	172.9	27.9	6.8	0.5	CONSTANTINE,CORNWALL		17	3	165	0.04	0.2	0.2	B	A*C	
041190	092615.5	50.11	-5.18	172.9	27.9	6.9	0.3	CONSTANTINE,CORNWALL		14	3	164	0.03	0.2	0.2	B	A*C	
041190	093130.8	50.11	-5.18	173.0	28.0	6.9	0.6	CONSTANTINE,CORNWALL		17	3	162	0.03	0.2	0.2	B	A*C	
051190	022147.2	50.11	-5.18	172.9	28.0	6.9	0.0	CONSTANTINE,CORNWALL		12	3	162	0.04	0.3	0.3	B	A*C	
041190	014407.7	50.11	-5.17	173.3	27.9	6.7	-0.5	CONSTANTINE,CORNWALL		12	4	154	0.02	0.2	0.1	B	A*C	
041190	014654.3	50.11	-5.17	173.3	27.9	6.9	-0.5	CONSTANTINE,CORNWALL		8	4	154	0.02	0.3	0.3	B	A*C	
041190	030609.5	50.11	-5.17	173.4	28.0	7.0	-0.1	CONSTANTINE,CORNWALL		9	4	152	0.02	0.2	0.2	B	A*C	
041190	030953.9	50.11	-5.17	173.3	28.0	7.0	-0.3	CONSTANTINE,CORNWALL		8	4	154	0.01	0.1	0.1	B	A*C	
080990	233453.4	50.09	-5.45	153.0	26.5	2.2	0.0	PENZANCE,CORNWALL		8	12	235	0.10	1.6	6.6	D	C*D	5KM SOUTHEAST OF PENZANCE
210590	233600.7	50.08	-5.79	129.1	26.9	19.2	0.4	LANDS END,CORNWALL		8	17	338	0.06	3.3	1.3	D	C*D	WEST OF LANDS END
260390	004647.1	50.06	-6.25	96.2	26.9	5.0	1.0	SCILLY ISLES,CORNWALL		4	74	355	0.09	0.0	0.0	C	A*D	8KM NORTH OF ST MARTINS
010290	064540.0	49.82	-5.75	130.6	-1.9	5.0	0.8	LANDS END,CORNWALL		7	39	326	0.05	10.7	23.7	D	D*D	SOUTHWEST OF LANDS END
040590	092248.9	49.15	-2.17	387.9	-82.8	12.3	-0.1	ST AUBINS BAY,JERSEY		5	4	285	0.12	4.2	2.4	D	C*D	SOUTH OF ST AUBINS BAY
300490	233944.4	49.14	-2.13	390.3	-84.2	9.1	-0.3	ST AUBINS BAY,JERSEY		8	6	299	0.11	1.6	1.4	C	B*D	SOUTH OF ST AUBINS BAY
300490	233557.3	49.13	-2.13	390.5	-86.0	8.1	3.5	ST AUBINS BAY,JERSEY	5	4	8	310	0.02	0.0	0.0	C	A*D	S OF ST AUBINS BAY, FELT THROUGHOUT JERSEY
040590	065829.6	49.13	-2.12	390.9	-85.9	8.5	0.5	ST AUBINS BAY,JERSEY		7	8	311	0.04	0.9	0.7	C	A*D	SOUTH OF ST AUBINS BAY
200590	100150.0	49.13	-2.12	391.0	-85.4	8.6	0.2	ST AUBINS BAY,JERSEY		8	7	309	0.03	0.4	0.4	C	A*D	SOUTH OF ST AUBINS BAY
010590	103258.7	49.12	-2.14	390.2	-86.4	7.1	0.1	ST AUBINS BAY,JERSEY		7	8	312	0.03	0.5	0.8	C	A*D	SOUTH OF ST AUBINS BAY
020590	102007.6	49.12	-2.14	389.8	-86.1	9.8	0.1	ST AUBINS BAY,JERSEY		5	7	323	0.01	0.5	0.7	C	A*D	SOUTH OF ST AUBINS BAY
060590	131916.8	49.12	-2.14	390.0	-86.6	7.2	-0.8	ST AUBINS BAY,JERSEY		6	8	312	0.03	0.6	1.2	C	A*D	SOUTH OF ST AUBINS BAY
300490	234410.5	49.12	-2.13	390.4	-86.5	7.7	1.1	ST AUBINS BAY,JERSEY		7	8	312	0.03	0.5	0.6	C	A*D	SOUTH OF ST AUBINS BAY
010590	000129.1	49.12	-2.13	390.4	-86.3	8.3	0.0	ST AUBINS BAY,JERSEY		8	8	312	0.06	0.8	0.8	C	A*D	SOUTH OF ST AUBINS BAY
010590	100754.9	49.12	-2.13	390.4	-86.1	8.4	0.2	ST AUBINS BAY,JERSEY		7	8	311	0.05	0.8	0.7	C	A*D	SOUTH OF ST AUBINS BAY
010590	174059.8	49.12	-2.13	390.6	-86.6	8.3	0.9	ST AUBINS BAY,JERSEY		8	8	313	0.05	0.7	0.7	C	A*D	SOUTH OF ST AUBINS BAY
010590	211643.2	49.12	-2.13	390.8	-86.6	8.8	-0.5	ST AUBINS BAY,JERSEY		8	8	314	0.05	0.7	0.7	C	A*D	SOUTH OF ST AUBINS BAY
010590	215100.4	49.12	-2.13	390.4	-86.2	8.4	1.0	ST AUBINS BAY,JERSEY		8	8	311	0.06	0.8	0.8	C	A*D	SOUTH OF ST AUBINS BAY
051090	082136.6	49.12	-2.13	390.3	-86.4	8.6	0.2	ST AUBINS BAY,JERSEY		8	8	312	0.05	0.7	0.7	C	A*D	SOUTH OF ST AUBINS BAY
191090	144741.1	49.11	-2.14	389.9	-87.3	8.9	1.2	ST AUBINS BAY,JERSEY		7	9	315	0.06	1.1	1.3	C	B*D	SOUTH OF ST AUBINS BAY
280590	025025.4	49.11	-2.13	390.2	-87.4	7.5	-0.2	ST AUBINS BAY,JERSEY		8	9	316	0.08	1.1	1.4	C	B*D	SOUTH OF ST AUBINS BAY

CATALOGUE OF EVENTS : 1990

Poorly located events

Date	HrMnSecs	Lat	Lon	KmE	KmN	Dep	Mag	Locality	Int	No	DM	Gap	RMS	ERH	ERZ	Q	SQD	Comments...
240190	1212							ANGLESEY - SONIC										FELT WYLFA & PEN-Y-FOEL
260290	115136.9	54.64	-6.00	141.7	534.2	0.1	1.6	BELFAST,N IRELAND		7	50	271	0.12	2.7	2.0	D	C*D	PROBABLE QUARRY
060390	094208.2	54.33	-0.50	497.7	493.6	0.3	2.1	SCARBOROUGH,N YORKS		9	75	251	0.19	3.6	3.6	D	C*D	OFFSHORE MINE DISPOSAL
290390	111210.7	56.01	-3.61	299.4	680.9	6.2	0.7	BONESS,CENTRAL		8	21	142	0.07	0.4	1.3	B	A*C	POSSIBLE EXPLOSION
290390	191747.0	56.01	-3.63	298.6	680.4	7.5	0.6	BONESS,CENTRAL		8	21	145	0.04	0.4	1.5	B	A*C	POSSIBLE EXPLOSION
300390	162116.5	56.01	-3.62	298.7	680.8	6.6	0.8	BONESS,CENTRAL		9	21	144	0.10	0.4	0.5	B	A*C	POSSIBLE EXPLOSION
050490	0213						0.2	BISHOP'S CASTLE,SHROPS										AFTERSHOCK
250490	1412							CUMBRIA - SONIC										FELT WORKINGTON,SEATON & SIDDICK
260490	002438.0			430.0	410.0		1.6	HUDDERSFIELD,W YORKS	2+									FELT HUDDERSFIELD, MACROSEISMIC LOCATION
010590	0911							ISLE OF MAN - SONIC										FELT ISLE OF MAN
040590	101519.3	51.02	1.47	643.3	130.3	5.0	1.7	DOVER,KENT		5	25	279	0.44	3.7	2.3	D	C*D	OFFSHORE,POSSIBLE UNDER-WATER EXPLOSION
060590	0127			332.0	650.0		-0.6	MOORFOOT HILLS,BORDERS										MAGNITUDE FROM VERTICAL
060690	2230							NORTH WALES - SONIC										FELT PORTHMADOG/PENRHYN-DEUDRAETH
200790	1203							NORTH WALES - SONIC										FELT PENRHYNDEUDRAETH
250790	1551							SKEGNESS - SONIC										FELT HUNSTANTON (NORFOLK) & SKEGNESS
070890	1346							ANGLESEY - SONIC										FELT ANGLESEY
070890	1757							NE ENGLAND - SONIC										FELT AT SEAHOUSES,ALNWICK & ASHINGTON
190890	102115.9	53.38	-3.23	318.4	387.6	0.2	1.2	LIVERPOOL BAY		22	47	127	0.23	0.8	4.1	C	B*C	CONFIRMED EXPLOSION
270890	0035							CORNWALL - SONIC										FELT HELSTON
020990	2332	54.70	-5.80	152.0	545.0			CARRICKFERGUS,ANTRIM	2+									FELT CARRICKFERGUS AREA, MACROSEISMIC LOCATION
170990	021410.8	52.04	-3.59	290.9	239.7	12.8	1.7	LLANDOVERY,POWYS		19	22	217	0.11	0.5	0.5	C	A*D	POSSIBLE EXPLOSION
051090	0629	54.70	-5.80	152.0	545.0		1.5	CARRICKFERGUS,ANTRIM	2+									FELT CARRICKFERGUS AREA, MACROSEISMIC LOCATION
141090	024455.7	50.41	-1.09	464.7	57.1	5.0	2.0	ENGLISH CHANNEL		7128	275	0.71	26.6	26.9	D	D*D	POSSIBLE MINE DISPOSAL, SOUTH OF PORTSMOUTH
261090	1155							CUMBRIA - SONIC										FELT BARROW-IN-FURNESS & ISLE OF WALNEY
121190	1335							ORKNEY - SONIC										FELT THROUGHOUT ORKNEY ISLANDS
161190	2008			441.0	409.0		1.3	GRIMETHORPE,S YORKS	2+									FELT GRIMETHORPE, MACROSEISMIC LOCATION
281190	1806							WEST MIDLANDS - SONIC										SUSPECTED SONIC,FELT IN BIRMINGHAM AREA
291190	0930							CLEVELAND - SONIC										FELT REDCAR,SALTBURN, SKELTON,BROTTON....
041290	0932							LOTHIAN - SONIC										FELT NORTH BERWICK
101290	213231.5	54.81	-5.38	183.0	551.7	0.1	1.1	NORTH CHANNEL		9	43	91	0.20	1.2	3.1	C	B*C	CONFIRMED MINE DISPOSAL
111290	1738			441.0	409.0		1.1	GRIMETHORPE,S YORKS	2+									FELT GRIMETHORPE, MACROSEISMIC LOCATION
111290	214609.0	56.21	-2.70	356.5	701.8	0.1	1.4	PITTENWEEM,FIFE		13	33	163	0.10	0.6	6.6	C	C*C	CONFIRMED MINE DISPOSAL
181290	1341			441.0	409.0		1.3	GRIMETHORPE,S YORKS	2+									FELT GRIMETHORPE, MACROSEISMIC LOCATION
201290	234951.5	56.14	-2.98	338.9	695.0	0.0	1.5	KIRKCALDY BAY,FIFE		8	28	140	0.06	0.4	8.7	C	C*C	UNDERWATER EXPLOSION

Table 4 : Geographical coordinates of seismograph stations operated by BGS, DIAS and Leeds University during 1990.

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agency
ABA	BACONSTHORPE	52.8875	1.1471	611.7	336.9	13	82-	1	BGS
AEA	E.ANGLIA UNIV	52.6208	1.2403	619.3	307.5	45	84-	m	BGS
APA	PACKWAY	52.2999	1.4779	637.1	272.6	35	84-	1	BGS
AWH	WHINBURGH	52.6299	0.9512	599.70	307.70	60	80-	1R	BGS
AWI	WITTON	52.8324	1.4460	632.1	331.7	35	83-	1	BGS
BUWY	BURN	53.7424	-1.0668	461.54	427.76	13	85-	1R	BGS
CBW	BUDOCK WATER	50.1482	-5.1144	177.525	32.29	98	81-	1	BGS
CCA	CARNMENELLIS	50.1864	-5.2277	169.62	36.87	213	81-	1	BGS
CCO	CONSTANTINE	50.1357	-5.1960	171.64	31.145	183	81-	1	BGS
CGH	GOONHILLY	50.0508	-5.1649	173.465	21.610	91	81-	1	BGS
CME	MENERDUE FARM	50.1760	-5.1903	172.238	35.608	178	82-	3	BGS
CPZ	PENZANCE	50.1560	-5.5835	144.065	34.655	198	81-	1	BGS
CR2	ROSEMANOWES 2	50.1669	-5.1687	173.7	34.5	152	81-	3	BGS
CRA	RAME	50.1648	-5.1921	172.060	34.363	198	82-	3	BGS
CRQ	ROSEMANOWES	50.1672	-5.1728	173.445	34.570	165	81-	SR	BGS
CSA	ST AUSTELL	50.3528	-4.8936	194.18	54.39	113	81-	1	BGS
CST	STITHIANS	50.1952	-5.1635	174.24	37.66	139	81-	1	BGS
CTR	TROLVIS QUARRY	50.1665	-5.1624	174.183	34.468	191	82-	3	BGS
CWF	CHARNWOOD FST	52.7382	-1.3071	446.78	315.88	152	75-	3R	BGS
DCO	COMBE FARM	50.3200	-3.8724	266.72	48.42	410	82-	1	BGS
DYA	YADSWORTHY	50.4352	-3.9309	262.89	61.33	280	82-	3	BGS
EAB	ABERFOYLE	56.1881	-4.3400	254.80	701.95	250	69-	1R	BGS
EAU	AUCHINOON	55.8444	-3.4547	308.92	662.20	350	69-	1R	BGS
EBH	BLACK HILL	56.2481	-3.5081	306.56	707.19	375	69-	1R	BGS
EBL	BROAD LAW	55.7733	-3.0436	334.54	653.82	365	69-	1R	BGS
ECK	CAULDKAINE HILL	55.1812	-3.1271	328.237	588.022	337	81-	1R	BGS
EDI	EDINBURGH	55.9233	-3.1861	325.89	670.66	125	69-	4R	BGS
EDR	DRUMTOCHTY	56.9184	-2.5404	367.18	780.96	388	89-	1R	BGS
EDU	DUNDEE	56.5475	-3.0142	337.65	739.95	275	69-	1R	BGS
ELO	LOGIEALMOND	56.4706	-3.7119	294.55	732.24	495	69-	1R	BGS
ESK	ESKDALEMUIR	55.3167	-3.2050	323.536	603.179	263	65-	4Rm	BGS
ESY	STONEYPATH	55.9177	-2.6144	361.603	669.569	328	81-	1R	BGS
GAL	GALLOWAY	54.8664	-4.7114	226.02	555.78	105	89-	3	BGS
GCD	CASTLE DOUGLAS	54.8638	-3.9417	275.395	553.845	189	89-	1	BGS
GCL	CUSHENDALL	55.076	-6.130	136.4	583.7	275	89-	1	BGS
GIM	N ISLE OF MAN	54.2923	-4.4670	239.458	491.345	366	89-	1	BGS
GMK	MULL OF KINTYRE	55.3459	-5.5936	172.18	611.65	160	89-	1	BGS
GMM	MTS OF MOURNE	54.239	-5.951	142.6	489.8	140	89-	1	BGS
HAE	ALDERS END	52.0376	-2.5475	362.45	237.88	224	82-	1	BGS
HCG	CRAIG GOCH	52.3224	-3.6567	287.1	270.7	511	80-	1R	BGS
HGH	GRAY HILL	51.6380	-2.8064	344.2	193.6	210	80-	1	BGS
HLM	LONG MYND	52.5169	-2.8878	339.8	291.4	259	84-	1	BGS
HPE	PEMBROKE *	51.9371	-4.7745	209.27	230.18	355	90-	1	BGS
HPK	HAVERAH PARK	53.9554	-1.6240	424.67	451.12	227	78-	4R	BGS
HSA	SWANSEA	51.7478	-4.1543	251.3	207.7	274	87-	1	BGS
HTL	HARTLAND	50.9944	-4.4850	225.636	124.667	91	81-	4Rm	BGS
HTR	TREWERN HILL	52.0790	-3.2697	313.0	243.1	329	82-	1	BGS
JLP	LES PLATONS	49.2428	-2.1039			131	81-	1	BGS
JRS	MAISON ST LOUIS	49.1924	-2.0917			53	81-	3R	BGS
JSA	ST AUBINS	49.1879	-2.1709			21	81-	1	BGS
JVM	VALLE D.L.MARE	49.2169	-2.2068			64	81	1	BGS
KAC	ACHNASHELLACH	57.4999	-5.2982	202.4	850.3	330	83-	1	BGS
KAR	ARISAIG	56.9175	-5.8302	166.9	787.2	225	83-	1	BGS

Table 4 : continued

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agency
KBI	BIRLEY GRANGE	53.2546	-1.5278	431.5	373.2	270	88-	1	BGS
KEY	KEYWORTH	52.8774	-1.0751	462.24	331.54	75	88-	L	BGS
KPL	PLOCKTON	57.3391	-5.6527	180.212	833.498	36	86-	4R	BGS
KSB	SHEIL BRIDGE	57.2098	-5.4230	193.3	818.4	70	83-	1	BGS
KSK	SCOVAL	57.4653	-6.7020	118.1	851.4	250	89-	1	BGS
KSY	SYSTON	52.9642	-0.5873	494.875	341.730	123	88-	1	BGS
KTG	TILBROOK GRANGE	52.3261	-0.4007	508.98	271.03	78	88-	1	BGS
KUF	UFFORD	52.6175	-0.3895	509.02	303.45	35	88-	1	BGS
KWE	WEAVER FARM	53.0163	-1.8435	410.5	346.6	320	88-	1	BGS
LBO	BOWLAND	53.9790	-2.5728	362.44	453.83	320	89-	1	BGS
LBH	MORECAMBE B102*	54.0324	-2.9058	340.68	460.00	-85	90-	1	BGS
LCK	CROOK	54.3595	-2.8715	343.37	496.36	200	89-	1	BGS
LDU	LEEDS UNIV	53.8025	-1.5553	429.350	434.450	230	83-	m	BGS
LKL	KIRKBY LONSDALE	54.2185	-2.5345	365.15	480.46	396	89-	3	BGS
LLO	LONGRIDGE	53.8503	-2.5598	363.18	439.51	247	89-	3	BGS
LLY	LYTHAM ST ANNES	53.7976	-2.9069	340.27	433.88	33	89-	1	BGS
LMB	MORECAMBE B110*	54.0259	-2.9058	340.67	459.28	-60	89-90	1	BGS
LMI	MILLOM	54.2206	-3.3070	314.79	481.35	140	89-	3	BGS
LMU	MORECAMBE MIC	54.0250	-2.9051	340.71	459.18	5	89-	m	BGS
LRW	LERWICK	60.1360	-1.1779	445.66	1139.27	100	78-	4R	BGS
MCD	COLEBURN DISTIL	57.5827	-3.2541	325.02	855.41	280	81-	4Rm	BGS
MCH	MICHAELCHURCH	51.9977	-2.9983	331.47	233.77	229	78-	4	BGS
MDO	DOCHFOUR	57.441	-4.363	258.17	841.43	366	81-	1	BGS
MFI	FISHRIE	57.6116	-2.2953	382.36	857.97	220	88-	1	BGS
MLA	LATHERON	58.305	-3.364	320.1	935.9	190	81-	1	BGS
MME	MEIKLE CAIRN	57.315	-2.965	341.9	825.3	455	81-	1	BGS
MVH	ACHVAICH	57.9232	-4.1816	270.8	894.7	198	84-	1	BGS
PCA	CARROT	55.700	-4.255	258.3	647.5	305	83-	1	BGS
PCO	CORRIE	55.988	-4.097	269.2	679.2	274	83-	1	BGS
PGB	GLENIFFERBRAES	55.810	-4.478	244.5	660.5	200	84-	3	BGS
PMS	MUIRSHIEL	55.846	-4.744	228.2	664.8	351	83-	1	BGS
SAN	SANDWICK	60.0176	-1.2386	442.44	1126.05	155	85-	1	BGS
SBD	BRYN DU	52.9055	-3.2588	315.35	335.01	497	80-	1	BGS
TBW	BRENTWOOD	51.6549	0.2911	558.4	197.8	82	89-	1	BGS
TCR	COLCHESTER	51.8349	0.9125	601.2	219.2	40	89-	1	BGS
TEB	EASTBOURNE	50.8188	0.1459	551.3	104.5	70	89-	1	BGS
TFO	FOLKESTONE	51.1136	1.1406	619.8	139.6	188	89-	1	BGS
TSA	SEVENOAKS	51.2427	0.1558	550.4	151.5	170	89-	1	BGS
WAL	WALLS	60.2576	-1.6133	421.40	1152.60	170	80-	1	BGS
WBR	BRONABER	52.8560	-3.8941	272.480	330.434	340	85-	1	BGS
WCB	CHURCH BAY	53.3782	-4.5465	230.630	389.864	135	85-	3	BGS
WFB	FAIRBOURNE	52.6830	-4.0378	262.266	311.465	325	85-	1	BGS
WFF	FFESTINIOG	52.9788	-3.9877	266.559	344.262	500	86-	Lm	BGS
WIM	ISLE OF MAN	54.1472	-4.6735	225.410	475.700	365	85-	1	BGS
WLC	LLYN CONWY	52.9956	-3.7788	280.630	345.765	440	85-	3	BGS
WLF	LLYNFAES	53.2893	-4.3966	240.266	379.636	65	85-	1	BGS
WME	MYNDD EILIAN	53.3966	-4.3034	246.862	391.367	130	85-	1	BGS
WPM	PENMAENMAWR	53.2583	-3.9049	272.942	375.197	350	85-	1	BGS
WST	STWLAN	52.975	-3.989	266.45	343.85	850	86-	1	BGS
WVR	VYRNWY	52.7974	-3.6051	291.795	323.448	580	85-	1m	BGS
XAL	ALLENDALE	54.8617	-2.2147	386.218	551.910	462	83-	1R	BGS
XDE	DENT	54.5058	-3.4897	303.554	513.315	291	83-	1R	BGS
XSO	SOURHOPE	55.4925	-2.2511	384.130	622.107	495	83-	1R	BGS

Table 4 : continued

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Yrs open	Comp	Agency
YEL	YELL	60.5509	-1.0830	450.29	1185.55	200	79-	1	BGS
YLL	LLANBERIS	53.1402	-4.1704	254.842	362.568	162	84-	1	BGS
YRC	RHOSCOLYN	53.2506	-4.5741	228.289	375.745	24	84-	1	BGS
YRE	YR EIFL	52.9810	-4.4254	237.186	345.418	197	84-	1	BGS
YRH	RHIW	52.8335	-4.6289	222.930	329.500	300	84-	1R	BGS
DCN	CROGHAN	53.3439	-7.2767			150	76-	1R	DIAS
DDK	DUNSINK OBS	53.3869	-6.3392			85		1R	DIAS
DLE	LYONS ESTATE	53.2872	-6.5436			140	80-	3R	DIAS
DKM	KILMASHOGUE	53.2553	-6.2644			280	76-	1R	DIAS
DMU	KINGSCOURT	53.8989	-6.9106			280	76-	1R	DIAS
ECB	CARRICKBYRNE	52.3661	-6.7811			125	81-	1R	DIAS
ECP	CARNSORE PT	52.1800	-6.3689			5		3R	DIAS
ETA	TARA HILL	52.6958	-6.2100			140		1R	DIAS
BMY	BINGLEY MOOR	53.8708	-1.8193	411.88	441.66	240	83-	1R	LDS
HHWY	HIGH HOYLAND	53.5867	-1.5973	426.65	410.11	205	83-	1R	LDS
OXWY	OXENHOPE MOOR	53.7908	-1.9798	401.33	432.74	438	83-	1R	LDS

* LBH replaced LMB 16 January 1990
* HPE installed 8 September 1990

Agency codes:

BGS	British Geological Survey
DIAS	Dublin Institute of Advanced Studies
LDS	University of Leeds

Component codes:

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

KEY TO PHASE DATA ENCODING FORMAT

General description:

The format of the seismic data presented here was originally designed to allow direct entry onto a computer coding form. The system is described by Browitt (1985). Each line is coded according to the flag in column 80. Lines with 1, 2 or 3 in column 80 give epicentral details; those with a blank in column 80 contain phase information.

Epicentral details (1,2 or 3 in column 80):

```
.        1         2         3         4         5         6         7         8
12345678901234567890123456789012345678901234567890123456789012345678901234567890
DyMoYrNetwork....Tape..SLoc...EventSec.. Ccor DekReader.TLocality.............1
      HrMnSe:c. Grid:e./Grid:n. Dep:h M:l B:* M:b M:s Io. Lat:...N Lon:...E   2
No.DM. GapRm:s.Erh:.Erz:. Q SQD Comments.....................................3
CodeCoHrMnSec1..Amp1.CP1QIUSec2..Amp2.CP2QIUAmp.CPer.MtAmp.CPer.MtJetpAmodPDist
12345678901234567890123456789012345678901234567890123456789012345678901234567890
```

Line 1:

DyMoYr	:Event date....Day, Month, Year.
Network	:Name of network, eg LOWNET.
Tape	:Analogue tape number on which event is recorded eg LN123.
S	:Tape side when two sided recording selected eg 1 or 2.
Loc	:Tape footage of event eg 1200.
Event	:Event number on that tape eg 20.
Sec	:Second length of jet-pen playout in mm, eg 12.
Ccor	:Seconds error of internal clock (absolute minus clock time) eg -0.23.
Dek	:Gain of replay deck eg 5.0.
Reader	:Name of analyst.
T	:Event type. Earthquake.. L=Local, R=Regional, T=Teleseism, E=unknown Explosion... Q=Quarry, D=up to 10deg, A=further than 10deg U=Unknown, S=Sonic
Locality	:Closest generally known place or area, followed by region.

Line 2: (: in field indicates decimal point)

HrMnSe:c	:Hours, minutes and seconds of the origin time.
Grid:e./ Grid:n	:Kilometres east an north of the National grid origin.
Dep:h	:Depth of event in kilometres. (valid for A and possibly B quality events).
M:l	:Richter local magnitude obtained from the method described in the Manual of Seismological Observatory Practice (MSOP).
B:*	:MB* ,An approximation to MB as determined using stations at closer ranges (paragraph 3.3.2 in MSOP).
M:b	:Body wave magnitude determined using the method described in MSOP.
M:s	:Surface wave magnitude determined using the method descibed in MSOP.
Io	:Maximum MSK intensity. 2+ indicates felt, no macroseismic details. 3+, 4+ etc indicates felt at MSK 3 or 4, but no survey carried out. 3,4,5 etc describes the maximum MSK intensity produced by the event
Lat:...	:Latitude of event in degrees and decimal degrees, positive is north
N	:(N) North or (S) South. Only inserted if no Lat sign convention +/- is in use.
Lon:...	:Longitude of event in degrees and decimal degrees, negative is west
E	:(E) East or (W) West. Only inserted if no Lon sign convention +/- is in use.

Line 3:

No.DM. GapRm:s.Erh:.Erz:.Q SQD : HYP071 output, see catalogue abbreviations

Comments :Descriptive remarks about felt area and other items of interest.

Phase data (column 80 blank):

Code :Station code eg EAB.
Co :Component, Z=Vertical, NS=North-South, EW= East-West.
HrMn :Time datum, Hours and Minutes for phase arrivals. -1 in Hr column indicates the end of the event.
Sec1 :Seconds to the first arrival. For local events this is either PN or PG. Subsequent P arrivals are not usually read as the location program HYP071 does not require them.
Amp1 :Trace amplitude (mm) of first motion of this arrival, for 3-component set.
C :Amp1 is H: half peak-peak, C: centre-peak, F or blank: peak-peak A:log(ground amplitude in millimicrons)
P1 :Phase, normally P (= PN or PG) but any MSOB code possible.
Q :HYPO weighting factor to arrival. 0 or blank= full weighting to 4= zero weighting (ignore). 9= use P-S interval only for this line.
I :I=Impulsive (onset read better than 0.1s) or E=emergent (worse than 0.1s)
U :U=First motion up/compression or D=down/dilation.
Sec2..Amp2.CP2QIU: As for first arrival, but usually referring to S phase(SN,SG)
Amp :Trace amplitude in millimetres at the relevant part of the phase train for the magnitude type indicated in Mt.
ML:largest amplitude in trace, MB*: Maximum in P-phase.
MB:Maximum in first 25 seconds,MS: Rayleigh phase (Z,long period)
M :Equivalent to ML, but not used in the magnitude calculation.
C :As previous
Per :Period (secs) of Amp.
Mt :Magnitude type... ML ,B*, MB, MS.
Amp.CPer.Mt: As previous
Jetp :Jet pen sensitivity in volts/cm used on playout eg 0.25,1.0,2.5,10.0
Amod :Amplifier-modulator gain. Normally 100, 200, 400. Low-gain devices usually have a gain of 4.
P :If there is a polarity reversal in the system, this column=1.
Dist :Distance in kilometres to event from station.

```
030190KEYWORTH   KW 087                          5.0NSH    LTHORESBY,NOTTS        1
       5 557.16  460.26/ 368.00   2.7 1.0                2+   53.205   -1.098    2
  4 29 274 0.09  0.0  0.0 C A*D COALFIELD TYPE,FELT       THORESBY               3
CWF Z 050606.60       P 3E 13.65       S 1I                                     54
CWF NS0506                                  11.0H0.10ML          0.25 200      54
CWF EW0506                                  06.0H0.15ML          0.25 200      54
KWE Z 050606.90       P 3E                                                     54
KBI Z 050602.50       P 2I                                                     29
      -1
030190 ESK       ES 454           12.5       5.0DG     LJOHNSTONEBRIDGE,D & G 1
       2132 3.83  307.71/ 594.86   3.5-0.7                55.239   -3.452    2
  4 18 314 0.02  0.0  0.0 C A*D                                                3
ESK Z 213207.31       P 0IU09.91       S 2                                      18
ESK NS2132                                   3.0H0.08ML          0.25 200      18
ESK EW2132                                   2.3H0.08ML          0.25 200      18
ECK Z 213208.00       P 1E 10.97       S 1                                      22
      -1
050190LANCS+     LA 024            12.5       5.0JAR    LSETTLE,N YORKSHIRE    1
       102859.54  386.23/ 463.95   5.7 0.6                54.071   -2.211    2
  8 26 161 0.11  0.8  1.2 B A*C                                                3
LBO Z 102904.42       P 0IU                                                    26
LKL Z 102904.75       P 2ED08.07       S 2                                      27
LLO Z 102905.70       P 2ED                                                    34
LCK Z 102909.17       P 2E 15.35       S 3                                      54
LMI Z 1029              4  20.98       S 3                                      74
LMI NS1029                                   2.1H0.11ML          0.25 200      74
LMI EW1029                                   1.9H0.17ML          0.25 200      74
HPK Z 1029                12.08       S 2                                      41
      -1
050190LANCS+     LA 024            12.5       5.0JAR    LWARRINGTON,CHESHIRE   1
       221232.76  363.50/ 392.91   0.2 1.4                53.431   -2.549    2
 12 47 125 0.16  0.8  1.5 C B*C COALFIELD TYPE,NORTHEAST  OF WARRINGTON        3
LLO Z 221241.21       P 2ED47.60       S 3                                      47
LLY Z 221241.22       P 3E                                                     47
LBO Z 221243.48       P 2EU                                                    61
LKL Z 221248.05       P 2E                                                     88
LMI Z 221250.23       P 3E 62.92       S 3                                     101
LMI NS2212                                  13.0H0.18ML        0.25  200     101
LMI EW2212                                  14.2H0.20ML         .25  200     101
LCK Z 221250.90       P 3E 63.38       S 3                                     105
HPK Z 221248.16       P 4E 58.37       S 3                                      85
CWF Z 2212              4  65.98       S 3                                     114
CWF NS2212                                   4.6H0.19ML          .25  200     114
CWF EW2212                                   6.0H0.17ML          .25  200     114
SBD Z 221244.92       P 4E                                                     75
WCB Z 2212              4                                                     133
WCB NS2212                                   2.0H0.20ML          .25  200     133
WCB EW2212                                   2.0H0.22ML          .25  200     133
WPM Z 221248.76       P 3E                                                     92
      -1
060190 PAISLEY+  PA 294            12.5       5.0DG/DWR LMILNGAVIE,STRATHCLYDE 1
       231515.15  250.95/ 678.32   5.4 2.2              4+   55.975   -4.389    2
 21 18 130 0.09  0.2  0.6 B A*C FELT STRATHBLANE,BEARSDEN & MILNGAVIE           3
PCO Z 231518.85       P 0IU21.65       S 2ED                                    18
PMS Z 231520.20       P 0IU23.70       S 1IU                                    26
PCA Z 231520.99       P 1ID25.21       S 2EU 7.0H0.35M          2.5 200         32
EAB Z 231519.73       P 0IU22.92       S 2ED13.5H0.09M          2.5 200         24
EAU Z 231525.63       P 0IU                  4.9H0.19M          2.5 200         60
EBH Z 231525.85       P 0IU33.40       S 3E  5.0H0.29M          2.5 200         63
ELO Z 231526.82       P 1IU35.40       S 3E                                     69
EDI Z 231527.86       P 2EU37.01       S 3E  3.8H0.15M          2.5 200         76
EDI NS2315              ED               E  7.7H0.15ML         2.5 200         76
EDI EW2315              EU               E  6.0H0.20ML         2.5 200         76
EBL Z 231529.74       P 1IU40.02       S 3E                                     87
EDU Z 231532.76       P 2ED45.30       S 3E                                    106
ESY Z 231533.40       P 2EU46.72       S 3E                                    111
MDO Z 231541.31       P 1E 60.10       S 3E                                    163
MME Z 231543.00       P 2E                                                     173
MCD Z 231544.90       P 2E                                                     192
MCD NS2315              E                E  4.0H0.12ML         1.0 200         192
MCD EW2315              E                E  4.0H0.13ML         1.0 200         192
MFI Z 231548.40       P 3E                                                     223
MVH Z 2315               71.80       S 3E                                     217
      -1
070190KEYWORTH   KW 087                          5.0NSH    LTHORESBY,NOTTS        1
       12833.24  463.31/ 369.81   3.4 1.1              2+   53.221   -1.052    2
  6 32 216 0.11  2.7  5.3 D C*D COALFIELD TYPE,FELT       THORESBY               3
CWF Z 012843.31       P 3E 50.3        S 1I                                     56
CWF NS0128                                  11.5H0.09ML          0.25 200      56
CWF EW0128                                  07.0H0.15ML          0.25 200      56
KSY Z 012841.5        P 3E                                                     42
KWE Z 012843.4        P 3E                                                     58
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KBI Z 012839.1        P 2E                                                32
KUF Z 012846.75       P 2E                                                81
     -1
080190N WALES                                  5.0RITCHIELCRICCIETH,GWYNEDD     1
       44738.18  251.66/ 339.99  11.7 1.0                 52.937   -4.208     2
 11 15 259 0.09  0.7  1.0 C A*D                                               3
WCB Z 044747.40       P 1IU54.03       S 3                                  54
WCB NS0447                                3.5 H0.06ML          1.0  200     54
WCB EW0447                                3.5 H0.07ML          1.0  200     54
YRC Z 044745.51       P 1ID50.70       S 3                                  43
YRE Z 044741.51       P 1IU                                                 15
WPM Z 044745.40       P 1IU                                                 41
WLF Z 044745.30       P 1ID50.22       S 1                                  41
YLL Z 044742.51       P 1ID45.42       S 2                                  23
WIM Z 044760.60       P 3E                                                138
     -1
090190 PAISLEY+  PA 294          12.5       5.0DG     LMILNGAVIE,STRATHCLYDE 1
       12112.94  250.77/ 679.00   3.4 1.2                 55.981   -4.392     2
 10 18 132 0.12  0.5  2.6 C B*C AFTERSHOCK                                    3
PCO Z 012116.60       P 1IU19.42       S 3                                  18
PMS Z 012118.01       P 2EU21.56       S 2  6.7H0.14M          0.25 200     27
PCA Z 012118.81       P 3E 22.51       S 3                                  32
KPL Z 012142.98       P 3E 63.48       S 3E                                170
KPL NS0121                               3.0H0.16ML          0.25 200     170
KPL EW0121                               5.0H0.12ML          0.25 200     170
KAR Z 012138.40       P 3E 54.68       S 3E                                137
KAC Z 0121               66.56         S 3E                                178
EAB Z 012117.31       P 2E 20.51       S 2E                                 23
EBH Z 012123.59       P 3E                                                  63
ELO Z 012124.91       P 2E                                                  69
EDI Z 012125.90       P 4E 36.98       S 4E  1.7H0.11M          0.25 200     76
EDI NS0121               E                E  4.6H0.12ML         0.25 200     76
EDI EW0121               E                E  3.6H0.21ML         0.25 200     76
     -1
090190 LOWNET=   LN 678           12.5       5.0DWR    LGLEN LYON,TAYSIDE      1
       192059.14  255.77/ 752.34   7.6 2.5              4+   56.641   -4.352     2
 28 44 119 0.28  0.8  2.1 C B*C FELT LOCH RANNOCH & GLEN  LYON                 3
ELO Z 192106.38       P 0IU11.60       S 3E                                 44
EAB Z 192107.41       P 0IU13.50       S 3E                                 50
EBH Z 192110.65       P 0IU18.70       S 3E                                 68
PCO Z 192111.50       P 0IU23.39       S 3E                                 74
EDU Z 192113.01       P 0IU22.69       S 2E                                 83
PMS Z 192114.67       P 2E 28.01       S 4E                                 92
PCA Z 192116.19       P 2E 30.77       S 3E                                105
EAU Z 192116.39       P 2E                                                 105
MDO Z 192113.60       P 1EU24.20       S 3E                                 89
EDI Z 192116.68       P 2E 29.60       S 2E  3.7H0.21M          2.5 200     108
EDI NS1921               E                E  4.9H0.22ML         2.5 200     108
EDI EW1921               E                E  7.8H0.22ML         2.5 200     108
KPL Z 192117.41       P 2E 30.12       S 3E                                111
KPL NS1921               E                E 12.5H0.12ML         2.5 200     111
KPL EW1921               E                E  6.0H0.12ML         2.5 200     111
MME Z 192117.58       P 1ED                                                113
MCD Z 192119.51       P 1EU33.62       S 3E                                124
MCD NS1921               E                E 7.5 0.11 ML         2.5 200     124
MCD EW1921               E                E 7.0 0.10 ML         2.5 200     124
EBL Z 192119.98       P 2EU35.25       S 3E                                126
ESY Z 192121.00       P 1IU36.28       S 3E                                134
MVH Z 192121.70       P 1ED38.50       S 3E                                143
     -1
100190HEREFORD   HF 554           12.5       5.0NSH    LCAERLEON,GWENT         1
        735 0.10  334.50/ 192.58  19.2 1.7                 51.628   -2.946     2
  6 10 244 0.09  1.9  1.8 C B*D                                               3
MCH Z 073507.54       P 2ED13.28       S 1I                                 41
MCH NS0735                               09.0H0.10ML         2.5  200     41
MCH EW0735                               09.0H0.09ML         2.5  200     41
HAE Z 073509.35       P 1IU                                                 53
HCG Z 073515.31       P 2ED                                                 91
HGH Z 073503.80       P 1IU                                                 10
HTR Z 073509.50       P 1ID                                                 55
     -1
130190LANCS+     LA 025           12.5       5.0JAR    LCULCHETH,W MANCHESTER 1
        417 0.67  367.70/ 394.90   0.5 1.3                 53.450   -2.486     2
 14 45  93 0.20  0.9  1.5 C B*C COALFIELD TYPE                                3
LLO Z 041708.60       P 3E                                                  45
LLY Z 041709.02       P 3E 15.01       S 4                                  48
LBO Z 041711.10       P 3E                                                  59
LKL Z 041715.77       P 3E                                                  86
LMI Z 041718.10       P 3E 30.89       S 3                                 101
LMI NS0417                                6.6H0.18ML          0.25 200     101
LMI EW0417                                7.6H0.28ML          0.25 200     101
LCK Z 041718.39       P 3E                                                 104
HPK Z 041715.01       P 3E 24.82       S 2                                  80
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SBD Z 041714.54        P 3E                                                  80
KWE Z 041712.23        P 3E                                                  65
CWF NS0417                                  3.8H0.27ML          0.25 200  112
CWF EW0417                                  3.9H0.21ML          0.25 200  112
WVR Z 041718.25        P 3E                                                 104
WLC Z 041718.02        P 3E                                                 100
WLC NS0417                                  1.7H0.28ML          0.25 200  100
WLC EW0417                                  2.3H0.24ML          0.25 200  100
WPM Z 041717.30        P 3E                                                  97
CWF Z 041721.40        P 4                                                  112
     -1
150190KEYWORTH   KW 088                        5.0NSH    LTHORESBY,NOTTS      1
       234912.33  461.07/ 366.35   0.6 1.2             2+   53.190   -1.086   2
  4 42 238 0.01  0.0  0.0 C A*D COALFIELD TYPE,FELT      THORESBY             3
CWF Z 234922.00        P 3E 29.10       S 1I                                 53
CWF NS2349                                 17.0H0.10ML          0.25 200   53
CWF EW2349                                 10.5H0.15ML          0.25 200   53
KSY Z 234920.24        P 2I                                                  42
KWE Z 234922.28        P 2E                                                  54
     -1
160190LANCS+     LA 025             12.5      5.0JAR    LCULCHETH,W MANCHESTER 1
        6 036.67  368.48/ 397.69   1.0 1.3                53.475   -2.475    2
 12 42  90 0.19  0.9  1.4 C B*C COALFIELD TYPE                               3
LLO Z 060044.53        P 3E                                                  42
LLY Z 060044.71        P 3E                                                  46
LBO Z 060046.73        P 3E                                                  57
LKL Z 060051.22        P 3E                                                  83
LMI Z 060053.72        P 3E 66.28       S 3                                 100
LMI NS0600                                  7.0H0.20ML          0.25 200  100
LMI EW0600                                  7.6H0.28ML          0.25 200  100
LCK Z 060054.40        P 3E                                                 102
HPK Z 060050.23        P 3E 59.90       S 3                                  78
CWF Z 060057.82        P 4  69.69       S 3                                 113
CWF NS0600                                  3.5H0.21ML          0.25 200  113
CWF EW0600                                  4.5H0.19ML          0.25 200  113
SBD Z 060051.01        P 3E                                                  82
WLC Z 060053.68        P 3E                                                 102
WLC NS0600                                  2.2H0.21ML          0.25 200  102
WLC EW0600                                  2.5H0.20ML          0.25 200  102
     -1
180190N WALES                                5.0RITCHIELLLEYN,GWYNEDD        1
        0 638.64  240.02/ 343.16  22.0 1.8          3+   52.962   -4.382    2
 20  4  86 0.08  0.3  0.6 A A*A AFTERSHOCK,FELT PWLLHELI  & LLANBERIS        3
WCB Z 000647.13        P 2E 52.88       S 2                                  48
WCB NS0006                                   6.5 H0.06ML          2.5  200  48
WCB EW0006                                  10.0H0.06ML          2.5  200  48
YRC Z 000645.25        P 1ID49.90       S 2                                  35
YRE Z 000642.29        P 1ID                                                  4
WPM Z 000646.81        P 2IU52.49       S 3                                  46
WLF Z 000645.40        P 1ID50.14       S 1                                  37
WIM Z 000659.80        P 3E                                                 133
YLL Z 000643.93        P 1ID47.63       S 2                                  24
WLC Z 000646.15        P 1IU51.42       S 1                                  41
WLC NS0006                                   5.0 H0.06ML          10.0 200  41
WLC EW0006                                   5.0 H0.11ML          10.0 200  41
YRH Z 000643.70        P 1IU                                                 22
WVR Z 000648.28        P 1IU                                                 55
WBR Z 000645.20        P 1ID49.85       S 1                                  35
WST Z 000644.26        P 1ID                                                 26
WFB Z 000645.74        P 2E                                                  39
     -1
180190N WALES                                5.0RITCHIE LLEYN,GWYNEDD        1
       74525.10  238.02/ 348.28  14.2 1.0           2+   53.007   -4.414    2
 19  3 122 0.10  0.3  0.6 B A*B FELT LLANBERIS                               3
WCB Z 074532.55        P 2E 37.50       S 1                                  42
WCB NS0745                                   9.3 H0.06ML          0.25 200  42
WCB EW0745                                   9.5 H0.10ML          0.25 200  42
YRC Z 074530.57        P 1ID34.35       S 2                                  29
YRE Z 074527.55        P 1ID                                                  3
WPM Z 074532.80        P 1IU                                                 44
WLF Z 074530.53        P 2E 34.50       S 2                                  31
WLC Z 074532.64        P 2E 37.85       S 1                                  43
YLL Z 074529.50        P 1IU32.24       S 1                                  22
WLC NS0745                                  11.0H0.09ML          1.0  200  43
WLC EW0745                                   8.1 H0.10ML          1.0  200  43
YRH Z 074529.76        P 1IU                                                 24
WVR Z 074535.00        P 3E                                                  59
WBR Z 074531.92        P 1IU36.59       S 1                                  39
WST Z 074530.40        P 1IU34.20       S 1                                  29
WFB Z 074532.62        P 3E                                                  44
     -1
180190 PAISLEY+  PA 296             12.5      5.0DG     LMILNGAVIE,STRATHCLYDE 1
       113442.61  250.36/ 678.48   2.4 1.0                55.976   -4.398    2
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 12 19 133 0.08  0.3  0.5 B A*C AFTERSHOCK                                    3
PCO Z 113446.26       P 0IU49.15       S 3                                  19
PGB Z 113446.36       P 1ID48.95       S 3                                  19
PGB NS1134                                  14.5H0.15ML          1.0  200   19
PGB EW1134                                  11.1H0.12ML          1.0  200   19
PMS Z 113447.52       P 2EU51.13       S 2                                  26
EAB Z 113447.19       P 2E 50.48       S 2E                                 24
EAU Z 113453.40       P 2EU                                                 61
EBH Z 113453.40       P 2EU59.15       S 2E                                 63
ELO Z 113454.47       P 3E                                                  70
EDI Z 113455.60       P 4E 65.48       S 3E  3.8H0.25M          0.25 200   76
EDI NS1134               E                E  5.3H0.17ML          0.25 200   76
EDI EW1134               E                E  4.7H0.19ML          0.25 200   76
     -1
180190 LOWNET    LN 680             12.5      5.0DWR    LBLAIRHALL,FIFE       1
       151928.38  298.53/ 692.61   0.2 1.5                56.114   -3.632    2
 11 17 121 0.10  0.4  0.6 B A*C COALFIELD TYPE                                 3
EBH Z 151932.10       P 0IU34.70       S 2EU                0.25 200   17
EAU Z 151934.59       P 2EU39.66       S 3E                                  32
EDI Z 151935.15       P 2EU40.22       S 2E  6.4H0.38M          0.25 200   35
EDI NS1519               E                EU15.1H0.55ML          0.25 200   35
EDI EW1519               E                EU11.5H0.90ML          0.25 200   35
ELO Z 151936.10       P 2EU42.00       S 3E                                  40
EAB Z 151936.78       P 3E 43.00       S 3E                                  45
EBL Z 151938.95       P 3E 45.39       S 3E                                  53
     -1
180190LANCS+     LA 026             12.5      5.0JAR    LCULCHETH,W MANCHESTER 1
       1920 3.00  369.18/ 392.57   1.0 1.2                53.429   -2.464    2
  8 47 284 0.11  4.0  2.2 D C*D COALFIELD TYPE                                 3
LLO Z 192011.65       P 3E                                                  47
LBO Z 192013.92       P 3E                                                  62
LKL Z 192018.30       P 3E                                                  88
LMI Z 192020.80       P 3E 33.40       S 3                                 104
LMI NS1920                                  5.1H0.19ML          0.25 200   104
LMI EW1920                                  6.7H0.28ML          0.25 200   104
LCK Z 192021.27       P 3E                                                 107
HPK Z 192016.93       P 3E 27.24       S 3                                  81
MCH Z 1920            P 4                                                  163
MCH NS1920                                  2.6H0.07ML          0.25 200   163
MCH EW1920                                  1.5H0.12ML          0.25 200   163
WCB Z 1920            P 4                                                  139
WCB NS1920                                  1.2H0.28ML          0.25 200   139
WCB EW1920                                  1.2H0.27ML          0.25 200   139
     -1
190190KEYWORTH   KW 089             12.5      5.0NSH    LTHORESBY,NOTTS       1
       25356.36  462.97/ 368.67   3.1 1.2             2+   53.211   -1.057    2
  4 42 244 0.01  0.0  0.0 C A*D COALFIELD TYPE,FELT      THORESBY              3
CWF Z 025406.10       P 3E 13.15       S 1I                                 55
CWF NS0254                                 15.6H0.09ML          0.25 200   55
CWF EW0254                                 08.5H0.15ML          0.25 200   55
KSY Z 025403.90       P 3E                                                  42
KWE Z 025406.30       P 3E                                                  57
     -1
190190 ESK+      ES 457             12.5      5.0DG     LTWEEDSMUIR,BORDERS   1
       132050.25  309.31/ 624.25   6.9 0.8                55.504   -3.436    2
 12 25 172 0.17  1.7  3.2 C B*C                                               3
ESK Z 132055.01       P 2E 58.48       S 3                                  25
ESK NS1320                                  5.0H0.10ML          1.0  200   25
ESK EW1320                                  5.6H0.08ML          1.0  200   25
ECK Z 132057.50       P 1ED62.65       S 3                                  41
XSO Z 132103.28       P 1IU                                                 75
EBL Z 132057.09       P 0IU62.04       S 2E                                 39
EDI Z 132058.91       P 3E 64.39       S 2E  3.5H0.18M          0.25 200   49
EDI NS1320               E                E  6.0H0.20ML          0.25 200   49
EDI EW1320               E                E  6.0H0.20ML          0.25 200   49
ESY Z 132102.19       P 1IU10.50       S 2E                                 69
EAB Z 132106.10       P 3E                                                  95
ELO Z 132108.18       P 2E 20.80       S 3E                                109
     -1
220190GALLOWAY+  GL010              12.5      5.0LY     JOHNSTONEBRIDGE,D & G 1
       71829.78  304.56/ 592.58   2.5 1.2                55.218   -3.500    2
 21 22  83 0.42  0.9  1.4 C C*C                                               3
GAL Z 071844.58       P 1IU54.59       S 2                  0.25 200   87
GCD Z 071838.30       P 1IU44.10       S 2                                  49
GCL Z 071857.69       P 4E                                                 169
GMK Z 071851.95       P 3E                                                 134
GIM Z 0718            P 4  64.65       S 4                                 120
LCK Z 071847.85       P 3ED60.99       S 3                                 104
LMI Z 071849.19       P 3E 62.23       S 3                                 112
LMI NS0718                                 7.30H0.12ML          0.25 200   112
LMI EW0718                                 7.40H0.10ML          0.25 200   112
LKL Z 071851.85       P 4E 66.70       S 3                                 128
LBO Z 071855.67       P 4E                                                 150
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GAL EW0718                                    14.0H0.07ML          0.25 200   87
PGB Z 071844.98       P 3E 56.11       S 3                                    90
PGB NS0718                                    11.0H0.14ML          0.25 200   90
PGB EW0718                                    13.4H0.10ML          0.25 200   90
PCO Z 071846.18       P 3E 57.68       S 3                                    94
PMS Z 071847.70       P 2E 59.96       S 2                                   105
ESK Z 071833.86       P 0IU36.42       S 1                                    22
ESK NS0718                                    16.5H0.08ML          1.0  200   22
ESK EW0718                                    12.3H0.08ML          1.0  200   22
ECK Z 071834.48       P 0IU37.41       S 2                                    24
XSO Z 071844.20       P 3E                                                    85
     -1
220190 ESK       ES 457            12.5       5.0DG     LJOHNSTONEBRIDGE,D & G 1
       74640.06  310.04/ 594.67   1.1-0.1                  55.238   -3.415    2
  4 16 308 0.01  0.0  0.0 C A*D                                               3
ESK Z 074643.47       P 1IU46.00       S 2                                    16
ESK NS0746                                    10.9H0.10ML          0.25 200   16
ESK EW0746                                     7.6H0.11ML          0.25 200   16
ECK Z 074644.08       P 0ID46.98       S 1                                    19
     -1
230190 ESK       ES 457            12.5       5.0DG     LJOHNSTONEBRIDGE,D & G 1
       231739.49  311.20/ 594.70   1.2 0.0                  55.238   -3.397    2
  4 15 304 0.09  0.0  0.0 C A*D                                               3
ESK Z 231742.64       P 0IU45.23       S 1                                    15
ESK NS2317                                    13.7H0.10ML          0.25 200   15
ESK EW2317                                    10.0H0.10ML          0.25 200   15
ECK Z 231743.25       P 0ID46.17       S 2                                    18
     -1
250190 LOWNET    LN 681    268      12.5       5.0DWR    LGLEN OGLE,CENTRAL     1
       34820.23  256.32/ 728.06   2.0 0.7                  56.423   -4.330    2
  7 26 259 0.10  1.4  1.1 C B*D                                               3
EAB Z 034825.20       P 2E                                                    26
ELO Z 034827.30       P 1IU32.35       S 2E                                   39
EBH Z 034830.17       P 2EU37.37       S 2E                                   55
EDU Z 034834.69       P 3E 45.00       S 3E                                   82
EDI Z 034834.59       P 4E 46.95       S 3E  1.0H0.11M      0.25 200   90
EDI NS0348               E                E  1.7H0.14ML     0.25 200   90
EDI EW0348               E                E  1.2H0.19ML     0.25 200   90
     -1
260190 LOWNET+   LN 681    736      12.5       5.0DWR/PCMLCOLONSAY,STRATHCLYDE  1
       134230.85 115.32/ 687.84   9.2 3.0            4+    55.999   -6.567    2
 18112 278 0.21  2.0  3.1 C B*D FELT ON COLONSAY (4 MSK) & IONA (2 MSK)        3
KAR Z 134249.01       P 1ED62.33       S 3E                                  112
EAB Z 134252.70       P 1ID67.38       S 3E 10.3H0.12M       2.5 200  140
KPL Z 134256.12       P 3E                                                   159
KPL NS1342               E                E  7.2H0.19ML     2.5 200  159
KPL EW1342               E                E  9.0H0.18ML     2.5 200  159
ELO Z 134258.41       P 3E 79.45       S 3E  7.9H0.21M       2.5 200  185
EBH Z 134259.41       P 2ED81.76       S 3E  3.9H0.32M       2.5 200  192
EAU Z 134259.99       P 2EU82.25       S 3E                                  195
MDO Z 134301.60       P 2E 24.31       S 3E                                  210
EDI Z 134302.20       P 3E 24.51       S 2E  7.3H0.20M       1.0  200  211
EDI NS1343               E               EU11.9H0.31ML      1.0  200  211
EDI EW1343               E                E 11.9H0.29ML     1.0  200  211
EBL Z 134303.51       P 2E 31.11       S 3E                                  222
EDU Z 134303.60       P 2E 31.98       S 3E                                  228
ESY Z 134306.44       P 2E                                                   247
PMS Z 134249.89       P 1IU63.72       S 3E                                  115
PGB Z 134251.90       P 2E 67.21       S 2E  3.5H0.21M      10.0 200  132
MCD Z 134308.31       P 1EU36.50       S 3E                                  269
MCD NS1343               E                E 10.5H0.20ML     1.0  200  269
MCD EW1343               E                E  8.7H0.28ML     1.0  200  269
PCA Z 134254.41       P 3E 71.79       S 3E  3.7H0.19M      10.0 200  149
PCO Z 134254.50       P 3E 72.70       S 3E  4.5H0.20M      10.0 200  154
     -1
260190HEREFORD+  HF 556             12.5       5.0NSH    LBUCKINGHAM,BUCKS      1
       20 956.92  470.17/ 233.63  16.3 2.1                 51.996   -0.978    2
 10 54 205 0.19  1.2  2.2 C B*D                                               3
MCH Z 201018.98       P 1ID34.78       S 1I                                  139
MCH NS2010                                    15.5H0.08ML          2.5  200  139
MCH EW2010                                    11.4H.010ML          2.5  200  139
HAE Z 201014.41       P 1ID26.85       S 1I                                  108
HGH Z 201018.12       P 3E                                                   132
HTR Z 201021.20       P 2E 39.44       S 2I                                  158
CWF Z 201011.35       P 1ID21.00       S 1I                                   85
CWF NS2010                                    05.5H0.10ML          2.5  200   85
CWF EW2010                                    12.0H0.10ML          2.5  200   85
KTG Z 201006.15       P 1I                                                    54
     -1
010290KEYWORTH   KW 091            12.5       5.0NSH    LTHORESBY,NOTTS        1
        41230.89  456.41/ 366.59   4.7 1.0                  53.193   -1.156    2
  4 26 266 0.30  0.0  0.0 C B*D COALFIELD TYPE                                 3
CWF Z 041239.4        P 3E 46.46       S 2E                                   52
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CWF NS0412                                    10.0H0.12ML          0.25 200   52
CWF EW0412                                    11.0H0.10ML          0.25 200   52
KWE Z 041239.65       P 3E                                                     50
KBI Z 041235.21       P 2E                                                     26
     -1
010290 CORNWALL                                 5.0ABW    LLANDS END,CORNWALL    1
       64540.08  130.56/  -1.88   5.0 0.8                  49.822   -5.747     2
  7 39 326 0.05 10.7 23.7 D D*D SOUTHWEST OF LANDS END                          3
CPZ Z 064547.12       P 2                                                      39
CCO Z 064549.26       P 1 D                                                    53
CCA Z 064549.78       P 2 D                                                    55
CR2 Z 064549.80       P 2 D56.96       S 2                                     57
CR2 NS0645                                    4.0 H0.03ML          1.0  200   57
CR2 EW0645                                    3.6 H0.04ML          1.0  200   57
CBW Z 064550.03       P 1 D                                                    58
CST Z 064550.32       P 3E                                                     59
     -1
030290KEYWORTH   KW 091           12.5         5.0NSH    LTHORESBY,NOTTS        1
      15 1 4.45  460.18/ 367.83   1.9 1.1                  53.204   -1.099     2
  4 29 274 0.06  0.0   0.0 C A*D COALFIELD TYPE                                3
CWF Z 150114.1        P 3E 21.1        S 1                                     54
CWF NS1501                                    09.0H0.15ML          0.25 200   54
CWF EW1501                                    10.5H0.10ML          0.25 200   54
KWE Z 150114.22       P 3E                                                     54
KBI Z 150109.88       P 3E                                                     29
     -1
040290KYLE+                                     5.0PCM/BS LTORRIDON,HIGHLAND     1
       3 118.69  195.85/ 849.41  12.1 1.5                  57.489   -5.407     2
 13  7 195 0.39  3.2  2.3 D C*D                                                 3
KPL Z 030123.12       P 1ED                                                    22
KPL NS0301                25.36       S 1I  9.0H0.10ML          2.5 200   22
KPL EW0301                                    10.0H0.10ML          2.5 200   22
KAR Z 030129.52       P 1ED                                                    69
KSB Z 030124.82       P 1ED27.84       S 3E                                    31
KAC Z 030120.84       P 1EU                                                     7
MDO Z 030129.03       P 1EU35.50       S 3E                                    63
MVH Z 030132.51       P 1ED                                                    88
MCD Z 030139.32       P 2EU54.20       S 3E                                   130
MCD NS0301                                    03.5H0.10ML          01.0 200  130
MCD EW0301                                    05.5H0.18ML          01.0 200  130
MME Z 030141.40       P 2ED57.20       S 3E                                   148
     -1
070290 ESK       ES 459           12.5         5.0DG     LETTRICKBRIDGE,BORDERS 1
       21528.38  335.66/ 623.53   7.0 0.2                  55.501   -3.019     2
  5 24 241 0.09  2.2  3.7 C B*D                                                 3
ESK Z 021532.99       P 0IU36.25       S 1                                     24
ESK NS0215                                     9.0H0.09ML          0.25 200   24
ESK EW0215                                    10.2H0.10ML          0.25 200   24
ECK Z 021535.20       P 3E 39.74       S 3                                     36
XSO Z 021536.72       P 1IU                                                    49
     -1
080290LEEDS+     LD 464           12.5         5.0JAR    LDONCASTER,S YORKSHIRE 1
       15325.22  455.80/ 402.51  17.9 3.0            4     53.516   -1.158     2
 17 26 135 0.27  1.7  1.7 B B*B FELT SHEFFIELD,ROTHERHAM, THORNE,BARNSLEY      3
HPK Z 015335.49       P 0ID42.51       S 3                                     58
BUR Z 015330.64       P 0IU34.02       S 3                                     26
KBI Z 015332.42       P 3E 36.74       S 4                                     38
KSY Z 015337.36       P 3E 45.28       S 4                                     72
LLO Z 015341.42       P 2E 53.68       S 4                                    100
LBO Z 015342.11       P 1IU55.17       S 4                                    107
LKL Z 015343.62       P 3E 58.44       S 3                                    120
LCK Z 015347.42       P 3E 63.21       S 4                                    147
LMI Z 015349.18       P 3E 67.94       S 4                                    162
LMI NS0153                                     3.5H0.10ML          10.0 200  162
LMI EW0153                                     3.0H0.13ML          10.0 200  162
SBD Z 015348.29       P 2EU65.44       S 4                                    156
HLM Z 015349.08       P 1ID66.93       S 4                                    161
MCH Z 015355.07       P 3E 77.92       S 3                                    210
MCH NS0153                                    13.1H0.11ML          2.5 200   210
MCH EW0153                                    15.7H0.12ML          2.5 200   210
WCB Z 01530           P 4                                                     226
WCB NS0153                                     8.6H0.34ML          1.0 200   226
WCB EW0153                                    10.9H0.21ML          1.0 200   226
WLC Z 015351.59       P 3E                                                    184
WLC NS0153                                    11.5H0.17ML          2.5 200   184
WLC EW0153                                    11.2H0.11ML          2.5 200   184
     -1
080290LANCS+     LA 028           12.5         5.0JAR    LSTOKE-ON-TRENT,STAFFS 1
       52352.36  382.28/ 348.16   1.5 2.0           2+    53.030   -2.264     2
 17 68 167 0.27  1.4  1.4 C B*D FELT STOKE-ON-TRENT AREA                        3
LLO Z 052408.09       P 3E 20.18       S 3                                     93
LBO Z 052410.22       P 3E                                                    108
LKL Z 052414.32       P 2EU29.73       S 4                                    134
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LCK Z 052416.93        P 3E                                                153
LMI Z 052416.98        P 3E 35.13        S 3                               149
LMI NS0524                                    5.7H0.20ML          0.25 200  149
LMI EW0524                                    7.2H0.30ML          0.25 200  149
HPK Z 052411.02        P 3E 24.49        S 3                               111
HLM Z 052404.22        P 2EU13.70        S 3                                71
SBD Z 052404.32        P 2EU                                              68
HAE Z 052411.20        P 2EU                                             112
MCH Z 052413.26        P 3E 27.79        S 3                             125
MCH NS0524                                   15.5H0.09ML           1.0 200  125
MCH EW0524                                   10.9H0.12ML           1.0 200  125
HTR Z 052413.27        P 2EU                                             126
HGH Z 052418.74        P 2ED                                             159
     -1
080290LANCS+     LA 028             12.5      5.0JAR     LSTOKE-ON-TRENT,STAFFS 1
       71224.99  382.59/ 347.55   1.8 1.8                 53.025   -2.260    2
 13 68 168 0.22  1.5  1.3 C B*D                                              3
LBO Z 071243.03        P 3E                                              108
LKL Z 071247.04        P 3E 62.45        S 4                             134
LCK Z 071250.11        P 3E                                              154
LMI Z 071249.97        P 3E 68.01        S 4                             150
LMI NS0712                                    5.5H0.12ML          0.25 200  150
LMI EW0712                                    2.9H0.34ML          0.25 200  150
HPK Z 071243.38        P 3E 57.33        S 3                             112
SBD Z 071236.91        P 2ED                                              68
HLM Z 071237.10        P 2EU46.20        S 3                              71
HAE Z 071243.85        P 3E                                              112
MCH Z 071245.53        P 3E 60.35        S 3                             125
MCH NS0712                                   26.2H0.11ML           0.25 200  125
MCH EW0712                                   21.4H0.15ML           0.25 200  125
HTR Z 071246.98        P 4                                               126
HGH Z 071251.23        P 3E                                              159
     -1
080290KEYWORTH   KW 092             12.5       5.0NSH    LRANSKILL,S YORKSHIRE  1
       1516 4.46  463.85/ 388.15   0.3 1.3            2+   53.386   -1.040    2
  4 36 261 0.05  0.0  0.0 C A*D FELT RANSKILL                                 3
CWF Z 151617.58        P 2I                                               74
CWF NS1516                                   14.5H0.09ML           0.25 200   74
CWF EW1516                                   09.5H0.11ML           0.25 200   74
KSY Z 151614.72        P 2IU                                              56
KWE Z 151616.65        P 2ID                                              68
KBI Z 151611.34        P 1ID                                              36
     -1
100290 ESK       ES 460             12.5       5.0DG     LDUMFRIES,D & G        1
       32650.17  288.28/ 575.30   5.9 0.3                 55.060   -3.749    2
  4 42 339 0.06  0.0  0.0 C A*D                                              3
ECK Z 032657.70        P 2E 63.03        S 3                               42
ESK Z 032658.04        P 2E 63.92        S 3                               45
ESK NS0326                                    3.1H0.08ML          0.25 200   45
ESK EW0326                                    2.9H0.10ML          0.25 200   45
     -1
120290KEYWORTH+  KW 092             12.5       5.0NSH/JARLDONCASTER,S YORKSHIRE 1
       93329.45  456.22/ 399.81  12.7 2.4                53.492   -1.153    2
 17 28 136 0.13  0.6  1.0 B A*C AFTERSHOCK                                   3
CWF Z 093343.30        P 1I 53.41        S 1I                              85
CWF NS0933                                   05.5H0.07ML           10   200   85
CWF EW0933                                   05.5H0.08ML           10   200   85
KEY Z 093341.18        P 1I 49.30        S 1I                              69
KTG Z 093351.51        P 1ID                                            139
KSY Z 093341.30        P 1ID                                             70
KWE Z 093341.14        P 1IU                                             70
KBI Z 093336.12        P 1IU                                             36
KUF Z 093346.95        P 1IU                                            110
LLO Z 093346.11        P 1ID                                            101
LBO Z 093347.10        P 1ID                                            108
LKL Z 093348.97        P 2EU62.60        S 3                            122
LCK Z 093352.69        P 3E                                             149
LMI Z 093355.42        P 3E 73.82        S 4                            163
LMI NS0933                                    6.5H0.17ML           1.0 200  163
LMI EW0933                                    6.7H0.14ML           1.0 200  163
BUR Z 093334.81        P 0IU                                             29
HPK Z 093339.65        P 0ID46.76        S 2                             60
     -1
150290 LOWNT/ESK LN 684    346      12.5       5.0DWR/DG LTWEEDSMUIR,BORDERS   1
       75944.52  310.87/ 618.68  11.1 0.7                55.454   -3.409    2
 14 20 207 0.11  1.1  2.1 C B*D                                              3
EBL Z 075951.92        P 2E 57.22        S 2E                  0.25 200   42
EAU Z 075952.13        P 2E 57.50        S 3E                              44
EDI Z 075953.83        P 3E 60.43        S 2E  1.3H0.28M       0.25 200   54
EDI NS0759                E                E  3.5H0.21ML      0.25 200   54
EDI EW0759                E                E  3.3H0.28ML      0.25 200   54
ESY Z 075956.78        P 2E 65.78        S 3E                              72
EBH Z 075959.38        P 3E 69.19        S 3E                              89
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ESK Z 075948.69       P 1EU51.56       S 2E                                  20
ESK NS0759                                    7.4H0.09ML          1.0  200   20
ESK EW0759                                    5.6H0.10ML          1.0  200   20
ECK Z 075950.85       P 0ID55.41       S 1E                                  35
     -1
150290LANCS+     LA 030             12.5       5.0JAR    LWIDDALE,N YORKSHIRE   1
       161327.61  382.00/ 489.04   7.2 1.4                 54.297   -2.277    2
 15 19 128 0.14  0.5  0.9 B A*C                                               3
LKL Z 161331.39       P 0IU34.10       S 3                                   19
LBO Z 161334.77       P 0IU                                                  40
LCK Z 161334.40       P 0ID39.03       S 2                                   39
LLO Z 161336.80       P 1IU                                                  53
LMI Z 161339.11       P 1EU46.91       S 2                                   68
LMI NS1613                                  3.5 0.18 ML           1.0 200   68
LMI EW1613                                  2.9 0.19 ML           1.0 200   68
HPK Z 161337.28       P 2EU44.33       S 3                                   57
XAL Z 161338.22       P 2ED                                                  63
XDE Z 161341.70       P 2ED                                                  82
ESK Z 161348.82       P 3E 63.18       S 3                                  128
ESK NS1613                                    4.1H0.12ML          0.25 200  128
ESK EW1613                                    5.1H0.13ML          0.25 200  128
XSO Z 1613                 64.84       S 3                                  133
     -1
160290 LOWNET    LN 684   789        12.5       5.0DWR    LBLAIRHALL,FIFE        1
       162052.00  297.85/ 691.46   2.9 1.3                 56.105   -3.643    2
 12 18 124 0.19  0.7  3.0 C B*C COALFIELD TYPE                                 3
EBH Z 162055.20       P 1IU58.22       S 2EU                 0.25 200  18
EAU Z 162057.68       P 1IU62.08       S 3EU                                 31
EDI Z 162058.26       P 2EU63.29       S 2E  5.0H0.50M       0.25 200  35
EDI NS1620               ED               IU 8.3H0.61ML      0.25 200  35
EDI EW1620               EU                E 11.0H0.48ML     0.25 200  35
ELO Z 162059.20       P 1IU65.09       S 2EU                                 41
EAB Z 162059.91       P 2E 66.00       S 2ED                                 44
EBL Z 162101.08       P 3E 08.29       S 3E                                  53
     -1
160290KEYWORTH   KW 093             12.5       5.0NSH    LTHORESBY,NOTTS        1
       183358.22  458.69/ 366.74   1.0 1.1                 53.194   -1.121    2
  4 28 270 0.12  0.0  0.0 C A*D COALFIELD TYPE                                 3
CWF Z 183407.8        P 3E 14.75       S 3E                                  52
CWF NS1834                                  15.5H0.08ML           0.25 200  52
CWF EW1834                                  11.7H0.12ML           0.25 200  52
KWE Z 183407.9        P 2E                                                   52
KBI Z 183403.48       P 3E                                                   28
     -1
170290KEYWORTH   KW 093             12.5       5.0NSH    LTHORESBY,NOTTS        1
       213118.04  457.96/ 367.68   0.8 1.0                 53.203   -1.132    2
  4 27 270 0.15  0.0  0.0 C A*D COALFIELD TYPE                                 3
CWF Z 213127.15       P 3E 34.16       S 1I                                  53
CWF NS2131                                  12.1H0.10ML           0.25 200  53
CWF EW2131                                  06.0H0.14ML           0.25 200  53
KWE Z 213127.35       P 2E                                                   52
KBI Z 213122.90       P 2E                                                   27
     -1
180290 LOWNET    LN 684   1440       12.5       5.0DWR    LMOORFOOT HILLS,BORDERS1
       161324.27  332.33/ 653.68   6.3-0.3                 55.772   -3.079    2
  6  2 203 0.06  2.1  0.7 C B*D MAGNITUDE FROM VERTICALS                       3
EBL Z 161325.62       P 0IU26.61       S 2ED 4.5H0.11ML       1.0 200   2
EAU Z 161328.99       P 3E 32.48       S 3E  2.2H0.11ML      0.25 200  25
ESY Z 161330.63       P 3E 34.65       S 3E  0.8H0.09ML      0.25 200  33
     -1
200290KEYWORTH   KW 093             12.5       5.0NSH    LTHORESBY,NOTTS        1
       192149.63  464.54/ 367.64   1.0 1.1                 53.202   -1.034    2
  4 34 279 0.33  0.0  0.0 D C*D COALFIELD TYPE                                 3
CWF Z 192159.64       P 3E 66.75    71 S 2                                   55
CWF NS1921                                  11.0H0.10ML           0.25 200  55
CWF EW1921                                  06.8H0.14ML           0.25 200  55
KWE Z 192160.58       P 2E                                                   58
KBI Z 192155.70       P 2E                                                   34
     -1
210290MORAY+                                      5.0BS     LINVERGARRY,HIGHLAND   1
        14040.94  231.14/ 796.47   3.6 1.3                 57.029   -4.782    2
 19 52  95 0.32  0.9  3.6 D C*D                                               3
MDO Z 014049.92       P 2E 56.30       S 3E                                  53
MCD Z 014059.40       P 2EU72.49       S 3E                                 111
MCD NS0140                                  07.5H0.09ML           0.25 200  111
MCD EW0140                                  08.5H0.10ML           0.25 200  111
MME Z 014059.60       P 2E                                                  114
MVH Z 014059.71       P 4E 71.80       S 3E                                 106
ELO Z 014056.73       P 3E 67.99       S 3E 10.8H0.10M       0.25 200   90
EAB Z 014056.82       P 2EU67.98       S 3E  3.7H0.10M       0.25 200   97
EBH Z 014100.22       P 3E 13.80       S 3E                                 117
EDU Z 014101.10       P 2EU15.50       S 3EU 3.8H0.11M       0.25 200  121
PMS Z 014056.45       P 3E                                                  132
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PCO Z 014101.05       P 3E                                                  123
KAC Z 014051.61       P 1EU                                                  61
KPL Z 014051.83       P 2E 59.75       S 2                                   63
KPL NS0140                                  10.1H0.11ML          0.25 200    63
KPL EW0140                                  17.7H0.12ML          0.25 200    63
KAR Z 014052.12       P 2E                                                   65
     -1
220290 LOWNET    LN 685    497      12.5      5.0DWR    LROSEWELL,LOTHIAN      1
       1832 8.02  330.53/ 662.77   0.7 0.3                55.853   -3.110     2
  8  9 112 0.06  0.3  0.3 B A*B COALFIELD TYPE                                 3
EDI Z 183210.32       P 1IU12.00       S 2EU 4.7H0.30M          1.0 200     9
EDI NS1832               EU               ED 2.6H0.21ML          1.0 200     9
EDI EW1832               ED               E  2.9H0.32ML          1.0 200     9
EBL Z 183210.41       P 2EU12.39       S 3E                                  10
EAU Z 183212.52       P 3E 15.73       S 3E                                  22
ESY Z 183214.20       P 3E                                                   32
EBH Z 183217.59       P 3E                                                   51
     -1
230290HEREFORD+  HF 560            12.5       5.0NSH    LSTOKE-ON-TRENT,STAFFS 1
       2118 8.52  385.56/ 345.92   0.3 1.8                53.019   -2.215     2
 22 25  78 0.26  0.7  1.3 C B*C                                               3
MCH Z 211830.10       P 3E 44.71       S 3                                  125
MCH NS2118                                  22.7H0.16ML          0.25 200   125
MCH EW2118                                  18.0H0.18ML          0.25 200   125
HCG Z 211830.18       P 3E                                                  124
HGH Z 211834.90       P 3E                                                  158
HTR Z 211830.3        P 3E 45.35       S 3                                  126
HLM Z 211821.22       P 3E                                                   71
WLC NS2118                                   9.0H0.21ML          0.25 200   105
WLC EW2118                                   9.9H0.21ML          0.25 200   105
KWE Z 211813.06       P 1EU16.65       S 3                                   25
KBI Z 211817.77       P 1IU                                                 54
CWF Z 211820.69       P 2E 29.01       S 3                                   68
CWF NS2118                                   5.1H0.23ML          1.0  200   68
CWF EW2118                                   4.4H0.22ML          1.0  200   68
WBR Z 211827.95       P 1ED                                                 114
WLC Z 211826.62       P 1IU39.12       S 2                                  105
YRH Z 211835.31       P 2EU54.10       S 3                                  164
LBO Z 211827.17       P 1IU41.60       S 2                                  110
LKL Z 211831.19       P 3E 48.31       S 2                                  136
LMI Z 211833.72       P 3E 52.30       S 3                                  153
LMI NS2118                                   5.0H0.20ML          0.25 200   153
LMI EW2118                                   4.1H0.20ML          0.25 200   153
     -1
240290KEYWORTH   KW 094            12.5       5.0NSH    LTHORESBY,NOTTS        1
        31516.11  450.05/ 364.88   0.7 1.0                53.178   -1.251     2
  4 20 250 0.38  0.0  0.0 D C*D COALFIELD TYPE                                 3
CWF Z 031524.16       P 2E 31.21       S 1I                                  49
CWF NS0315                                  12.7H0.10ML          0.25 200    49
CWF EW0315                                  06.6H0.15ML          0.25 200    49
KWE Z 031524.35       P 2E                                                   43
KBI Z 031519.75       P 2E                                                   20
     -1
260290KEYWORTH   KW 094            12.5       5.0NSH    LSTOKE-ON-TRENT,STAFFS 1
       13 938.78  385.69/ 346.82   4.5 2.4           3+   53.018   -2.213     2
 25 25  75 0.25  0.6  1.5 C B*C FELT STOKE-ON-TRENT AREA                       3
CWF Z 130950.50       P 2IU58.88       S 1I                                  69
CWF NS1309                                   7.4H0.22ML          2.5  200    69
CWF EW1309                                   6.0H0.23ML          2.5  200    69
KWE Z 130943.09       P 1IU                                                  25
KBI Z 130947.65       P 1IU                                                  53
HLM Z 130951.19       P 1EU                                                  72
HAE Z 130957.85       P 2E 71.64       S 2                                  112
HTR Z 131000.75       P 3E 15.28       S 2                                  127
MCH Z 131000.95       P 3ED14.81       S 2                                  126
MCH NS1310                                   7.1H0.19ML          2.5  200   126
MCH EW1310                                   6.8H0.17ML          2.5  200   126
WLC Z 130956.32       P 1EU69.10       S 2                                  105
WLC NS1309                                   9.9H0.21ML          1.0  200   105
WLC EW1309                                  12.0H0.23ML          1.0  200   105
WBR Z 130957.92       P 1ID70.75       S 3                                  115
WST Z 130958.49       P 1EU72.50       S 2                                  119
LLO Z 130954.97       P 2EU67.05       S 3                                   95
LKL Z 131001.08       P 1EU17.20       S 2                                  135
LMI Z 131003.70       P 2E 21.84       S 3                                  152
LMI NS1310                                   5.0H0.20ML          1.0  200   152
LMI EW1310                                   6.1H0.19ML          1.0  200   152
LBO Z 130957.19       P 2EU71.42       S 2                                  110
     -1
010390KEYWORTH   KW 095            12.5       5.0NSH    LSTOKE-ON-TRENT,STAFFS 1
       235348.35  384.95/ 346.54   1.5 0.8                53.016   -2.224     2
  4 26 304 0.00  0.0  0.0 C A*D                                               3
CWF Z 235360.26       P 3E 68.96       S 2E                                  69
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CWF NS2353                                  06.5H0.07ML          0.25 200   69
CWF EW2353                                  06.1H0.07ML          0.25 200   69
KWE Z 235353.12       P 3E                                                  26
KBI Z 235357.74       P 2E                                                  54
     -1
020390KEYWORTH   KW 095           12.5       5.0NSH    LWARSOP,NOTTS          1
       52032.79  457.19/ 366.52   2.0 1.0                53.192   -1.144     2
  4 27 267 0.09  0.0  0.0 C A*D                                               3
CWF Z 052042.08       P 3E 48.88       S                                    52
CWF NS0520                                  12.3H0.09ML          0.25 200   52
CWF EW0520                                  09.6H0.11ML          0.25 200   52
KWE Z 052042.26       P 3E                                                  51
KBI Z 052037.80       P 2E                                                  27
     -1
030390KEYWORTH   KW 095           12.5       5.0NSH    LSTOKE-ON-TRENT,STAFFS 1
      164659.92  388.28/ 349.25   3.9 1.0                53.040   -2.175     2
  4 23 301 0.10  0.0  0.0 C A*D                                               3
CWF Z 164711.25       P 3E 19.75       S 3                                  67
CWF NS1647                                  05.5H0.11ML          0.25 200   67
CWF EW1647                                  06.5H0.14ML          0.25 200   67
KWE Z 164704.21       P 3E                                                  23
KBI Z 164708.4        P 3E                                                  50
     -1
040390KEYWORTH+  KW 095           12.5       5.0NSH    LSTOKE-ON-TRENT,STAFFS 1
       01847.03  385.52/ 347.47   4.2 2.8              5    53.024   -2.216     2
 14 25 153 0.09  0.5  1.1 B A*C FELT THROUGHOUT NORTH     STAFFORDSHIRE          3
CWF Z 001858.75       P 1ID67.20       S 1I                                 69
CWF NS0018                                  22.0H0.29ML          02.5 200   69
CWF EW0018                                  17.5H0.22ML          02.5 200   69
KWE Z 001851.42       P 1IU                                                 25
KBI Z 001856.07       P 1IU                                                 53
KUF Z 001869.04       P 1I                                                 131
KSY Z 001865.50       P 2I                                                 110
MCH Z 001908.22       P 3E 23.09       S 1I                                126
MCH NS0019                                  24.6H0.16            02.5       126
MCH EW0019                                  15.1H0.11            02.5       126
HAE Z 001906.22       P 2E                                                 112
HTR Z 001908.33       P 2ED23.55       S 1I                                127
WLC Z 001904.68       P 1IU                                                105
WLC NS0019                                  12.0H0.19            02.5       105
WLC EW0019                                  06.2H0.19            02.5       105
WBR Z 001906.18       P 1IU                                                115
WST Z 001906.95       P 1ID                                                119
     -1
040390KEYWORTH   KW 095           12.5       5.0NSH    LSTOKE-ON-TRENT,STAFFS 1
       55943.06  385.85/ 346.82   5.4 1.8             2+    53.018   -2.211     2
 24 25  78 0.35  1.1  2.6 C C*C FELT STOKE-ON-TRENT AREA                       3
CWF Z 055954.66       P 2E 63.05       S 1I                                 68
CWF NS0559                                  06.2H0.20ML          01.0 200   68
CWF EW0559                                  04.5H0.20ML          01.0 200   68
KWE Z 055947.49       P 2E                                                  25
KBI Z 055952.04       P 1IU                                                 53
LLO Z 055959.10       P 3E 71.75       S 3                                  96
LBO Z 055961.32       P 1IU                                                110
LKL Z 055965.21       P 2E 81.01       S 3                                 135
LMI Z 055968.09       P 2E 86.35       S 3                                 152
LMI NS0559                                   5.6H0.17ML          0.25 200   152
LMI EW0559                                   7.5H0.17ML          0.25 200   152
LCK Z 055968.51       P 2E                                                  156
MCH Z 055964.90       P 2E 78.99       S 1   8.0H0.18ML          1.0  200   126
HTR Z 055965.25       P 2E 79.31       S 1                                 127
HGH Z 055969.80       P 2E                                                  159
WLC Z 055960.52       P 2E 73.00       S 3                                 105
WLC NS0559                                   3.4H0.20ML          1.0  200   105
WLC EW0559                                   4.2H0.19ML          1.0  200   105
WBR Z 055962.13       P 1ID75.40       S 3                                 115
WFB Z 055964.18       P 2ED79.42       S 2                                 129
YRH Z 055969.50       P 1EU                                                164
     -1
040390KEYWORTH   KW 095           12.5       5.0NSH    LSTOKE-ON-TRENT,STAFFS 1
         7 919.41  385.54/ 347.22   3.2 2.3             3+    53.022   -2.216     2
 21 25  74 0.23  0.6  2.1 C B*C FELT STOKE-ON-TRENT AREA                       3
CWF Z 070930.70       P 1ID39.64       S 2                                  69
CWF NS0709                                  18.0H0.22ML          01.0 200   69
CWF EW0709                                  12.0H0.16ML          01.0 200   69
KWE Z 070923.88       P 1I                                                  25
KBI Z 070928.52       P 1IU                                                 53
KUF Z 070941.50       P 1IU                                                131
LLY Z 070936.40       P 1ID                                                 98
LBO Z 070937.93       P 1IU                                                109
LKL Z 070941.80       P 1IU                                                135
LMI Z 070944.42       P 1EU62.31       S 2                                 152
LMI NS0709                                   3.6H0.20ML          1.0  200   152
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LMI EW0709                                    3.9H0.29ML          1.0  200  152
LCK Z 070944.60       P 2E                                                  155
WLC Z 070936.99       P 1EU49.81       S 2                                  105
WLC NS0709                                    5.0H0.17ML          2.5  200  105
WLC EW0709                                    5.6H0.15ML          2.5  200  105
WBR Z 070938.72       P 1ED                                                 115
WFB Z 070940.65       P 1EU56.02       S 2                                  128
YRH Z 070946.00       P 1ID                                                 164
HAE Z 070938.75       P 2E 52.25       S 2                                  112
MCH Z 070940.42       P 2ED55.52       S 2                                  126
MCH NS0709                                   10.0H0.19ML          2.5  200  126
     -1
040390KEYWORTH   KW 095           12.5       5.0NSH    LSTOKE-ON-TRENT,STAFFS 1
       757 5.34  385.30/ 346.92   3.9 1.8            2+   53.019   -2.219    2
 21 25  78 0.18  0.6  1.7 C B*C FELT STOKE-ON-TRENT AREA                      3
CWF Z 075716.96       P 1I 25.61       S 1I                                 69
CWF NS0757                                    3.6H0.18ML          1.0  200   69
CWF EW0757                                    3.2H0.17ML          1.0  200   69
KWE Z 075709.80       P 2E                                                  25
KBI Z 075714.38       P 2E                                                  53
LBO Z 075723.71       P 2E                                                 109
LKL Z 075727.81       P 2E                                                 135
LMI Z 075730.41       P 2E 48.41       S 3                                 152
LMI NS0757                                   10.5H0.29ML          0.25 200  152
LMI EW0757                                    4.4H0.27ML          0.25 200  152
LCK Z 075730.79       P 2E                                                  155
WLC Z 075723.18       P 2E 35.57       S 3                                  105
WLC NS0757                                    3.2H0.15ML          1.0  200  105
WLC EW0757                                    3.9H0.13ML          1.0  200  105
WBR Z 075724.47       P 1ED37.75       S 3                                  114
WFB Z 075726.69       P 2EU41.85       S 2                                  128
YRH Z 075731.81       P 2E                                                  164
MCH Z 075726.60       P 2E 41.20       S 2                                  125
MCH NS0757                                    7.0H0.11ML          1.0  200  125
MCH EW0757                                    6.0H0.19ML          1.0  200  125
HTR Z 075726.61       P 2E 41.62       S 2                                  127
HGH Z 075732.00       P 1EU51.48       S 2                                  159
     -1
070390LANCS+     LA 032           12.5       5.0JAR    LKENTMERE,CUMBRIA      1
       75337.69  346.42/ 508.36   8.7 1.4            54.468   -2.827    2
 20 12  84 0.19  0.6  2.4 B B*B                                               3
LCK Z 075340.51       P 01U                                                 12
LKL Z 075343.58       P 0ID47.78       S 3                                  34
LMI Z 075344.81       P 1IU50.21       S 3                                  42
LMI NS0753                                    7.5H0.08ML          1.0  200   42
LMI EW0753                                   12.1H0.09ML          1.0  200   42
LBO Z 075347.50       P 0ID                                                 57
LLO Z 075349.89       P 1ID                                                 71
XDE Z 075345.49       P 2E 50.40       S 3                                  43
XAL Z 075347.61       P 1IU                                                 59
ECK Z 075351.62       P 2E 61.37       S 3                                  82
ESK Z 075354.13       P 2ED65.20       S 3                                  98
ESK NS0753                                   15.3H0.08ML          0.25 200   98
ESK EW0753                                   15.4H0.08ML          0.25 200   98
GCD Z 075351.88       P 1IU61.77       S 3                                  84
GAL Z 075359.08       P 3E 73.39       S 3                                 129
GAL NS0753                                    8.6H0.10ML          0.25 200  129
GAL EW0753                                    6.6H0.08ML          0.25 200  129
HPK Z 075353.86       P 3E 65.69       S 3                                  97
     -1
080390N WALES                                 5.0RITCHIE LLEYN,GWYNEDD       1
       51153.06  238.57/ 344.64  23.4 0.7            52.974   -4.404    2
 17  2  81 0.09  0.4  0.6 A A*A AFTERSHOCK                                    3
WLC Z 051161.0        P 2E 66.35       S 2                                  42
WLC NS0511                                    9.0 H0.09ML         0.25 200   42
WLC EW0511                                    7.7 H0.11ML         0.25 200   42
YRH Z 051158.17       P 2E 61.80       S 1                                  22
WBR Z 051159.92       P 3E 64.87       S 3                                  37
WFB Z 051160.60       P 2E                                                  41
YRC Z 051159.60       P 2E 64.07       S 2                                  33
YRE Z 051156.80       P 2E 59.40       S 1                                   2
WPM Z 051161.40       P 2E                                                  46
WLF Z 051159.80       P 2E 64.42       S 1                                  35
WME Z 0511                67.63       S 3                                  48
YLL Z 051158.42       P 1IU62.15       S 1                                  24
     -1
080390LANCS+     LA 032           12.5       5.0JAR    LKENTMERE,CUMBRIA      1
       73622.33  346.21/ 507.76   9.3 0.7            54.462   -2.830    2
 12 12  84 0.18  0.8  3.0 B B*B AFTERSHOCK                                    3
LCK Z 073625.11       P 1EU                                                 12
LMI Z 073629.46       P 1ED34.74       S 3                                  41
LMI NS0736                                    8.2H0.08ML          0.25 200   41
LMI EW0736                                    5.2H0.18ML          0.25 200   41
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LKL Z 073628.18       P 0ID                                                  33
LBO Z 073632.10       P 1ED                                                  56
XAL Z 073632.20       P 3E                                                   60
ECK Z 073636.21       P 3E                                                   82
ESK Z 073638.80       P 3E 50.15       S 3                                   98
ESK NS0736                                    3.3H0.08ML          0.25 200   98
ESK EW0736                                    3.6H0.08ML          0.25 200   98
GCD Z 073636.52       P 3E                                                   85
GAL Z 0736            P 4                                                   129
GAL NS0736                                    2.3H0.09ML          0.25 200  129
GAL EW0736                                    1.6H0.08ML          0.25 200  129
HPK Z 073638.59       P 3E 50.10       S 3                                   97
     -1
090390N WALES                                  5.0RITCHIELMARKET DRAYTON,SHROPS 1
      193330.71  366.42/ 335.13   9.3 1.5                 52.912   -2.499     2
 19 76 259 0.12  0.8  1.2 C A*D                                               3
WLC Z 193345.27       P 3E 55.30       S 1                                   86
WLC NS1933                                   19.5H0.10ML          0.25 200   86
WVR Z 193343.21       P 2E 52.45       S 3                                   76
WBR Z 193346.10       P 2E 57.20       S 1                                   94
WST Z 193347.04       P 2E 59.15       S 1                                  101
WFB Z 193348.05       P 1IU                                                 107
WCB Z 193354.55       P 4E 71.45       S 2                                  147
YRC Z 1933                70.35       S 3                                  144
YRE Z 193351.42       P 1ID66.89       S 3                                  130
WPM Z 193347.56       P 3E 59.60       S 2                                  102
WLF Z 1933                67.90       S 2                                  134
YLL Z 193349.31       P 1IU63.00       S 3                                  115
WLC EW1933                                   17.5H0.10ML          0.25 200   86
LBO Z 193350.00       P 2EU63.80       S 3                                  119
     -1
120390KEYWORTH+  KW 097            12.5       5.0NSH    RSOUTHERN NORTH SEA    1
      222612.47 703.54 412.38     1.4 2.8                 53.525    2.581     2
 11108 289 0.26  4.6  2.7 D C*D                                               3
CWF Z 222654.14       P 4E 85.6        S 4                                  275
CWF NS2226                                   06.3H0.19ML          01.0 200  275
CWF EW2226                                   03.5H0.16ML          01.0 200  275
KSY Z 222647.00       P 3E                                                  221
KWE Z 222656.50       P 3E                                                  300
KBI Z 222653.42       P 3E                                                  275
KUF Z 222647.61       P 4I                                                  223
APA Z 222637.77       P 1  55.90       S 2                                  155
AWH Z 222636.68       P 1 U                                                 148
AWI Z 222630.31       P 1 D44.09       S 1  21.0H0.17ML           2.5 200  108
ABA Z 222632.11       P 1 U                16.0H0.17ML           2.5 200  119
HPK Z 222653.75       P 3  83.75       S 3                                  282
     -1
140390 DEVON+                                  5.0ABW    LSOMERTON,SOMERSET     1
       241 6.24  335.85/ 124.36   7.6 2.1                 51.015   -2.915     2
  7 96 224 0.09  1.4134.6 D C*D                                              3
DYA Z 024121.96       P 1  33.64       S 2                                   97
DCO Z 024123.03       P 1                                                   103
HTL Z 024124.02       P 1                                                   110
HTL NS0241                                   3.25H0.23ML          1.0  200  110
HTL EW0241                                   4.0 H0.27ML          1.0  200  110
HSA Z 024125.60       P 1                                                   119
MCH Z 024124.12       P 1  37.02       S 2                                  110
MCH NS0241                                   8.0 H0.21ML          1.0  200  110
     -1
140390 LOWNET    LN 688     99      12.5       5.0DWR    LSTRATHYRE,CENTRAL     1
       135911.06  258.14/ 718.76   2.4 0.3                 56.340   -4.295     2
  6 17 239 0.19  3.1  1.6 D C*D MAGNITUDE FROM VERTICALS                       3
EAB Z 135914.53       P 0ID16.70       S 2ID13.3H0.09ML          0.25 200   17
ELO Z 135917.92       P 2EU23.15       S 2ED 4.8H0.16ML          0.25 200   39
EBH Z 135920.27       P 2E 27.30       S 3E  2.8H0.09ML          0.25 200   50
     -1
140390GALLOWAY+  GL 018              12.5     5.0LY     LARRAN,STRATHCLYDE     1
       18 321.32  195.81/ 614.71   7.5 1.5                 55.384   -5.224     2
 21 24 131 0.23  0.8  2.9 C B*C SOUTH OF ARRAN                                3
GMK Z 180325.96       P 1IU                                                  24
GCL Z 180332.25       P 3E 40.17       S 4                                   67
GAL Z 180333.47       P 4ED40.49       S 3                                   66
GAL NS1803                                   10.0H0.06ML          1.00 200   66
GAL EW1803                                   10.8H0.10ML          1.00 200   66
GCD Z 180338.30       P 3E 49.65       S 3                                  100
PGB Z 180332.29       P 1ID40.30       S 3                                   67
PGB NS1803                                   10.1H0.08ML          1.00 200   67
PGB EW1803                                    5.7H0.11ML          1.00 200   67
PCA Z 180332.90       P 3ED                                                  71
PMS Z 180331.70       P 3E 38.49       S 3                                   60
ESK Z 180342.12       P 1E 56.66       S 3                                  128
ESK NS1803                                    8.6H0.09ML          0.25 200  128
ESK EW1803                                    7.8H0.08ML          0.25 200  128
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ECK Z 180343.40        P 2EU58.70        S 3                                  135
EAB Z 180338.17        P 2E 49.88        S 4E                                 105
EDI Z 180344.28        P 3E 60.71        S 3E  3.3H0.11M          0.25 200    142
EDI NS1803                E 60.71        S  E  4.6H0.19ML         0.25 200    142
EDI EW1803                E                 E  4.8H0.16ML         0.25 200    142
EBH Z 180344.90        P 3E 61.00        S 3E                                 144
ELO Z 180346.20        P 3E 63.30        S 3E                                 154
     -1
150390 PAISLEY+   PA 304            12.5       5.0DG     LCRIANLARICH,CENTRAL   1
       172456.80  244.07/ 732.53   2.8 1.4                  56.459   -4.531    2
 12 32 253 0.37  2.4  3.2 D C*D                                                 3
PCO Z 172507.27        P 2E 15.18        S 3  12.0H0.12ML          0.25 200    59
PMS Z 172509.01        P 2E 17.03        S 3   9.9H0.11ML          0.25 200    70
PCA Z 172512.08        P 2E                                                     86
EAB Z 172502.69        P 2EU06.75        S 2E                                 32
ELO Z 172505.32        P 2EU12.29        S 2E                                 51
EBH Z 172508.79        P 2E 17.90        S 3E                                 67
EDU Z 172512.80        P 2E 25.54        S 3E                                 94
EDI Z 172515.31        P 4E 27.92        S 4E  4.5H0.16M          0.25 200    103
EDI NS1725                E 27.92        S  EU11.1H0.15ML         0.25 200    103
EDI EW1725                E                 E  8.5H0.21ML         0.25 200    103
     -1
190390 ESK+       ES 465           12.5       5.0DG/DWR LCARNWATH,STRATHCLYDE  1
       2221 9.30  301.50/ 647.96   0.4 0.4                  55.715   -3.568    2
  7 16 285 0.07  1.4  1.2 C B*D                                                 3
ESK Z 222119.68        P 3E 24.45        S 4                                  50
ESK NS2221                                  3.3H0.09ML          0.25 200    50
ESK EW2221                                  2.6H0.10ML          0.25 200    50
ECK Z 222121.89        P 3E 29.93        S 3                                  66
EAU Z 222112.89        P 0IU15.55        S 2EU                                16
EDI Z 222115.77        P 1IU20.69        S 1E  2.5H0.22M          0.25 200    33
EDI NS2221                IU20.69           ID 4.1H0.14ML         0.25 200    33
EDI EW2221                IU                E  3.0H0.21ML         0.25 200    33
EBL Z 222115.80        P 0IU20.60        S 2EU                                34
EBH Z 222120.02        P 3E 27.41        S 2E                                 60
ESY Z 222121.46        P 3E                                                   64
     -1
220390 KYLE                         12.5       5.0BS/DG  LBARRA,WESTERN ISLES   1
       125321.29   74.24/ 809.50    1.0 1.3                  57.061   -7.375    2
  5 95 329 0.48 69.3 55.5 D D*D                                                3
KPL Z 125337.15        P 4E 53.15        S 3                                 109
KPL NS1253                                  5.1H0.10ML          0.25 200    109
KPL EW1253                                  8.0H0.14ML          0.25 200    109
KAR Z 125337.50        P 2E                                                    95
KAC Z 125344.41        P 2E 59.52        S 3                                  134
     -1
220390 ESK        ES 465           12.5       5.0DG     LLANGHOLM,D & G        1
       2218 4.64  337.64/ 599.96   6.1 0.0                  55.290   -2.982    2
  4 14 295 0.07  0.0  0.0 C A*D 15KM NORTH OF LANGHOLM                          3
ESK Z 221807.59        P 0IU09.90        S 1                                  15
ESK NS2218                                 12.0H0.10ML          0.25 200    15
ESK EW2218                                 11.6H0.10ML          0.25 200    15
ECK Z 221807.86        P 1IU09.96        S 2                                  15
     -1
230390 LOWNET     LN 689     808   12.5       5.0DWR    LCLACKMANNAN,CENTRAL   1
       193942.10  295.33/ 694.32   0.5 1.0                  56.130   -3.684    2
  7 17 152 0.08  0.6  1.0 B A*C COALFIELD TYPE                                  3
EBH Z 193945.78        P 2ED48.65        S 2ED                                17
EDI Z 193948.66        P 3E 54.89        S 2E  4.2H0.22M          0.25 200    39
EDI NS1939                E 54.89        S  EU 5.1H0.33ML         0.25 200    39
EDI EW1939                E                 E  5.2H0.60ML         0.25 200    39
ELO Z 193949.33        P 2E 54.52        S 3E                                 38
EAB Z 193950.00        P 3E                                                   41
     -1
240390 LANCS+     LA 034           12.5       5.0JAR/DG LLOWESWATER,CUMBRIA    1
        25012.79  315.63/ 519.73  11.4 0.5                  54.566   -3.305    2
 10 14 120 0.18  0.8  2.5 B B*B                                                3
ECK Z 025024.49        P 3E 33.19        S 3                                  70
ESK Z 025026.82        P 2ED36.22        S 3                                  84
ESK NS0250                                  3.0H0.09ML          0.25 200    84
ESK EW0250                                  2.2H0.08ML          0.25 200    84
XDE Z 025016.14        P 2E 18.15        S 3                                  14
LCK Z 0250                23.93        S 3                                  36
LMI Z 025019.91        P 3EU24.77        S 3                                  38
LMI NS0250                                  4.0H0.18ML          0.25 200    38
LMI EW0250                                  5.1H0.09ML          0.25 200    38
GAL Z 0250                40.08        S 3                                  97
GAL NS0250                                  1.6H0.09ML          0.25 200    97
GAL EW0250                                  1.4H0.09ML          0.25 200    97
     -1
240390KEYWORTH+   KW 099           12.5       5.0NSH    SOUTHERN NORTH SEA     1
       161158.50 692.48  408.34    0.5 2.7                  53.485    2.415    2
 10 97 284 0.18  4.4  4.0 D C*D                                                3
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CWF Z 161237.48       P 3E                                                  263
CWF NS1612                                  15.5H0.30ML          0.25 200  263
CWF EW1612                                  10.5H0.20ML          0.25 200  263
KSY Z 161231.15       P 2E                                                  209
KWE Z 161240.65       P 3E                                                  289
KUF Z 161231.85       P 2E                                                  153
APA Z 161222.61       P 1                                                   143
AWH Z 161221.28       P 1                                                   137
AWI Z 161214.96       P 1                   15.0H0.23ML          2.5  200   97
ABA Z 161216.75       P 1  30.23       S 2  6.0 H0.40ML          2.5  200  108
HPK Z 161238.70       P 3E                                                  271
     -1
260390 CORNWALL                                 5.0WALKER LSCILLY ISLES,CORNWALL 1
       04647.10   96.17/  26.91   5.0 1.0              50.064   -6.246    2
  4 74 355 0.09  0.0   0.0 C A*D 8KM NORTH OF ST MARTINS                     3
CCA Z 004659.70       P 2E                                                  74
CCO Z 004659.75       P 2E 69.20       S 2                                  76
CR2 Z 0046                 69.65       S 2                                  78
CR2 NS0046                                  12.3H0.06ML          0.25 200  78
CR2 EW0046                                  11.0H0.05ML          0.25 200  78
CGH Z 0046                 69.42       S 4                                  77
     -1
270390 LOWNET    LN 689   2048     12.5       5.0DWR    LDOUNE,CENTRAL       1
       14 722.39  265.06/ 700.55   7.5 0.4              56.179   -4.174    2
  6 10 197 0.09  3.8   6.5 D C*D MAGNITUDE FROM VERTICALS                    3
EAB Z 140724.91       P 0IU26.52       S 2ED25.4H0.09ML          0.25 200  10
EBH Z 140729.72       P 3E 34.96       S 3E                                 42
ELO Z 140729.90       P 3E 35.59       S 3E  3.3H0.16ML          0.25 200  43
     -1
280390 LOWNET    LN 690    130     12.5       5.0DWR    LPEEBLES,BORDERS     1
       1645 1.47  333.23/ 644.45   7.9-0.2              55.689   -3.062    2
  8  9 257 0.31  3.1   3.8 D C*D                                            3
EBL Z 164504.31       P 0IU05.21       S 1IU 7.7H0.09M           1.0 200   10
EDI Z 164506.49       P 3E 10.40       S 3E  1.5H0.15M           0.25 200  27
EDI NS1645               E 10.40       S  E  3.1H0.11ML          0.25 200  27
EDI EW1645               E                E  1.3H0.21ML          0.25 200  27
EAU Z 164506.77       P 2EU10.81       S 2E  2.1H0.11M           0.25 200  30
ESY Z 164507.78       P 3E 12.89       S 3E                                 38
     -1
280390N WALES                                   5.0RITCHIELLLEYN,GWYNEDD     1
       175147.84  240.41/ 343.60  24.6 0.6              52.966   -4.376    2
 19  4  85 0.08  0.3   0.5 A A*A AFTERSHOCK                                 3
WCB Z 175156.69       P 3E 62.12       S 3                                  47
WCB NS1751                                  3.4 H0.08ML          0.25 200  47
WCB EW1751                                  3.2 H0.06ML          0.25 200  47
YRC Z 175154.65       P 2E 59.40       S 2                                  34
YRE Z 175151.78       P 1IU54.58       S 1                                   4
WLF Z 175155.12       P 3E 59.63       S 1                                  36
YLL Z 175153.31       P 1IU57.07       S 1                                  24
WLC NS1751                                  4.6 H0.15ML          1.0  200  40
WLC EW1751                                  1.75H0.09ML          1.0  200  40
WLC Z 175155.10       P 1IU60.73       S 1                                  40
YRH Z 175153.20       P 1IU56.89       S 1                                  23
WBR Z 175154.70       P 2E 59.19       S 3                                  35
WST Z 175153.68       P 2E 57.61       S 2                                  26
WFB Z 175155.28       P 3E                                                  39
     -1
020490N WALES+   WA 245            12.5       5.0NSH    LBISHOP'S CASTLE,SHROPS1
       134634.20  329.67/ 282.37  14.3 5.1          6    52.434   -3.035    2
 18 14  63 0.12  0.5   0.6 A A*A FELT THROUGHOUT ENGLAND & WALES             3
HLM Z 134637.63       P 01U                                                 14
HTR Z 134641.69       P 0IU                                                 43
HCG Z 134642.13       P 0IU                                                 44
MCH Z 134642.71       P 0IU48.99       S 1                                  49
SBD Z 134643.52       P 0ID                                                 55
HAE Z 134643.93       P 0ID                                                 55
KWE Z 134650.9        P 0IU                                                104
CWF Z 134653.49       P 1IU                                                122
WPM Z 134651.84       P 0ID                                                109
KEY Z 134656.90       P 2E                                                 141
WLC Z 134647.5        P 1ID57.85       S 1                                  80
KBI Z 134656.29       P 0IU                                                137
WVR Z 134643.99       P 1ID                                                 56
WBR Z 134646.76       P 1ID                                                 75
WFB Z 134646.60       P 1ID                                                 74
KTG Z 134662.25       P 1IU                                                180
     -1
020490HEREFORD   HF 566            12.5       5.0NSH    LBISHOP'S CASTLE,SHROPS1
       22 414.38  330.03/ 282.53  17.5 1.0              52.436   -3.029    2
  6 13 153 0.08  1.4   4.3 C B*C AFTERSHOCK                                 3
MCH Z 220422.58       P 3E 29.18       S 1                                  49
MCH NS2204                                  12.0H0.08ML          0.25 200  49
MCH EW2204                                  14.0H0.10ML          0.25 200  49
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HCG Z 220422.38       P 2E 28.00       S 2                                  45
HTR Z 220421.8        P 3E                                                  43
HLM Z 220418.05       P 2E                                                  13
     -1
030490 LOWNET    LN 691    234     12.5      5.0DWR    LFIRTH OF LORN,S'CLYDE 1
       51415.44  168.23/ 716.80   0.0 0.8                56.287   -5.745    2
  4 88 344 0.04  0.0  0.0 C A*D MAGNITUDE FROM VERTICALS                      3
EAB Z 051430.8        P 3E 41.9        S 3E  2.1H0.16ML          0.25 200   88
ELO Z 051436.8        P 3E 52.5        S 3E  1.5H0.12ML          0.25 200  127
     -1
030490HEREFORD+  HF 567           12.5       5.0NSH    LBISHOP'S CASTLE,SHROPS1
       51842.64  329.79/ 283.38  15.6 1.5               52.444   -3.033    2
  7 13  93 0.08  1.0  1.7 B B*B AFTERSHOCK                                   3
MCH Z 051851.48       P 3E 57.45       S                                    50
MCH NS0518                                 11.5H0.12ML          1   200   50
MCH EW0518                                 08.0H0.08ML          1   200   50
SBD Z 051851.85       P 3E                                                  54
HAE Z 051852.49       P 2E                                                  56
HCG Z 051850.60       P 2E                                                  45
HGH Z 051858.28       P 3E                                                  91
HTR Z 051850.40       P 3E                                                  44
HLM Z 051846.08       P 1IU                                                 13
     -1
030490NORTH SEA                                  5.0BS      NORTHERN NORTH SEA   1
       132822.40  656.40/1124.95   6.3 1.9               59.927    2.593    2
  8170 285 0.18  7.1  8.3 D D*D                                              3
SUE Z 132848.90       P 1E 66.60       S 3E                                173
HYA Z 132857.10       P 1E 82.00       S 3I                                241
ODD1Z 132855.60       P 1E 78.40       S 3E                                226
KMY Z 132848.30       P 1E 66.70       S 3I                                170
     -1
030490KEYWORTH   KW 101           12.5       5.0NSH    LCLIPSTONE,NOTTS      1
       231854.04  458.37/ 364.95   1.2 1.2               53.178   -1.127    2
  5 28 196 0.13  0.7  2.4 C B*D                                              3
CWF Z 231862.76       P 3E 69.45       S 1                                  50
CWF NS2318                                 10.5H0.14ML          0.25 200   50
CWF EW2318                                 17.5H0.12ML          0.25 200   50
KSY Z 231861.65       P 3E                                                  43
KWE Z 231862.85       P 3E                                                  51
KBI Z 231859.24       P 3E                                                  28
     -1
040490HEREFORD+  HF 567           12.5       5.0NSH/JARLALPRAHAM,CHESHIRE   1
       23914.10  358.62/ 359.04   9.9 2.0               53.127   -2.619    2
 18 50  80 0.13  0.4  0.6 B A*C                                              3
MCH Z 023935.10       P 2E 50.05       S 2                                 128
MCH NS0239                                 07.5H0.06ML          1   200  128
MCH EW0239                                 05.0H0.12ML          1   200  128
SBD Z 023922.75       P 1ID                                                 50
HCG Z 023932.84       P 2E                                                 114
HLM Z 023926.05       P 1ID                                                 70
LLY Z 023927.41       P 3EU                                                 77
LLO Z 023927.79       P 1ID                                                 81
LBO Z 023930.10       P 2E                                                  95
LKL Z 023933.98       P 2E 48.10       S 3                                 122
LMI Z 023935.64       P 3E 50.30       S 3                                 130
LMI NS0239                                  6.5H0.21ML          1.0  200  130
LMI EW0239                                  8.5H0.17ML          1.0  200  130
LCK Z 023936.20       P 3E                                                 138
CWF Z 023930.4        P 3E 41.62       S 3                                  98
CWF NS0239                                 12.5H0.10ML          1.0  200   98
CWF EW0239                                 08.5H0.08ML          1.0  200   98
KWE Z 023923.35       P 1ID                                                 54
KBI Z 023926.8        P 2E                                                  74
WLC Z 023927.45       P 1ID36.12       S 4                                  79
WLC NS0239                                 09.0H0.14ML          1.0  200   79
WLC EW0039                                 08.0H0.08ML          1.0  200   79
     -1
040490 LOWNET    LN 691    529     12.5      5.0DWR    LCRIANLARICH,CENTRAL   1
       25634.96  239.65/ 735.85   2.7 0.8               56.487   -4.604    2
  9 37 292 0.49  9.4 17.0 D D*D                                              3
EAB Z 025641.76       P 3E 46.50       S 3E                0.25 200   37
ELO Z 025644.10       P 3E 51.42       S 2E                               55
EBH Z 025648.58       P 3E 57.50       S 3E                               73
EDU Z 025651.50       P 3E 64.70       S 3E                               98
EDI Z 025652.50       P 4E 67.50       S 3E  0.7H0.11M          0.25 200  108
EDI NS0256               E                E  1.5H0.11ML         0.25 200  108
EDI EW0256               E                E  1.3H0.27ML         0.25 200  108
     -1
040490 LOWNET    LN 691    530     12.5      5.0DWR    LCRIANLARICH,CENTRAL   1
       257 2.05  240.69/ 734.51   2.3 1.1               56.476   -4.587    2
  9 35 291 0.31 12.5  9.0 D D*D                                              3
EAB Z 025708.44       P 2E 13.33       S 2E                                36
ELO Z 025711.48       P 3E 18.31       S 2E                                54
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EBH Z 025714.90        P 2EU23.96        S 3E                                  71
EDU Z 025717.82        P 3E 30.90        S 3E                                  97
EDI Z 025720.20        P 3E 34.20        S 2E  1.5H0.13M          0.25 200    107
EDI NS0257               E                 E  3.0H0.11ML         0.25 200    107
EDI EW0257               E                 E  2.5H0.28ML         0.25 200    107
     -1
040490 LOWNET    LN 691             12.5       5.0DWR    LCRIANLARICH,CENTRAL    1
       3 310.58  243.03/ 733.05   1.0 1.0                 56.464   -4.548      2
 10 33 287 0.47 14.8 10.2 D D*D                                                 3
EAB Z 030316.99        P 3E 21.51        S 2E                                  33
ELO Z 030319.54        P 3E 26.53        S 2E                                  52
EBH Z 030323.10        P 2E 33.30        S 3E                                  69
EDU Z 030326.55        P 3E 39.24        S 3E                                  95
EAU Z 030327.76        P 3E              S 3E                                  97
EDI Z 030327.80        P 4E 42.26        S 2E                                 104
EDI NS0303               E                 E  3.9H0.11ML          0.25  200  104
EDI EW0303               E                 E  2.2H0.16ML           .25  200  104
     -1
040490 LOWNET    LN 691             12.5       5.0DWR/GF LCRIANLARICH,CENTRAL    1
       82123.50  249.69/ 729.15   1.0 0.9                 56.431   -4.438      2
  6 28 277 0.25 27.4 19.6 D D*D                                                 3
EAB Z 082128.72        P 2E 33.14        S 3E                                  28
ELO Z 082132.11        P 3E 37.82        S 3E                                  45
EBH Z 082134.79        P 2E 42.08        S 3E                                  61
EDI Z 082140.92        P 4E 54.48        S 4E                                  96
EDI NS0821               E                 E  3.9H0.10ML          0.25 200     96
EDI EW0821               E                 E  3.8H0.08ML          0.25 200     96
     -1
040490 LOWNET    LN 691             12.5       5.0DWR/GF LCRIANLARICH,CENTRAL    1
       93533.84  243.09/ 734.15   2.7 1.1                 56.473   -4.548      2
  8 34 287 0.29  9.2 18.4 D D*D                                                 3
EAB Z 093540.08        P 2E 44.69        S 2E                                  34
ELO Z 093542.83        P 2E 49.30        S 2E                                  52
EBH Z 093546.13        P 2E 55.60        S 3E                                  69
EDU Z 093550.14        P 3E 62.44        S 3E                                  95
EDI Z 093550.67        P 4E 65.91        S 3E                                 104
EDI NS0935               E                 E  3.9H0.13ML          0.25  200  104
EDI EW0935               E                 E  3.5H0.18ML           .25  200  104
     -1
040490 LOWNET    LN 691             12.5       5.0DWR/GF LCRIANLARICH,CENTRAL    1
       94653.76  240.73/ 734.00   2.7 0.4                 56.471   -4.586      2
  6 35 296 0.30  1.5  2.8 D C*D MAGNITUDE FROM VERTICALS                        3
EAB Z 094700.14        P 3E 04.78        S 3E  3.9H0.16ML          0.25 200    35
ELO Z 094702.96        P 3E 09.80        S 3E                                  54
EBH Z 094706.32        P 2E 15.66        S 3E                                  71
     -1
040490 LOWNET    LN 691             12.5       5.0DWR/GF LCRIANLARICH,CENTRAL    1
       112316.46 240.94/ 734.77   3.6 1.0                 56.478   -4.583      2
  6 36 296 0.34  0.1  0.2 D C*D                                                 3
EAB Z 112322.92        P 2EU27.50        S 3E                                  36
ELO Z 112325.70        P 3E 32.30        S 3E                                  54
EBH Z 112329.10        P 2E 38.17        S 3E                                  71
EDI Z 112333.82        P 4E 48.92        S 3E                                 107
EDI NS1123               E                 E  4.0H0.10ML          0.25 200    107
EDI EW1123               E                 E  2.7H0.11ML          0.25 200    107
     -1
040490LOWNET+    LN 691             12.5       5.0DWR/GF LCRIANLARICH,CENTRAL    1
       125338.71 242.69/ 733.07   5.0 1.7                 56.464   -4.554      2
 13 33 255 0.28  1.9  2.0 C B*D                                                 3
EAB Z 125344.71        P 1IU49.32        S 2E                                  33
ELO Z 125347.50        P 1IU54.22        S 2E                                  52
EBH Z 125350.79        P 2E 59.67        S 3E                                  69
EDU Z 125354.75        P 2E 66.32        S 3E                                  95
EBL Z 125359.72        P 3E 74.98        S 3E                                 121
ESY Z 125401.47        P 3E 18.19        S 3E                                 135
EDI NS1254                             12.1H0.32ML          0.25 200    104
EDI EW1254                             10.1H0.32ML          0.25 200    104
PCO Z 125349.37        P 2E 56.23        S 3E                                  60
PMS Z 125350.90        P 2E 58.96        S 2E                                  70
PGB Z 125351.62        P 4E 59.98        S 3E                                  73
PGB NS1253                              9.4H0.31ML          0.25 200     73
PGB EW1253                              6.6H0.19ML          0.25 200     73
PCA Z 125354.64        P 3E                                                   87
EDI Z 125355.0         P 4E                                                  104
     -1
050490LOWNET                       12.5       5.0DWR/GF LCRIANLARICH,CENTRAL    1
       202846.79 240.72/ 734.21   2.1 1.0                 56.473   -4.586      2
  6 35 296 0.36 10.8  7.9 D D*D                                                 3
EAB Z 202853.06        P 3E 58.07        S 3                                   35
ELO Z 202856.12        P 3E 63.01        S 3                                   54
EBH Z 202859.61        P 2E 68.59        S 3                                   71
EDI Z 202903.13        P 4E 18.99        S 3                                  106
EDI NS2029                              2.4H0.11ML          0.25 200    106
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EDI EW2029                                    3.0H0.19ML          0.25 200  106
     -1
050490LOWNET     LN 691          12.5      5.0DWR/GF LCRIANLARICH,CENTRAL   1
       204059.44  242.99/ 735.69  1.0 0.5                56.487   -4.550    2
  9 36 287 0.39 10.6  7.7 D D*D                                             3
EAB Z 204106.39       P 3E 10.99      S 3                                  36
ELO Z 204108.48       P 3E 15.66      S 3                                  52
EBH Z 204112.32       P 3E 21.64      S 3                                  70
EDU Z 204115.30       P 3E 27.25      S 3                                  95
EDI Z 204114.0        P 4E 31.69      S 3                                 105
EDI NS2041                                    2.0H0.09ML          0.25 200  105
EDI EW2041                                    1.6H0.07ML          0.25 200  105
     -1
050490LOWNET     LN 691          12.5      5.0DWR/GF LCRIANLARICH,CENTRAL   1
       205234.62  239.08/ 733.91  1.0 1.0                56.470   -4.613    2
  7 36 293 0.22 17.0 12.7 D D*D                                             3
EAB Z 205241.50       P 2E 46.19      S 3                                  36
ELO Z 205244.32       P 2E 52.20      S 3                                  56
EBH Z 205247.63       P 2E 56.82      S 3                                  73
EDU Z 205251.44       P 3E                                                 99
EDI Z 205251.52       P 4E 66.88      S 3                                 107
EDI NS2052                                    3.1H0.13ML          0.25 200  107
EDI EW2052                                    3.6H0.09ML          0.25 200  107
     -1
060490SHROPSHIRE SA 002         12.5      5.0NSH    LMONTGOMERY,SHROPSHIRE 1
        02953.87  325.21/ 303.02  5.3 0.1                52.619   -3.105    2
  6 19 321 0.05  9.8 74.7 D D*D                                             3
SLM Z 002957.28       P 2E 59.75      S 2E                                 19
SLM NS0029                                   10.7H0.04ML          0.25 100   19
SLM EW0029                                   07.9H0.05ML          0.25 100   19
HLM Z 002957.29       P 1IU59.85      S 2E                                 19
SGD Z 002957.65       P 2E 60.30      S 2E                                 21
SGD NS0029                                   08.6H0.06ML          0.25 100   21
SGD EW0029                                   07.1H0.10ML          0.25 100   21
     -1
060490LOWNET     LN 691          12.5      5.0DWR/GF LCRIANLARICH,CENTRAL   1
        139 8.80  240.13/ 732.70  2.4 0.7                56.459   -4.595    2
  7 34 296 0.37  2.4  1.8 D C*D                                             3
EAB Z 013915.03       P 3E 19.48      S 3                                  34
ELO Z 013918.18       P 2E 25.07      S 3                                  54
EBH Z 013921.54       P 2E 30.79      S 3                                  71
EDI Z 013926.94       P 4E 40.24      S 3                                 106
EDI NS0139                                    2.2H0.13ML          0.25 200  106
EDI EW0139                                    1.6H0.10ML          0.25 200  106
     -1
060490LOWNET     LN 691          12.5      5.0DWR/GF LCRIANLARICH,CENTRAL   1
        95254.60  233.06/ 733.82  2.2 0.8                56.467   -4.710    2
  6 39 306 0.73 39.5 30.0 D D*D                                             3
EAB Z 095301.47       P 3E 06.55      S 3                                  39
ELO Z 095304.87       P 3E 12.42      S 3                                  62
EBH Z 095309.50       P 2E 18.91      S 3                                  78
EDI Z 095312.13       P 4E 28.89      S 3                                 112
EDI NS0953                                    3.0H0.10ML          0.25 200  112
EDI EW0953                                    1.6H0.12ML          0.25 200  112
     -1
100490LANCS+     LA 036          12.5      5.0JAR    LRAVENGLASS,CUMBRIA    1
        44939.07  309.45/ 498.25  6.3 0.6                54.372   -3.394    2
 10 16  92 0.11  0.4  0.6 B A*C                                             3
LMI Z 044942.71       P 0ID45.11      S 2                                  18
LMI NS0449                                    2.7H0.12ML           1.0 200   18
LMI EW0449                                    4.9H0.10ML           1.0 200   18
LCK Z 044945.36       P 3E 49.45      S 3                                  34
LKL Z 044949.66       P 4E 56.22      S 3                                  59
XDE Z 044942.31       P 1ID44.60      S 3                                  16
ECK Z 0449                65.54       S 3                                  92
ESK Z 0449                69.21       S 3                                 106
ESK NS0449                                    2.5H0.11ML          0.25 200  106
ESK EW0449                                    3.4H0.11ML          0.25 200  106
WIM Z 044953.90       P 4  63.99      S 3                                  87
     -1
130490 LOWNET    LN 693    836     12.5      5.0DWR    LCLACKMANNAN,CENTRAL   1
       202331.38  296.02/ 695.54  3.4 0.4                56.141   -3.674    2
  8 16 124 0.16  1.4  3.9 B B*B COALFIELD TYPE                              3
EBH Z 202335.08       P 2EU37.60      S 3E                                 16
EAU Z 202337.51       P 2E 42.74      S 3E                                 36
EDI Z 202338.25       P 3E 43.80      S 3E 1.0H0.29M      0.25 200         39
EDI NS2023               E               E 1.8H0.45ML     0.25 200         39
EDI EW2023               E               E 1.9H0.20ML     0.25 200         39
EAB Z 202338.80       P 3E 44.20      S 3E                                 42
     -1
150490 E ANGLIA+                              5.0       RSOUTHERN NORTH SEA    1
       12 541.43 694.45  343.75   0.0 2.4                52.914    2.384    2
 10 64 310 0.26  5.5  4.7 D D*D                                             3
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AWI Z 120552.40       P 2E 61.58       S 2                                    64
ABA Z 120555.27       P 3E 66.98       S 2                                    83
APA Z 120557.28       P 2E                    3.6H0.19ML          2.5  200   92
CWF Z 120619.45       P 3E 46.60       S 3                                   250
CWF NS1206                                   13.0H0.25ML          0.25 200   250
CWF EW1206                                    7.7H0.20ML          0.25 200   250
KSY Z 120613.28       P 3E 37.59       S 4                                   200
KWE Z 120623.25       P 3E                                                   284
KUF Z 120612.16       P 2E 35.25       S 4                                   190
     -1
150490 LOWNET    LN 693   1385      12.5      5.0DWR    LROSEWELL,LOTHIAN      1
       122531.82  329.30/ 662.72   0.2 0.5                55.852   -3.129    2
 10  9 119 0.06  0.2  0.2 B A*B COALFIELD TYPE                                 3
EDI Z 122533.99       P 0IU35.54       S 2EU 7.5H0.31M          1.0 200     9
EDI NS1225               IU               ED 4.5H0.30ML          1.0 200     9
EDI EW1225               ID               ID 3.5H0.29ML          1.0 200     9
EBL Z 122534.33       P 1ID36.30       S 2EU                                  10
EAU Z 122536.20       P 2EU39.42       S 3E                                   20
ESY Z 122538.30       P 2E 43.20       S 3E                                   33
EBH Z 122541.10       P 3E 47.88       S 3E                                   50
     -1
170490SHROPSHIRE+SA 005            12.5       5.0NSH    LBISHOP'S CASTLE,SHROPS1
       05234.11  330.19/ 284.32  15.0 0.7                52.452   -3.027    2
 16  1  62 0.10  0.4  0.4 A A*A AFTERSHOCK                                    3
SGD Z 005236.78       P 2E 38.50       S 1                                     1
SGD NS0052                                   06.5H0.06ML          01   100     1
SGD EW0052                                   06.5H0.06ML          01   100     1
SBK Z 005237.95       P 1IU                                                  19
SWB Z 005239.64       P 1ID43.82       S 1                                   29
SBH Z 005239.25       P 2E                                                   26
SST Z 005238.88       P 1ID                                                  24
SNE Z 005238.31       P 2E                                                   19
SWC Z 005238.70       P 1ID                                                  22
SSP Z 005236.96       P 1IU39.00       S 1                                    7
SSP NS0052                                   11.5H0.05ML          10   100     7
SSP EW0052                                   03.5H0.04ML          10   100     7
HLM Z 005237.18       P 1IU                                                  12
SBC Z 005236.85       P 2E 38.90       S 1                                    6
SBC NS0052                                   04.0H0.06            10   100     6
SBC EW0052                                   03.5H0.06            10   100     6
SOB Z 005236.95       P 1ID38.98       S 1                                    8
SOB NS0052                                   06.2H0.05            10   100     8
SOB EW0052                                   06.2H0.08            10   100     8
     -1
180490 LOWNET    LN 693   2213      12.5      5.0DWR    LCLACKMANNAN,CENTRAL   1
        048 2.47  295.26/ 693.51   0.2 1.4                56.123   -3.685    2
 11 18 125 0.24  0.7  1.2 C B*C COALFIELD TYPE                                3
EBH Z 004806.00       P 2ED09.60       S 3E                    1.0 200    18
EAU Z 004808.91       P 2ED14.50       S 3E                                   34
ELO Z 004809.63       P 3E 15.48       S 2EU                                  39
EDI Z 004809.60       P 2ED15.39       S 2E  1.9H0.60M          1.0 200    38
EDI NS0048               E                ED 2.0H0.80ML          1.0 200    38
EDI EW0048               E                E  3.8H0.48ML          1.0 200    38
EAB Z 004810.59       P 2EU16.04       S 2EU                                  41
EBL Z 004812.45       P 3E                                                   56
EDU Z 004813.32       P 3E                                                   63
ESY Z 004815.50       P 3E                                                   71
     -1
180490KEYWORTH+  KW 103            12.5       5.0NSH    LBROMSGROVE,W MIDLANDS 1
       13324.52  395.94/ 273.51   8.8 1.2                52.359   -2.060    2
  6 66 296 0.05  1.4  0.9 C B*D                                               3
CWF Z 013335.72       P 2E                                                   66
CWF NS0133                                   04.0H0.06ML          1.0  200    66
CWF EW0133                                   05.0H0.05ML          1.0  200    66
KSY Z 013344.28       P 1I 58.5        S 1                                  120
KWE Z 013337.25       P 2E                                                   75
KBI Z 013342.10       P 1I                                                  106
KUF Z 013343.88       P 3E                                                  117
MCH NS0133                                   06.8H0.05ML          1.0  200    75
MCH EW0133                                   07.1H0.05ML          1.0  200    75
     -1
190490 LOWNET    LN 694    444      12.5      5.0DWR    LBLAIRHALL,FIFE        1
       1535 6.47  298.84/ 692.00   0.1 1.0                56.110   -3.627    2
  8 17 193 0.18  0.9  0.8 C B*D COALFIELD TYPE                                 3
EBH Z 153510.20       P 2EU13.30       S 3E                                   17
EAU Z 153512.69       P 2ED17.60       S 3E                                   32
EDI Z 153512.91       P 2E 18.29       S 2E  4.0H0.60M          0.25 200    35
EDI NS1535               E                EU 6.0H0.70ML          0.25 200    35
EDI EW1535               E                E  3.5H0.50ML          0.25 200    35
ELO Z 153514.08       P 2E 20.00       S 2EU                                  41
     -1
200490N WALES                                5.0RITCHIELLLEYN,GWYNEDD         1
       02227.07  238.56/ 342.42  24.8 2.0                52.954   -4.404    2
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 21  3 105 0.09  0.3  0.8 B A*B AFTERSHOCK                                  3
WCB Z 002235.90       P 1IU41.86       S 2                                48
WCB NS0022                                    8.1 H0.08ML          2.5  200  48
WCB EW0022                                   17.1H0.07ML           2.5  200  48
YRC Z 002233.90       P 1ID                                              35
YRE Z 002231.00       P 1IU                                               3
WPM Z 002235.68       P 1IU41.47       S 3                               48
WLF Z 002234.12       P 1ID39.03       S 2                               37
WME Z 002235.89       P 2E 42.22       S 2                               50
YLL Z 002232.75       P 1IU                                              26
WLC Z 002235.03       P 1IU40.50       S 1  7.0 H0.11ML          0.25   4  42
YRH Z 002232.25       P 1IU                                              20
WVR Z 002236.88       P 2E                                               57
WST Z 002233.17       P 1IU37.20       S 1                               28
WFB Z 002234.42       P 1ID39.61       S 1                               39
WBR Z 002234.03       P 1ID38.80       S 1                               36
     -1
230490N WALES                                  5.0RITCHIELLLEYN,GWYNEDD      1
       54941.88  238.74/ 344.75  23.5 0.6                 52.976   -4.402    2
  9  2 113 0.05  0.4  0.5 B A*B AFTERSHOCK                                  3
WLC Z 054949.70       P 3E 55.0        S 3                               42
WLC NS0549                                    5.7 H0.13ML          0.25 200  42
WLC EW0549                                    6.1 H0.10ML          0.25 200  42
YRH Z 054947.07       P 1IU50.65       S 1                               22
WBR Z 0549               53.57         S 3                               37
YRE Z 054945.63       P 2E 48.31       S 3                                2
YLL Z 054947.31       P 2E 51.00       S 1                               24
     -1
270490 LOWNET    LN 695    618      12.5      5.0DWR    LGLEN LYON,TAYSIDE     1
        3 855.68  254.56/ 741.30   1.5 0.7                 56.541   -4.366    2
  8 39 272 0.28 12.3  8.8 D D*D                                             3
EAB Z 030902.96       P 3E 08.29       S 3E 2.1H0.09M          0.25 200   39
ELO Z 030903.00       P 2E 08.59       S 3E 1.7H0.12M          0.25 200   41
EBH Z 030907.27       P 2E 15.62       S 3E 1.8H0.13M          0.25 200   62
EDU Z 030910.10       P 2E 20.52       S 3E                               83
EDI Z 030912.7        P 4E 26.80       S 3E 1.0H0.18M          0.25 200  101
EDI NS0309               E                E 1.3H0.15ML         0.25 200  101
EDI EW0309               E                E 1.1H0.20ML         0.25 200  101
     -1
290490 CORNWALL                                5.0       LTREVOSE HEAD,CORNWALL 1
       01819.56  168.52/  71.25   0.8 1.6                 50.495   -5.264    2
  9 31 270 0.08  0.9109.6 D C*D                                             3
CSA Z 001824.89       P 1ID                                              31
CST Z 001825.62       P 1ID                                              34
CCA Z 001825.70       P 1ID30.15       S 1                               34
CCO Z 001826.63       P 1ID                                              40
CPZ Z 001827.04       P 1IU                                              44
CGH Z 001828.26       P 1ID                                              50
CR2 Z 001826.10       P 1ID30.84       S 1                               37
CR2 NS0018                                    8.1 H0.05ML          2.5 200   37
CR2 EW0018                                   19.1H0.10ML           2.5 200   37
     -1
290490SHROPSHIRE+SA 009          12.5      5.0NSH    LBISHOP'S CASTLE,SHROPS1
       55237.18  330.21/ 284.23  15.7 0.0                 52.451   -3.027    2
 14  1  86 0.09  0.6  0.4 A A*A AFTERSHOCK                                  3
SGD Z 055240.10       P 3E 41.88       S 1                                1
SGD NS0552                                   10.5H0.10ML          0.25 100   1
SGD EW0552                                    7.1H0.09ML          0.25 100   1
SBK Z 055241.24       P 2E                                               19
SWC Z 055241.98       P 3E                                               22
SST Z 055242.02       P 2E                                               24
SBH Z 055242.3        P 3E                                               26
SWB Z 055242.94       P 3E                                               29
SSP Z 055240.02       P 2E 42.13       S 2                                7
HLM Z 055240.39       P 2E                                               12
SBC Z 055240.02       P 2E 42.07       S 2                                6
SOB Z 055240.16       P 1ID42.30       S 1                                8
     -1
300490N WALES                                  5.0RITCHIELBETWS-Y-COED,GWYNEDD 1
      123035.91  288.02/ 357.38  17.3 0.0                 53.102   -3.673    2
 13 14 214 0.09  0.6  0.7 C A*D                                             3
WLC Z 123039.60       P 1IU42.07       S 1                               14
WLC NS1230                                   12.6H0.08ML          0.25 200   14
WLC EW1230                                   18.6H0.08ML          0.25 200   14
WBR Z 123041.70       P 2E 45.65       S 3                               31
WFB Z 1230               50.97         S 2                               53
YRE Z 123044.86       P 1IU51.30       S 3                               52
WPM Z 123040.70       P 1ID43.82       S 2                               23
YLL Z 123042.23       P 2E 46.26       S 1                               34
WST Z 123041.01       P 1IU                                              26
WVR Z 1230               46.45         S 3                               34
     -1
300490 LOWNET    LN 695   1787      12.5      5.0DWR    LMOORFOOT HILLS,BORDERS1
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      153233.92  331.01/ 650.99   2.3-0.2                  55.747   -3.099    2
  4   5 245 0.03  0.0   0.0 C A*D MAGNITUDE FROM VERTICALS                      3
EBL Z 153235.21       P 0IU36.08       S 2EU                                  5
EAU Z 153238.60       P 1IU42.09       S 2EU 3.3H0.10ML          0.25 200    25
      -1
300490 JERSEY                                  5.0       LST AUBINS BAY,JERSEY  1
      233557.30  390.54/ -85.99   8.1 3.5            5    49.126   -2.130    2
  4   8 310 0.02  0.0   0.0 C A*D S OF ST AUBINS BAY, FELT  THROUGHOUT JERSEY    3
JLP Z 233560.21       P 1                                                    13
JSA Z 233559.43       P 1                                                     8
JVM Z 233559.94       P 1                                                    12
JRS Z 233559.43       P 1                                                     8
CST Z 233633.60       P 4                                                   249
CCA Z 233633.80       P 4                                                   253
CPZ Z 233636.0        P 4                                                   275
BST Z 233657.70       P 4
DU02Z 233637.70       P 4                                                   222
DU03Z 233638.65       P 4                                                   234
DU04Z 233639.10       P 4                                                   233
DU05Z 233640.80       P 4                                                   233
DU07Z 233641.60       P 4                                                   233
CTR NS233600.00       P 4                  10.5H.36 ML          1.0  200    248
CTR EW233600.00       P 4                  11.6H.37 ML          1.0  200    248
CTR Z 233600.00       P 4                                                   248
DCO Z 233627.40       P 4EU49.75       S 4E                                 183
DYA Z 233629.22       P 4E 51.92       S 4E                                 195
DYA NS2336               E                E 15.8H0.49ML          2.5 200    195
DYA EW2336               E                E 19.0H0.30ML          2.5 200    195
LPL Z 233627.30       P 4
DOMFZ 233657.70       P 4
      -1
300490 JERSEY                                  5.0       LST AUBINS BAY,JERSEY  1
      233944.46  390.27/ -84.18   9.1-0.3                  49.142   -2.133    2
  8   6 299 0.11  1.6   1.4 C B*D SOUTH OF ST AUBINS BAY                       3
JLP Z 233947.35       P 1  49.02         2                                   11
JSA Z 233946.37       P 1  48.12       S 2                                    6
JVM Z 233947.02       P 1  48.69         2                                   10
JRS Z 233946.46       P 1  48.09       S 2                                    6
      -1
300490 JERSEY                                  5.0       LST AUBINS BAY,JERSEY  1
      234410.54  390.42/ -86.46   7.7 1.1                  49.122   -2.131    2
  7   8 312 0.03  0.5   0.6 C A*D SOUTH OF ST AUBINS BAY                       3
JLP Z 234413.49       P 1  15.68       S 1                                   14
JSA Z 234412.73       P 1                                                     8
JVM Z 234413.21       P 1  15.19         1                                   12
JRS Z 234412.69       P 1  14.32       S 1                                    8
      -1
010590 JERSEY                                  5.0       LST AUBINS BAY,JERSEY  1
       0 129.18  390.45/ -86.33   8.3 0.0                  49.123   -2.131    2
  8   8 312 0.06  0.8   0.8 C A*D SOUTH OF ST AUBINS BAY                       3
JLP Z 000132.20       P 1  34.31       S 2                                   14
JSA Z 000131.37       P 1  33.01       S 2                                    8
JVM Z 000131.89       P 1  33.77       S 2                                   12
JRS Z 000131.34       P 1  32.99       S 2                                    8
      -1
010590JERSEY                                   5.0       LST AUBINS BAY,JERSEY  1
      10 754.95  390.42/ -86.13   8.4 0.2                  49.125   -2.131    2
  7   8 311 0.05  0.8   0.7 C A*D SOUTH OF ST AUBINS BAY                       3
JLP Z 100757.90       P 1  60.05       S 1                                   13
JSA Z 100757.10       P 1  58.75       S 2                                    8
JVM Z 100757.60       P 1  59.53       S 1                                   12
JRS Z 1007               58.70       S 1                                    8
      -1
010590JERSEY                                   5.0       LST AUBINS BAY,JERSEY  1
      103258.77  390.19/ -86.45   7.1 0.1                  49.122   -2.135    2
  7   8 312 0.03  0.5   0.8 C A*D SOUTH OF ST AUBINS BAY                       3
JLP Z 103261.71       P 1  63.86       S 2                                   14
JSA Z 103260.88       P 1                                                     8
JVM Z 103261.40       P 1  63.32       S 2                                   12
JRS Z 103260.87       P 1  62.49       S 2                                    8
      -1
010590JERSEY                                   5.0       LST AUBINS BAY,JERSEY  1
      174059.87  390.64/ -86.56   8.3 0.9                  49.121   -2.128    2
  8   8 313 0.05  0.7   0.7 C A*D SOUTH OF ST AUBINS BAY                       3
JLP Z 174102.88       P 1  05.09       S 2                                   14
JSA Z 174102.11       P 1  03.75       S 2                                    8
JVM Z 174102.60       P 1  04.55       S 2                                   12
JRS Z 174102.09       P 1  03.69       S 2                                    8
      -1
010590JERSEY                                   5.0       LST AUBINS BAY,JERSEY  1
      211643.29  390.78/ -86.58   8.8-0.5                  49.121   -2.126    2
  8   8 314 0.05  0.7   0.7 C A*D SOUTH OF ST AUBINS BAY                       3
JLP Z 211646.36       P 1  48.52       S 2                                   14
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JSA Z 211645.58        P 1  47.27        S 2                                  8
JVM Z 211646.05        P 1  48.06        S 2                                 12
JRS Z 211645.54        P 1  47.19        S 2                                  8
      -1
010590JERSEY                                    5.0       LST AUBINS BAY,JERSEY  1
       2151 0.45  390.41/ -86.22   8.4 1.0                 49.124   -2.131    2
  8  8 311 0.06  0.8  0.8 C A*D SOUTH OF ST AUBINS BAY                          3
JLP Z 215103.41        P 1  05.60        S 2                                 13
JSA Z 215102.64        P 1  04.22        S 2                                  8
JVM Z 215103.14        P 1  05.01        S 2                                 12
JRS Z 215102.64        P 1  04.22        S 2                                  8
      -1
020590JERSEY                                    5.0       LST AUBINS BAY,JERSEY  1
       1020 7.69  389.83/ -86.13   9.8 0.1                 49.125   -2.139    2
  5  7 323 0.01  0.5  0.7 C A*D SOUTH OF ST AUBINS BAY                          3
JLP Z 102010.71        P 1  12.94        S 2                                 13
JSA Z 102009.97        P 1                                                    7
JVM Z 102010.46        P 1  12.44        S 2                                 11
      -1
020590NORTH     SEA                             5.0        NORTHERN NORTH SEA    1
       131932.90  624.96 1060.39   1.0 2.0                 59.374    1.957    2
  4188 342 0.09  0.0  0.0 C A*D                                                3
BLS1Z 132006.00        P 1E 31.00        S 3E
KMY Z 132002.60        P 1E 24.50        S 3E                                188
ODD1Z 132013.00        P 1E 42.00        S 3E                                271
      -1
020590SHROPSHIRE SB 07             12.5       5.0NSH    LTELFORD,SHROPSHIRE    1
       143117.82  375.38/ 306.13   4.0 0.9                 52.652   -2.364    2
  6 39 345 0.07  1.9115.1 D C*D                                               3
SSP Z 143127.55        P 3E                                                   57
HLM Z 143124.38        P 2E                                                   39
SBC Z 143126.20        P 3E 32.20        S 2                                 49
SBC NS1431                                   04.0H0.10ML          0.25 100   49
SBC EW1431                                   03.5H0.10ML          0.25 100   49
SOB Z 143126.48        P 2E 32.6         S 2                                 50
SOB NS1431                                   06.5H0.05ML          0.25 100   50
SOB EW1431                                   08.1H0.08ML          0.25 100   50
      -1
020590                                          5.0BS      NORTHERN NORTH SEA    1
       1451 6.88  624.56 1067.06   1.0 1.7                 59.430    1.959    2
  4189 341 0.37  0.0  0.0 D C*D                                                3
ODD1Z 145146.00        P 1E 72.50        S 3E                                268
KMY Z 145135.50        P 1E 56.60        S 3E                                189
      -1
020590N WALES                                   5.0RITCHIELLLEYN,GWYNEDD       1
       173418.14  238.08/ 345.03  23.8 0.9                 52.978   -4.412    2
 17  1 111 0.08  0.4  0.6 B A*B AFTERSHOCK                                     3
WCB Z 173426.31        P 4E 32.51        S 3                                 46
YRC Z 173424.51        P 3E                                                   32
YRE Z 173421.98        P 1ID24.20        S 3                                  1
WPM Z 173426.48        P 3E                                                   46
WLF Z 173425.00        P 3E 29.70        S 3                                 35
YLL Z 173423.51        P 2E 27.40        S 2                                 24
WLC Z 173426.00        P 3E 31.38        S 1                                 43
WLC NS1734                                   2.5 H0.13ML          1.0  200   43
WLC EW1734                                   3.2 H0.09ML          1.0  200   43
YRH Z 173423.32        P 1IU26.92        S 1                                 22
WBR Z 173425.40        P 3E 29.95        S 2                                 37
WST Z 173424.19        P 2E 28.30        S 1                                 28
      -1
020590LANCS+     LA 041             12.5       5.0JAR    LALPRAHAM,CHESHIRE     1
       215428.08  358.01/ 362.28   7.8 1.0                 53.156   -2.628    2
 12 55 132 0.19  0.6  2.2 C B*D                                                3
LLO Z 215441.20        P 3E 50.12        S 3                                 77
LBO Z 215443.67        P 3E 53.62        S 3                                 92
LKL Z 2154                60.98        S 3                                119
LMI Z 2154                63.70        S 3                                127
LMI NS2154                                   2.7H0.10ML           0.25 200  127
LMI EW2154                                   1.8H0.23ML           0.25 200  127
LCK Z 2154                65.30        S 3                                135
KWE Z 215437.58         3E 44.13        S 3                                 55
WVR Z 2154                50.10        S 3                                 77
WLC Z 2154                50.69        S 3                                 79
WLC NS2154                                   2.5H0.30ML           0.25 200   79
WLC EW2154                                   3.5H0.18ML           0.25 200   79
WPM Z 2154                52.60        S 3                                 86
      -1
040590 JERSEY                                   5.0       LST AUBINS BAY,JERSEY  1
        65829.66  390.91/ -85.95   8.5 0.5                 49.126   -2.125    2
  7  8 311 0.04  0.9  0.7 C A*D SOUTH OF ST AUBINS BAY                          3
JLP Z 065832.61        P 1                                                    13
JSA Z 065831.84        P 1  33.46        S 2                                  8
JVM Z 065832.32        P 1  34.30        S 2                                 12
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JRS Z 065831.81       P 1  33.39       S 2                                    8
     -1
040590JERSEY                                    5.0       LST AUBINS BAY,JERSEY  1
       92248.99  387.89/ -82.84  12.3-0.1                    49.154   -2.166    2
  5  4 285 0.12  4.2  2.4 D C*D SOUTH OF ST AUBINS BAY                          3
JLP Z 092249.96       P 1  52.93       S 2                                   11
JSA Z 0922                 53.14       S 4                                    4
JVM Z 0922                 51.24       S 2                                    8
JRS Z 0922                 51.31       S 2                                    7
     -1
050590SHROPSHIRE SB08              12.5       5.0NSH    LBISHOP'S CASTLE,SHROPS1
       181624.92  330.07/ 283.63  16.0-0.4                   52.446   -3.029    2
  7  6 115 0.03  0.4  0.4 B A*B AFTERSHOCK                                      3
SSP Z 181627.84       P 1I 29.93       S 1                                    6
SSP NS1816                                  18.0H0.02ML          0.25 100     6
SSP EW1816                                  07.5H0.04ML          0.25 100     6
HLM Z 181628.32       P 2E                                                   12
SBC Z 181627.90       P 2E 29.96       S 2                                    7
SBC NS1816                                  05.2H0.08ML          0.25 100     7
SBC EW1816                                  04.5H0.05ML          0.25 100     7
SOB Z 181627.95       P 2E 30.05       S 2                                    7
SOB NS1816                                  08.5H0.04ML          0.25 100     7
SOB EW1816                                  10.1H0.02ML          0.25 100     7
     -1
050590 LOWNET    LN 696   1215      12.5       5.0DWR    LMOORFOOT HILLS,BORDERS1
       231352.31  332.59/ 649.82   6.0 0.9                   55.737   -3.074    2
 15  4 241 0.19  1.2  0.5 C B*D                                                3
EBL Z 231353.84       P 0IU54.88       S 2ED                  1.0 200     4
EDI Z 231356.61       P 3E 59.81       S 2ED 7.6H0.21M        1.0 200    22
EDI NS2313               E                ID 8.5H0.19ML      1.0 200    22
EDI EW2313               E                 E 6.9H0.19ML      1.0 200    22
EAU Z 231357.22       P 0IU60.62       S 2ED                             27
ESY Z 231358.79       P 0IU63.01       S 2E                              35
EBH Z 231403.40       P 2ED10.90       S 3E                              63
EDU Z 231407.76       P 2EU                                              90
ELO Z 231407.79       P 2EU18.45       S 2E                              91
EAB Z 231407.86       P 2E 18.95       S 3E                              94
     -1
060590 LOWNET    LN 696   1288      12.5       5.0DWR    LMOORFOOT HILLS,BORDERS1
        43135.42  331.88/ 648.88   3.8 0.4                   55.729   -3.085    2
 10  6 245 0.13  1.0  1.3 C A*D                                                3
EBL Z 043136.98       P 0IU37.90       S 2EU16.8H0.08M        2.5 200     6
EDI Z 043139.91       P 2EU42.85       S 2E  9.5H0.31M       0.25 200    23
EDI NS0431               E                EU 6.4H0.38ML     0.25 200    23
EDI EW0431               E                ED 3.7H0.32ML     0.25 200    23
EAU Z 043140.34       P 1IU43.82       S 2IU                             27
ESY Z 043141.93       P 1IU46.18       S 3E                              36
EBH Z 043146.59       P 3E 54.50       S 3E                              64
     -1
060590 LOWNET    LN 696   1340      12.5       5.0DWR    LMOORFOOT HILLS,BORDERS1
         822 5.26  332.55/ 651.66   5.6-0.5                   55.754   -3.075    2
  8  3 235 0.22  2.1  1.0 C B*D                                                3
EBL Z 082206.54       P 0IU07.45       S 2EU13.5H0.08M        1.0 200     3
EDI Z 082209.80       P 3E 12.05       S 3E  4.3H0.19M       0.25 200    20
EDI NS0822               E                 E  2.8H0.10ML     0.25 200    20
EDI EW0822               E                 E  2.5H0.14ML     0.25 200    20
EAU Z 082210.45       P 3E 13.33       S 3E                              26
ESY Z 082211.67       P 3E 15.80       S 3E                              34
     -1
060590JERSEY                                    5.0       LST AUBINS BAY,JERSEY  1
       131916.87  389.96/ -86.55   7.2-0.8                   49.121   -2.138    2
  6  8 312 0.03  0.6  1.2 C A*D SOUTH OF ST AUBINS BAY                          3
JLP Z 131919.84       P 1  21.98       S 2                                   14
JSA Z 131918.98       P 1                                                    8
JVM Z 131919.49       P 1  21.42       S 2                                   12
JRS Z 131919.01       P 1                                                    8
     -1
070590 LOWNET    LN 696   1584      12.5       5.0DWR    LMOORFOOT HILLS,BORDERS1
         2 414.09  331.43/ 650.04   6.0-0.6                   55.739   -3.092    2
  8  5 241 0.17  1.7  0.9 C B*D                                                3
EBL Z 020415.70       P 0IU16.61       S 2E 14.5H0.07M        1.0 200     5
EDI Z 020418.44       P 3E 21.53       S 3E  1.9H0.10M       0.25 200    21
EDI NS0204               E                 E  2.4H0.13ML     0.25 200    21
EDI EW0204               E                 E  1.4H0.11ML     0.25 200    21
EAU Z 020418.91       P 3E 22.22       S 3E                              26
ESY Z 020420.80       P 3E 25.11       S 3E                              36
     -1
090590MORAY+     MN 476                         5.0BS     LFORT WILLIAM,HIGHLAND 1
        01927.99  205.37/ 781.51   3.5 1.3                   56.884   -5.195    2
 13 39 159 0.27  1.2  2.3 C B*C                                                3
MCD Z 001951.42       P 3E 66.91       S 3E                                 142
MCD NS0019                                  03.7H0.10ML          0.25 200   142
MCD EW0019                                  05.0H0.12ML          0.25 200   142
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MME Z 001952.20        P 2E                                                145
MVH Z 0020                  06.11        S 3E                               130
KPL Z 001938.42        P 1E 45.33        S 1E                                55
KPL NS0019                                     06.0H0.14ML          0.25 200   55
KPL EW0019                                     08.0H0.18ML          0.25 200   55
KAR Z 001935.29        P 1IU39.90        S 2E                                36
KSB Z 001935.17        P 1E 39.80        S 2E                                36
ELO Z 001944.63        P 2E 57.28        S 3                                100
EDU Z 001950.86        P 3E                                                 137
EDI Z 0020                  13.44        S 3                                161
EDI NS0020                                     4.1H0.22ML           0.25 200   161
EDI EW0020                                     3.9H0.23ML           0.25 200   161
     -1
110590 LOWNET    LN 697                          5.0       LTYNDRUM,CENTRAL      1
       135933.27  236.51/ 725.54   1.0 1.0                    56.394   -4.649    2
  5 30 301 0.10  9.0  6.6 D D*D                                                  3
EAB Z 135939.04        P 2E 43.30        S 3                                 30
ELO Z 135943.77        P 2E                                                  59
EBH Z 135946.24        P 3E                                                  73
EDI Z 135950.27        P 3E 63.54        S 3                                105
EDI NS1359                                     4.4H0.12ML           0.25 200   105
EDI EW1359                                     3.1H0.11ML           0.25 200   105
     -1
130590 CORNWALL                                5.0ABW    LPORTREATH,CORNWALL     1
       111943.67  158.03/  48.41   2.8 0.1                    50.285   -5.397    2
  7 16 258 0.04  0.6 19.3 D C*D NORTHWEST OF PORTREATH                          3
CCA Z 111946.90        P 1                                                   16
CST Z 111947.40        P 1                                                   20
CPZ Z 111947.45        P 1                                                   20
CR2 Z 111947.67        P 1  50.61        S 2                                 21
CGH Z 111949.50        P 2  53.50        S 2                                 31
CR2 NS1119                                  3.8 H0.05ML           1.0  200   21
CR2 EW1119                                  6.0 H0.05ML           1.0  200   21
     -1
140590 LOWNET    LN 697                          5.0       LTRANENT,LOTHIAN      1
       2030 4.12  338.96/ 671.19   3.3-0.2                    55.930   -2.977    2
  5 13 187 0.13  0.5 14.7 D C*D                                                 3
EDI Z 203006.94        P 2E 08.42        S 3                                 13
EDI NS2030                                     4.6H0.13ML           0.25 200   13
EDI EW2030                                     3.9H0.23ML           0.25 200   13
EBL Z 203007.71        P 2E 09.96        S 3                                 18
ESY Z 203008.44        P 3E                                                  23
     -1
150590N WALES+                                 5.0RITCHIELIRISH SEA            1
       201410.90  167.92/ 355.92   8.4 1.5                    53.050   -5.463    2
 28 61 114 0.25  0.9  2.8 C B*D                                                  3
WCB Z 201423.09        P 2IU31.09        S 2                                 71
YRC Z 201421.82        P 2EU                                                 64
YRE Z 201422.93        P 1ID31.10        S 2                                 70
WPM Z 201428.61        P 3E                                                  107
WLF Z 201423.89        P 1ID32.21        S 2                                 76
WIM Z 201432.57        P 2E 47.91        S 2                                133
YLL Z 201425.50        P 3E 35.45        S 2                                 87
WLC Z 201429.71        P 2E 41.75        S 3                                113
WLC NS2014                                  6.6 H0.14ML           1.0  200   113
WLC EW2014                                  4.9 H0.10ML           1.0  200   113
YRH Z 201421.11        P 1ID28.39        S 3                                 61
WVR Z 201431.80        P 2E 46.11        S 3                                128
WBR Z 201428.94        P 2E 40.55        S 2                                108
WST Z 201427.68        P 3E 38.71        S 2                                 99
WFB Z 201428.19        P 2EU                                                 104
ECP Z 201429.50        P 3E 43.40        S 3                                115
ETA Z 201421.40        P 2E 29.40        S 3                                 64
GIM Z 201435.20        P 3E                                                  153
GMM Z 2014                  48.49        S 3                                136
WCB NS2014                                  4.0 H0.07ML           1.0  200   71
WCB EW2014                                  3.5 H0.08ML           1.0  200   71
     -1
160590FFESTINIOG+ WF250             12.5       5.0NSH    LTELFORD,SHROPSHIRE     1
        83240.70  375.19/ 316.46  14.3 2.1                    52.745   -2.368    2
 18 43 118 0.27  1.0  1.2 C B*C                                                  3
WLC Z 083257.45        P 3E 67.92        S 1I                                99
WLC NS0832                                     06.0H0.12ML          1    200   99
WLC EW0832                                     05.6H0.20ML          1    200   99
YRH Z 083265.20        P 3E                                                  153
WVR Z 083254.80        P 3E                                                  84
WBR Z 083257.80        P 2E 68.78        S 1I                                104
WST Z 083259.58        P 3E                                                  112
WFB Z 083259.34        P 3E                                                  113
CWF Z 083252.85        P 3E 61.24        S 1                                 72
KWE Z 083248.90        P 1IU                                                 47
KBI Z 083254.4         P 2E                                                  80
HLM Z 083248.2         P 0IU                                                 43
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SBD Z 083251.35        P 2E                                                  63
HCG Z 083257.08        P 1IU                                                 99
HAE Z 083254.28        P 2E                                                  80
MCH Z 083256.02        P 3E 67.18        S 1                                 94
MCH NS0832                                     22.0H0.14ML          01.0 200  94
MCH EW0832                                     17.5H0.11ML          01.0 200  94
     -1
170590 LOWNET     LN 698                        5.0        LARMADALE,LOTHIAN     1
       231316.90  292.68/ 667.83   0.7 0.6                   55.892   -3.716    2
  8 17 202 0.09  0.8  0.9 C A*D                                                 3
EAU Z 231320.69        P 2E 23.30        S 3                                 17
EDI Z 231323.20        P 2E 28.10        S 3                                 33
EDI NS2313                                     4.7H0.29ML           0.25 200  33
EDI EW2313                                     4.1H0.19ML           0.25 200  33
EBH Z 231324.86        P 3E 30.55        S 2                                 42
ESY Z 231325.28        P 3E                                                  69
EAB Z 231326.39        P 3E 32.96        S 3                                 51
ELO Z 231328.32        P 4E                                                  65
EDU Z 231333.19        P 4E                                                  85
     -1
190590 LOWNET+    LN 698                        5.0        LJOHNSTONEBRIDGE,D & G 1
         1 120.21  309.34/ 595.81   6.9 0.6                   55.248   -3.426    2
  4 16 310 0.06  0.0  0.0 C A*D                                                 3
EBL Z 010131.01        P 4E 38.86        S 4                                 63
EDI Z 010131.71        P 4E 42.69        S 4                                 77
EDI NS0101                                     2.6H0.20ML           0.25 200  77
EDI EW0101                                     3.4H0.13ML           0.25 200  77
ESY Z 010135.31        P 4E                                                  90
EAB Z 010139.12        P 4E                                                 119
EBH Z 010140.57        P 4E                                                 112
ESK Z 010123.43        P 0IU25.96        S 1                                 16
ESK NS0101                                     6.5H0.10ML           1.0  200  16
ESK EW0101                                     3.1H0.11ML           1.0  200  16
ECK Z 010124.30        P 0ID27.11        S 1                                 20
     -1
190590LANCS+      LA 043              12.5      5.0JAR     LIRISH SEA            1
       14 219.60  266.57/ 444.57   7.6 1.6                   53.880   -4.030    2
 25 52  78 0.18  0.4  2.7 C B*D                                                 3
LMI Z 140229.78        P 1IU37.67        S 3                                 61
LMI NS1402                                     6.5H0.10ML           1.0 200   61
LMI EW1402                                     4.5H0.21ML           1.0 200   61
LCK Z 140234.71        P 2ED45.43        S 3                                 93
LBO Z 140235.49        P 3E                                                  96
LLO Z 140235.64        P 3E 46.97        S 3                                 97
LKL Z 140236.61        P 2E                                                 105
GIM Z 140228.92        P 1ID35.47        S 3                                 54
GCD Z 140237.50        P 3E 49.80        S 4                                110
GAL Z 140238.48        P 3E 52.28        S 3                                118
GMM Z 140241.00        P 3E                                                 132
WIM Z 140228.60        P 0ID34.66        S 2                                 52
WCB Z 140230.65        P 1ID38.35        S 3                                 66
WCB NS1402                                     3.4H0.11ML           1.0 200   66
WCB EW1402                                     4.1H0.08ML           1.0 200   66
WLF Z 140231.23        P 2EU39.40        S 3                                 70
WPM Z 140231.32        P 2E                                                  70
YLL Z 140233.31        P 3E                                                  83
WLC Z 140236.08        P 3E 47.80        S 3                                100
WLC NS1402                                     5.9H0.14ML           1.0 200  100
WLC EW1402                                     6.1H0.12ML           1.0 200  100
YRH Z 140239.40        P 2E 54.58        S 4                                123
     -1
190590N WALES                                  5.0RITCHIELLLEYN,GWYNEDD         1
       225638.86  239.78/ 342.46  22.4 1.3                  52.955   -4.385    2
 18  4  88 0.06  0.2  0.6 A A*A AFTERSHOCK                                      3
WCB Z 225647.60        P 2E 53.26        S 2                                 48
WCB NS2256                                     5.5 H0.06ML          1.0  200  48
WCB EW2256                                     9.5 H0.09ML          1.0  200  48
YRC Z 225645.52        P 1ID50.29        S 1                                 35
YRE Z 225642.58        P 1ID                                                  4
WPM Z 225647.20        P 1IU                                                 47
WLF Z 225645.65        P 3E 50.61        S 2                                 37
YLL Z 225644.30        P 1IU47.92        S 3                                 25
WLC Z 225646.49        P 1IU51.50        S 3                                 41
WLC NS2256                                    15.6 H0.11ML          2.5  200  41
WLC EW2256                                    12.4 H0.10ML          2.5  200  41
YRH Z 225643.87        P 1IU                                                 21
WVR Z 225648.50        P 1IU                                                 55
WBR Z 225645.49        P 2ED50.11        S 2                                 35
WST Z 225644.62        P 1ID                                                 27
WFB Z 225645.94        P 3E 51.51        S 3                                 38
     -1
200590 JERSEY                                  5.0ABW     ST AUBINS BAY,JERSEY  1
       10 150.03  391.00/ -85.40   8.6 0.2                   49.131   -2.123    2
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  8  7 309 0.03  0.4  0.4 C A*D SOUTH OF ST AUBINS BAY                        3
JLP Z 100152.91       P 1  54.91       S 1                                  13
JSA Z 100152.14       P 1  53.75       S 1                                   7
JVM Z 100152.66       P 1  54.59       S 1                                  11
JRS Z 100152.13       P 1  53.67       S 1                                   7
     -1
210590CORNWALL                                  5.0WALKER  LANDS END,CORNWALL   1
       2336 0.74  129.11/  26.89  19.2 0.4                  50.080   -5.787    2
  8 17 338 0.06  3.3  1.3 D C*D WEST OF LANDS END                             3
CPZ Z 233605.05       P 2E 08.22       S 2                                  17
CST Z 233609.13       P 2  15.17       S 2                                  46
CCA Z 2336                13.95       S 2                                  42
CCO Z 2336                14.32       S 2                                  43
CGH Z 2336                14.90       S 4                                  45
CBW Z 2336                15.58       S 2                                  49
CR2 Z 2336                14.75       S                                    45
CR2 NS2336                                    9.6 H0.05ML          0.25 200  45
CR2 EW2336                                    4.6 H0.05ML          0.25 200  45
     -1
210590LANCS+     LA 043            12.5      5.0JAR    LBRAITHWAITE,CUMBRIA   1
        63426.34  341.40/ 540.25   7.3 1.8                54.754   -2.911    2
 25 44  63 0.21  0.5  2.6 C B*C                                              3
LCK Z 063433.93       P 1ID39.35       S 2                                  44
LMI Z 063437.21       P 2E 45.07       S 2                                  65
LMI NS0634                                   12.0H0.12ML          1.0 200   65
LMI EW0634                                   15.0H0.10ML          1.0 200   65
LKL Z 063437.41       P 1IU45.10       S 3                                  64
LBO Z 063441.39       P 1ID52.21       S 3                                  89
LLO Z 063443.74       P 2ED                                                103
XAL Z 063434.25       P 1ID                                                46
XDE Z 063434.33       P 0IU                                                47
ECK Z 063434.94       P 0ID                                                50
ESK Z 063437.59       P 0ID45.18       S 2                                 66
ESK NS0634                                    9.9H0.09ML          1.0 200   66
ESK EW0634                                    7.9H0.11ML          1.0 200   66
XSO Z 063441.84       P 3E 52.98       S 3                                  92
GCD Z 063437.71       P 0IU45.50       S 3                                  67
GIM Z 063444.80       P 2E                                                 113
GAL Z 063445.39       P 2E 58.48       S 3                                 117
WIM Z 063447.09       P 3E                                                 133
EDI Z 063448.06       P 3E 63.62       S 4                                 131
HPK Z 063446.73       P 3E 60.69       S 3                                 122
EDI NS0634                                   11.1H0.18ML          0.25 200  131
EDI EW0634                                   11.6H0.20ML          0.25 200  131
     -1
220590LANCS+     LA 043            12.5      5.0JAR    LLEIGH,GTR MANCHESTER  1
        94540.12  370.34/ 397.42   2.4 1.1                53.472   -2.447    2
 12 43 194 0.23  1.6  1.2 C B*D COALFIELD TYPE                               3
LLO Z 094547.48       P 3E 53.52       S 3                                  43
LBO Z 094549.98       P 2E                                                 57
LKL Z 094554.30       P 3E 64.38       S 3                                  83
LMI Z 094557.38       P 3E                                                 101
LMI NS0945                                    4.1H0.15ML          0.25 200  101
LMI EW0945                                    3.6H0.26ML          0.25 200  101
LCK Z 094557.55       P 3E                                                 103
WLC Z 094557.70       P 3E 69.94       S 3                                 104
WLC NS0945                                    1.7H0.15ML          0.25 200  104
WLC EW0945                                    2.4H0.17ML          0.25 200  104
WPM Z 094556.54       P 3E                                                 100
YRE Z 094563.41       P 3E                                                 143
HPK Z 0945                 62.83       S 3                                  76
     -1
220590GALLOWAY+  GAL028            12.5     5.0LY     LJOHNSTONEBRIDGE,D & G 1
       1332 1.37  313.45/ 590.78   5.0 1.9                55.204   -3.360    2
 22 15 116 0.31  1.6  2.7 C C*C                                              3
GIM Z 133221.55       P 1ED36.25       S 3                 0.25 200         124
GCL Z 133229.72       P 2ID49.88       S 2                                  177
GMK Z 133224.30       P 2ID                                                143
GCD Z 133209.80       P 3                                                   53
GAL Z 133216.32       P 3  27.41       S 3                                  94
GAL NS1332                                   10.9H0.12ML          1.00 200  94
GAL EW1332                                    7.1H0.09ML          1.00 200  94
ESK Z 133204.20       P 1IU                                       0.25 200  16
ECK Z 133204.47       P 1IU                                                 15
XSO Z 133214.20       P 2 U                                                 77
EBL Z 133212.60       P 1IU20.21       S 2                                  67
EAU Z 133213.70       P 1IU21.09       S 3                                  72
EDI Z 133215.16       P 2E 24.68       S 2                                  81
EDI NS1332                                    5.7H0.29ML          1.0   200 81
EDI EW1332                                    6.2H0.19ML          .0    200 81
ESY Z 133216.53       P 2E 29.01       S 3                                  92
EBH Z 133220.89       P 2E 34.17       S 3                                 117
EAB Z 133222.18       P 2E                                                 126
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     -1
220590 LOWNET    LN 698                          5.0       LCRIANLARICH,CENTRAL   1
       1356 6.56  243.15/ 733.90   1.6 1.3                   56.471   -4.547    2
  9 34 287 0.25 10.3  7.5 D D*D                                                  3
EAB Z 135612.93       P 2E 17.56       S 2                                    34
ELO Z 135615.62       P 2E 22.29       S 3                                    51
EBH Z 135619.03       P 2E 27.84       S 3                                    69
EDU Z 135622.92       P 3E 34.80       S 3                                    95
EDI Z 135625.03       P 4E 37.52       S 3                                   104
EDI NS1356                                  5.1H0.14ML          0.25  200   104
EDI EW1356                                  4.4H0.19ML           .25  200   104
     -1
220590 LOWNET    LN 698                          5.0       LCRIANLARICH,CENTRAL   1
       14 653.60  244.41/ 732.56   0.5 1.0                   56.460   -4.525    2
  8 32 285 0.28 16.7 12.6 D D*D                                                  3
EAB Z 140659.80       P 3E 64.52       S 3E                                   32
ELO Z 14 702.73       P 2EU09.50       S 2E  4.1H0.21ML          0.25 200    50
EBH Z 14 706.25       P 2EU14.81       S 3E                                   67
EDU Z 14 710.10       P 3E 21.95       S 3E  3.2H0.19ML          0.25 200    94
EDI Z 14 711.7        P 4E 25.7        S 4E                                  102
     -1
220590 LOWNET    LN 698                          5.0       LCRIANLARICH,CENTRAL   1
       145622.38  239.49/ 735.37   3.1 1.2                   56.483   -4.607    2
  9 37 293 0.57 11.0 19.0 D D*D                                                  3
EAB Z 145629.15       P 3E 33.67       S 3E                                   37
ELO Z 145631.03       P 3E 38.80       S 3E                                   55
EBH Z 145635.60       P 2E 44.60       S 3E                                   73
EDU Z 145636.24       P 3E 51.59       S 3E                                   98
EDI Z 145638.8        P 4E 54.70       S 3E                                  108
EDI NS1456                                  3.3H0.18ML          0.25 200   108
EDI EW1456                                  3.1H0.19ML          0.25 200   108
     -1
230590MORAY+                                5.0BS     LSKYE,HIGHLAND           1
       171255.35  153.81/ 830.95   8.5 2.1                   57.303   -6.088    2
 11 27 314 0.18  2.1  2.7 C B*D                                                  3
MDO Z 171312.79       P 2EU25.40       S 3E                                  105
MVH Z 171317.40       P 2E 32.90       S 3E                                  133
MCD Z 171323.51       P 2E 43.50       S 3E                                  173
MCD NS1713                                 08.5H0.30ML          0.25 200   173
MCD EW1713                                 08.5H0.29ML          0.25 200   173
MFI Z 171329.90       P 2EU                                                  230
KPL Z 171300.01       P 1E 03.90       S 1E                                   27
KSB Z 171302.58       P 1IU                                                  41
KAC Z 171304.28       P 1E                                                   52
     -1
270590 LOWNET    LN 699                          5.0       LCLACKMANNAN,CENTRAL   1
       14 2 8.04  292.48/ 693.29   5.5 0.9              3+   56.120   -3.730    2
 12 20 130 0.12  0.5  1.0 B A*C COALFIELD TYPE,FELT AT    CASTLEBRIDGE COLLIERY3
EBH Z 140211.69       P 1ID14.93       S 2E                                   20
EAU Z 140214.38       P 1ED19.32       S 2E                                   35
EAB Z 140215.12       P 2E 19.99       S 3E                                   39
EDI Z 140215.21       P 1ED20.58       S 2E                                   40
EDI NS1402                                  9.7H0.17ML          0.25 200    40
EDI EW1402                                  8.9H0.16ML          0.25 200    40
ELO Z 140215.14       P 3E 20.18       S 3E                                   39
EBL Z 140217.92       P 3E                                                   58
EDU Z 140219.20       P 3E                                                   65
     -1
280590 JERSEY                               5.0ABW     ST AUBINS BAY,JERSEY   1
        25025.48  390.25/ -87.40   7.5-0.2                   49.113   -2.134    2
  8  9 316 0.08  1.1  1.4 C B*D SOUTH OF ST AUBINS BAY                          3
JLP Z 025028.57       P 1  30.92       S 1                                    15
JSA Z 025027.79       P 1  29.41       S 1                                     9
JVM Z 025028.25       P 1  30.22       S 1                                    13
JRS Z 025027.78       P 1  29.37       S 1                                     9
     -1
290590SHROPSHIRE SA 015          12.5       5.0NSH    LELLESMERE,SHROPSHIRE   1
        8 850.69  340.13/ 233.81  18.9 1.3                   51.999   -2.872    2
 13 27 301 0.06  0.8  1.1 C A*D                                                  3
SGD Z 080859.5        P 3E 65.75       S 1                                    50
SGD NS0808                                 16.5H0.11ML          0.25 100    50
SGD EW0808                                 17.5H0.10ML          0.25 100    50
SWB Z 080860.25       P 3E                                                   55
SBH Z 080856.10       P 2E 60.2        S 2                                    27
SST Z 080858.00       P 1ID                                                  40
SSP Z 080859.25       P 3E 65.69       S 2                                    49
SSP NS0808                                 13.0H0.08ML          0.25 100    49
SSP EW0808                                 09.5H0.10ML          0.25 100    49
HLM Z 080860.68       P 2E                                                   58
SBC Z 080860.46       P 2E 67.6        S 2                                    57
SBC NS0808                                 07.5H0.12ML          0.25 100    57
SBC EW0808                                 08.0H0.05ML          0.25 100    57
SOB Z 080858.6        P 3E 64.30       S 1                                    44
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     -1
310590 LOWNET+                        12.5      5.0DWR    LARDNAMURCHAN,HIGHLAND 1
       183758.95  156.81/ 778.16   4.6 2.2                  56.831   -5.987    2
 11120 270 0.12  2.4  4.0 C B*D OFFSHORE LOCATION                                3
EAB Z 183819.32       P 2EU33.92       S 3E                        0.25 200  124
ELO Z 183822.02       P 2E 39.99       S 3E                                  145
EBH Z 183825.10       P 3E 44.17       S 3E                                  166
EDU Z 183828.10       P 3E 49.00       S 3E                                  185
EDI Z 183828.70       P 4EU53.40       S 4E  5.0H0.18M             0.25 200  200
EDI NS1838               EU               E 11.3H0.21ML           0.25 200  200
EDI EW1838               E                E  7.8H0.18ML           0.25 200  200
EAU Z 183828.88       P 3E                                                  192
EDR Z 183830.70       P 3E 57.88       S 4E                                  210
EBL Z 183831.60       P 3E                                                  217
ESY Z 183833.60       P 3E                                                  232
MDO Z 183818.50       P 1IU32.90       S 3E                                  120
MVH Z 183825.30       P 1IU45.10       S 3E                                  163
MCD NS1838                                  03.0H0.13ML           01.0 200  185
MCD EW1838                                  03.8H0.18ML           01.0 200  185
MCD Z 183828.92       P 1EU49.40       S 3E                                  185
PMS Z 183820.87       P 2E 36.00       S 3                                   134
PGB Z 183822.65       P 3E 39.10       S 3                                   147
PGB NS1838                                   9.0H0.15ML           1.0  200  147
PGB EW1838                                   6.6H0.14ML           1.0  200  147
PCO Z 183823.31       P 1ED41.98       S 4                                   150
PCA Z 183824.50       P 2E 43.20       S 3                                   165
     -1
010690 LOWNET    LN 701    702      12.5      5.0DWR    LCRIANLARICH,CENTRAL   1
       133346.58  245.57/ 733.84   0.7 1.5                  56.471   -4.507    2
  6 33 288 0.08 18.4 13.8 D D*D                                               3
EAB Z 133353.00       P 2EU57.70       S 3                                    33
ELO Z 133355.68       P 1EU62.30       S 2                                    49
EBH Z 133359.11       P 2EU67.71       S 3                                    67
EDU Z 133361.91       P 3E 73.96       S 3                                    92
EDI Z 133365.30       P 4E 77.95       S 2                                   102
EDI NS1333                                   5.5 H0.28ML           0.25 200  102
EDI EW1333                                   4.7 H0.29ML           0.25 200  102
EBL Z 133367.89       P 3E 81.95       S 3E                                  120
     -1
010690 LOWNET    LN 701    704      12.5      5.0DWR    LCRIANLARICH,CENTRAL   1
       1338 5.49  246.66/ 732.76   1.0 1.3                  56.462   -4.489    2
  5 32 286 0.14 23.9 17.4 D D*D                                               3
EAB Z 133811.61       P 2EU16.09       S 2EU                       0.25 200   32
ELO Z 133814.18       P 3E 20.78       S 2E                                   48
EBH Z 133817.60       P 2EU26.68       S 3E                                   65
EDU Z 133820.99       P 3E 33.23       S 3E                                   91
EDI Z 133822.3        P 4E 36.69       S 3E  1.8H0.28M             0.25 200  101
EDI NS1338               E                E  3.6H0.26ML           0.25 200  101
EDI EW1338               E                E  3.0H0.29ML           0.25 200  101
     -1
010690 LOWNET+   LN 701    784      12.5      5.0DWR    LRENFREW,STRATHCLYDE   1
       192014.89  248.50/ 667.65   3.6 0.7                  55.878   -4.422    2
  8  8 151 0.14  0.9  2.7 C B*C                                                3
EAB Z 192021.54       P 2E 25.72       S 2E                        0.25 200   35
EBH Z 192027.00       P 2ED35.18       S 3E  3.5H0.12ML            0.25 200   70
PGB Z 192016.81       P 0IU18.10       S 1                                     8
PGB NS1920                                   7.5H0.10ML            2.5  200    8
PGB EW1920                                   4.6H0.11ML            2.5  200    8
PMS Z 192018.90       P 1IU21.61       S 2                                    21
     -1
010690 LOWNET    LN 702                       5.0       LCLACKMANNAN,CENTRAL   1
       193339.92  294.48/ 694.47   5.2 0.5            2+   56.131   -3.698    2
  7 18 153 0.08  0.8  1.5 B A*C COALFIELD TYPE,FELT AT   CASTLEBRIDGE COLLIERY 3
EBH Z 193343.48       P 2E 45.84       S 2E                                   18
ELO Z 193346.91       P 3E                                                    38
EDI Z 193347.00       P 2E 52.23       S 3E                                   39
EDI NS1933                                   4.0H0.18ML            0.25 200   39
EDI EW1933                                   4.9H0.12ML            0.25 200   39
EAB Z 193347.09       P 3E 52.44       S 3E                                   40
     -1
010690 LOWNET    LN702                        5.0       LCLACKMANNAN,CENTRAL   1
       21 5 4.16  293.46/ 693.87   2.1 0.5                  56.126   -3.714    2
  6 19 156 0.05  0.5  0.8 B A*C COALFIELD TYPE                                  3
EBH Z 210507.89       P 1ED                                                   19
ELO Z 210511.27       P 3E 16.28       S 3E                                   38
EDI Z 210511.38       P 2E 16.89       S 3E                                   40
EDI NS2105                                   2.9H0.19ML            0.25 200   40
EDI EW2105                                   3.6H0.16ML            0.25 200   40
EAB Z 210511.41       P 3E                                                    40
     -1
020690LANCS+     LA 045               12.5      5.0JAR    LLEIGH,GTR MANCHESTER  1
       2357 9.13  370.17/ 403.00   0.2 0.6                  53.523   -2.450    2
  6 37 324 0.25  1.3  1.2 C B*D COALFIELD TYPE                                  3
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LLO Z 235716.10       P 3E 21.94       S 3                                    37
LLY Z 235717.04       P 3E                                                    43
LBO Z 235718.52       P 3E                                                    51
LMI Z 235725.82       P 3E 39.56       S 4                                    96
LMI NS2357                                  1.0H0.19ML          0.25 200    96
LMI EW2357                                  1.6H0.15ML          0.25 200    96
LCK Z 235726.10       P 3E                                                    97
WLC NS2357                                  1.6H0.09ML          0.25 200   106
WLC EW2357                                  1.4H0.12ML          0.25 200   106
WLC Z 2357            P                                                     106
      -1
050690LANCS+     LA 045            12.5      5.0JAR    LLEIGH,GTR MANCHESTER  1
        22944.67  369.39/ 404.91   0.5 0.9                53.540   -2.462    2
 13 35  96 0.36  1.1  1.8 C C*C COALFIELD TYPE                                3
LLO Z 022951.41       P 2E 56.96       S 3                                    35
LLY Z 022952.48       P 3E                                                    41
LBO Z 022953.90       P 3E 61.02       S 3                                    49
LKL Z 022958.50       P 3E                                                    76
LCK Z 022961.38       P 3E                                                    95
LMI Z 022961.40       P 3E 74.57       S 4                                    94
LMI NS0229                                  2.0H0.20ML          0.25 200    94
LMI EW0229                                  1.4H0.20ML          0.25 200    94
HPK Z 0229                 66.51       S 3                                    72
CWF Z 022964.91       P 3E 79.31       S 3                                   118
CWF NS0229                                  3.3H0.07ML          0.25 200   118
CWF EW0229                                  4.2H0.10ML          0.25 200   118
WPM Z 022961.17       P 3E                                                   101
YRE Z 022967.48       P 4                                                    145
WLC Z 0229                 76.00       S 3                                   107
WLC NS0229                                  3.1H0.12ML          0.25 200   107
WLC EW0229                                  2.5H0.18ML          0.25 200   107
      -1
070690 LOWNET+   LN 702                      5.0DWR    LCLACKMANNAN,CENTRAL    1
         7 924.97  293.33/ 693.18   0.1 1.3          3+   56.120   -3.716    2
 18 19  79 0.13  0.3  0.6 B A*C COALFIELD TYPE,FELT AT    CASTLEBRIDGE COLLIERY3
EBH Z 070929.11       P 0ID32.26       S 2EU                                  19
EAU Z 070931.78       P 2E 36.79       S 2ED                                  35
ELO Z 070932.51       P 2ED37.93       S 3E                                   39
EAB Z 070932.62       P 2E 37.59       S 3E                                   40
EDI Z 070932.62       P 2ED38.11       S 2E 10.4H0.27M          0.25 200      40
EDI NS0709               EU               EU 7.5H0.60ML       0.25 200      40
EDI EW0709               ED               ED11.0H0.22ML       0.25 200      40
EBL Z 070935.31       P 2ED                                                   57
ESY Z 070937.88       P 3E                                                    72
PCO Z 070930.74       P 1IU                                                   28
PCA Z 070935.27       P 2E                                                    58
PGB Z 070936.06       P 2EU43.48       S 2                                    59
PGB NS0709                                 10.9H0.22ML          0.25 200    59
PGB EW0709                                  6.1H0.20ML          0.25 200    59
PMS Z 070937.89       P 2E 46.93       S 3                                    71
EDU Z 070936.8        P 4                                                     65
EDR Z 070943.9        P 4                                                    115
ESK Z 070940.0        P 4E                                                    95
      -1
080690 LOWNET+   LN 702                       5.0      LCLACKMANNAN,CENTRAL    1
         0 511.48  293.45/ 693.85   2.1 0.7                56.126   -3.714    2
 11 19 109 0.09  0.4  0.6 B A*C COALFIELD TYPE                                 3
EBH Z 000515.11       P 2ED                                                   19
EAB Z 000518.64       P 3E 23.98       S 2E                                   40
EDI Z 000518.70       P 2E 24.17       S 2E                                   40
EDI NS0005                                  3.9H0.17ML          0.25 200    40
EDI EW0005                                  3.8H0.12ML          0.25 200    40
ELO Z 000518.71       P 3E                                                    38
PCO Z 000516.82       P 0IU                                                   28
PGB Z 000522.12       P 1E 29.51       S 1                                    59
PGB NS0005                                  6.0H0.19ML          0.25 200    59
PGB EW0005                                  2.5H0.18ML          0.25 200    59
PMS Z 000523.90       P 3E 32.58       S 3                                    71
      -1
080690 LOWNET+                    10.0      5.0DWR    LGLEN TORRIDON,HIGHLAND1
        05315.60  195.75/ 858.80  10.8 2.4          3+   57.573   -5.416    2
 20 11 155 0.38  1.4  2.7 C C*C FELT AT KINLOCHEWE                            3
ELO Z 005341.12       P 2E                                0.25 200   161
EAB Z 005342.02       P 2E 61.98       S 3E                                   168
MDO Z 005326.96       P 1IU                                                   65
MVH Z 005329.60       P 1IU                                                   83
EBH Z 005344.41       P 2E                                                   188
MCD Z 005336.70       P 1IU51.00       S 3E                                  129
EDI Z 005350.05       P 2E 75.60       S 3E 14.5H0.37M          0.25 200     229
EDI NS0053               E                E 22.0H0.29ML       0.25 200     229
EDI EW0053               E                E 19.7H0.31ML       0.25 200     229
KPL Z 005320.88       P 1EU24.60       S 2E                                   30
KPL NS                                      3.5H0.14ML          10.0 200     30
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KPL EW0053                                    4.5H0.12ML          10.0 200   30
KAR Z 005328.60       P 1E                                                   77
KSB Z 005322.76       P 1IU27.36      S 2E                                   41
KAC Z 005318.32       P 1IU                                                  11
KSK Z 005328.76       P 2E 37.56      S 3E                                   78
MCD NS0053                                 03.5H0.10ML          10.0 200  129
MCD EW0053                                 04.5H0.10ML          10.0 200  129
MLA Z 005337.70       P 1ID54.10      S 3E                                  147
MME Z 005339.41       P 1IU56.22      S 3E                                  150
     -1
110690 LOWNET    LN 702                        5.0DWR    LCLACKMANNAN,CENTRAL   1
       195322.52  292.99/ 693.07   0.8 1.2                56.118   -3.721    2
 12 20 130 0.07  0.2  0.4 B A*C COALFIELD TYPE                                 3
EBH Z 195326.61       P 0ID29.71      S 2E                0.25 200   20
EAU Z 195329.12       P 2E 34.21      S 2ED                                  35
ELO Z 195329.98       P 2ED35.31      S 2ED                                  39
EAB Z 195329.99       P 2EU35.29      S 3E                                   39
EDI Z 195329.99       P 2EU35.51      S 1ED 3.3H0.70M     0.25 200   40
EDI NS1953               ED             EU 5.5H0.70ML     0.25 200   40
EDI EW1953               EU             IU 4.9H0.80ML     0.25 200   40
EBL Z 195332.70       P 3E 40.38      S 3ED                                  57
EDU Z 195334.28       P 3E 42.54      S 3E                                   65
     -1
120690 LOWNET    LN 702                        5.0DWR    LNEWBRIDGE,LOTHIAN     1
        532 7.61  311.29/ 672.31   5.4 0.4                55.936   -3.420    2
  8 10 159 0.05  0.6  1.2 B A*C                                               3
EAU Z 053209.92       P 1IU                                                  10
EDI Z 053210.64       P 0IU12.79      S 2EU15.7H0.13M     0.25 200   15
EDI NS0532               IU             EU 9.5H0.35ML     0.25 200   15
EDI EW0532               IU             EU16.5H0.17ML     0.25 200   15
EBL Z 053213.12       P 1IU17.28      S 3E                                   30
EBH Z 053213.98       P 2EU18.87      S 3E                                   35
ESY Z 053216.30       P 2E                                                   51
     -1
140690N WALES                                 5.0RITCHIE LLEYN,GWYNEDD       1
        4 133.28  238.29/ 344.32  13.8 0.1                52.971   -4.409    2
 16  2 114 0.27  0.9  1.2 B B*B                                               3
YRC Z 040139.40       P 2E 43.60      S 2                                    33
YRE Z 040135.85       P 1IU37.10      S 1                                     2
WLF Z 040138.89       P 2E 43.93      S 2                                    35
YLL Z 040138.04       P 1IU41.10      S 1                                    25
WLC Z 040140.82       P 2E 45.91      S 1                                    42
WLC NS0401                                  3.7 H0.06ML          0.25 200   42
WLC EW0401                                  2.6 H0.09ML          0.25 200   42
YRH Z 040138.00       P 2E 40.05      S 1                                    21
WBR Z 040139.52       P 3E 44.21      S 1                                    37
WPM Z 040140.60       P 3E                                                   46
WME Z 0401                46.98       S 3                                    48
     -1
140690 LOWNET    LN 703    283      12.5       5.0DWR    LWALKERBURN,BORDERS    1
        43053.55  338.11/ 638.86   0.7 0.6                55.639   -2.983    2
  6 15 271 0.18  5.9  5.4 D D*D                                               3
EBL Z 043057.13       P 1ID59.81      S 2EU                                  15
EAU Z 043059.91       P 2E                                                   37
EDI Z 043100.25       P 2ED04.69      S 3E  2.3H0.30M     0.25 200   34
EDI NS0431               E 04.69      S  E  4.5H0.22ML    0.25 200   34
EDI EW0431               E               E  4.3H0.26ML    0.25 200   34
ESY Z 043100.90       P 1IU                                                  39
     -1
150690 PAISLEY+  PA 317            12.5       5.0DG     LFIRTH OF LORN,S'CLYDE 1
       1538 3.24  175.37/ 733.26   1.0 1.2                56.438   -5.644    2
 16 85 306 0.47 12.6  9.3 D D*D                                               3
PMS Z 153818.29       P 2E                                                   87
PGB Z 153820.50       P 2ED32.46      S 3                                   101
PGB NS1538                                  5.6H0.11ML          0.25 200  101
PGB EW1538                                  4.3H0.09ML          0.25 200  101
PCO Z 153820.86       P 2E 34.92      S 3                                   108
PCA Z 153823.54       P 2E 37.12      S 3                                   119
EAB Z 153817.89       P 2E 30.18      S 2EU                                  85
ELO Z 153823.12       P 3E 37.20      S 3E                                  119
EBH Z 153825.79       P 3E 41.62      S 3E                                  134
EDU Z 153829.90       P 3E 48.50      S 3E                                  162
EDI Z 153830.4        P 4E 48.90      S 3E  2.0H0.20M     0.25 200  163
EDI NS1538               E               E  2.3H0.28ML    0.25 200  163
EDI EW1538               E               E  2.0H0.20ML    0.25 200  163
     -1
200690 LOWNET    LN 703   2323      12.5       5.0DWR    LROSEWELL,LOTHIAN      1
        4 140.72  327.77/ 663.54   7.1 0.1                55.860   -3.154    2
  7  7 121 0.12  0.9  1.1 B A*B COALFIELD TYPE                                 3
EDI Z 040142.68       P 1IU44.21      S 2ED10.4H0.30M     0.25 200    7
EDI NS0401               E               E  6.7H0.32ML    0.25 200    7
EDI EW0401               E               E  5.5H0.40ML    0.25 200    7
EBL Z 040143.21       P 2E 45.50      S 3E                                   12
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EAU Z 040144.28        P 3E 47.45        S 3E                                  19
ESY Z 040147.00        P 3E                                                    34
     -1
200690 LOWNET     LN 704      76      12.5        5.0DWR     LBLAIRHALL,FIFE     1
       131732.40  297.37/ 691.60   0.2 1.3                    56.106   -3.650    2
 11 18 125 0.22  0.8  1.1 C B*C COALFIELD TYPE                                   3
EBH Z 131736.22        P 0IU38.11        S 3E                                  18
EAU Z 131738.69        P 2EU                                                   32
EDI Z 131739.25        P 2EU44.32        S 3E  5.5H0.45M          0.25 200     35
EDI NS1317                ED                E 13.8H0.45ML         0.25 200     35
EDI EW1317                EU44.32        S  ED10.5H0.31ML         0.25 200     35
EAB Z 131739.81        P 3E 46.90        S 2ED                                 44
ELO Z 131740.19        P 2EU46.29        S 2ED                                 41
EBL Z 131741.47        P 3E 49.58        S                                     53
     -1
210690HEREFORD                        12.5        5.0NSH     LCWMBRAN,GWENT      1
        14843.69  325.31/ 194.03  10.0 1.7                    51.640   -3.080    2
  7 19 242 0.11  1.9  2.0 C B*D                                                  3
MCH Z 014850.65        P 1ID55.86        S 1I                                  40
MCH NS0148                                    12.2H0.11ML          1    200     40
MCH EW0148                                    21.5H0.18ML          1    200     40
HAE Z 014853.96        P 3E                                                    58
HCG Z 014858.30        P 2E                                                    86
HGH Z 014847.35        P 0IU                                                   19
HTR Z 014852.45        P 1ID                                                   51
HLM Z 014859.92        P 2E                                                    99
     -1
230690 LN/ESK     LN 705             12.5        5.0DWR/DG LETTRICKBRIDGE,BORDERS 1
       111541.56  335.18/ 621.21   4.0 0.2                    55.480   -3.026    2
  8 21 146 0.15  2.4  5.7 C C*C                                                  3
EBL Z 111547.73        P 1ID51.71        S 2E                                  33
ESY Z 111551.00        P 3E                                                    55
ESK Z 111545.86        P 1EU48.59        S 2                                   22
ESK NS1115                                    13.7H0.09ML          0.25 200     22
ESK EW1115                                    14.2H0.08ML          0.25 200     22
ECK Z 111547.62        P 2E 52.30        S 2                                   34
XSO Z 111550.28        P 1EU                                                   49
     -1
240690 CORNWALL                       25.0        5.0WALKER LCONSTANTINE,CORNWALL  1
       131214.29  172.73/  28.86   6.2-0.3                    50.116   -5.179    2
  7  3 324 0.02  0.4  0.3 C A*D                                                  3
CCO Z 131215.46        P 1  16.35        S 1                                    3
CR2 Z 131215.77        P 1  16.95        S 1                                    6
CR2 NS1312                                    3.5 H0.04ML          1.0  200     6
CR2 EW1312                                    4.7 H0.06ML          1.0  200     6
CCA Z 1312                  17.57        S 1                                    9
CST Z 131216.20        P 1  17.60        S 1                                    9
     -1
240690LANCS+      LA 048             12.5        5.0JAR     LTODMORDEN,W YORKSHIRE 1
       20 4 9.65  397.02/ 422.98  12.2 1.3                    53.703   -2.045    2
 14 38 185 0.28  1.5  2.0 C B*D                                                  3
LLO Z 200416.22        P 2E 21.23        S 3                                   38
LBO Z 200417.81        P 2E 23.00        S 4                                   46
LKL Z 200421.90        P 4E 28.11        S 3                                   66
LCK Z 200425.30        P 3E 35.58        S 3                                   91
LMI Z 200427.04        P 4  38.25        S 3                                  101
LMI NS2004                                    5.0H0.13ML           0.25 200    101
LMI EW2004                                    3.5H0.11ML           0.25 200    101
KBI Z 200420.80        P 4                                                     61
CWF Z 200428.82        P 3E 41.89        S 3                                  118
CWF NS2004                                    13.8H0.09ML          0.25 200    118
CWF EW2004                                    11.2H0.12ML          0.25 200    118
KWE Z 200422.58        P 3                                                     78
SBD Z 200429.19        P 3E 42.95        S 3                                  120
WLC Z 2004                  47.81        S 3                                  140
WLC NS2004                                    7.0H0.10ML           0.25 200    140
WLC EW2004                                    7.2H0.11ML           0.25 200    140
WVR Z 2004                  49.01        S 3                                  145
WPM Z 200413.13        P 4  28.41        S 4                                  133
     -1
250690LANCS+      LA 048             12.5        5.0JAR     LLEIGH,GTR MANCHESTER  1
        201426.18  368.29/ 400.91   0.1 0.9                    53.504   -2.478    2
 11 39 206 0.21  1.8  1.8 C B*D COALFIELD TYPE                                   3
LLO Z 201433.38        P 3E 39.18        S 3                                   39
LLY Z 201434.37        P 3E                                                    43
LBO Z 201436.09        P 3E                                                    53
LKL Z 201440.33        P 3E 50.32        S 3                                   80
LMI Z 201443.32        P 3E 55.58        S 3                                   97
LMI NS2014                                    3.5H0.16ML           0.25 200     97
LMI EW2014                                    2.7H0.16ML           0.25 200     97
LCK Z 201443.77        P 3E                                                    99
WPM Z 201442.98        P 3E                                                    99
WLC Z 2014                                                                    104
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WLC NS2014                                    1.1H0.18ML          0.25 200  104
WLC EW2014                                    1.1H0.15ML          0.25 200  104
HPK Z 2014                49.43       S 3                                     76
CWF Z 2014                                                                   116
CWF NS2014                                    4.5H0.13ML          0.25 200  116
     -1
260690N WALES+                                 5.0RITCHIELIRISH SEA             1
        3 326.50  213.45/ 385.40   9.6 1.2                 53.332   -4.802     2
 24 18  98 0.19  0.6  0.8 B B*B                                                 3
WCB Z 030330.12       P 1IU32.55       S 2                                    18
WCB NS0303                                   11.8H0.05ML          2.5  200   18
WCB EW0303                                   10.0H0.05ML          2.5  200   18
YRC Z 030330.05       P 1ID                                                  18
YRE Z 030334.40       P 1ID                                                  47
WPM Z 030336.60       P 3E 43.63       S 2                                   60
WLF Z 030331.50       P 1IU34.65       S 1                                   27
WME Z 030332.45       P 1IU36.52       S 1                                   34
YLL Z 030334.49       P 2E 40.25       S 1                                   47
WLC Z 030339.39       P 1IU48.40       S 1                                   78
WLC NS0303                                   10.0H0.10ML          1.0  200   78
WLC EW0303                                   4.3 H0.11ML          1.0  200   78
YRH Z 030335.90       P 2E                                                   57
WVR Z 030342.50       P 3E                                                  100
WBR Z 030339.66       P 1ID                                                  81
WFB Z 030340.97       P 2E 51.62       S 1                                   89
DCN Z 030355.00       P 4E 72.00       S 4                                  165
DLE Z 030345.30       P 3E 59.10       S 3                                  116
ECP Z 030352.70       P 3E 71.50       S 3                                  166
ETA Z 030345.80       P 3E 60.90       S 4                                  118
WIM Z 030341.59       P 2E                                                   91
     -1
270690 LOWNET    LN 706     47     12.5       5.0DWR    LROSEWELL,LOTHIAN      1
       1323 2.35  328.46/ 663.47   1.5 0.5                 55.859   -3.143     2
  6  8 168 0.03  0.5  0.5 B A*C COALFIELD TYPE                                 3
EDI Z 132304.29       P 1EU05.72       S 2E 18.9H0.30M          0.25 200     8
EDI NS1323               EU05.72       S  E 13.8H0.49ML         0.25 200     8
EDI EW1323               E                E 11.5H0.50ML         0.25 200     8
EBL Z 132304.92       P 1ID06.83       S 2ED                                  11
EAU Z 132306.41       P 3E 09.19       S 3E                                   20
     -1
290690 ESK       ES 481           12.5       5.0DG     LBELLINGHAM,N'UMBERLAND1
        32556.52  390.36/ 585.75   0.6 0.4                 55.166   -2.151     2
  5 34 263 0.09 16.3  9.5 D D*D                                                 3
XAL Z 032603.16       P 1EU07.90       S 3                                    34
ECK Z 032607.75       P 3E                                                   62
ESK Z 032608.69       P 2E 18.65       S 3                                    69
ESK NS0326                                   2.0H0.11ML           0.25 200   69
ESK EW0326                                   1.1H0.14ML           0.25 200   69
     -1
290690 ESK/LA    ES 480           12.5       5.0DG     LRYHOPE,TYNE & WEAR    1
       213632.84  444.30/ 554.26   2.3 1.5                 54.881   -1.309     2
 15 91 257 0.17  1.9  1.3 C B*D OFFSHORE,COALFIELD TYPE                        3
XSO Z 213647.93       P 1E 59.38       S 1                                    91
ECK Z 213652.90       P 2E 67.30       S 3                                   121
ESK Z 213654.36       P 1EU69.95       S 3                                   130
ESK NS2136                                   5.1H0.15ML           0.25 200  130
ESK EW2136                                   2.7H0.17ML           0.25 200  130
LKL Z 213651.10       P 1EU64.48       S 2                                   108
LCK Z 213652.10       P 2ED65.62       S 3                                   117
LBO Z 213654.11       P 2E 69.52       S 2                                   130
LLO Z 213655.84       P 3E                                                   141
LMI Z 213656.95       P 3E 74.36       S 3                                   149
LMI NS2136                                   5.1H0.25ML           0.25 200  149
LMI EW2136                                   6.2H0.18ML           0.25 200  149
     -1
010790LANCS+     LA 049            12.5       5.0JAR    LLEIGH,GTR MANCHESTER  1
        03923.79  369.31/ 399.59   0.2 1.0            2+   53.492   -2.463     2
 13 40 178 0.06  0.4  0.5 B A*C COALFIELD TYPE,FELT LEIGH                       3
LLO Z 003931.47       P 2EU37.20       S 3                                    40
LLY Z 003932.37       P 3E                                                   45
LBO Z 003933.89       P 2E                                                   55
LKL Z 003938.27       P 3E 48.28       S 3                                   81
LMI Z 003940.98       P 3E 53.42       S 3                                   98
LMI NS0039                                   3.7H0.19ML           0.25 200  98
LMI EW0039                                   3.1H0.13ML           0.25 200  98
LCK Z 003941.35       P 3E 53.53       S 3                                  100
CWF Z 003944.40       P 3E 60.03       S 4                                  114
CWF NS0039                                   4.7H0.12ML           0.25 200  114
CWF EW0039                                   3.9H0.14ML           0.25 200  114
WPM Z 003940.79       P 3E                                                   99
YRE Z 003947.20       P 3E                                                  143
WLC Z 003941.61       P 3E 53.88       S 3                                  104
WLC NS0039                                   2.4H0.11ML           0.25 200  104
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WLC EW0039                                    1.1H0.33ML          0.25 200  104
WVR Z 003941.90       P 3E                                                  109
HPK Z 003937.40       P 4  46.94       S 3                                   76
      -1
020790 KYLE                                    5.0       LKINTAIL,HIGHLAND      1
       16 928.85  185.78/ 819.06   5.5 0.3                 57.212   -5.548    2
  6  8 128 0.09  0.9  1.2 B A*B                                                3
KPL Z 160932.16       P 1IU                                                 16
KPL NS1609                                10.0H0.13ML          0.25 200   16
KPL EW1609                34.12       S 1I 30.0H0.14ML          0.25 200   16
KAR Z 160935.60       P 1IU40.16       S 2E                                  37
KSB Z 160930.72       P 1ID                                                  8
KAC Z 160935.32       P 1ID                                                 35
      -1
040790 LOWNET    LN 706   2232     12.5       5.0DWR    LCLACKMANNAN,CENTRAL   1
        342 4.18  294.16/ 693.58   7.5 1.2                 56.123   -3.703    2
  6 18 127 0.07  0.7  2.9 C B*C COALFIELD TYPE                                 3
EBH Z 034207.82       P 2ED                                                 18
EAU Z 034210.41       P 2E                                                  35
ELO Z 034211.06       P 3E                                                  39
EAB Z 034211.21       P 3E                                                  40
EDI Z 034211.30       P 2ED16.08       S 3ED 2.1H0.40M          1.0  200   39
EDI NS0342               E 16.08          EU 1.5H0.40ML          1.0  200   39
EDI EW0342               E                ED 2.0H0.50ML          1.0  200   39
      -1
040790 PAISLEY+  PA 319           12.5       5.0DG     LCLACKMANNAN,CENTRAL   1
        342 6.99  293.20/ 693.24   0.9 1.5                 56.120   -3.718    2
 17 19  81 0.07  0.2  0.3 B A*C COALFIELD TYPE                                3
PCO Z 034212.50       P 3E                                                  28
PCA Z 034217.41       P 2E 24.82       S 3                                   58
PGB Z 034217.79       P 2ED25.29       S 2                                   59
PGB NS0342                              12.0H0.21ML          0.25 200   59
PGB EW0342                               8.4H0.19ML          0.25 200   59
PMS Z 034219.52       P 2ED29.11       S 3                                   71
ESK Z 034223.73       P 2EU35.39       S 3                                   95
ESK NS0342                               6.4H0.19ML          0.25 200   95
ESK EW0342                               7.9H0.17ML          0.25 200   95
ECK Z 034226.20       P 2EU39.51       S 3                                  111
XSO Z 034227.34       P 2EU41.34       S 3                                  116
XAL Z 034236.28       P 4E                                                  169
EBH Z 034211.00       P 1ID14.11       S 3E                                  19
EAU Z 034213.68       P 1ID18.68       S 2ED                                 35
ELO Z 034214.38       P 2E 19.82       S 3E                                  39
EAB Z 034214.42       P 2EU19.82       S 3EU                                 39
EDI Z 034214.52       P 1ID19.86       S 2E  2.5H0.78M          1.0  200   40
EDI NS0342               IU19.86       S  ED 4.8H0.75ML          1.0  200   40
EDI EW0342               ID               E  4.0H0.90ML          1.0  200   40
EBL Z 034217.20       P 2E 25.30       S 3E                                  57
EDU Z 034218.66       P 2EU26.93       S 3E                                  65
ESY Z 034219.93       P 3E                                                  73
      -1
080790 LOWNET    LN 707   1356     12.5       5.0DWR    LCARNWATH,STRATHCLYDE  1
        73938.62  301.13/ 648.49   1.0 0.2                 55.720   -3.574    2
  4 33 327 0.02  0.0  0.0 C A*D                                               3
EBL Z 073945.09       P 1IU49.86       S 2E                                  34
EDI Z 073945.03       P 2ED49.65       S 3E  3.0H0.10M          0.25 200   33
EDI NS0739               EU49.65       S  E  2.5H0.16ML          0.25 200   33
EDI EW0739               EU               E  2.8H0.18ML          0.25 200   33
      -1
090790 LOWNET    LN 707   1837     12.5       5.0DWR    LCLACKMANNAN,CENTRAL   1
       173425.81  294.63/ 694.12   0.2 0.9                 56.128   -3.695    2
 10 18 125 0.08  0.3  0.5 B A*C COALFIELD TYPE                                3
EBH Z 173429.62       P 2E 32.43       S 3E                                  18
EAU Z 173432.70       P 3E 37.66       S 2EU                                 35
ELO Z 173433.22       P 3E 38.60       S 2EU                                 38
EDI Z 173433.20       P 2ED38.71       S 3E  5.0H0.28M          0.25 200   39
EDI NS1734               E                E  5.5H0.29ML          0.25 200   39
EDI EW1734               E                E  4.5H0.31ML          0.25 200   39
EAB Z 173433.52       P 3E 39.17       S 3E                                  41
      -1
100790SHROPSHIRE+                 12.5       5.0RITCHIELSHREWSBURY,SHROPSHIRE 1
        12615.95  348.57/ 311.61   8.4 2.2             4+   52.699   -2.761    2
 26 15  70 0.26  0.7  1.5 B B*B FELT SHREWSBURY,TELFORD,  CLUN,CLUNBERRY...    3
SSP Z 012622.91       P 0IU27.68       S 1                                   39
WLC Z 012628.90       P 2E 37.69       S 1                                   76
WLC NS0126                               6.1 H0.07ML          2.5  200   76
HLM Z 012619.96       P 0IU                                                 22
SBC Z 012621.30       P 0IU25.00       S 2                                   29
WLC EW0126                               3.0 H0.09ML          2.5  200   76
WVR Z 012626.14       P 1IU                                                 58
SOB Z 012622.38       P 0IU27.03       S 1                                   37
LLO Z 012637.43       P 1IU                                                129
WFB Z 012630.45       P 1IU                                                 86
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SGD Z 012622.05       P 0IU26.18       S 2                                  34
SBK Z 012619.29       P 0IU                                                 15
SWB Z 012621.20       P 0ID24.03       S 3                                  28
SBH Z 012625.59       P 1IU                                                 57
SST Z 012625.62       P 1IU                                                 57
SNE Z 012623.60       P 1IU                                                 43
CWF Z 012631.94       P 1IU42.90       S 4                                  98
CWF NS0126                                 16.8H0.09ML          2.5  200   98
CWF EW0126                                 10.0H0.08ML          2.5  200   98
KTG Z 012642.59       P 3E 61.42       S 2                                 166
KUF Z 012641.89       P 3E 59.60       S 3                                 161
KWE Z 012627.99       P 1IU                                                 71
     -1
100790 LOWNET    LN 707   2102     12.5       5.0DWR    LCLACKMANNAN,CENTRAL   1
       121653.85  293.16/ 692.98   1.2 1.0                56.118   -3.719    2
  9 20 130 0.07  0.3  0.6 B A*C COALFIELD TYPE                                3
EBH Z 121657.80       P 1ID60.90       S 2EU                                20
EAU Z 121700.49       P 3E                                                  35
ELO Z 121701.20       P 3E                                                  39
EDI Z 121701.21       P 2ED06.70       S 3E  5.3H0.25M          0.25 200   40
EDI NS1217               E                E  4.0H0.50ML         0.25 200   40
EDI EW1217               E                E  6.0H0.40ML         0.25 200   40
EAB Z 121701.30       P 2ED06.50       S 3EU                                39
EBL Z 121703.97       P 3E                                                  57
     -1
110790 PAISLEY+  PA 321           12.5       5.0DG     LTYNDRUM,CENTRAL       1
       213928.32  229.77/ 725.20   2.2 0.6                56.388   -4.758    2
 12 34 261 0.29  3.3  2.5 D C*D                                              3
PMS Z 213938.85       P 1ED46.46       S 2                                  60
PCO Z 213939.02       P 1IU46.99       S 3                                  61
PGB Z 213940.27       P 2E 48.80       S 3                                  67
PGB NS2139                                 3.5H0.08ML           0.25 200   67
PGB EW2139                                 2.7H0.12ML           0.25 200   67
EAB Z 213934.50       P 2EU38.70       S 3E                                 34
ELO Z 213939.19       P 2EU                                                 65
EBH Z 213942.20       P 2E                                                  79
EDU Z 213946.53       P 2E 59.72       S 3E                                109
     -1
120790 PAISLEY+  PA 321           12.5       5.0DG     LFORT WILLIAM,HIGHLAND 1
       144057.18  215.58/ 779.68   9.1 1.1                56.872   -5.026    2
 22 45 120 0.41  1.6  4.0 C C*C                                              3
PCO Z 144116.49       P 2E 28.99       S 3                                 114
PMS Z 144116.69       P 1E 28.93       S 3                                 116
PGB Z 144117.47       P 2E 30.81       S 3                                 123
PGB NS1441                                 6.0H0.10ML           0.25 200  123
PGB EW1441                                 4.4H0.11ML           0.25 200  123
PCA Z 144119.55       P 2E                                                 139
ELO Z 144111.76       P 2E                                                  92
EAB Z 144112.11       P 2E 21.20       S 3E                                 87
EBH Z 144115.95       P 2E 29.60       S 3E                                116
EDU Z 144118.01       P 2E 31.70       S 3E                                129
EDI Z 144123.00       P 4E 38.40       S 3E  4.0H0.09M          0.25 200  155
EDI NS1441               E                E  5.5H0.09ML         0.25 200  155
EDI EW1441               E                E  3.5H0.16ML         0.25 200  155
KSB Z 144104.72       P 0IU10.37       S 3                                  45
KAR Z 144105.78       P 1IU11.30       S 3                                  49
KPL Z 144108.17       P 1ED16.56       S 3                                  64
KPL NS1441                                 4.6H0.10ML           0.25 200   64
KPL EW1441                                 5.5H0.10ML           0.25 200   64
KAC Z 144109.45       P 3E                                                  72
     -1
130790 LOWNET    LN 708    763     12.5       5.0DWR    LROSEWELL,LOTHIAN      1
       143845.26  328.94/ 663.86   0.2 0.9                55.863   -3.135    2
  9  7 114 0.08  0.5  0.6 B A*B COALFIELD TYPE                                3
EDI Z 143847.19       P 2EU48.41       S 2EU11.0H0.21M          1.0  200    8
EDI NS1438               EU48.41       S  ED14.1H0.18ML         1.0  200    8
EDI EW1438               ED               IU12.5H0.26ML         1.0  200    8
EBL Z 143848.02       P 2ED50.10       S 2E                                 12
EAU Z 143849.60       P 2ED52.70       S 3E                                 20
ESY Z 143851.90       P 3E                                                  33
EBH Z 143854.50       P 2ED60.86       S 3E                                 49
     -1
170790 LOWNET+   LN 708   2088     12.5       5.0DWR    LFORT WILLIAM,HIGHLAND 1
       1218 7.01  215.26/ 780.00   0.2 0.9                56.875   -5.032    2
 13 44 125 0.21  1.1  1.5 C B*C                                              3
EAB Z 121822.5        P 3E 33.50       S 3E  7.4H0.09ML         0.25 200   88
ELO Z 121823.2        P 3E 34.70       S 3E  5.9H0.10ML         0.25 200   93
EBH Z 121826.27       P 2E 40.90       S 3E                                117
EDU Z 121828.23       P 3E 44.60       S 3E                                129
KSB Z 121815.19       P 0IU                                                 44
KAR Z 121816.17       P 2E                                                  49
KPL Z 121818.70       P 1ID26.88       S 3E                                 64
KPL NS1218                                 3.2H0.12ML           0.25 200   64
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KPL EW1218                                    2.4H0.11ML          0.25 200   64
KAC Z 121820.10       P 2E                                                   72
     -1
180790 LOWNET+   LN                12.5      5.0DWR    LCOMRIE,TAYSIDE        1
       223643.87  278.30/ 721.86   2.6 1.4             2+   56.373   -3.971    2
 25 19 150 0.26  0.6  1.0 C B*C FELT COMRIE                                    3
ELO Z 223647.40       P 0IU49.72       S 1ID                                 19
EAB Z 223649.59       P 1IU53.40       S 2EU                                 31
EBH Z 223650.00       P 1IU54.09       S 1ID                                 32
EDU Z 223654.90       P 2ED62.01       S 3E                                  62
EAU Z 223655.87       P 3E             S 3E                                  67
EDI Z 223655.85       P 3E 64.52       S 2E  2.3H0.09M          1.0  200     70
EDI NS2236               E 64.52          IU 4.1H0.10ML         1.0  200     70
EDI EW2236               E                ED 2.5H0.11ML         1.0  200     70
EBL Z 223659.09       P 3E 69.00       S 3E                                  88
ESY Z 223700.50       P 3E 12.10       S 3E                                  99
EDR Z 223702.01       P 3E                                                  107
PGB Z 223655.95       P 3E 64.64       S 2                                   70
MCD Z 223708.30       P 4ED23.70       S 3E                                 142
MCD NS2237                                 11.5H0.10ML          0.25 200   142
MCD EW2237                                 07.0H0.10ML          0.25 200   142
ESK Z 223705.57       P 2E 20.14       S 2                                  127
ESK NS2237                                  7.5H0.11ML          0.25 200   127
ESK EW2237                                  8.3H0.13ML          0.25 200   127
PGB NS2236                                 17.2H0.16ML          0.25 200    70
PGB EW2236                                 13.1H0.12ML          0.25 200    70
PCO Z 223651.81       P 1IU57.81       S 2                                   44
PMS Z 223657.21       P 2E 66.00       S 2                                   76
     -1
190790 E.ANGLIA  EA 394            12.5      5.0DAG    SOUTHERN NORTH SEA     1
       14 257.90  628.69  441.93   4.5 2.3               53.823    1.475     2
  5110 345 0.04  3.0  3.4 D C*D                                               3
APA Z 140324.80       P 1E 44.30       S 2E 10.7H0.10ML          1.0 200   170
AWH Z 140320.10       P 1E 36.40       S 2E  7.5H0.18ML          1.0 200   137
AWI Z 140316.04       P 1IU                                                 110
     -1
190790 LOWNET    LN 709    449     12.5      5.0DWR    LBLAIRHALL,FIFE        1
       153652.68  297.34/ 691.13   0.1 1.1               56.102   -3.651     2
  8 19 158 0.11  0.6  0.9 B A*C COALFIELD TYPE                                 3
EBH Z 153656.62       P 1IU59.89       S 2ED                                 19
EDI Z 153659.63       P 2EU64.52       S 2E  4.6H0.48M          0.25 200    35
EDI NS1536               E 64.52       S  EU 8.9H0.43ML         0.25 200    35
EDI EW1536               E                E  7.0H0.42ML         0.25 200    35
ELO Z 153700.51       P 2E 06.23       S 3E                                  41
EAB Z 153701.28       P 3E 07.10       S 3E                                  44
     -1
210790MORAY+     MN 487            12.5      5.0BS     LLOCH SHIEL,HIGHLAND   1
       223334.66  185.62/ 771.44   7.8 1.5               56.785   -5.510     2
 32 24 151 0.19  0.5  1.6 C B*C                                               3
MDO Z 223351.26       P 1EU63.00       S 3E                                 101
MVH Z 223357.70       P 2E 76.30       S 3E                                 150
MCD Z 223400.39       P 3E 19.30       S 3E                                 163
MCD NS2234                                 06.1H0.09ML          0.25 200   163
MCD EW2234                                 06.7H0.12ML          0.25 200   163
KPL Z 223345.34       P 1E 52.88       S 2E                                  62
KPL NS2233                                 08.0H0.08ML          1.00 200    62
KPL EW2233                                 08.0H0.08ML          1.00 200    62
KAR Z 223339.26       P 2E 42.64       S 2E                                  25
KSB Z 223342.84       P 1E 48.40       S 3E                                  48
KAC Z 223348.28       P 1E 57.64       S 3E                                  81
PMS Z 223353.34       P 1EU66.98       S 3                                  115
PCO Z 223354.78       P 2ED69.65       S 3                                  125
PGB Z 223355.30       P 2E 68.98       S 3                                  126
PGB NS2233                                 10.9H0.12ML          0.25 200   126
PGB EW2233                                  8.4H0.12ML          0.25 200   126
PCA Z 223357.72       P 2E 73.42       S 3                                  144
EAB Z 223350.48       P 1IU61.78       S 2E                                  98
ELO Z 223353.29       P 2EU67.22       S 3E                                 116
EBH Z 223356.72       P 2E 72.50       S 3E                                 137
EDU Z 223400.10       P 2E 16.65       S 3E                                 155
EDI Z 223402.21       P 3E 21.42       S 3E                                 173
     -1
240790 CORNWALL                               5.0ABW    LHARTLAND POINT,DEVON  1
        25657.34  164.26/ 127.17   5.0 1.7               50.995   -5.360     2
  8 79 341 0.03 50.8114.2 D D*D 55 KM W OF HARTLAND POINT                     3
CSA Z 025710.55       P 1                                                   79
CST Z 025712.31       P 1                                                   90
CCA Z 025712.28       P 1                                                   91
CR2 Z 025712.80       P 1  24.07       S                                    93
CR2 NS0257                                  4.0 H0.05ML          2.5  200   93
CR2 EW0257                                  6.2 H0.05ML          2.5  200   93
CBW Z 025713.20       P 1                                                   96
CCO Z 025713.26       P 1                                                   96
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CGH Z 025714.87        P 1                                                    106
     -1
240790 CORNWALL                                  5.0ABW    LHARTLAND POINT,DEVON  1
       3 024.25  165.09/ 127.69   7.1 1.3                    51.000   -5.349    2
 10 79 341 0.04 27.7 62.1 D D*D 55 KM W OF HARTLAND POINT                        3
CSA Z 030037.35        P 1                                                     79
CST Z 030039.14        P 1                                                     91
CCA Z 030039.20        P 1  50.25        S 2                                   91
CR2 Z 030039.67        P 1                                                     94
CR2 Z 030039.67        P 1  50.90        S 2                                   94
CR2 NS0300                                   2.5 H0.06ML          1.0  200    94
CR2 EW0300                                   4.5 H0.06ML          1.0  200    94
CBW Z 030040.05        P 1  51.42        S 2                                   96
CCO Z 030040.07        P 1                                                     97
     -1
270790SHROPSHIRE SB21              10.0       5.0NSH    LBISHOP'S CASTLE,SHROPS1
       21234.36  330.05/ 283.20  16.1 0.2                   52.442   -3.029    2
 14  0  60 0.08  0.5  0.4 A A*A AFTERSHOCK                                      3
SSP Z 021237.30        P 1ID39.4         S 1I                                   6
SSP NS0212                                  12.8H0.05ML          1    100     6
SSP EW0212                                  04.5H0.05ML          1    100     6
HLM Z 021237.69        P 2I                                                    13
SBC Z 021237.35        P 1ID                                                    7
SBC NS0212                                  06.0H0.06ML          1    100     7
SBC EW0212                                  07.0H0.08ML          1    100     7
SOB Z 021237.45        P 2E 39.44        S 1I                                   7
SOB NS0212                                  06.2H0.08ML        0.25 100     7
SOB EW0212                                  08.0H0.08ML        0.25 100     7
SGD Z 021237.05        P 2E 39.03        S 1I                                   0
SGD NS0212                                  05.1H0.08ML          1    100     0
SGD EW0212                                  05.5H0.09ML          1    100     0
SBK Z 021238.45        P 2E 41.85        S 2I                                  20
SWB Z 021240.10        P 2E                                                    29
SST Z 021239.06        P 2E                                                    23
SNE Z 021238.64        P 2E                                                    19
SWC Z 021239.12        P 2I                                                    23
     -1
280790 PAISLEY+  PA 323            12.5       5.0DG     LJURA,STRATHCLYDE      1
       211233.73  169.40/ 691.65   2.7 1.0                  56.062   -5.705    2
 14 65 316 0.36  5.8 10.3 D D*D OFFSHORE LOCATION (SOUND  OF JURA)              3
PMS Z 211244.78        P 2EU52.69        S 3                                   65
PGB Z 211247.35        P 3E 58.00        S 3                                   82
PGB NS2112                                   7.1H0.10ML         0.25 200    82
PGB EW2112                                   3.7H0.12ML         0.25 200    82
PCA Z 211250.14        P 2E 62.80        S 3                                   99
PCO Z 211250.83        P 2E 63.07        S 3                                  101
EAB Z 211247.92        P 2E 58.21        S 3E  3.8H0.22M         0.25 200    86
ELO Z 211255.30        P 3E 71.63        S 3E  1.5H0.20M         0.25 200   132
EBH Z 211257.02        P 3E 72.78        S 3E  1.5H0.28M         0.25 200   138
     -1
300790 LN/PA     LN 711   1269     12.5       5.0DWR/DG LCLACKMANNAN,CENTRAL   1
       12 050.74  294.85/ 693.02   2.5 1.7                  56.118   -3.691    2
 16 18  86 0.17  0.4  0.7 C B*C COALFIELD TYPE                                  3
EBH Z 120054.22        P 1ID56.84        S 2EU                                 18
PCO Z 120056.39        P 1ID59.79        S 2E                                  29
EAU Z 120057.12        P 2E 61.47        S 2ED                                 34
EDI Z 120057.80        P 1IU62.70        S 2E  6.8H0.20M         1.0  200    38
EDI NS1200               IU62.70         S  EU 5.3H0.36ML        1.0  200    38
EDI EW1200               ID                E  7.4H0.36ML        1.0  200    38
EAB Z 120058.04        P 2ED63.66        S 3E                                  41
ELO Z 120058.10        P 2EU62.12        S 3ED                                 39
EBL Z 120100.69        P 3E 07.20        S 3E                                  56
PCA Z 120101.17        P 1ED09.10        S 3E                                  58
PGB Z 120101.50        P 1EU09.39        S 1E                                  60
PGB NS1201               E                 ED20.5H0.25ML        0.25 200    60
PGB EW1201               EU                EU 8.9H0.33ML        0.25 200    60
EDU Z 120102.01        P 3E                                                    64
ESY Z 120102.20        P 3E                                                    71
PMS Z 120103.56        P 1E 12.62        S 2E                                  72
     -1
300790 LOWNET    LN 711   1362     12.5       5.0DWR    LROSEWELL,LOTHIAN      1
       183650.10  328.32/ 662.15   1.8 1.0                  55.847   -3.145    2
  9  9 127 0.08  0.4  0.6 B A*B COALFIELD TYPE                                  3
EDI Z 183652.10        P 0IU53.69        S 2E  7.0H0.33M         2.5  200     9
EDI NS1836               IU                EU 3.7H0.60ML        2.5  200     9
EDI EW1836               ID53.69         S  IU 7.2H0.20ML        2.5  200     9
EBL Z 183652.40        P 0ID54.22        S 2ED                                 10
EAU Z 183654.10        P 2E 56.71        S 3EU                                 19
ESY Z 183656.51        P 3E                                                    34
EBH Z 183659.41        P 2ED66.01        S 3E                                  50
     -1
020890KYLE                         12.5       5.0PCM    LLOCH NEVIS,HIGHLAND   1
        34629.32  167.49/ 799.46   3.2 0.2                  57.028   -5.832    2
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  6 12 198 0.05  0.8  7.9 D C*D                                                3
KPL Z 034636.01       P 1E                                                    36
KPL NS0346                                  03.0H0.10ML          0.25 200    36
KPL EW0346                40.56       S 3E 04.0H0.10ML          0.25 200    36
KAR Z 034631.86       P 1ID33.60      S 2E                                    12
KSB Z 034635.30       P 2E 38.76      S 3E                                    32
     -1
030890 LOWNET+   LN 712    238      12.5      5.0DWR/DG LCLACKMANNAN,CENTRAL    1
       5 8 7.53  290.50/ 696.03   0.2 1.1                 56.144   -3.763     2
 11 20 119 0.42  1.3  2.4 C C*C COALFIELD TYPE                                 3
EBH Z 050810.81       P 2E 14.22      S 3E                 0.25 200    20
EAB Z 050814.32       P 3E 19.58      S 2E                                    36
EDI Z 050814.61       P 4E 20.02      S 4E  7.8H0.20M      0.25 200    44
EDI NS0508               E               E  5.5H0.28ML     0.25 200    44
EDI EW0508               E               E  8.7H0.32ML     0.25 200    44
ELO Z 050814.91       P 3E 20.65      S 3E                                    37
EDU Z 050818.58       P 3E 27.20      S 3E                                    65
ESK Z 050824.3        P 4E 36.80      S 3E                                    99
ESK NS0508                                  2.6H0.17ML     0.25 200    99
ESK EW0508                                  2.4H0.18ML     0.25 200    99
XSO Z 050827.82       P 2ED42.91      S 2E                                   119
     -1
060890 LOWNET    LN 712   1451      12.5      5.0DWR    LROSEWELL,LOTHIAN      1
       21 4 7.21  328.58/ 663.56   0.3 0.9                 55.860   -3.141     2
  8  8 169 0.04  0.3  0.3 B A*C COALFIELD TYPE                                 3
EDI Z 210409.15       P 2EU10.45      S 2EU 7.9H0.22M       1.0 200     8
EDI NS2104               EU              ED10.4H0.27ML      1.0 200     8
EDI EW2104               ED              IU10.8H0.29ML      1.0 200     8
EBL Z 210409.99       P 2ED12.08      S 2EU                                   11
EAU Z 210411.48       P 2EU14.44      S 3E                                    20
EBH Z 210416.45       P 2EU23.01      S 3E                                    49
     -1
070890LANCS+     LA 055           12.5       5.0JAR    LLEIGH,GTR MANCHESTER   1
       22311.17  368.57/ 403.52   0.2 1.1           2+   53.527   -2.474     2
 11 36 186 0.26  2.1  2.3 C B*D COALFIELD TYPE,FELT LEIGH                      3
LLO Z 022318.00       P 2E 23.30      S 3                                     36
LLY Z 022319.27       P 3E                                                    42
LBO Z 022320.53       P 3E                                                    51
LKL Z 022325.29       P 3E                                                    77
LMI Z 022328.04       P 3E 41.12      S 4                                     95
LMI NS0223                                  3.9H0.20ML     0.25 200    95
LMI EW0223                                  3.5H0.20ML     0.25 200    95
LCK Z 022328.30       P 3                                                     96
HPK Z 0223                33.82       S 3                                     74
CWF Z 022331.77       P 3E 47.21      S 4                                    118
CWF NS0223                                  3.4H0.16ML     0.25 200   118
CWF EW0223                                  3.6H0.16ML     0.25 200   118
WPM Z 022327.86       P 3E                                                   100
WLC Z 022328.72       P 3E 41.28      S 3                                    105
WLC NS0223                                  2.0H0.15ML     0.25 200   105
WLC EW0223                                  1.4H0.16ML     0.25 200   105
WVR Z 022328.81       P 4E                                                   111
     -1
080890N WALES                                5.0RITCHIELCAERNARVON,GWYNEDD     1
       25716.29  243.59/ 360.82  14.3 0.8                 53.121   -4.338     2
 15 11 112 0.08  0.3  0.6 B A*B                                               3
WLC Z 025723.32       P 2E 28.29      S 1                                     40
WLC NS0257                                 16.4H0.12ML     0.25 200    40
WLC EW0257                                 5.30H0.14ML     0.25 200    40
WBR Z 025723.42       P 3E 28.49      S 2                                     42
YRC Z 025720.69       P 3E                                                    21
YRE Z 025719.95       P 1IU22.42      S 1                                     17
WLF Z 025720.21       P 2E 23.00      S 3                                     19
WME Z 025721.89       P 1IU25.55      S 3                                     31
YLL Z 025719.38       P 1ID21.45      S 2                                     11
WPM Z 025722.20       P 3E                                                    32
WFB Z 0257                31.40       S 3                                     53
     -1
080890 LOWNET+   LN 712   1886      12.5      5.0DWR/DG LIONA,STRATHCLYDE       1
       43248.77  129.57/ 723.37   0.8 1.2                 56.325   -6.375     2
 13115 327 0.28  6.3  4.2 D D*D OFFSHORE LOCATION (SOUND  OF IONA)             3
EAB Z 043309.87       P 2E 25.18      S 3E  3.4H0.09M      0.25 200   127
ELO Z 043316.30       P 3E 36.28      S 3E  2.0H0.16M      0.25 200   165
EBH Z 043319.91       P 4E 37.95      S 3E  1.5H0.09M      0.25 200   178
PMS Z 043307.76       P 1ED22.38      S 3                                    115
PGB Z 043310.48       P 2ED26.79      S 2                                    131
PGB NS0433                                  4.4H0.10ML     0.25 200   131
PGB EW0433                                  4.1H0.11ML     0.25 200   131
PCO Z 043313.14       P 1IU30.82      S 3                                    146
PCA Z 043313.18       P 3E 31.29      S 3                                    150
     -1
080890 N WALES                               5.0RITCHIELLLEYN,GWYNEDD          1
       93441.10  238.21/ 343.61  24.0 0.6                 52.965   -4.409     2
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 18  2 116 0.07  0.2  0.6 B A*B AFTERSHOCK                                    3
WCB Z 093449.15       P 4  55.38       S 3                                  47
WCB NS0934                                4.5 H0.08ML          0.25 200    47
WCB EW0934                                4.4 H0.06ML          0.25 200    47
YRC Z 0934               52.24       S 2                                  34
YRE Z 093444.96       P 1ID                                                 2
WPM Z 093449.60       P 3E                                                 47
WLF Z 093448.10       P 2E 52.92       S 1                                 36
WME Z 093449.73       P 2E 55.90       S 2                                 49
YLL Z 093446.70       P 1IU50.45       S 1                                 25
WLC Z 093449.00       P 1IU54.40       S 1                                 43
WLC NS0934                               14.0H0.16ML          0.25 200    43
WLC EW0934                                6.1 H0.10ML          0.25 200    43
YRH Z 093446.22       P 1IU49.74       S 1                                 21
WBR Z 093448.00       P 3E 52.77       S 2                                 37
WST Z 093447.10       P 1IU51.20       S 1                                 28
     -1
080890LANCS+     LA 055            12.5      5.0JAR    LLEIGH,GTR MANCHESTER  1
       125757.97  372.15/ 398.21   1.3 1.1            2+   53.480   -2.420    2
 11 42 195 0.13  0.8  0.8 C A*D COALFIELD TYPE,FELT LEIGH                     3
LLO Z 125805.67       P 3E 11.57       S 3                                  42
LBO Z 125808.19       P 3E                                                  57
LKL Z 125812.48       P 3E                                                  83
LMI Z 125815.30       P 3E 27.48       S 3                                 101
LMI NS1258                               4.1H0.18ML          0.25 200    101
LMI EW1258                               3.5H0.13ML          0.25 200    101
LCK Z 125815.68       P 3E                                                 102
HPK Z 1258               20.37       S 3                                  75
WPM Z 125814.98       P 3E                                                 102
WME Z 125818.66       P 3E                                                 126
WLC Z 125815.99       P 3E 28.78       S 3                                 106
WLC NS1258                               2.4H0.17ML          0.25 200    106
WLC EW1258                               2.4H0.09ML          0.25 200    106
CWF NS1258                               5.5H0.11ML          0.25 200    111
CWF EW1258                               5.0H0.12ML          0.25 200    111
CWF Z 1258            P 4                                                 111
     -1
080890 LOWNET+   LN 713    160      12.5      5.0DWR/DG LCRIANLARICH,CENTRAL  1
       165252.14  240.52/ 733.90   3.8 1.5              56.470   -4.589    2
 15 35 257 0.36  2.3  2.4 D C*D                                             3
EAB Z 165258.45       P 1IU62.97       S 2E                 0.25 200    35
ELO Z 165301.31       P 2E 08.24       S 2E                              54
EBH Z 165304.70       P 1IU13.90       S 3E                              71
EDU Z 165308.80       P 1IU19.81       S 3E                              97
EDI Z 165309.29       P 3E 23.67       S 2E  4.5H0.18M      0.25 200    106
EDI NS1653               E                E 10.2H0.16ML     0.25 200    106
EDI EW1653               E                E  8.5H0.20ML     0.25 200    106
EBL Z 165313.22       P 3E 27.62       S 3E                              124
ESY Z 165315.10       P 4E 31.58       S 3E                              137
PCO Z 165303.00       P 1IU11.04       S 3                                62
PMS Z 165304.10       P 2ED12.39       S 1                                70
PGB Z 165305.41       P 2ED13.56       S 3                                74
PGB NS1653                               9.0H0.20ML          0.25 200    74
PGB EW1653                               5.5H0.11ML          0.25 200    74
PCA Z 165307.60       P 2E                                                88
MDO Z 165309.10       P 1ED21.85       S 3                               109
MME Z 165314.10       P 1EU31.41       S 3                               137
MCD Z 165316.31       P 2ED33.91       S 3                               148
MCD NS1653                               7.5H0.09ML          0.25 200    148
MCD EW1653                              10.5H0.11ML          0.25 200    148
MVH Z 165316.88       P 2E                                                164
MFI Z 165321.00       P 2E                                                189
     -1
080890 LOWNET    LN 713    226      12.5      5.0DWR    LCRIANLARICH,CENTRAL  1
       214459.61  242.68/ 732.03   1.4 0.8              56.454   -4.553    2
  7 32 288 0.22  5.8  4.2 D D*D AFTERSHOCK AT 21:47 GMT                      3
EAB Z 214505.73       P 2E 10.22       S 3E  2.2H0.18M      0.25 200    32
ELO Z 214508.82       P 2E 15.73       S 2E  2.1H0.14M      0.25 200    52
EBH Z 214512.01       P 2EU20.95       S 3E                              69
EDU Z 214516.52       P 3E 28.80       S 3E                              95
EDI Z 214517.99       P 4E 32.42       S 3E                             103
EDI NS2145               E                E  3.0H0.12ML     0.25 200    103
EDI EW2145               E                E  2.5H0.09ML     0.25 200    103
     -1
080890 LOWNET    LN 713            12.5      5.0DWR    LCRIANLARICH,CENTRAL  1
       214949.93  239.75/ 734.15   4.1 0.9              56.472   -4.602    2
  8 36 292 0.36  7.7 12.5 D D*D AFTERSHOCKS AT 21:54 AND  22:42 GMT         3
EAB Z 214956.48       P 2EU60.95       S 3E  3.9H0.09M      0.25 200    36
ELO Z 214958.88       P 2E 66.40       S 3E  2.4H0.12M      0.25 200    55
EBH Z 215002.70       P 2E 11.89       S 3E                              72
EDU Z 215006.50       P 3E 18.90       S 3E                              98
EDI Z 215008.00       P 4E 23.20       S 4E                             107
EDI NS2150               E                E  3.9H0.09ML     0.25 200    107
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EDI EW2150              E               E  2.6H0.10ML          0.25 200  107
     -1
090890 LOWNET+   LN 713    343      12.5      5.0DWR/DG LCRIANLARICH,CENTRAL   1
       61556.29  238.63/ 735.00   3.5 1.6                 56.479   -4.621    2
 14 37 259 0.43  2.8  3.2 D C*D AFTERSHOCK AT 06:17 GMT                       3
EAB Z 061602.85       P 1IU07.09       S 2E                    0.25 200   37
ELO Z 061605.89       P 1IU12.82       S 2E                                56
EBH Z 061609.10       P 1IU18.59       S 2E                                73
EDU Z 061613.22       P 2E 24.12       S 3E                                99
EDI Z 061613.8        P 4E 28.39       S 2E  3.9H0.20M         0.25 200   109
EDI NS0616               E               E 10.2H0.27ML          0.25 200  109
EDI EW0616               E              EU 8.5H0.29ML           0.25 200  109
PCO Z 061607.41       P 1EU15.91       S 2                                 64
PMS Z 061608.44       P 3E 16.88       S 1                                 71
PGB Z 061609.86       P 2EU18.11       S 2                                 75
PGB NS0616                                    7.3H0.22ML          0.25 200   75
PGB EW0616                                    5.2H0.20ML          0.25 200   75
PCA Z 061612.32       P 2ED                                               90
MDO Z 061613.20       P 2EU26.04       S 3                                108
MME Z 061618.70       P 1EU35.10       S 3                                137
MCD Z 061620.30       P 2E 38.22       S 3                                148
MCD NS0616                                    8.7H0.10ML          0.25 200  148
MCD EW0616                                    8.0H0.11ML          0.25 200  148
MFI Z 061624.90       P 2E                                               189
     -1
090890 LOWNET    LN 713    344      12.5      5.0DWR    LCRIANLARICH,CENTRAL   1
        619 4.32  241.46/ 734.17   2.3 1.4                 56.473   -4.574    2
  8 35 290 0.42 21.5 16.0 D D*D                                            3
EAB Z 061910.80       P 2EU15.20       S 3E                               35
ELO Z 061912.92       P 2E 20.60       S 3E                               53
EBH Z 061917.06       P 2E 25.92       S 3E                               70
EDU Z 061921.48       P 3E 33.72       S 3E                               96
EDI Z 061922.2        P 4E 35.70       S 3E                              106
EDI NS0619               E               E  5.4H0.19ML          0.25 200  106
EDI EW0619               E               E  3.8H0.22ML          0.25 200  106
     -1
090890 LOWNET+   LN 713    497      12.5      5.0DWR/DG LCRIANLARICH,CENTRAL   1
       172819.38  241.11/ 733.07   2.5 1.5                 56.463   -4.579    2
 15 34 256 0.39  2.4  2.9 D C*D AFTERSHOCK AT 17:29 GMT                       3
EAB Z 172825.61       P 1IU29.70       S 2EU                   0.25 200   34
ELO Z 172828.60       P 1IU35.50       S 2E                                53
EBH Z 172831.80       P 2E 41.39       S 3E                                70
EDU Z 172835.90       P 2EU48.59       S 3E                                97
EDI Z 172837.2        P 4E 51.10       S 3E  4.8H0.19M         0.25 200   105
EDI NS1728            P  E             S  E 10.1H0.29ML        0.25 200  105
EDI EW1728               E               E  8.4H0.28ML          0.25 200  105
PCO Z 172830.17       P 1EU38.42       S 2                                 61
PMS Z 172831.21       P 2E 39.60       S 1                                 70
PGB Z 172832.56       P 2EU40.84       S 3                                 73
PGB NS1728                                    7.0H0.20ML          0.25 200   73
PGB EW1728                                    5.1H0.19ML          0.25 200   73
PCA Z 172835.07       P 2ED                                              87
     -1
090890 LOWNET    LN 713    500      12.5      5.0DWR    LCRIANLARICH,CENTRAL   1
       174336.88  243.31/ 727.30   0.2 1.0                 56.412   -4.540    2
  8 28 287 0.14 12.1  9.1 D D*D                                            3
EAB Z 174342.52       P 2E 46.51       S 3E  3.7H0.11M         0.25 200   28
ELO Z 174346.52       P 2E 52.31       S 3E  3.1H0.09M         0.25 200   52
EBH Z 174348.72       P 2E 57.90       S 3E                                66
EDU Z 174352.82       P 3E 65.20       S 3E                                95
EDI Z 174350.9        P 4E 67.30       S 3E                               100
EDI NS1743               E               E  4.0H0.18ML          0.25 200  100
EDI EW1743               E               E  2.5H0.13ML          0.25 200  100
     -1
100890 LOWNET    LN 713    895      12.5      5.0DWR    LLASSWADE,LOTHIAN      1
       222620.66  329.82/ 664.54   0.7 0.4                 55.869   -3.122    2
  5  7 189 0.03  1.0  0.9 C B*D COALFIELD TYPE                               3
EDI Z 222622.52       P 2EU23.80       S 2E 11.7H0.28M         0.25 200    7
EDI NS2226               EU              ED14.8H0.28ML          0.25 200    7
EDI EW2226               ED              EU14.4H0.27ML          0.25 200    7
EBL Z 222623.42       P 2ED25.52       S 3EU                              12
EAU Z 222625.00       P 3E                                               21
     -1
100890 LOWNET    LN 713    898      12.5      5.0DWR    LLASSWADE,LOTHIAN      1
       224547.37  328.02/ 664.19   2.3 0.2                 55.866   -3.150    2
  5  7 166 0.09  1.4  1.7 C B*D COALFIELD TYPE                               3
EDI Z 224549.20       P 3E 50.20       S 2E  3.8H0.24M         0.25 200    7
EDI NS2245               E               EU11.1H0.21ML          0.25 200    7
EDI EW2245               E               IU10.7H0.29ML          0.25 200    7
EBL Z 224549.82       P 3E 51.91       S 3E                               12
EAU Z 224551.10       P 3E                                               19
     -1
120890 LOWNET    LN 713   1515      12.5      5.0DWR    LROSEWELL,LOTHIAN      1
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      193953.29  328.71/ 663.05   0.1 0.3                  55.855   -3.139    2
  5  8 185 0.03  3.5  1.0 D C*D COALFIELD TYPE                                 3
EDI Z 193955.37       P 2E 56.77       S 2E  6.5H0.28M          0.25 200    8
EDI NS1939               EU               ED 5.0H0.70ML          0.25 200    8
EDI EW1939               ED               E  7.0H0.48ML          0.25 200    8
EBL Z 193955.99       P 2E 58.03       S 2E                                  11
EBH Z 194002.60       P 3E                                                   49
     -1
130890LANCS+     LA 056             12.5      5.0JAR    LLEIGH,GTR MANCHESTER  1
      171541.57  369.82/ 398.68   1.4 0.9            2+   53.484   -2.455    2
  9 41 192 0.17  1.4  1.6 C B*D COALFIELD TYPE,FELT LEIGH                     3
LLO Z 171549.09       P 3E 54.88       S 3                                   41
LBO Z 171551.73       P 3E                                                   56
LKL Z 171555.79       P 3E                                                   82
LMI Z 171559.01       P 3E 71.53       S 3                                   99
LMI NS1715                                    3.0H0.19ML          0.25 200   99
LMI EW1715                                    2.6H0.13ML          0.25 200   99
LCK Z 171559.12       P 3E                                                  101
HPK Z 1715               64.35       S 3                                   76
CWF Z 1715            P 4                                                   113
CWF NS1715                                    3.6H0.13ML          0.25 200  113
CWF EW1715                                    3.2H0.12ML          0.25 200  113
WPM Z 171558.20       P 3E                                                  100
WME Z 171561.94       P 3E                                                  123
WLC Z 171559.33       P 3E                                                  104
WLC NS1715                                    1.5H0.11ML          0.25 200  104
WLC EW1715                                    1.4H0.11ML          0.25 200  104
     -1
160890 LOWNET+   LN 714    398      12.5      5.0DWR/DG LCRIANLARICH,CENTRAL   1
      152337.40  240.63/ 732.67   3.2 1.6                  56.459   -4.587    2
 15 34 256 0.35  2.1  2.4 D C*D AFTERSHOCK AT 15:56 GMT                       3
EAB Z 152343.71       P 1IU47.75       S 2E 14.0H0.19M          0.25 200   34
ELO Z 152346.63       P 2E 53.61       S 2E  9.7H0.20M          0.25 200   54
EBH Z 152349.87       P 2E 59.21       S 3E                                  71
EDU Z 152353.70       P 3E 66.64       S 3E                                  97
EDI Z 152356.43       P 4E 69.62       S 2E  6.8H0.21M          0.25 200  105
EDI NS1523               E                E 10.0H0.39ML          0.25 200  105
EDI EW1523               E                E  8.9H0.33ML          0.25 200  105
EBL Z 152358.35       P 3E 74.55       S 3E                                  123
ESY Z 152359.94       P 3E 77.24       S 3E                                  137
PCO Z 152348.13       P 2EU56.27       S 3                                    61
PMS Z 152349.21       P 2E 57.52       S 2                                    69
PGB Z 152350.62       P 3E 58.78       S 3                                    73
PGB NS1523                                    9.4H0.20ML          0.25 200   73
PGB EW1523                                    7.0H0.13ML          0.25 200   73
PCA Z 152353.10       P 3E                                                   87
MDO Z 152355.08       P 2E 67.39       S 3E                                  110
     -1
160890 LOWNET    LN 714    407      12.5      5.0DWR    LCRIANLARICH,CENTRAL   1
       16 830.52  241.76/ 730.56   5.0 0.7                  56.441   -4.567    2
  6 31 293 0.35  5.5  9.6 D D*D MAGNITUDE FROM VERTICALS, A/S 01:18 GMT 17/8/903
EAB Z 160836.34       P 2E 40.40       S 3E  3.0H0.10M          0.25 200   31
ELO Z 160839.40       P 2E 46.22       S 2E  2.6H0.19ML         0.25 200   53
EBH Z 160842.77       P 2E 52.49       S 3E  2.0H0.17ML         0.25 200   69
     -1
170890 LOWNET+   LN 714    739      12.5      5.0DWR/DG LCLACKMANNAN,CENTRAL   1
      161955.53  293.21/ 693.55   1.5 1.4                  56.123   -3.718    2
 20 19  81 0.14  0.3  0.5 B A*C COALFIELD TYPE                               3
EBH Z 161959.31       P 0ID62.51       S 2EU                 0.25 200   19
EAU Z 162001.91       P 3E 07.05       S 2ED                                 35
ELO Z 162002.71       P 2E 08.10       S 3E                                  39
EAB Z 162002.90       P 3E 08.00       S 3E                                  39
EDI Z 162002.90       P 2E 08.30       S 3E  2.1H0.90M          0.25 200   40
EDI NS1620               E                E  5.0H0.80ML          0.25 200   40
EDI EW1620               E                E  8.1H0.90ML          0.25 200   40
EBL Z 162005.54       P 3E 13.13       S 3E                                  57
EDU Z 162007.09       P 2E 14.92       S 2E                                  64
PCO Z 162000.90       P 1IU                                                  28
PCA Z 162005.91       P 3E                                                   58
PGB Z 162006.27       P 1IU13.73       S 1                                   59
PGB NS1620                                   12.4H0.21ML          0.25 200   59
PGB EW1620                                    6.9H0.18ML          0.25 200   59
PMS Z 162008.09       P 2ED16.48       S 3                                   71
     -1
170890 LOWNET    LN 714    815      12.5      5.0DWR    LCRIANLARICH,CENTRAL   1
      215748.76  238.30/ 732.80   3.8 1.2                  56.460   -4.624    2
  6 35 299 0.52  6.2  9.4 D D*D                                              3
EAB Z 215755.21       P 2E 59.60       S 2E  3.4H0.10M          0.25 200   35
ELO Z 215757.60       P 3E 64.81       S 3E  2.5H0.19M          0.25 200   56
EBH Z 215801.70       P 2E 11.08       S 2E                                  73
EDU Z 215805.13       P 3E 18.12       S 3E                                 100
EDI Z 215806.7        P 4E 21.70       S 3E  2.6H0.10M          0.25 200  107
EDI NS2158               E                E  3.4H0.20ML          0.25 200  107
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EDI EW2158              E               E  2.5H0.19ML          0.25 200  107
     -1
170890 LOWNET    LN 714    817      12.5      5.0DWR    LCRIANLARICH,CENTRAL   1
       22 142.72  240.46/ 732.35   3.0 0.5                 56.456   -4.589    2
  6 34 296 0.40  5.0  8.6 D C*D MAGNITUDE FROM VERTICALS                       3
EAB Z 220148.90       P 2E 53.17       S 3E  1.8H0.11M          0.25 200   34
ELO Z 220152.17       P 3E 58.38       S 3E  2.5H0.11ML         0.25 200   54
EBH Z 220155.30       P 3E 64.60       S 3E  1.6H0.13ML         0.25 200   71
     -1
190890 LOWNET    LN 714   1375      12.5      5.0DWR    RCENTRAL NORTH SEA     1
       142641.63  660.30  935.79   0.2 2.4                 58.234    2.435    2
 10196 174 0.40  4.9  6.4 D C*D                                               3
EDU Z 142734.2        P 3E 74.1        S 3E  1.5H0.31ML         0.25 200  378
ESY Z 142736.0        P 3E 77.7        S 3E  2.5H0.22ML         0.25 200  400
EBH Z 142738.6        P 3E 82.3        S 3E  1.2H0.25ML         0.25 200  422
EAB Z 142743.0        P 3E                                                   469
KMY Z 142711.50       P 1E                                                   196
SUE Z 142729.60       P 1I 64.20       S 3E                                  341
     -1
220890 LOWNET                         12.5      5.0DWR    LNEWBRIDGE,LOTHIAN     1
        3 938.97  311.58/ 671.34   6.6 0.2                 55.927   -3.415    2
  9 10 102 0.08  0.5  0.7 B A*B                                               3
EAU Z 030941.30       P 1IU42.70       S 3E                  0.25 200   10
EDI Z 030941.99       P 1IU44.10       S 2E 10.8H0.18M       0.25 200   14
EDI NS0309               EU               EU17.8H0.14ML      0.25 200   14
EDI EW0309               EU               ED 8.1H0.18ML      0.25 200   14
EBL Z 030944.50       P 2EU48.07       S 3E                               29
EBH Z 030945.48       P 2E                                               36
ESY Z 030947.67       P 3E                                               50
EAB Z 030949.82       P 3E                                               65
     -1
220890 LOWNET+                        12.5      5.0DWR/DG LCLACKMANNAN,CENTRAL 1
       102252.14  293.42/ 693.57   0.2 1.6                 56.123   -3.715    2
 12 19  81 0.12  0.4  0.7 B A*C COALFIELD TYPE                                3
EBH Z 102256.21       P 1ID                                              19
EAU Z 102258.99       P 2E 64.92       S 3E                              35
EAB Z 102259.52       P 2EU65.00       S 3E                              40
ELO Z 102259.60       P 3E 65.21       S 3E                              39
EDI Z 102259.70       P 2ED65.29       S 2E 10.5H0.60M       0.25 200   40
EDI NS1022               EU               ED12.1H0.70ML      0.25 200   40
EDI EW1022               ED               ED13.4H0.82ML      0.25 200   40
EBL Z 102302.26       P 3E                                               57
EDU Z 102304.70       P 3E                                               64
ESY Z 102305.10       P 3E                                               72
ESK Z 102310.45       P 4E 22.30       S 4                               95
ESK NS1023                                 6.4H0.20ML         0.25 200   95
ESK EW1023                                 7.0H0.21ML         0.25 200   95
ECK Z 102312.37       P 2ED25.02       S 3                               111
XSO Z 102312.95       P 2E 28.04       S 3                               116
PCO Z 102257.84       P 1ID62.40       S 3                               28
PCA Z 102304.18       P 4E                                               58
PGB Z 102304.50       P 4ED10.41       S 2                               59
PGB NS1023                                15.8H0.29ML         0.25 200   59
PGB EW1023                                11.7H0.26ML         0.25 200   59
PMS Z 102306.32       P 4E 15.06       S 3                               71
     -1
230890 LOWNET+                        12.5      5.0DWR/DG LCLACKMANNAN,CENTRAL 1
        61216.23  293.19/ 693.32   0.8 1.5            4+    56.121   -3.718    2
 19 19  80 0.12  0.3  0.5 B A*C COALFIELD TYPE,FELT NEAR  CLACKMANNAN          3
EBH Z 061220.28       P 1ID23.33       S 2E                              19
EAU Z 061222.91       P 1ID27.84       S 2ED                             35
EAB Z 061223.60       P 2EU28.80       S 3E                              39
ELO Z 061223.63       P 2E 28.80       S 3E                              39
EDI Z 061223.73       P 1ID29.21       S 1E  6.8H0.70M       0.25 200   40
EDI NS0612               IU               IU 8.0H1.00ML      0.25 200   40
EDI EW0612               ID               ID11.2H0.80ML      0.25 200   40
EBL Z 061226.45       P 2ED34.11       S 3ED                             57
EDU Z 061227.98       P 2ED36.20       S 3E                              65
ESY Z 061229.80       P 3E                                               73
ESK Z 061235.17       P 3E 46.98       S 3                               95
ESK NS0612                                 6.5H0.20ML         0.25 200   95
ESK EW0612                                 6.4H0.18ML         0.25 200   95
ECK Z 061235.86       P 3E 48.76       S 2                               111
XSO Z 061236.81       P 2E 51.49       S 2                               116
PCO Z 061221.78       P 1ID                                              28
PCA Z 061226.65       P 3E                                               58
PMS Z 061228.81       P 1ED38.29       S 2                               71
     -1
250890 KYLE+                          12.5      5.0PCM    LGLEN GARRY,HIGHLAND   1
        01459.75  209.79/ 802.39   6.3 1.3                 57.073   -5.138    2
 28 23  78 0.27  0.7  1.2 C B*C                                              3
KPL Z 001507.52       P 1E                                               43
KPL NS0015                        S    04.5H0.08ML          01.0 200   43
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KPL EW0015                12.70       S 2E 04.0H0.07ML          01.0 200   43
KAR Z 001507.48       P 3E 13.32       S 3E                                  46
KSB Z 001504.20       P 1IU06.80       S 3E                                  23
KAC Z 001508.32       P 3E 14.56       S 3E                                  49
KSK Z 001517.01       P3E                                                   104
EAB Z 001517.02       P 2E 31.01       S 3E 10.1H0.09M           0.25 200   110
ELO Z 001517.51       P 2E 30.91       S 3E  5.5H0.11M           0.25 200   110
EBH Z 001521.69       P 2E 38.00       S 3E                                 136
EDU Z 001522.69       P 3E 39.82       S 3E                                 142
EDI Z 001527.50       P 4E 48.22       S 3E                                 176
EDI NS0015               E                E  3.2H0.19ML          0.25 200   176
EDI EW0015               E                E  3.0H0.28ML          0.25 200   176
PCO Z 001521.67       P 2E                                                  137
PMS Z 001522.03       P 3E                                                  139
PCA Z 001526.07       P 2E 44.68       S 3E                                 162
MDO Z 001510.31       P 1EU17.51       S 3E                                  62
MVH Z 001517.91       P 2E 30.30       S 3E                                 111
MCD Z 001520.43       P 3E 34.60       S 3E                                 127
MCD NS0015                                 5.5H0.09ML          0.25 200   127
MCD EW0015                                 6.7H0.10ML          0.25 200   127
     -1
250890 CORNWALLL                    12.5       5.0ABW    LST IVES,CORNWALL      1
       753 1.04  141.69/  87.73   8.7 1.9                  50.631   -5.653     2
  8 53 305 0.11  0.7 14.5 D C*D NORTHWEST OF ST IVES                           3
CPZ Z 075310.02       P 1                                                   53
CCA Z 075310.83       P 1                                                   58
CST Z 075311.11       P 1                                                   60
CSA Z 075311.49       P 1                                                   62
CR2 Z 075311.60       P 1  19.03       S 2                                  62
CR2 NS0753                                12.4H0.04ML          2.5  200   62
CR2 EW0753                                11.1H0.05ML          2.5  200   62
CCO Z 075311.83       P 1                                                   64
CGH Z 075313.55       P 1                                                   73
     -1
260890 LOWNET    LN 715   1404      12.5       5.0DWR    LROSEWELL,LOTHIAN      1
       113029.05  330.12/ 663.27   0.7 0.2                  55.858   -3.117     2
  6  9 183 0.06  7.5  0.4 D D*D COALFIELD TYPE                                 3
EDI Z 113031.24       P 2E 32.69       S 2E  6.8H0.35M           0.25 200     9
EDI NS1130               EU               EU11.5H0.21ML          0.25 200     9
EDI EW1130               E                E  9.1H0.27ML          0.25 200     9
EBL Z 113031.60       P 2E 33.46       S 3E                                  10
EBH Z 113038.50       P 3E 45.03       S 3E                                  50
     -1
290890 CORNWALL                            5.0 ABW   LSOUTH CROFTY,CORNWALL 1
       3 850.11  168.02/  41.18   0.5 0.1                  50.224   -5.253     2
  6  5 315 0.06  2.0 14.5 D C*D                                               3
CCA Z 030850.86       P 1ID51.56       S 2                                    5
CST Z 030851.39       P 1ID                                                   7
CR2 Z 030851.63       P 1ID                                                   9
CR2 NS0308                                 6.8 H0.07ML          1.0  200     9
CR2 EW0308                                11.0H0.05ML          1.0  200     9
CCO Z 030851.90       P 1ID                                                  11
CGH Z 030853.78       P 1ID                                                  20
     -1
300890 LOWNET+   LN 716    286       12.5       5.0DWR    RNORTHERN NORTH SEA    1
       4 549.99  636.12 1082.28  19.6 2.7                  59.558     2.179     2
 29178 110 0.73  2.4  4.9 D D*D                                               3
ESY Z 040655.93       P 2E 101.98      S 3E                      0.25 200   496
ELO Z 040656.10       P 2EU102.18      S 2E                                  490
EBH Z 040657.30       P 3E 106.11      S 3E                                  500
EDI Z 040659.10       P 3E 108.08      S 2E  2.6H0.19M           0.25 200   516
EDI NS0406               E                ED 5.3H0.16ML          0.25 200   516
EDI EW0406               E                ED 5.1H0.28ML          0.25 200   516
XSO Z 040700.15       P 2E 50.00       S 3E                                  525
EBL Z 040700.30       P 3E 50.42       S 3E                                  524
EAB Z 040702.98       P 3E 53.08       S 3E                                  539
ESK Z 040706.45       P 4E 59.72       S 3E                                  573
ESK NS0407               E                E  4.0H0.10ML          0.25 200   573
ESK EW0407               E                E  3.7H0.08ML          0.25 200   573
LRW Z 040618.70       P 2E 38.45       S 3E                                  199
LRW NS0406                                02.5H0.13ML          01.0 200   199
LRW EW0406                                05.0H0.08ML          01.0 200   199
SAN Z 040618.41       P 1IU                                                 199
WAL Z 040620.80       P 1ID                                                 226
SUE Z 040621.70       P 1E 43.10       S 3E                                  220
HYA Z 040629.80       P 1I 57.40       S 3E                                  285
BER Z 040618.40       P 1I 37.40       S 3E                                  198
ODD1Z 040625.60       P 1I 49.60       S 3E                                  254
KMY Z 040615.50       P 1I 32.80       S 3E                                  179
     -1
300890KEYWORTH+  KW122              12.5     5.0LY     LMARKET DRAYTON,SHROPS 1
       44631.77  365.89/ 331.88   8.6 1.0                  52.883   -2.507     2
  4 47 205 0.03  0.0  0.0 C A*D                                               3
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KBI Z 044644.70        P 2ED                                                  78
KWE Z 044639.87        P 3                                                    47
CWF Z 044645.50        P 3  54.82        S 3                                  83
CWF NS0446                                    8.6H0.11ML          0.25 200   83
CWF EW0446                                    4.5H0.09ML          0.25 200   83
HLM Z 044640.09        P 2ID                                                  48
SBD Z 044646.92        P 4                                                    51
     -1
310890 LOWNET+   LN 716    626      12.5      5.0DWR/DG LNEWBRIDGE,LOTHIAN     1
       41049.42  311.32/ 672.16   5.8 0.4                 55.934   -3.420     2
  9 10 159 0.07  0.7  1.4 B A*C                                               3
EAU Z 041051.76        P 0IU53.32        S 3E                                 10
EDI Z 041052.43        P 0IU54.63        S 1ED 5.3H0.12M          0.25 200   15
EDI NS0410               EU                IU11.8H0.11ML         0.25 200   15
EDI EW0410               IU                EU 5.7H0.19ML         0.25 200   15
EBL Z 041055.00        P 1IU58.63        S 3E                                 30
EBH Z 041055.80        P 1IU60.82        S 3E                                 35
ESY Z 041058.17        P 2E                                                   50
ESK Z 041102.35        P 3E 10.80        S 3                                  70
ESK NS0411                                    4.8H0.07ML          0.25 200   70
ESK EW0411                                    6.2H0.08ML          0.25 200   70
XSO Z 041105.10        P 3E                                                   88
     -1
020990 LOWNET    LN 716   1531      12.5      5.0DWR    LROSEWELL,LOTHIAN      1
       2022 3.89  329.10/ 663.18   0.2 0.3                 55.857   -3.133     2
  8  8 173 0.02  0.2  0.1 B A*C COALFIELD TYPE                                 3
EDI Z 202205.92        P 1IU07.40        S 2ED 6.3H0.29M           1.0 200    8
EDI NS2022               IU                EU 4.8H0.19ML         1.0 200    8
EDI EW2022               ED                ED 3.7H0.18ML         1.0 200    8
EBL Z 202206.59        P 2ED08.60        S 2E                                 11
EAU Z 202208.20        P 3E 11.33        S 3E                                 20
EBH Z 202213.20        P 2E 19.87        S 3E                                 50
     -1
030990 LOWNET+   LN 716                        5.0BS     LCOLONSAY,STRATHCLYDE  1
       2152 1.10  154.42/ 704.49   0.1 0.7                 56.170   -5.957     2
  7 84 250 0.23  4.7  2.9 D C*D MAGNITUDE FROM VERTICALS                       3
EAB Z 215218.2         P 3E 30.7         S 3E  2.1H0.10ML          0.25 200  100
ELO Z 215223.8         P 3E 40.7         S 3E                                143
EBH Z 215224.8         P 4E 42.0         S 3E                                152
KAR Z 215215.55        P 2E 26.68        S 3   2.6H0.14ML          0.25 200   84
PMS Z 215216.03        P 2E 26.49        S 3   3.7H0.09ML          0.25 200   84
PCO Z 215220.35        P 3E                                                  118
     -1
050990LOWNET+    LN 716                        5.0BS     LTYNDRUM,CENTRAL       1
       61029.88  226.66/ 726.76   2.7 2.0                 56.401   -4.809     2
 26 38 136 0.27  0.9  2.5 C B*C                                              3
EAB Z 061036.48        P 0IU40.71        S 3E                                 38
ELO Z 061041.15        P 0IU49.82        S 3E                                 68
EBH Z 061043.87        P 1ID                                                  82
EDU Z 061048.21        P 2E 62.00        S 3E                                112
EDI Z 061049.08        P 3E 62.08        S 2E                                114
EDI NS0610                                   06.1H0.10ML          01.0 200   114
EDI EW0610                                   04.5H0.20ML          01.0 200   114
EBL Z 061051.80        P 2ED                                                  130
ESY Z 061053.95        P 2E 70.70        S 3E                                147
KAR Z 061044.07        P 1IU                                                  85
KSB Z 061045.87        P 1E                                                   98
KPL Z 061049.22        P 1E                                                  116
KPL NS0610                65.38        S 3E 14.0H0.07ML          01.0 200   116
KPL EW0610                                   17.0H0.07ML          01.0 200   116
KAC Z 061050.80        P 1E 65.95        S 3E                                126
PMS Z 061040.82        P 2ED48.31        S 2                                  62
PCO Z 061040.97        P 1IU48.68        S 3                                  64
PCA Z 061044.51        P 1IU                                                  85
ESK Z 061055.96        P 1ED75.18        S 3                                 157
ESK NS0610                                   11.0H0.16ML          0.25 200   157
ESK EW0610                                   10.1H0.17ML          0.25 200   157
ECK Z 061058.31        P 2ED77.89        S 2                                 172
     -1
080990 CORNWALL                                5.0WALKER LPENZANCE,CORNWALL     1
       233453.44  152.97/  26.51   2.2 0.0                 50.087   -5.454     2
  8 12 235 0.10  1.6  6.6 D C*D 5KM SOUTHEAST OF PENZANCE                      3
CPZ Z 233455.57        P 1 D57.15        S 2                                  12
CCA Z 233457.03        P 2E 59.56        S 2                                  20
CR2 Z 233457.50        P 2ED60.32        S 1                                  22
CR2 NS2334                                   11.0H0.04ML          1.0  200   22
CR2 EW2334                                    1.6H0.04ML          1.0  200   22
CCO Z 233457.50        P 4E                                                   19
CST Z 233457.77        P 2ED                                                  24
CBW Z 2334                61.05        S 2                                  25
     -1
100990 LOWNET    LN 717   1638      12.5      5.0DWR    LROSEWELL,LOTHIAN      1
       44516.31  328.44/ 663.26   0.5 0.3                 55.857   -3.143     2
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  6  8 166 0.05  0.8  0.9 B A*C COALFIELD TYPE                                  3
EDI Z 044518.32       P 1IU19.61       S 3E 10.1H0.26M          0.25 200    8
EDI NS0445               IU               ED 3.8H0.7 ML         0.25 200    8
EDI EW0445               E                EU12.5H0.38ML         0.25 200    8
EBL Z 044519.02       P 1ID21.09       S 3E                                  11
EAU Z 044520.41       P 3E 23.50       S 3E                                  20
     -1
130990 PAISLEY+  PA 330            12.5       5.0DG     LCLACKMANNAN,CENTRAL   1
       34021.35  295.11/ 694.37   2.2 0.5                 56.131   -3.688    2
 11 17  86 0.13  0.4  0.8 B A*C COALFIELD TYPE                                 3
EBH Z 034024.80       P 1EU27.18       S 3                                   17
EAU Z 034027.72       P 2E 32.77       S 3                                   35
ELO Z 034027.86       P 4E 33.49       S 3                                   38
EDI Z 034028.20       P 4E 33.50       S 3                                   39
EDI NS0340                                    3.1H0.20ML          0.25 200    39
EDI EW0340                                    2.5H0.26ML          0.25 200    39
EAB Z 034028.90       P 3E 34.10       S 3                                   41
PCO Z 034026.90       P 1EU31.88       S 3   4.5H0.32M           0.25 200    30
PMS Z 034034.27       P 3E                                                   73
PCA Z 034031.81       P 2E                                                   60
     -1
130990 PAISLEY+  PA 330            12.5       5.0DG     LCLACKMANNAN,CENTRAL   1
       34127.69  296.76/ 694.27   0.5 0.3                 56.130   -3.661    2
  4 16 204 0.22  0.0  0.0 C B*D COALFIELD TYPE,MAGNITUDE  FROM VERTICALS      3
EBH Z 034131.36       P 3E 33.87       S 3   5.5H0.60ML          0.25 200    16
PCO Z 034133.49       P 3E 38.60       S 3   2.5H0.26ML          0.25 200    31
     -1
130990 PAISLEY+  PA 330            12.5       5.0DG     LCLACKMANNAN,CENTRAL   1
        4 616.81  296.21/ 694.28   0.5 0.4                 56.130   -3.670    2
  4 17 202 0.22  0.0  0.0 C B*D COALFIELD TYPE,MAGNITUDE  FROM VERTICALS      3
EBH Z 040620.58       P 2E 22.96       S 3   6.1H0.50ML          0.25 200    17
PCO Z 040622.66       P 2E 27.70       S 3   2.5H0.40ML          0.25 200    31
     -1
130990 PAISLEY+  PA 330            12.5       5.0DG     LCLACKMANNAN,CENTRAL   1
        439 5.26  296.28/ 694.28   0.5 0.5                 56.130   -3.669    2
  6 17 118 0.21  1.7  2.3 C B*C COALFIELD TYPE                                 3
EBH Z 043909.06       P 1EU11.39       S 2                                   17
EDI Z 043912.71       P 4E 17.92       S 3                                   38
EDI NS0439                                    3.1H0.19ML          0.25 200    38
EDI EW0439                                    3.4H0.22ML          0.25 200    38
EAB Z 043913.13       P 3E                                                   42
PCO Z 043911.09       P 1EU16.11       S 2   3.5H0.30M           0.25 200    31
     -1
130990 PAISLEY   PA 330            12.5       5.0DG     LCLACKMANNAN,CENTRAL   1
        457 6.50  294.99/ 695.21   0.5 0.3                 56.138   -3.690    2
  4 17 194 0.28  0.0  0.0 C B*D COALFIELD TYPE,MAGNITUDE  FROM VERTICALS      3
EBH Z 045710.11       P 2E 13.03       S 3   4.0H0.56ML          0.25 200    17
PCO Z 045712.19       P 2E 17.37       S 3   2.4H0.30ML          0.25 200    30
     -1
130990N WALES                                 5.0RITCHIELLLEYN,GWYNEDD       1
       124411.35  240.89/ 343.48  24.4 1.1                 52.965   -4.369    2
 20  4  86 0.10  0.4  0.8 A A*A AFTERSHOCK                                     3
WCB Z 124420.89       P 3E 26.21       S 3                                   48
WCB NS1244                                  3.2 H0.06ML           1.0  200    48
WCB EW1244                                  2.9 H0.06ML           1.0  200    48
YRC Z 1244                22.88       S 2                                   35
YRE Z 124415.50       P 1ID                                                   4
WPM Z 124419.61       P 1IU25.10       S 3                                   45
WLF Z 124418.29       P 3E 23.05       S 1                                   36
WME Z 124419.94       P 2E 25.99       S 2                                   48
YLL Z 124416.75       P 1IU20.50       S 2                                   24
WLC Z 124418.90       P 1IU24.16       S 1                                   40
WLC NS1244                                  13.5H0.09ML           1.0  200    40
WLC EW1244                                  11.0H0.08ML           1.0  200    40
YRH Z 124416.72       P 1IU                                                   23
WBR Z 124418.07       P 2E 22.68       S 1                                   34
WST Z 124417.12       P 1ID20.70       S 3                                   26
WFB Z 124418.73       P 2E 23.60       S 2                                   39
     -1
140990 PAISLEY+  PA 330            12.5       5.0DG     LCLACKMANNAN,CENTRAL   1
       33536.25  294.39/ 693.59   0.8 0.8                 56.123   -3.699    2
 12 18  85 0.06  0.2  0.4 B A*C COALFIELD TYPE                                 3
PCO Z 033541.96       P 1ED45.77       S 3                                   29
PGB Z 033547.17       P 2E 55.01       S 2                                   60
PGB NS0335                                    3.4H0.21ML          0.25 200    60
PGB EW0335                                    2.1H0.28ML          0.25 200    60
PCA Z 033547.19       P 3E                                                   59
PMS Z 033549.39       P 2E                                                   72
EBH Z 033540.10       P 1ID43.00       S 3E                  0.25 200    18
EAU Z 033543.00       P 3E 47.73       S 3E                                  35
ELO Z 033543.59       P 2E 48.99       S 3E                                  39
EDI Z 033543.72       P 2E 48.83       S 3E  5.4H0.18M       0.25 200    39
EDI NS0335               E                E  2.5H0.32ML      0.25 200    39
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EDI EW0335              E               E  2.0H0.40ML          0.25 200   39
EAB Z 033544.08       P 3E 49.40       S 3E                                40
     -1
140990 LOWNET    LN 718    798      12.5      5.0DWR    LROSEWELL,LOTHIAN     1
       16 136.80  327.62/ 662.93   1.0 1.0                55.854   -3.156    2
 10  8 125 0.06  0.4  0.4 B A*B COALFIELD TYPE                               3
EDI Z 160138.77       P 0IU40.29       S 1ID 8.1H0.23M          2.5 200    8
EDI NS1601              IU               ID 2.7H0.6 ML          2.5 200    8
EDI EW1601              ID               ID 3.5H0.6 ML          2.5 200    8
EBL Z 160139.50       P 0ID41.51       S 2EU                               11
EAU Z 160140.69       P 3E 43.56       S 3E                                19
ESY Z 160143.30       P 3E 47.60       S 3E                                35
EBH Z 160146.00       P 2EU52.60       S 3E                                49
     -1
140990 CORNWALL                                  5.0WALKER LST DAY,CORNWALL     1
       1842 1.39  176.37/  42.19   0.7-0.2                50.237   -5.136    2
  7  5 302 0.02  0.1  0.8 C A*D EAST OF ST DAY                               3
CST Z 184202.26       P 1ID02.92       S 2                                  5
CR2 Z 184202.81       P 1ID                                                 8
CR2 NS1842                          5.1 H0.04ML          1.0  200    8
CR2 EW1842                          4.9 H0.06ML          1.0  200    8
CCA Z 184202.90       P 1ID                                                 9
CBW Z 184203.14       P 1ID                                                10
CCO Z 184203.52       P 1ID05.13       S 2                                 12
     -1
150990LANCS+     LA 061            12.5      5.0JAR    LLITTLEBOROUGH,GTR MAN 1
        511 1.98  396.29/ 413.87   4.4 0.9                53.621   -2.056    2
 12 42 136 0.26  1.1  4.3 C B*C                                             3
LLO Z 051109.49       P 3E 14.30       S 4                                 42
LBO Z 051111.06       P 2E                                                 52
LLY Z 051112.88       P 3E 19.22       S 3                                 60
LKL Z 051114.68       P 3E                                                 74
LCK Z 051118.87       P 3E                                                 98
LMI Z 051119.60       P 3E 32.40       S 3                                106
LMI NS0511                          2.4H0.11ML          0.25 200  106
LMI EW0511                          2.4H0.17ML          0.25 200  106
KBI Z 051111.18       P 3E                                                 54
CWF Z 0511                33.69       S 3                                110
CWF NS0511                          4.2H0.08ML          0.25 200  110
CWF EW0511                          3.1H0.08ML          0.25 200  110
HPK Z 051110.30       P 2EU16.30       S 3                                 47
     -1
160990 LOWNET+   LN718                          5.0       LLOCHAILORT,HIGHLAND   1
        34844.52  183.78/ 781.13   9.1 1.3                56.871   -5.548    2
 22 18 130 0.20  0.8  2.2 B B*B                                             3
EDI Z 0349                33.19       S 3E                               180
EDI NS0349                          3.0H0.13ML          0.25 200  180
EDI EW0349                          3.0H0.09ML          0.25 200  180
EAB Z 034901.52       P 1ED14.49       S 3E                               106
EDU Z 034910.74       P 1EU                                               159
EBH Z 034907.59       P 1ED24.58       S 3E                               143
ELO Z 034904.09       P 1ID18.89       S 3E                               121
KPL Z 034853.40       P 2E 60.01       S 2E                                53
KAR Z 034848.28       P 1IU50.64       S 3E                                18
KSB Z 034852.01       P 3E 55.89       S 3E                                39
PMS Z 034904.47       P 1ID18.98       S 3E                               125
PCO Z 034905.85       P 2E 21.08       S 3E                               133
PGB Z 034906.22       P 2E 21.73       S 3E                               136
PGB NS0349                          4.5H0.10ML          0.25 200  136
PGB EW0349                          4.3H0.09ML          0.25 200  136
PCA Z 034908.05       P 3E                                                153
MDO Z 034900.40       P 2EU11.60       S 3E                                96
MVH Z 034908.12       P 2E 24.10       S 3E                               143
MME Z 034911.19       P 2E                                                164
MCD Z 034909.70       P 3EU28.20       S 3E                               160
MCD NS0349                         04.0H0.10ML          0.25 200  160
MCD EW0349                         06.5H0.10ML          0.25 200  160
     -1
160990 LOWNET    LN 718   1461      12.5      5.0JHT    LROSEWELL,LOTHIAN     1
       145332.33  328.40/ 662.12   0.1 0.6                55.847   -3.144    2
  7  9 127 0.05  0.2  0.2 B A*B COALFIELD TYPE                               3
EDI Z 145334.55       P 1EU36.14       S 2ED 5.0H0.37M          1.0 200    9
EDI NS1453              E                E  2.5H0.80ML          1.0 200    9
EDI EW1453              E                E  3.0H0.57ML          1.0 200    9
EBL Z 145334.85       P 2ED36.76       S 3EU                               10
EAU Z 145336.61       P 3E 39.58       S 3EU                               20
ESY Z 145339.09       P 3ED                                               34
     -1
190990 CORNWALL                                  5.0ABW    LHELSTON,CORNWALL      1
       175212.53  170.77/  30.97   1.1-0.2                50.134   -5.208    2
  7  1 270 0.07  1.3  0.8 C B*D NORTHEAST OF HELSTON                        3
CCO Z 175212.80       P 1IU12.95       S 2                                  1
CR2 Z 175213.26       P 1IU                                                 5
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CR2 NS1752                                        6.5 H0.04ML          1.0  200    5
CR2 EW1752                                        6.5 H0.04ML          1.0  200    5
CBW Z 175213.70       P 1 U14.86       S 4                                        7
CST Z 175213.84       P 1 U                                                       8
CCA Z 175213.65       P 1 U                                                       6
     -1
250990N WALES                                      5.0RITCHIELLLEYN,GWYNEDD          1
       131424.03  240.40/ 342.89  24.7 1.4                  52.959   -4.376     2
 20  4  87 0.08  0.3  0.8 A A*A AFTERSHOCK                                        3
WCB Z 131432.85       P 3E 38.65       S 2                                       48
WCB NS1314                                        4.6 H0.07ML          1.0  200   48
WCB EW1314                                        9.1 H0.07ML          1.0  200   48
YRC Z 131430.98       P 1ID35.72       S 2                                       35
YRE Z 131427.99       P 1ID                                                       4
WPM Z 131432.42       P 1IU                                                      46
WLF Z 131431.05       P 2E 35.80       S 3                                       37
WME Z 131432.80       P 1IU38.79       S 3                                       49
YLL Z 131429.55       P 1IU                                                      24
WLC Z 131431.70       P 1IU37.00       S 1                                       40
WLC EW1314                                        2.5 H0.06ML         10.0  200   40
YRH Z 131429.40       P 1IU                                                      22
WVR Z 131433.60       P 3E                                                       55
WST Z 131429.83       P 2E                                                       26
WFB Z 131431.35       P 2E 36.30       S 2                                       38
WBR Z 131430.80       P 1IU35.40       S 3                                       34
WLC NS1314                                        4.5 H0.07ML         10.0  200   40
     -1
250990N WALES                                      5.0RITCHIELLLEYN,GWYNEDD          1
       131538.02  240.47/ 342.81  24.2 0.6                  52.959   -4.375     2
 18  4  87 0.08  0.3  0.6 A A*A AFTERSHOCK                                        3
WCB Z 131546.52       P 3E 52.60       S 2                                       48
WCB NS1315                                        2.2 H0.08ML          0.25 200   48
WCB EW1315                                        5.1 H0.08ML          0.25 200   48
YRC Z 131544.77       P 3E 49.57       S 2                                       35
YRE Z 131541.91       P 1ID                                                       4
WPM Z 131546.40       P 2E 52.20       S 3                                       46
WME Z 131546.86       P 3E 52.65       S 3                                       49
YLL Z 131543.50       P 3E 47.22       S 1                                       24
WLC Z 131545.62       P 1IU50.90       S 1                                       40
WLC NS1315                                        6.5 H0.08ML          1.0  200   40
WLC EW1315                                        3.6 H0.05ML          1.0  200   40
YRH Z 131543.33       P 1IU46.93       S 2                                       22
WBR Z 1315                49.40       S 2                                       34
WFB Z 131545.22       P 3E 50.14       S 2                                       38
     -1
270990KEYWORTH+  KW126              12.5       5.0WRIGHT LROTHERHAM,S YORKSHIRE 1
        35524.52  448.65/ 392.16   2.8 1.4                  53.424   -1.268     2
 13 26 160 0.41  1.9  3.8 C C*C                                                   3
CWF Z 035537.11       P 3E 46.47       S 3                                       76
CWF NS0355                                        8.1H0.12ML           0.25 200   76
CWF EW0355                                        5.8H0.10ML           0.25 200   76
KWE Z 035534.20       P 3E                                                       59
KBI Z 035528.42       P 2E                                                       26
HPK Z 035535.48       P 3E 43.18       S 3                                       64
KSY Z 035536.48       P 3E                                                       68
LKL Z 035544.70       P 3E                                                      122
LBO Z 035542.52       P 3E                                                      106
LLO Z 035540.97       P 3E                                                       98
MCH Z 035555.76       P 3E 77.50       S 3                                      197
MCH NS0335                                        5.1 H0.19ML          0.25 200  197
MCH EW0335                                        3.5 H0.19ML          0.25 200  197
SBD Z 035548.53       P 2E                                                      145
     -1
280990 ESK+      ES 494             12.5       5.0DG     LSEAHAM,DURHAM          1
        61344.35  442.95/ 550.34   0.2 1.3                  54.846   -1.331     2
 10 93 322 0.17  7.0  5.1 D D*D COALFIELD TYPE                                    3
XSO Z 061400.29       P 2ED12.11       S 2                                       93
ECK Z 061404.91       P 3E 19.32       S 3                                      121
ESK Z 061406.30       P 3E 22.32       S 3                                      131
ESK NS0614                                        2.8H0.21ML           0.25 200  131
ESK EW0614                                        2.6H0.21ML           0.25 200  131
ESY Z 061408.05       P 3E 26.15       S 3   3.5H0.20M              0.25 200  144
EBL Z 061408.85       P 3E 27.00       S 3   3.0H0.20M              0.25 200  150
     -1
280990 KEYWORTH                                    5.0       LEDWINSTOWE,NOTTS       1
       144729.20  461.40/ 365.04   2.1 1.4              2+   53.179   -1.081     2
  5 31 200 0.05  1.2  1.8 C B*D COALFIELD TYPE,FELT       EDWINSTOWE               3
KBI Z 144734.95       P 1                                                        31
CWF Z 144738.39       P 1  45.15       S 2                                       51
CWF NS1447                                        4.7 H0.12ML           1.0 200   51
CWF EW1447                                        4.7 H0.18ML           1.0 200   51
KWE Z 144738.91       P 1                                                        54
KSY Z 144736.68       P 2                                                        41
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      -1
290990 LOWNET     LN 720  1461        12.5       5.0        LROSEWELL,LOTHIAN      1
       232931.71  327.77/ 662.06   0.4-0.5                     55.846   -3.154     2
  5  9 153 0.09  0.5  0.7 C A*D COALFIELD TYPE                                      3
EDI Z 232933.79        P 2E 35.56        S 2E  3.4H0.30M            0.25 200     9
EDI NS2329                E 35.56        S  EU 2.5H0.22ML           0.25 200     9
EDI EW2329                E                 E  2.2H0.22ML           0.25 200     9
EBL Z 232934.29        P 3E 36.62        S 3E                                    11
EAU Z 232935.79        P 3E                                                      19
      -1
300990LOWNET      LN 720  1416        12.5       5.0        LLASSWADE,LOTHIAN      1
       152958.76  330.08/ 664.27   1.0-0.1                     55.867   -3.117     2
  6  8 190 0.07  1.9  1.7 C B*D COALFIELD TYPE                                      3
EDI Z 153000.68        P 1IU02.11        S 2E  7.0H0.22M            0.25 200     8
EDI NS1530                IU02.11        S  EU 6.4H0.19ML           0.25 200     8
EDI EW1530                E                 EU 3.5H0.40ML           0.25 200     8
EBL Z 153001.28        P 3E 03.49        S 3E                                    11
EAU Z 153003.15        P 2E 06.21        S 3E                                    21
      -1
011090NORTH SEA                                    5.0BS      NORTHERN NORTH SEA     1
       22 716.08  627.11 1004.71  17.0 1.6                     58.875    1.942     2
  4221 357 0.97  0.0  0.0 D D*D                                                    3
LRW Z 220748.91        P 1E 70.00        S 3E                                   226
LRW NS2207                                      03.8H0.11ML           0.25 200   226
LRW EW2207                                      03.5H0.12ML           0.25 200   226
SAN Z 220746.50        P 1E 71.20        S 3E                                   221
      -1
031090 ESK        ES 494           12.5       5.0DG      LCARLISLE,CUMBRIA      1
        54957.66  342.02/ 548.19   1.0 0.5                     54.825   -2.903     2
  6 42 255 0.04  2.9  1.6 D C*D 5KM SOUTH OF CARLISLE                               3
ECK Z 055005.49        P 1IU11.42        S 3                                     42
XAL Z 055005.93        P 1IU                                                     44
ESK Z 055008.22        P 2ED15.71        S 2                                     58
ESK NS0550                                      2.6H0.08ML            0.25 200    58
ESK EW0550                                      3.1H0.09ML            0.25 200    58
XSO Z 055012.36        P 3E 23.60        S 3                                     85
      -1
031090KEYWORTH+  KW127            12.5       5.0WRIGHT LWALESBY,NOTTS       1
       111555.71  467.60/ 372.03   0.2 1.7                     53.241   -0.987     2
  8 36 288 0.36 14.1  8.5 D D*D COALFIELD TYPE                                      3
CWF Z 111606.51        P 3E 14.62        S 2                                     60
CWF NS1116                                      4.0H0.12ML            1.0  200    60
CWF EW1116                                      4.0H0.12ML            1.0  200    60
KWE Z 111606.31        P 3E                                                      62
KBI Z 111602.70        P 3E                                                      36
SBD Z 111622.05        P 2E 40.10        S 2                                    157
HAE Z 111623.80        P 3E                                                     171
MCH Z 111626.55        P 4E 49.65        S 3                                    194
MCH NS1116                                      8.0H0.17ML            0.25 200   194
MCH EW1116                                     11.8H0.17ML            0.25 200   194
      -1
031090N WALES+                                     5.0RITCHIELBETWS-Y-COED,GWYNEDD  1
       164739.89  273.96/ 354.20  11.8 0.7                    53.070   -3.881     2
 20 11 118 0.10  0.3  0.5 B A*B                                                    3
WCB Z 164749.25        P 3E 55.90        S 3                                     56
WCB NS1647                                      4.2 H0.06ML           0.25 200    56
WCB EW1647                                      2.9 H0.08ML           0.25 200    56
YRE Z 164746.72        P 1IU                                                     38
WPM Z 164744.00        P 1ID46.70        S 3                                     21
WLF Z 164747.20        P 1ID51.90        S 3                                     42
WME Z 164747.72        P 2E                                                      46
YLL Z 164743.99        P 2E 46.50        S 2                                     21
WLC Z 164742.60        P 1ID44.40        S 1                                     11
WLC NS1647                                     12.8H0.09ML            2.5  200    11
WLC EW1647                                     10.5H0.08ML            2.5  200    11
WVR Z 164746.30        P 1ID                                                     36
WBR Z 164744.41        P 1ID47.30        S 2                                     24
WST Z 164742.92        P 2E                                                      13
WFB Z 164747.70        P 3E 52.62        S 3                                     44
YRC Z 1647                54.58        S 3                                     51
SBD Z 164748.59        P 3E 53.0         S 2                                     46
      -1
041090 ESK        ES 494           12.5       5.0DG      LSEAHAM,DURHAM         1
        25140.71  443.83/ 549.06   1.6 1.3                     54.834   -1.318     2
  6 94 327 0.13 54.7 41.7 D D*D COALFIELD TYPE                                     3
XSO Z 025156.59        P 2E 68.44        S 2                                     94
ECK Z 025201.21        P 2EU15.62        S 2                                    122
ESK Z 025202.60        P 3E 18.62        S 3                                    132
ESK NS0252                                      3.6H0.19ML            0.25 200   132
ESK EW0252                                      3.1H0.19ML            0.25 200   132
      -1
041090N WALES                                      5.0RITCHIELLLANBEDR,GWYNEDD    1
        33019.23  266.78/ 328.24  14.2 0.3                    52.835   -3.978     2
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 18  6 105 0.09  0.4  0.5 B A*B                                                3
WLC Z 033023.65       P 2E 26.18       S 3                                    22
WLC NS0330                                  5.9 H0.08ML          1.0  200    22
WLC EW0330                                  3.5 H0.09ML          1.0  200    22
WVR Z 033024.10       P 2ED                                                  26
WBR Z 033021.87       P 1IU23.60       S 2                                    6
WFB Z 033022.95       P 1IU                                                  17
YRE Z 033025.56       P 1IU                                                  34
WPM Z 033027.48       P 2E 32.90       S 2                                    47
WLF Z 033029.15       P 2E 35.55       S 2                                    58
WME Z 033030.82       P 2E 37.90       S 3                                    66
YLL Z 033025.53       P 2E 29.90       S 3                                    36
YRC Z 0330               36.50         S 3                                    61
WCB Z 033031.65       P 3E 39.10       S 3                                    72
     -1
041090KEYWORTH+  KW127             12.5       5.0WRIGHT LMANSFIELD,NOTTS       1
       43357.86  450.49/ 358.90   0.1 1.7                 53.125   -1.245     2
 11 24 220 0.29  1.3  1.4 C B*D COALFIELD TYPE                                 3
CWF Z 043406.42       P 3E 12.12       S 3                                    43
CWF NS0434                                  8.0H0.21ML          0.25 200    43
CWF EW0434                                  8.5H0.31ML          0.25 200    43
KWE Z 043405.51       P 1IU11.90       S 2                                    42
KBI Z 043402.50       P 2E                                                   24
LMI Z 043428.32       P 4E 49.78       S 2                                    183
LCK Z 043426.70       P 3E 46.59       S 3                                    174
LKL Z 043422.35       P 2E 40.65       S 2                                    149
LBO Z 043419.99       P 3E                                                   130
HPK Z 043415.10       P 4E 25.44       S 4                                    96
HPK NS0434                                 12.5H0.20ML          1.0  200    96
HPK EW0434                                  5.9H0.22ML          1.0  200    96
     -1
051090 JERSEY                                5.0020        ST AUBINS BAY,JERSEY  1
       82136.68  390.34/ -86.45   8.6 0.2                 49.122   -2.132     2
  8  8 312 0.05  0.7  0.7 C A*D SOUTH OF ST AUBINS BAY                         3
JLP Z 082139.68       P 1  41.90       S 1                                    14
JSA Z 082138.93       P 1  40.54       S 1                                    8
JVM Z 082139.41       P 1  41.33       S 1                                    12
JRS Z 082138.90       P 1  40.55       S 1                                    8
     -1
061090KEYWORTH   KW127               12.5    5.0LY     LEDWINSTOWE,NOTTS       1
       112817.13  461.45/ 364.92   2.5 1.2                 53.178   -1.080     2
  4 31 271 0.02  0.0  0.0 C A*D COALFIELD TYPE                                 3
CWF Z 112826.27       P 2                                                    51
CWF NS1128               32.89       S 2  10.0H0.16ML          0.25 200    51
CWF EW1128                                  8.0H0.26ML          0.25 200    51
KSY Z 112830.11       P 4                                                    41
KWE Z 112826.70       P 2                                                    54
KBI Z 112822.85       P 2                                                    31
     -1
061090KYLE+                                  5.0PCM/DG LSKYE,HIGHLAND         1
       131747.52  156.50/ 830.88   4.4 0.7                 57.304   -6.043     2
 12 24 131 0.08  0.4  0.7 B A*C                                               3
KPL Z 131752.01       P 1ID                                                  24
KPL NS1317               55.29       S 2E 14.0H0.10ML          0.25 200    24
KPL EW1317                                  7.0H0.10ML          0.25 200    24
KAR Z 131755.45       P 1IU61.33       S 1E                                   45
KSB Z 131754.65       P 1E 59.82       S 2E                                   39
KAC Z 131756.37       P 1E 62.53       S 3E                                   50
KSK Z 131755.33       P 3E                                                   44
PMS Z 131815.97       P 2E 37.61       S 3                                    181
PGB Z 131818.37       P 2EU40.20       S 3                                    192
PGB NS1318                                  3.6H0.07ML          0.25 200    192
PGB EW1318                                  2.8H0.10ML          0.25 200    192
PCA Z 131819.27       P 3E                                                   210
     -1
071090LOWNET     LN721    1485      12.5       5.0FW/DWR LROSEWELL,LOTHIAN      1
       161048.34  328.22/ 663.13   1.8 0.8                 55.856   -3.147     2
  5  8 163 0.09  0.3  0.5 C A*D COALFIELD TYPE                                 3
EDI Z 161050.17       P 0IU51.37       S 3                                    8
EDI NS1610                                  8.4H0.25ML          1.0  200    8
EDI EW1610                                  9.6H0.37ML          1.0  200    8
EBL Z 161050.89       P 0ID                                                  11
EAU Z 161052.35       P 1EU54.96       S 2                                    19
     -1
071090KEYWORTH   KW127               12.5    5.0LY     LOLLERTON,NOTTS         1
       163315.37  469.14/ 367.20   3.8 1.0                 53.197   -0.965     2
  5 36 216 0.29  4.3  6.7 D C*D COALFIELD TYPE                                 3
CWF Z 163325.05       P 2  32.05       S 2                                    56
CWF NS1633                                  7.6H0.10ML          0.25 200    56
CWF EW1633                                  9.1H0.10ML          0.25 200    56
KSY Z 163322.00       P 1IU                                                  36
KWE Z 163326.72       P 2                                                    62
KBI Z 163322.10       P 2                                                    38
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     -1
071090KEYWORTH   KW127              12.5    5.0LY     LBLIDWORTH,NOTTS      1
       164326.73  455.10/ 355.21   0.7 0.6               53.091   -1.177    2
  4 30 245 0.17  0.0  0.0 C B*D COALFIELD TYPE                               3
CWF Z 164334.21       P 2  40.21       S 3                                  40
CWF NS1643                                  3.5H0.20ML          0.25 200   40
CWF EW1643                                  3.8H0.19ML          0.25 200   40
KWE Z 164335.05       P 2                                                   45
KBI Z 164332.70       P 2                                                   30
     -1
081090 LOWNET    LN 721                      5.0       LLASSWADE,LOTHIAN     1
        6 856.91  330.45/ 665.89   2.7 0.3               55.881   -3.112    2
  6  7 205 0.12  2.2 59.0 D C*D COALFIELD TYPE                               3
EDI Z 060858.43       P 1ID59.68       S 1EU 9.5H0.28M          0.25 200    7
EDI NS0608               E                E 12.5H0.30ML          0.25 200    7
EDI EW0608               E                E 13.5H0.28ML          0.25 200    7
EBL Z 060859.70       P 2ED61.35       S 2ED                                13
EAU Z 060900.83       P 3ED04.23       S 3E                                 22
     -1
081090KEYWORTH   KW127              12.5    5.0LY     LILKESTON,DERBYSHIRE  1
       174734.56  446.61/ 388.50   1.7 1.3               53.391   -1.299    2
  4 21 270 0.10  0.0  0.0 C A*D COALFIELD TYPE                               3
CWF Z 174737.37       P 3                                                   73
CWF NS1747                56.41       S 3   7.6H0.19ML          0.25 200   73
CWF EW1747                                  6.9H0.17ML          0.25 200   73
KBI Z 174738.74       P 1ED                                                 22
KWE Z 174744.70       P 3                                                   55
KSY Z 174746.31       P 3                                                   67
     -1
091090SHROPSHIRE+SB31              12.5    5.0LY     LSHREWSBURY,SHROPSHIRE 1
       154132.36  356.44/ 320.02   7.3 1.4               52.776   -2.646    2
 20 33 125 0.19  0.4  2.0 C B*C NORTHWEST OF SHREWSBURY                      3
HLM Z 154138.20       P 2  42.31       S                                    33
SBC Z 154139.70       P 1ID44.68       S 2                                  40
SBC NS1541                                  3.5H0.11ML          1.0 200    40
SBC EW1541                                  3.6H0.06ML          1.0 200    40
SOB Z 154140.80       P 2ED46.70       S 3                                  48
SOB NS1541                                  5.6H0.09ML          1.0 200    48
SOB EW1541                                  6.0H0.09ML          1.0 200    48
SSP Z 154141.30       P 2  47.40       S 2                                  51
SSP NS1541                                 14.9H0.11ML          1.0 200    51
SSP EW1541                                  5.5H0.10ML          1.0 200    51
MCH Z 154147.15       P 2ED                                                 90
MCH NS1541                57.60       S 2   6.0H0.16ML          1.0 200    90
MCH EW1541                                  4.8H0.10ML          1.0 200    90
HTR Z 154147.10       P 1ID                                                 88
SBD Z 154140.19       P 2  45.46       S 2                                  44
KWE Z 154142.51       P 1EU                                                 60
HCG Z 154146.60       P 2                                                   85
KBI Z 154147.85       P 1ID                                                 92
WBR Z 154146.49       P 2E 56.05       S 3                                  85
CWF Z 154147.30       P 2  57.35       S 3                                  90
CWF NS1541                                  8.5H0.09ML          1.0 200    90
CWF EW1541                                  4.1H0.10ML          1.0 200    90
     -1
121090 LOWNET+   LN 722    648      12.5      5.0DWR    CLACKMANNAN,CENTRAL   1
        43749.07  292.47/ 693.06   1.4 0.7               56.118   -3.730    2
 13 20 111 0.10  0.3  0.5 B A*C COALFIELD TYPE                               3
EBH Z 043753.06       P 2ED56.20       S 2EU                0.25 200    20
EAB Z 043756.32       P 3E 61.40       S 3E                                 39
ELO Z 043756.40       P 3E 61.70       S 3E                                 39
EDI Z 043756.50       P 2ED62.01       S 3E  3.0H0.21M          0.25 200    40
EDI NS0437               E                E  2.1H0.25ML          0.25 200    40
EDI EW0437               E                E  2.8H0.40ML          0.25 200    40
PCO Z 043754.39       P 2E 58.30       S 3                      0.25 200    27
PGB Z 043759.92       P 3E 67.03       S 3                                  58
PGB NS0437                                  3.3H0.21ML          0.25 200    58
PGB EW0437                                  2.6H0.21ML          0.25 200    58
PMS Z 043801.80       P 2E                                                  70
     -1
131090LOWNET+    LN 722 1052       12.5      5.0FW/DWR LGLENDARUEL,STRATHCLYDE1
         858 8.59  203.41/ 688.47   3.4 1.3               56.049   -5.157    2
 19 34 291 0.25  1.9  2.0 C B*D                                             3
EAB Z 085817.90       P 1IU22.95       S 4E                 0.25 200    53
ELO Z 085825.82       P 3E 37.20       S 3E                             101
EAU Z 085826.39       P 2E 40.20       S 3E                             109
EBH Z 085826.41       P 2E 37.97       S 2E                             105
EDI Z 085828.80       P 3E 43.72       S 2E  4.0H0.21M          0.25 200   124
EDI NS0858               E                EU 5.5H0.26ML          0.25 200   124
EDI EW0858               E                E  6.1H0.21ML          0.25 200   124
EBL Z 085831.08       P 2E 47.02       S 3E                             136
PMS Z 085814.70       P 0IU19.55       S 1                               34
PGB Z 085817.39       P 1IU23.73       S 2                               50
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PGB NS0858                                    11.7H0.10ML          0.25 200   50
PGB EW0858                                    11.0H0.09ML          0.25 200   50
PCO Z 085820.12       P 1ID28.72       S 2                                    67
PCA Z 085820.30       P 2ED28.90       S 2                                    69
      -1
131090 LOWNET+   LN 722   1053      12.5      5.0DWR    LCLACKMANNAN,CENTRAL    1
        9 056.94  293.34/ 697.21   1.5 0.8                56.156   -3.717     2
  8 17 180 0.63  4.3  4.8 D D*D COALFIELD TYPE,MAGNITUDE  FROM VERTICALS       3
EBH Z 090100.23       P 1IU02.60       S 2E 14.2H0.52ML          0.25 200   17
EAB Z 090103.53       P 3E 08.32       S 3E                                   39
ELO Z 090104.12       P 3E 09.68       S 3E                                   35
PCO Z 090103.31       P 3E 07.42       S 3E                                   30
      -1
151090LANCS+     LA 065            12.5      5.0JAR    LBOLTON,GTR MANCHESTER 1
       31029.83  372.59/ 408.70  11.1 1.7                53.574   -2.414     2
 24 32 127 0.17  0.6  1.3 C B*C                                                3
LLO Z 031035.51       P 0ID                                                  32
LLY Z 031037.30       P 0ID42.09       S 3                                   41
LBO Z 031037.76       P 0ID                                                  46
LBH Z 031040.12       P 3ED                                                  60
LKL Z 031041.78       P 1IU49.99       S 3                                   72
LCK Z 031045.24       P 1IU55.72       S 4                                   92
LMI Z 031045.53       P 2EU56.48       S 3                                   93
LMI NS0310                                    1.3H0.39ML           1.0 200   93
LMI EW0310                                    2.1H0.48ML           1.0 200   93
KBI Z 031041.32       P 3E 49.96       S 4                                   69
KWE Z 031041.98       P 1ID51.42       S 4                                   73
CWF Z 031049.05       P 2EU62.90       S 3                                  119
CWF NS0310                                    4.0H0.10ML           1.0 200  119
CWF EW0310                                    4.1H0.11ML           1.0 200  119
SBD Z 031045.10       P 1ID56.35       S 3                                   93
HLM Z 031049.40       P 3E 63.40       S 3                                  122
WLC Z 031048.00       P 2EU60.91       S 3                                  112
WLC NS0310                                   20.6H0.10ML           0.25 200  112
WLC EW0310                                   12.6H0.09ML           0.25 200  112
WPM Z 031047.00       P 1EU                                                  105
WCB Z 031052.79       P 3E 68.55       S 3                                  143
YRE Z 031052.98       P 1EU                                                  150
      -1
151090LANCS+     LA 065            12.5      5.0JAR    LBOLTON,GTR MANCHESTER 1
      204719.38  373.87/ 409.05   8.9 1.5                53.577   -2.395     2
 23 32  72 0.20  0.6  2.4 C B*C FIRST OF DOUBLE EVENT                          3
LLO Z 204725.15       P 0ID                                                  32
LLY Z 204726.91       P 0ID31.70       S 3                                   42
LBO Z 204727.38       P 0ID                                                  46
LKL Z 204731.37       P 1ID                                                  72
LCK Z 204734.90       P 1EU                                                  93
LMI Z 204735.18       P 2EU46.09       S 3                                   93
LMI NS2047                                    0.9 0.40 ML          1.0 200   93
LMI EW2047                                    1.5 0.51 ML          1.0 200   93
KBI Z 204730.97       P 3E                                                   68
KWE Z 204731.60       P 2ED                                                  73
CWF Z 204738.87       P 3E 52.73       S 3                                  118
CWF NS2047                                    2.9 0.11 ML          1.0 200  118
CWF EW2047                                    3.1 0.11 ML          1.0 200  118
HPK Z 204730.44       P 0IU38.18       S 3                                   66
SBD Z 204734.60       P 2E 46.19       S 3                                   95
HLM Z 204738.66       P 3E 53.03       S 3                                  123
WLC Z 204737.59       P 2EU50.54       S 3                                  113
WLC NS2047                                   15.8H0.10ML           0.25 200  113
WLC EW2047                                    6.8H0.09ML           0.25 200  113
WPM Z 204736.60       P 1IU                                                  107
WCB Z 204742.10       P 3E                                                   145
YRE Z 204742.76       P 3E                                                   151
      -1
151090LANCS+     LA 065            12.5      5.0JAR    LBOLTON,GTR MANCHESTER 1
      204724.95  374.30/ 409.40   8.4 1.6                53.580   -2.388     2
 20 32  92 0.17  0.5  3.4 C B*C SECOND OF DOUBLE EVENT                         3
LLO Z 204730.67       P 1ID                                                  32
LLY Z 204732.48       P 3E                                                   42
LBO Z 204732.92       P 1ID                                                  46
LKL Z 204736.88       P 3E                                                   72
LCK Z 204740.42       P 3E                                                   92
LMI Z 204740.60       P 3E 51.58       S 3                                   93
LMI NS2047                                    1.4H0.39ML           1.0 200   93
LMI EW2047                                    2.1H0.51ML           1.0 200   93
KWE Z 204737.11       P 3E                                                   73
CWF Z 204744.33       P 3E 58.25       S 3                                  118
CWF NS2047                                    3.0H0.11ML           1.0 200  118
CWF EW2047                                    4.1H0.11ML           1.0 200  118
HPK Z 204735.97       P 2EU43.70       S 3                                   65
SBD Z 204740.24       P 3E 52.10       S 3                                   95
HLM Z 204744.85       P 3E 58.58       S 3                                  123
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WLC Z 204743.10        P 3E 56.00        S 3                                    113
WLC NS2047                                    16.3H0.10ML          0.25 200  113
WLC EW2047                                     8.1H0.09ML          0.25 200  113
WPM Z 204742.10        P 2EU                                                  107
WCB Z 204747.84        P 3E                                                   145
     -1
161090KEYWORTH    KW128                12.5     5.0LY      LBLIDWORTH,NOTTS      1
       41756.07  457.85/ 354.24   8.1 0.6                    53.082   -1.136    2
  4 32 250 0.09  0.0  0.0 C A*D COALFIELD TYPE                                   3
CWF Z 04183.19         P 3                                                    40
CWF NS0418                                    5.1H0.21ML          0.25 200   40
CWF EW0418                8.16        S 2     4.1H0.11ML          0.25 200   40
KWE Z 04184.50         P 3                                                    48
KBI Z 04181.90         P 2                                                    33
     -1
161090 E ANGLIA                     12.5       5.0G FORD  SOUTHERN NORTH SEA     1
       231815.37  676.33  367.99   9.7 1.8                    53.137    2.132    2
  8 57 318 0.11  2.2  2.7 C B*D                                                 3
AWI Z 231824.76        P 2EU32.24        S 3  13.2H0.16ML          1.0  200   57
ABA Z 231827.09        P 1E 35.47        S 2   9.4H0.14ML          1.0  200   72
AWH Z 231830.89        P 2E 43.08        S 3   4.4H0.14ML          1.0  200   98
APA Z 231831.94        P 1EU43.98        S 3  12.4H0.19ML          0.25 200  103
     -1
171090KEYWORTH    KW128                12.5     5.0LY      LMATLOCK,DERBYSHIRE   1
       103418.19  438.14/ 357.35   7.6 0.8                    53.112   -1.430    2
  4 17 191 0.00  0.0  0.0 C A*D COALFIELD TYPE,EAST OF    MATLOCK                3
CWF Z 103425.60        P 2  31.00        S 3                                    42
CWF NS1034                                    7.0H0.11ML          0.25 200   42
CWF EW1034                                    8.4H0.18ML          0.25 200   42
KWE Z 103423.60        P 3                                                    30
KBI Z 103421.70        P 3                                                    17
     -1
171090KEYWORTH    KW129                12.5     5.0LY      LSHEFFIELD,S YORKSHIRE 1
       16 033.14  413.97/ 386.31   8.4 1.1                    53.373   -1.790    2
  5 22 302 0.02  0.7  6.0 D C*D WEST OF SHEFFIELD                               3
KWE Z 160040.15        P 2  45.30        S 3                                    40
KBI Z 160037.40        P 2  40.45        S 3                                    22
CWF Z 160046.05        P 3                                                    78
CWF NS1600                                    6.5H0.13ML          0.25 200   78
CWF EW1600                59.50       S 4     6.0H0.13ML          0.25 200   78
     -1
191090HEREFORD+                                5.0RITCHIELHENGOED,MID GLAMORGAN 1
        94622.39  312.74/ 198.41   0.0 1.3          2+   51.677   -3.262    2
 11 32 130 0.16  0.7  1.8 C B*C FELT HENGOED                                    3
MCH Z 094629.53        P 1IU34.97        S 1                                    40
MCH NS0946                                   5.5 H0.21ML          1.0  200   40
MCH EW0946                                   2.5 H0.30ML          1.0  200   40
HAE Z 094633.70        P 2E 42.15        S 3                                    64
HCG Z 094635.67        P 2E                                                   77
HGH Z 094628.09        P 1IU32.71        S 2                                    32
HTR Z 094630.40        P 1IU36.36        S 2                                    45
HTL Z 094642.11        P 3E                                                  114
HSA Z 094633.10        P 3E                                                   62
     -1
191090GALLOWAY+  GL 049             12.5      5.0JAR     CARRICKFERGUS,ANTRIM  1
       1059 6.26  152.46/ 546.26   0.0 2.5          2+   54.750   -5.847    2
 13 41 147 0.30  1.1  1.5 C B*C SALT MINE SUBSIDENCE,FELT CARRICKFERGUS AREA   3
GCL Z 105913.99        P 3E                                                   41
GMM Z 105917.21        P 3E 24.19        S 3                                    57
GAL Z 105919.28        P 3E 28.40        S 3                                    74
GAL NS1059                                    3.4H1.11ML          1.0 200    74
GAL EW1059                                    5.5H1.34ML          1.0 200    74
GMK Z 105919.80        P 4E 30.63        S 4                                    68
GCD Z 105927.59        P 3E 42.33        S 3                                   123
GIM Z 105923.60        P 3E 36.90        S 3                                   103
LMI Z 1059             P 4                                                    175
LMI NS1059                                   13.4H0.93ML          0.25 200  175
LMI EW1059                                    7.5H1.60ML          0.25 200  175
ESK Z 105935.40        P 3E 56.10        S 3                                   181
ESK NS1059                                   15.0H0.61ML          0.25 200  181
ESK EW1059                                   12.4H1.02ML          0.25 200  181
ECK Z 105935.75        P 3E 56.45        S 3                                   181
     -1
191090JERSEY                                    5.0        LST AUBINS BAY,JERSEY 1
       144741.13  389.91/ -87.33   8.9 1.2                    49.114   -2.138    2
  7  9 315 0.06  1.1  1.3 C B*D SOUTH OF ST AUBINS BAY                          3
JLP Z 144744.27        P 1  46.63        S 1                                    15
JSA Z 144743.52        P 1  45.17        S 1                                     9
JVM Z 144744.02        P 1  45.95        S 1                                    13
JRS Z 144743.48        P 1                                                     9
     -1
211090KYLE                          12.5       5.0PCM     LKINTAIL,HIGHLAND     1
        62134.36  192.15/ 817.15   5.9 0.9                    57.198   -5.441    2
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  7  2 177 0.09  0.9  0.6 B A*C                                                3
KPL Z 062138.48       P 1IU                                                   20
KPL NS0621                 40.98       S 1I 08.0H0.18ML          01.0 200    20
KPL EW0621                              12.0H0.15ML          01.0 200         20
KAR Z 062141.44       P 2E 46.20       S 2E                                   39
KSB Z 062135.64       P 1ID36.36       S 3E                                    2
KAC Z 062140.66       P 2E 44.40       S 3E                                   35
     -1
211090 LOWNET    LN 723   1382     12.5       5.0DWR    LLASSWADE,LOTHIAN      1
       65314.08  330.51/ 666.01   6.0 0.5                55.882   -3.111     2
  6  7 207 0.05  0.8  1.2 C A*D COALFIELD TYPE                                 3
EDI Z 065315.93       P 1IU17.12       S 3E  6.6H0.25M          1.0  200     7
EDI NS0653               IU17.12       S  E  5.5H0.20ML         1.0  200     7
EDI EW0653               ED               E  5.6H0.28ML         1.0  200     7
EBL Z 065316.75       P 2E 18.89       S 3EU                                  13
EAU Z 065318.31       P 2EU21.39       S 3E                                   22
     -1
221090HEREFORD+  HF596               12.5     5.0LY     LBARGOED,GLAMORGAN     1
      172234.86  313.17/ 199.28   0.4 0.9                51.685   -3.256     2
  8 32 177 0.08  0.5  0.8 B A*C COALFIELD TYPE                                 3
MCH Z 172242.23       P 1ID47.82       S 2                                    39
MCH NS1722                                  11.5H0.19ML          0.25 200    39
MCH EW1722                                   5.9H0.15ML          0.25 200    39
HGH Z 172241.07       P 1IU45.58       S 2                                    32
HTR Z 172243.08       P 2 D49.15       S 3                                    44
HCG Z 172248.45       P 2 D                                                   76
HSA Z 172246.13       P 2                                                     63
HTL Z 172255.22       P 2  71.29       S 4                                   115
     -1
251090KYLE+                        12.5       5.0        LOCH LINNHE,HIGHLAND  1
       1 4 6.35  202.47/ 758.58   7.9 1.8                56.677   -5.225     2
 24 46 144 0.20  0.8  1.8 C B*C                                               3
KPL Z 010419.54       P 2E                                                    78
KPL NS0104                 28.56       S 3E 04.0H0.16ML          01.0 200    78
KPL EW0104                              04.5H0.15ML          01.0 200         78
KAR Z 010414.28       P 2E 20.01       S 3E                                   46
KSB Z 010416.56       P 1E 23.68       S 3E                                   61
KAC Z 010421.40       P 3E                                                    92
EAB Z 010419.04       P 2EU27.35       S 3E                      0.25 200     77
ELO Z 010421 92       P 2EU32.95       S 3E                                   96
EBH Z 010425.45       P 1IU38.81       S 2E                                  116
EDU Z 010428.77       P 3E                                                   137
EAU Z 010429.66       P 2EU                                                  144
EDI Z 010431.11       P 2E 48.39       S 2E 04.8HO.25M           0.25 200    152
EDI NS0104               E                E 09.5H0.19ML         0.25 200    152
EDI EW0104               E 48.39       S  EU08.1H0.30ML         0.25 200    152
EBL Z 010433.80       P 3E 53.03       S 3E                                   169
PMS Z 010422.44       P 0IU33.68       S 2                                     97
PCO Z 010423.29       P 1E 35.00       S 2                                    104
PGB Z 010423.97       P 1ED36.31       S 2                                    107
PGB NS0104                                  04.5H0.13ML          1.0  200    107
PGB EW0104                                  02.6H0.20ML          1.0  200    107
PCA Z 010426.28       P 2E 40.89       S 2                                    124
     -1
251090 LOWNET+   LN 724    248    12.5       5.0DWR/DG LCLACKMANNAN,CENTRAL    1
       12627.40  292.81/ 692.99   0.5 1.2                56.118   -3.724     2
 23 20  80 0.16  0.3  0.6 C B*C COALFIELD TYPE                                3
EBH Z 012631.51       P 1ID34.67       S 2EU                                  20
EAU Z 012634.09       P 2EU38.98       S 3E                                   35
EAB Z 012634.83       P 2EU40.20       S 2EU                                  39
EDI Z 012635.02       P 1ID40.49       S 2E 06.8H0.40M           0.25 200    40
EDI NS0126               EU40.49       S  E 04.0H0.80ML          0.25 200    40
EDI EW0126               ED               E 07.5H0.80ML          0.25 200    40
ELO Z 012635.22       P 3E 40.32       S 3E                                   39
PCO Z 012633.00       P 0IU37.19       S 2                                    27
PCA Z 012637.31       P 2E 45.20       S 2                                    57
PGB Z 012637.85       P 2E 45.78       S 1                                    58
PGB NS0126               E 45.78       S   06.9 0.24 ML          0.25 200    58
PGB EW0126               E                  04.0 0.23 ML          0.25 200    58
PMS Z 012640.35       P 3E 49.68       S 2                                    71
ESK Z 012644.18       P 3E 56.09       S 3                                    95
ESK NS0126                                   3.5H0.22ML          0.25 200    95
ESK EW0126                                   3.6H0.23ML          0.25 200    95
ECK Z 012646.72       P 3E 60.48       S 3                                   111
XSO Z 012647.38       P 3E 62.00       S 3                                   116
     -1
251090 LOWNET+   LN 724    249     12.5       5.0DWR    LLOCH LINNHE,HIGHLAND  1
       13558.80  210.15/ 753.15   1.0 0.9                56.632   -5.096     2
 16 68 296 0.35  8.1  5.8 D D*D                                               3
EAB Z 013610.81       P 2E 19.60       S 2E                                   68
ELO Z 013613.00       P 3E 23.70       S 3E                                   87
EBH Z 013617.15       P 2E 29.85       S 3E                                  107
EAU Z 013621.28       P 2E                                                   134
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EDI Z 013622.71        P 3E 39.70        S 3E 01.3H0.11M          0.25 200  142
EDI NS0136               E                  E 01.6H0.11ML         0.25 200  142
EDI EW0136               E 39.70         S  E 01.5H0.15ML         0.25 200  142
PMS Z 013613.60        P 3E 25.34        S 3                                 90
PCO Z 013615.12        P 2ED26.76        S 3                                 95
PGB Z 013615.65        P 3E 27.95        S 3                                 99
PGB NS0136                                   04.0H0.11ML          0.25 200   99
PGB EW0136                                   02.1H0.10ML          0.25 200   99
PCA Z 013618.05        P 3E                                                 116
      -1
251090 LOWNET+   LN 724    295     12.5       5.0DWR    LLOCH LINNHE,HIGHLAND  1
        44633.17  207.88/ 751.80   1.0 0.8                56.619   -5.132    2
 12 68 308 0.45 11.4  8.0 D D*D                                               3
EAB Z 044645.20        P 2E 53.32        S 2E                                69
EBH Z 044651.21        P 2E 64.99        S 3E                               108
EAU Z 044654.79        P 3E                                                 135
EDI Z 044655.96        P 4E 74.48          3E 01.2 0.11M                    143
EDI Z 0446               E 74.48         S  E 01.7H0.15ML         0.25 200  143
EDI EW0446               E                  E 01.3H0.18ML         0.25 200  143
PMS Z 044648.80        P 2E 59.47        S 3                                 89
PGB Z 044650.08        P 3E 62.82        S 3                                 99
PGB NS0446                                   02.1 0.09 ML          0.25 200   99
PGB EW0446                                   01.5 0.11 ML          0.25 200   99
PCA Z 044652.01        P 3E                                                 116
      -1
251090HEREFORD   HF596                        5.0WRIGHT LBRIDGEND,MID GLAMORGAN1
       1428 6.56  298.58/ 188.70   1.8 1.3                51.588   -3.464    2
  7 46 291 0.22  6.8  5.2 D D*D                                               3
MCH Z 142816.72        P 2ED24.11        S 2                                 56
MCH NS1428                                   5.5H0.10ML            1.0  200   56
MCH EW                                       4.0H0.09ML            1.0  200   56
HAE Z 142820.29        P 3E                                                 81
HGH Z 142815.08        P 3E 20.75        S 3                                 46
HTR Z 142816.43        P 2E 23.68        S 3                                 56
      -1
261090KEYWORTH                              5.0FW     LMATLOCK,DERBYSHIRE     1
        84740.08  420.21/ 355.84   0.0 0.7            2+   53.099   -1.698    2
  5 13 167 0.13  0.0  0.0 C A*D COALFIELD TYPE,FELT AT    DINNINGTON COLLIERY  3
CWF Z 084749.12        P 4  55.80        S 3                                 48
CWF NS0847                                   4.5 H0.17ML           0.25 200   48
CWF EW0847                                   4.1 H0.15ML           0.25 200   48
KWE Z 084743.10        P 2E 45.70        S 2                                 13
KBI Z 084744.38        P 2E 47.90        S 2                                 21
      -1
261090 LOWNET    LN 724    732     12.5       5.0DWR    LBLAIRHALL,FIFE         1
       1132 2.70  298.13/ 691.53   0.4 0.8                56.106   -3.638    2
  7 18 132 0.12  0.6  0.9 B A*C COALFIELD TYPE,MAGNITUDE  FROM VERTICALS       3
EBH Z 113206.41        P 1IU09.53        S 2E 08.8H0.60ML      1.0  200   18
EAU Z 113208.85        P 2E                                                 31
ELO Z 113210.31        P 3E 16.28        S 2E 12.0H0.04ML      0.25 200   41
EAB Z 113211.40        P 3E 17.26        S 3E 02.5H0.35ML      0.25 200   45
      -1
271090KEYWORTH+                             5.0RITCHIELOLLERTON,NOTTS          1
        33652.56  467.12/ 364.44   1.7 1.5            2+   53.173   -0.996    2
  8 36 156 0.16  1.1  1.3 C B*C COALFIELD TYPE,FELT       EDWINSTOWE            3
CWF Z 033661.99        P 2E 69.06        S 2                                 53
CWF NS0336                                   11.5H0.30ML           0.25 200   53
CWF EW0336                                   10.5H0.32ML           0.25 200   53
KSY Z 033659.29        P 3E                                                 36
KBI Z 033659.40        P 2E                                                 37
HPK Z 033708.65        P 3E 20.70        S 3                                 97
LBO Z 033716.15        P 3E                                                137
LLO Z 033714.35        P 2E                                                128
LLY Z 033716.72        P 3E                                                144
      -1
291090 LOWNET    LN 724   1691     12.5       5.0DWR    LROSEWELL,LOTHIAN       1
        65122.50  325.74/ 662.60   1.5-0.3                55.851   -3.186    2
  7  8 134 0.13  1.0  1.7 B B*B COALFIELD TYPE                                 3
EDI Z 065124.45        P 1IU25.89        S 2E 05.5H0.22M       0.25 200    8
EDI NS065124.45           EU25.89        S  EU04.8H0.20ML      0.25 200    8
EDI EW0651                ED                E 02.8H0.25ML      0.25 200    8
EBL Z 065125.05        P 3E 27.20        S 3E                                12
EAU Z 065125.61        P 2EU29.03        S 3E                                17
EBH Z 065131.29        P 3E                                                 49
      -1
301090N WALES                               5.0RITCHIELLLEYN,GWYNEDD          1
        44559.43  239.64/ 344.22  23.2 0.5                52.971   -4.388    2
 15  3  83 0.08  0.3  0.5 A A*A AFTERSHOCK                                    3
WLC Z 04467.0          P 3E 12.25        S 2E                                41
WLC NS0446                                   5.5 H0.15ML           0.25 200   41
WLC EW0446                                   5.6 H0.08ML           0.25 200   41
YRH Z 04464.58         P 1IU08.19        S 1                                 22
WBR Z 04466.34         P 2E 10.90        S 2                                 36
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WFB Z 04467.03        P 2E 11.76       S 3                                    40
YRE Z 04463.20        P 3E 05.85       S 2                                     3
WPM Z 04467.75        P 2E                                                    46
WLF Z 04466.28        P 2E 11.00       S 2                                    35
YLL Z 04464.60        P 2E 08.40       S 2                                    24
     -1
301090 LOWNET+   LN 724             12.5      5.0DWR    LISLAY,STRATHCLYDE      1
       101743.93  116.86/ 634.09   0.9 1.5                 55.518   -6.486     2
 10 54 266 0.26  4.8  3.3 D C*D OFFSHORE LOCATION,10KM   SOUTHWEST OF ISLAY     3
EAB Z 101809.09       P 3E 27.79       S 3E 02.0H0.17M          0.25 200  154
PMS Z 101803.32       P 2ED17.20       S 3                                    116
PGB Z 101805.69       P 3E 21.08       S 3                                    129
PGB NS1018                                  11.6H0.16ML          0.25 200  129
PGB EW1018                                   7.5H0.17ML          0.25 200  129
GMK Z 101754.71       P 3E                                                    59
GCL Z 101753.60       P 3E                                                    55
GAL Z 101806.20       P 2E 23.10       S 3                                    134
GAL NS1018                                   4.7H0.08ML          0.25 200  134
GAL EW1018                                   9.5H0.11ML          0.25 200  134
     -1
301090 LOWNET    LN 724 2143       12.5       5.0DWR    LROSEWELL,LOTHIAN       1
       143527.35  329.17/ 663.52   0.6 1.2                 55.860   -3.132     2
 10  8 115 0.06  0.3  0.3 B A*B COALFIELD TYPE                                  3
EDI Z 143529.32       P 0IU30.81       S 2ED08.5H0.60M          2.5  200    8
EDI NS1435               IU               E 06.8H0.50ML       2.5  200    8
EDI EW1435               ID               EU06.3H0.40ML       2.5  200    8
EBL Z 143530.02       P 0ID32.13       S 2EU                                  11
EAU Z 143531.52       P 2EU34.75       S 2EU                                  20
ESY Z 143533.81       P 3E 37.45       S 3E                                   33
EBH Z 143536.51       P  EU43.21       S 3E                                   49
     -1
311090 LOWNET    LN 724   2326     12.5       5.0DWR    LCLACKMANNAN,CENTRAL    1
        335 9.61  292.28/ 692.60   2.0 0.7                 56.116   -3.732     2
  6 20 132 0.14  0.8  1.4 B A*C COALFIELD TYPE,MAGNITUDE  FROM VERTICALS       3
EBH Z 033513.49       P 3E 16.60       S 2E 06.3H1.00ML         0.25 200   20
EAU Z 033516.21       P 2E 20.45       S 3E                                   35
EAB Z 033516.80       P 3E 21.80       S 3E                                   39
     -1
011190LANCS+     LA 068            12.5       5.0JAR    LGRIMETHORPE,S YORKS    1
        74611.12  443.89/ 410.10   1.0 1.8            2+   53.585   -1.337     2
 11 45 203 0.46  4.8  3.8 D C*D FELT GRIMETHORPE,COALF'LD TYPE,MULTIPLE EVENT  3
LLO Z 0746              36.78       S 3                                    86
LBO Z 074626.26       P 3E 38.16       S 3                                    93
LKL Z 074627.24       P 3E                                                   106
LCK Z 074634.10       P 3E 49.83       S 3                                    133
LMI Z 074636.29       P 3E 53.17       S 3                                    148
LMI NS0746                                   3.7H0.23ML          0.25 200  148
LMI EW0746                                   6.4H0.28ML          0.25 200  148
CWF Z 0746              38.98       S 3                                     94
CWF NS0746                                   3.7H0.18ML           1.0 200   94
CWF EW0746                                   5.4H0.14ML           1.0 200   94
HPK Z 074618.73       P 3  25.41       S 3                                    45
     -1
021190 ESK       ES 499       12.5            5.0DG     LCHEVIOT HILLS,BORDERS 1
       104843.27  376.64/ 609.59   2.7 0.6                 55.380   -2.369     2
  6 15 215 0.04  1.8  3.5 C B*D AFTERSHOCK @ 10:50 GMT                          3
XSO Z 104846.24       P 0IU48.31       S 2                                    15
ECK Z 104852.60       P 2ED59.53       S 2                                    53
ESK Z 104852.72       P 2E 59.71       S 2                                    54
ESK NS1048               E                   6.5H0.08ML          0.25 200   54
ESK EW1048               E                   2.1H0.11ML          0.25 200   54
     -1
021190 LOWNET+   LN 725    770      12.5       5.0DWR    LCHEVIOT HILLS,BORDERS 1
       134542.04  376.71/ 609.97   3.1 0.9                 55.383   -2.368     2
 11 14 139 0.10  0.7  2.3 C B*C                                                3
ESY Z 134552.85       P 2E 59.35       S 3E                     0.25 200   62
EBL Z 134553.21       P 3E 60.10       S 3E                                   61
EDI Z 134556.48       P 4E 66.00       S 3E  3.2H0.18M          0.25 200   79
EDI NS1345               E                E  5.0H0.12ML        0.25 200   79
EDI EW1345               E                E  3.5H0.10ML        0.25 200   79
XSO Z 134544.90       P 0ID47.00       S 1                                    14
ECK Z 134551.41       P 1IU58.20       S 2                                    53
ESK Z 134551.59       P 1EU58.39       S 2                                    54
ESK NS1345                                  10.4H0.08ML          0.25 200   54
ESK EW1345                                   6.1H0.08ML          0.25 200   54
XAL Z 134552.32       P 2ED                                                  59
     -1
021190 LOWNET+   LN 225    842      12.5       5.0DWR    LCHEVIOT HILLS,BORDERS 1
       184743.06  377.05/ 610.34   4.3 0.8                 55.386   -2.362     2
 12 14 140 0.14  1.0  2.5 C B*C AFTERSHOCKS @ 19:16 AND   19:18 GMT            3
ESY Z 184753.05       P 3E 61.31       S 3E                     0.25 200   61
EBL Z 184753.70       P 3E 62.48       S 3E                                   61
EDI Z 184757.03       P 3E 67.90       S 3E  2.0H0.12M          0.25 200   79
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EDI NS1847              E               E  3.5H0.10ML          0.25 200   79
EDI EW1847              E               E  2.4H0.10ML          0.25 200   79
XSO Z 184745.88       P 1ID47.89      S 1                                  14
ECK Z 184752.34       P 1EU59.03      S 3                                  54
ESK Z 184752.60       P 2E 59.39      S 2                                  54
ESK NS1847              E                  14.2H0.08ML          0.25 200   54
ESK EW1847              E                   4.4H0.10ML          0.25 200   54
XAL Z 184753.33       P 1IU                                                59
     -1
021190 ESK       ES 499       12.5            5.0DG     LCHEVIOT HILLS,BORDERS 1
       192756.38  377.03/ 610.17   3.9 0.2                 55.385   -2.363    2
  7 14 140 0.04  0.8  2.3 C B*C                                              3
XSO Z 192759.24       P 1ID61.25      S 1                                  14
ECK Z 192805.68       P 3E 12.61      S 3                                  54
ESK Z 192805.80       P 3E 12.80      S 2                                  54
ESK NS1928              E                   3.4H0.08ML          0.25 200   54
ESK EW1928              E                   1.2H0.07ML          0.25 200   54
XAL Z 192806.64       P 3E                                                 59
     -1
021190 ESK       ES 499       12.5            5.0DG     LCHEVIOT HILLS,BORDERS 1
       1930 5.43  376.96/ 610.30   3.9 0.7                 55.386   -2.364    2
  7 14 140 0.04  0.8  2.4 C B*C                                              3
XSO Z 193008.25       P 1IU10.30      S 2                                  14
ECK Z 193014.74       P 3E 21.61      S 3                                  54
ESK Z 193014.99       P 3E 21.79      S 2                                  54
ESK NS1930              E                  10.0H0.08ML          0.25 200   54
ESK EW1930              E                   3.3H0.08ML          0.25 200   54
XAL Z 193015.70       P 2E                                                 59
     -1
021190 ESK       ES 499           12.5        5.0DG     LCHEVIOT HILLS,BORDERS 1
       203723.81  376.74/ 610.14   2.9 0.3                 55.385   -2.367    2
  6 14 213 0.04  1.3  2.5 C B*D AFTERSHOCKS @ 20:38,20:39 20:40 & 20:42 GMT    3
XSO Z 203726.69       P 1IU28.71      S 2                                  14
ECK Z 203733.20       P 2E 40.09      S 3                                  53
ESK Z 203733.30       P 3E 40.28      S 3                                  54
ESK NS2037              E                   3.0H0.09ML          0.25 200   54
ESK EW2037              E                   1.7H0.08ML          0.25 200   54
     -1
021190 ESK       ES 499           12.5        5.0DG     LCHEVIOT HILLS,BORDERS 1
       231730.93  377.93/ 611.16   6.8 0.5                 55.394   -2.348    2
  7 13 143 0.06  3.0  6.1 C C*C AFTERSHOCKS @ 00:05 AND   06:31 GMT ON 3/11/90 3
XSO Z 231733.68       P 1ID35.65      S 2                                  13
ECK Z 231740.32       P 2E 47.02      S 3                                  55
ESK Z 231740.51       P 2E 47.16      S 2                                  55
ESK NS2317              E                   5.6H0.08ML          0.25 200   55
ESK EW2317              E                   2.5H0.08ML          0.25 200   55
XAL Z 231741.10       P 3E                                                 60
     -1
031190 LOWNET+   LN 725   1126      12.5      5.0DWR/DG LSUNDERLAND,TYNE & WEAR1
        2 639.06  449.57/ 553.94   2.4 1.9                 54.878   -1.227    2
 16 63 306 0.40  6.7  4.7 D D*D OFFSHORE,COALFIELD TYPE                       3
ESY Z 020702.85       P 2ED19.87      S 2EU                0.25 200  145
EBL Z 020703.78       P 2E 22.08      S 2ED                               153
EDI Z 020706.79       P 2E 26.58      S 2E  3.1H0.68M      0.25 200  170
EDI NS0207              E                EU 4.8H0.52ML     0.25 200  170
EDI EW0207              E                E  4.1H0.55ML     0.25 200  170
EAU Z 020707.87       P 2E 27.67      S 3E                                178
XAL Z 020649.90       P 2ED58.30      S 3                                  63
XSO Z 020654.39       P 1EU65.58      S 1                                  95
ECK Z 020659.36       P 2E 75.10      S 2                                 126
ESK Z 020701.13       P 1EU17.52      S 2                                 135
ESK NS0207              E                   7.1H0.18ML          0.25 200  135
ESK EW0207              E                   6.6H0.20ML          0.25 200  135
     -1
031190KEYWORTH+  KW131              12.5     5.0LY     LOLLERTON,NOTTS        1
        31138.13  467.45/ 362.47   0.5 1.7                 53.155   -0.991    2
 15 34 153 0.32  1.1  1.9 C C*C COALFIELD TYPE                               3
CWF Z 031147.60       P 2  54.62      S 2                                  51
CWF NS0311                              3.5H0.17ML          1.0 200   51
CWF EW0311                              3.5H0.10ML          1.0 200   51
KSY Z 031144.69       P 2                                                  34
KWE Z 031148.70       P 2                                                  59
KBI Z 031144.65       P 2                                                  38
KUF Z 031151.12       P 2                                                  72
AWH Z 031163.00       P 4  79.45      S 4                                  59
ABA Z 031181.52       P 4                                                  32
HPK Z 031154.40       P 3  67.95      S 3                                  99
HPK NS0311                             15.3H0.17ML          1.0 200   99
HPK EW0311                              9.6H0.18ML          1.0 200   99
LMI Z 031210.00       P 3  33.52      S 2                                 194
LCK Z 031208.29       P 3E                                                183
LBO Z 031202.02       P 2ID17.70      S 3                                 139
LLO Z 031200.01       P 2  14.50      S 3                                 130
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LLY Z 031202.91       P 3  21.29       S 3                                  146
     -1
041190 CORNWALL                                  5.0 FORD  LCONSTANTINE,CORNWALL  1
       1 552.17  172.97/  28.08   6.9-0.2                  50.109   -5.176     2
 10  3 161 0.03  0.3  0.3 B A*C                                                 3
CR2 Z 010553.86       P 1EU55.10       S 1                                    7
CR2 NS0105                                    6.6H0.03ML          1.0  200     7
CR2 EW0105                                    6.4H0.05ML          1.0  200     7
CGH Z 0105                55.07       S 1                                    7
CCO Z 010553.53       P 1ED54.57       S 1                                    3
CCA Z 0105                55.69       S 1                                    9
CST Z 010554.25       P 1IU55.78       S 1                                   10
CBW Z 010553.80       P 1IU55.01       S 1                                    6
     -1
041190 CORNWALL                               5.0G FORD LCONSTANTINE,CORNWALL  1
       11936.68  172.80/  27.99   6.8 0.0                  50.108   -5.178     2
 15  3 166 0.04  0.3  0.3 B A*C                                                3
CR2 Z 011938.33       P 1IU39.59       S 1                                    7
CR2 NS0119                                   10.7H0.03ML          1.0  200     7
CR2 EW0119                                    8.6H0.05ML          1.0  200     7
CGH Z 0119                39.54       S 1                                    6
CCO Z 011938.04       P 1IU39.03       S 1                                    3
CCA Z 0119                40.18       S 1                                    9
CST Z 011938.74       P 1IU40.27       S 1                                   10
CBW Z 011938.29       P 1IU39.50       S 1                                    6
CTR Z 011938.32       P 1EU39.63       S 1                                    7
CRA Z 011938.40       P 1ID39.62       S 1                                    6
CME Z 0119                39.83       S 1                                    8
     -1
041190 CORNWALL                               5.0G FORD LCONSTANTINE,CORNWALL  1
       11941.81  172.94/  27.99   7.0 0.2                  50.108   -5.176     2
 17  3 162 0.04  0.2  0.2 B A*C                                                3
CR2 Z 011943.51       P 1IU44.75       S 1                                    7
CR2 NS0119                                   11.6H0.03ML          2.5  200     7
CR2 EW0119                                   11.9H0.05ML          2.5  200     7
CGH Z 011943.44       P 1IU44.72       S 1                                    6
CCO Z 011943.21       P 1ID44.24       S 1                                    3
CCA Z 011943.88       P 1IU45.35       S 1                                   10
CST Z 011943.94       P 1IU45.46       S 1                                   10
CBW Z 011943.47       P 1IU44.68       S 1                                    6
CTR Z 011943.48       P 1IU44.83       S 1                                    7
CTR NS0119                                   10.4H0.04ML          1.0  200     7
CTR EW0119                                   17.0H0.04ML          1.0  200     7
CRA Z 011943.48       P 2EU44.80       S 1                                    6
CRA NS0119                                   11.5H0.03ML          1.0  200     6
CRA EW0119                                   18.6H0.03ML          1.0  200     6
CME Z 0119                44.99       S 1                                    8
     -1
041190 CORNWALL                               5.0G FORD LCONSTANTINE,CORNWALL  1
       13151.55  172.36/  28.07   7.2-0.5                  50.108   -5.184     2
  8  3 172 0.04  0.3  0.5 B A*C                                                3
CR2 Z 013153.32       P 1ID54.61       S 1                                    7
CR2 NS0131                                   12.4H0.03ML          0.25 200     7
CR2 EW0131                                   11.5H0.05ML          0.25 200     7
CGH Z 0131                54.53       S 1                                    7
CCO Z 0131                54.03       S 1                                    3
CCA Z 0131                55.12       S 1                                    9
CST Z 0131                55.26       S 1                                   10
CBW Z 013153.27       P 1EU54.50       S 1                                    7
     -1
041190 CORNWALL                               5.0G FORD LCONSTANTINE,CORNWALL  1
       13154.40  172.82/  28.11   6.8 0.0                  50.109   -5.178     2
 10  3 164 0.05  0.4  0.5 B A*C                                                3
CR2 Z 013156.07       P 1IU57.33       S 1                                    7
CR2 NS0131                                   10.2H0.04ML          1.0  200     7
CR2 EW0131                                    9.7H0.05ML          1.0  200     7
CGH Z 0131                57.29       S 1                                    7
CCO Z 013155.80       P 1ED56.78       S 1                                    3
CCA Z 0131                57.85       S 1                                    9
CST Z 013156.47       P 1IU58.00       S 1                                   10
CBW Z 013156.02       P 1IU57.24       S 1                                    6
     -1
041190 CORNWALL                               5.0G FORD LCONSTANTINE,CORNWALL  1
       144 7.72  173.31/  27.90   6.7-0.5                  50.107   -5.171     2
 12  4 154 0.02  0.2  0.1 B A*C                                                3
CR2 Z 014409.38       P 1ID10.61       S 1                                    7
CGH Z 0144                10.55       S 1                                    6
CCO Z 014409.06       P 1EU10.08       S 1                                    4
CST Z 014409.77       P 2E 11.30       S 1                                   10
CBW Z 014409.32       P 1EU10.54       S 1                                    6
CR2 NS0144                                    6.9H0.03ML          1.0  200     7
CR2 EW0144                                    5.9H0.05ML          1.0  200     7
CTR Z 0144            P 2E 10.62       S 1                                    7
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CTR NS0144                                          6.9H0.04ML          0.25 200    7
CTR EW0144                                         14.2H0.04ML          0.25 200    7
CRA Z 014409.37       P 1ED10.60       S 1                                         7
CRA NS0144                                          9.0H0.04ML          0.25 200    7
CRA EW0144                                          5.4H0.03ML          1.0  200    7
     -1
041190 CORNWALL                                     5.0G FORD LCONSTANTINE,CORNWALL  1
       145 0.08  172.62/  27.98   7.0-0.3                  50.108   -5.180          2
 13  3 169 0.03  0.3  0.3 B A*C                                                     3
CR2 Z 014501.82       P 1EU03.05       S 1                                         7
CR2 NS0145                                          6.3H0.03ML          1.0  200    7
CR2 EW0145                                          8.1H0.05ML          1.0  200    7
CGH Z 0145                 03.00       S 1                                         6
CCO Z 0145                 02.50       S 1                                         3
CCA Z 0145                 03.64       S 1                                         9
CST Z 014502.19       P 1EU03.76       S 1                                        10
CBW Z 014501.75       P 1ED02.96       S 1                                         7
CTR Z 014501.81       P 1ED03.08       S 1                                         7
CTR NS0145                                         11.5H0.04ML          0.25 200    7
CTR EW0145                                         17.2H0.04ML          0.25 200    7
CRA Z 014501.80       P 1ED03.05       S 1                                         6
     -1
041190 CORNWALL                                     5.0G FORD LCONSTANTINE,CORNWALL  1
       14654.38  173.29/  27.92   6.9-0.5                  50.107   -5.171          2
  8  4 154 0.02  0.3  0.3 B A*C                                                     3
CR2 Z 014656.06       P 1EU57.28       S 1                                         7
CR2 NS0146                                          3.5H0.03ML          1.0  200    7
CR2 EW0146                                          4.4H0.04ML          1.0  200    7
CGH Z 0146                 57.25       S 1                                         6
CCO Z 0146                 56.79       S 1                                         4
CST Z 014656.49       P 1ED58.00       S 1                                        10
CBW Z 014656.00       P 1EU57.25       S 1                                         6
     -1
041190CORNWALL                                      5.0G FORD LCONSTANTINE,CORNWALL  1
       14743.41  173.04/  27.95   6.8 0.2                  50.108   -5.175          2
 17  3 160 0.03  0.2  0.2 B A*C                                                     3
CR2 Z 014745.11       P 0IU46.35       S 1                                         7
CR2 NS0147                                         10.1H0.03ML          2.5  200    7
CR2 EW0147                                         11.6H0.04ML          2.5  200    7
CGH Z 014745.02       P 0IU46.28       S 1                                         6
CCO Z 014744.78       P 0ID45.81       S 1                                         4
CCA Z 014745.45       P 1ID46.96       S 1                                        10
CST Z 014745.51       P 0IU47.05       S 1                                        10
CBW Z 014745.05       P 0IU46.20       S 1                                         6
CTR Z 014745.08       P 0IU46.36       S 1                                         7
CTR NS0147                                          9.9H0.04ML          1.0  200    7
CTR EW0147                                         16.0H0.04ML          1.0  200    7
CRA Z 014745.11       P 0ID46.35       S 1                                         7
CRA NS0147                                          8.4H0.05ML          1.0  200    7
CRA EW0147                                         17.7H0.03ML          1.0  200    7
CME Z 0147                 46.58       S 1                                         8
     -1
041190 CORNWALL                                     5.0G FORD LCONSTANTINE,CORNWALL  1
       15746.50  172.93/  27.94   6.7-0.3                  50.107   -5.176          2
 15  3 163 0.03  0.2  0.2 B A*C                                                     3
CR2 Z 015748.15       P 0IU49.41       S 1                                         7
CR2 NS0157                                         10.5H0.03ML          1.0  200    7
CR2 EW0157                                          9.1H0.04ML          1.0  200    7
CGH Z 0157                 49.33       S 1                                         6
CCO Z 015747.86       P 1EU48.86       S 1                                         4
CCA Z 0157                 50.02       S 1                                        10
CST Z 015748.56       P 0IU50.09       S 1                                        10
CBW Z 015748.09       P 0IU49.33       S 1                                         6
CTR Z 015748.15       P 1EU49.43       S 1                                         7
CTR NS0157                                         10.9H0.03ML          0.25 200    7
CTR EW0157                                         21.9H0.04ML          0.25 200    7
CRA Z 015748.18       P 0ID49.40       S 1                                         7
CME Z 0157                 49.65       S 1                                         8
     -1
041190 CORNWALL                                     5.0G FORD LCONSTANTINE,CORNWALL  1
       15749.99  172.78/  27.97   7.0 0.3                  50.108   -5.178          2
 16  3 166 0.04  0.3  0.2 B A*C                                                     3
CR2 Z 015751.72       P 0IU52.97       S 1                                         7
CR2 NS0157                                         14.9H0.03ML          2.5  200    7
CR2 EW0157                                         13.1H0.05ML          2.5  200    7
CGH Z 0157                 52.90       S 1                                         6
CCO Z 015751.27       P 0ID52.44         1                                         3
CCA Z 015752.06       P 1ED53.56       S 1                                         9
CST Z 015752.08       P 0ID53.65       S 1                                        10
CBW Z 015751.66       P 0IU52.87       S 1                                         6
CTR Z 015751.68       P 1EU52.97       S 1                                         7
CTR NS0157                                          8.9H0.04ML          1.0  200    7
CTR EW0157                                         18.2H0.05ML          1.0  200    7
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CRA Z 015751.73        P 1ID52.93        S 1                                    6
CRA NS0157                                        11.4H0.04ML        1.0  200    6
CRA EW0157                                        10.0H0.03ML        2.5  200    6
CME Z 0157                  53.19        S 1                                    8
     -1
041190 CORNWALL                                    5.0G FORD LCONSTANTINE,CORNWALL  1
       21430.46  172.88/  28.02    7.1 0.0                 50.108    -5.177     2
  7  3 164 0.04  0.4  0.5 B A*C                                                  3
CR2 Z 021432.20        P 0ID33.41        S 1                                    7
CR2 NS0214                                         9.4H0.03ML        1.0  200    7
CR2 EW0214                                        10.6H0.05ML        1.0  200    7
CGH Z 0214                  33.38        S 1                                    6
CCO Z 0214                  32.93        S 1                                    3
CCA Z 0214                  34.03        S 1                                    9
CBW Z 021432.13        P 0ID33.34        S 1                                    6
     -1
041190 CORNWALL                                    5.0G FORD LCONSTANTINE,CORNWALL  1
       21428.02  172.92/  28.00    6.7 0.1                 50.108    -5.176     2
 15  3 163 0.03  0.2  0.2 B A*C                                                  3
CR2 Z 021429.66        P 0IU30.89        S 1                                    7
CR2 NS0214                                         8.6H0.03ML        2.5  200    7
CR2 EW0214                                         8.2H0.05ML        2.5  200    7
CGH Z 0214                  30.86        S 1                                    6
CCO Z 021429.36        P 0IU30.35        S 1                                    3
CCA Z 021430.03        P 1ED31.53        S 1                                   10
CST Z 0214                  31.59        S 1                                   10
CBW Z 021429.62        P 0IU30.85        S 1                                    6
CTR Z 021429.63        P 1ED30.92        S 1                                    7
CTR NS0214                                         5.5H0.03ML        1.0  200    7
CTR EW0214                                        12.5H0.04ML        1.0  200    7
CME Z 0214                  31.15        S 1                                    8
CRA Z 021429.66        P 0ID30.91        S 1                                    6
     -1
041190 CORNWALL                                    5.0G FORD LCONSTANTINE,CORNWALL  1
       3 6 9.52  173.37/  27.96    7.0-0.1                 50.108    -5.170     2
  9  4 152 0.02  0.2  0.2 B A*C                                                  3
CR2 Z 030611.19        P 0IU12.45        S 1                                    7
CR2 NS0306                                         8.4H0.04ML        1.0  200    7
CR2 EW0306                                         5.1H0.05ML        1.0  200    7
CGH Z 0306                  12.42        S 1                                    6
CCO Z 030610.90        P 1ID11.95        S 1                                    4
CST Z 030611.62        P 1ID13.15        S 1                                   10
CBW Z 030611.13        P 1EU12.37        S 1                                    6
     -1
041190 CORNWALL                                    5.0G FORD LCONSTANTINE,CORNWALL  1
       3 953.92  173.27/  28.03    7.0-0.3                 50.108    -5.171     2
  8  4 154 0.01  0.1  0.1 B A*C                                                  3
CR2 Z 030955.61        P 1EU56.86        S 1                                    7
CR2 NS0309                                         6.4H0.03ML        1.0  200    7
CR2 EW0309                                         4.6H0.05ML        1.0  200    7
CGH Z 0309                  56.85        S 1                                    6
CCO Z 0309                  56.35        S 1                                    4
CST Z 030956.01        P 1EU57.57        S 1                                   10
CBW Z 030955.55        P 0IU56.79        S 1                                    6
     -1
041190 CORNWALL                                    5.0G FORD LCONSTANTINE,CORNWALL  1
       31038.06  172.77/  28.05    6.9 0.1                 50.108    -5.178     2
 14  3 166 0.03  0.2  0.2 B A*C                                                  3
CR2 Z 031039.75        P 0IU41.00        S 1                                    7
CR2 NS0310                                        15.6H0.03ML        2.5  200    7
CR2 EW0310                                        11.0H0.05ML        2.5  200    7
CGH Z 0310                  40.98        S 1                                    7
CCO Z 031039.44        P 0ID40.47        S 1                                    3
CCA Z 031040.09        P 0ID41.58        S 1                                    9
CST Z 031040.15        P 0IU                                                    10
CBW Z 031039.70        P 0IU40.93        S 1                                    6
CTR Z 031039.72        P 0IU41.01        S 1                                    7
CTR NS0310                                         5.1H0.04ML        1.0  200    7
CTR EW0310                                        15.4H0.04ML        1.0  200    7
CRA Z 0310                  40.97        S 1                                    6
CRA NS0310                                         8.6H0.03ML        1.0  200    6
CRA EW0310                                        18.5H0.03ML        1.0  200    6
CME Z 0310                  41.24        S 1                                    8
     -1
041190 CORNWALL                                    5.0G FORD LCONSTANTINE,CORNWALL  1
       6 812.82  172.81/  28.05    6.9 0.0                 50.108    -5.178     2
 10  3 165 0.05  0.4  0.5 B A*C                                                  3
CR2 Z 060814.49          1EU15.74        S 1                                    7
CR2 NS0608                                        10.7H0.03ML        1.0  200    7
CR2 EW0608                                        10.6H0.04ML        1.0  200    7
CGH Z 0608                  15.70        S 1                                    7
CCO Z 060814.20        P 1EU15.24        S 1                                    3
CCA Z 0608                  16.32        S 1                                    9
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CST Z 060814.90        P 0IU16.45        S 1                                  10
CBW Z 060814.95        P 0IU15.68        S 1                                   6
     -1
041190 CORNWALL                                5.0G FORD LCONSTANTINE,CORNWALL  1
       65412.77  172.87/  28.04   6.8 0.0                 50.108   -5.177     2
 15  3 164 0.03  0.2  0.2 B A*C                                                 3
CR2 Z 065414.43        P 0IU15.67        S 1                                   7
CR2 NS0654                                  11.8H0.03ML          2.5  200     7
CR2 EW0654                                   9.0H0.05ML          2.5  200     7
CGH Z 0654                15.65        S 1                                   6
CCO Z 065414.12        P 0ED15.14        S 1                                   3
CCA Z 0654                16.29        S 1                                   9
CST Z 065414.84        P 0IU16.38        S 1                                  10
CBW Z 065414.38        P 0IU15.60        S 1                                   6
CTR Z 065414.42        P 1EU15.70        S 1                                   7
CTR NS0654                                   4.9H0.03ML          1.0  200     7
CTR EW0654                                  12.2H0.04ML          1.0  200     7
CRA Z 065414.44        P 1EU15.65        S 1                                   6
CRA NS0654                                   7.1H0.03ML          1.0  200     6
CRA EW0654                                  16.5H0.03ML          1.0  200     6
CME Z 0654                15.91        S 1                                   8
     -1
041190 CORNWALL                                5.0G FORD LCONSTANTINE,CORNWALL  1
       92554.15  172.87/  27.92   6.8 0.5                 50.107   -5.177     2
 17  3 165 0.04  0.2  0.2 B A*C                                                 3
CR2 Z 092555.85        P 0IU57.10        S 1                                   7
CR2 NS0925                                   3.3H0.03ML         10.0  200     7
CR2 EW0925                                   5.4H0.05ML         10.0  200     7
CGH Z 092555.76        P 0IU57.01        S 1                                   6
CCO Z 092555.53        P 0IU56.55        S 1                                   3
CCA Z 092556.19        P 0ID57.68        S 1                                  10
CST Z 092556.25        P 0IU57.76        S 1                                  10
CBW Z 092555.80        P 0IU56.99        S 1                                   6
CTR Z 092555.84        P 0IU57.11        S 1                                   7
CTR NS0925                                   7.0H0.04ML          2.5  200     7
CTR EW0925                                  11.4H0.04ML          2.5  200     7
CRA Z 092555.84        P 2EU57.10        S 1                                   7
CRA NS0925                                   7.5H0.05ML          2.5  200     7
CRA EW0925                                  12.7H0.04ML          2.5  200     7
CME Z 0925                57.32        S 1                                   8
     -1
041190 CORNWALL                                5.0G FORD LCONSTANTINE,CORNWALL  1
       92615.53  172.88/  27.91   6.9 0.3                 50.107   -5.177     2
 14  3 164 0.03  0.2  0.2 B A*C                                                 3
CR2 Z 092617.24        P 0IU18.51        S 1                                   7
CR2 NS0926                                   8.6H0.04ML          2.5  200     7
CR2 EW0926                                  11.8H0.05ML          2.5  200     7
CGH Z 092617.15        P 0EU18.42        S 1                                   6
CCO Z 092616.94        P 0ID17.95        S 1                                   4
CCA Z 0926                19.10        S 1                                  10
CST Z 092617.65        P 0IU19.22        S 1                                  10
CBW Z 092617.18        P 0IU18.40        S 1                                   6
CTR Z 092617.22        P 1IU18.50        S 1                                   7
CTR NS0926                                   9.4H0.04ML          1.0  200     7
CTR EW0926                                  15.1H0.04ML          1.0  200     7
CME Z 0926                18.74        S 1                                   8
     -1
041190 CORNWALL                                5.0G FORD LCONSTANTINE,CORNWALL  1
       93130.86  172.97/  27.98   6.9 0.6                 50.108   -5.176     2
 17  3 162 0.03  0.2  0.2 B A*C                                                 3
CR2 Z 093132.55        P 0IU33.76        S 1                                   7
CR2 NS0931                                   4.9H0.03ML         10.0  200     7
CR2 EW0931                                   6.2H0.05ML         10.0  200     7
CGH Z 093132.47        P 0IU33.75        S 1                                   6
CCO Z 093132.25        P 0ID33.25        S 1                                   3
CCA Z 093132.91        P 0ID34.39        S 1                                  10
CST Z 093132.98        P 0IU34.47        S 1                                  10
CBW Z 0931                33.72        S 1                                   6
CTR Z 093132.52        P 0IU33.81        S 1                                   7
CTR NS0931                                   9.8H0.05ML          2.5  200     7
CTR EW0931                                  14.1H0.05ML          2.5  200     7
CRA Z 093132.52        P 0IU33.80        S 1                                   6
CRA NS0931                                  10.5H0.04ML          2.5  200     6
CRA EW0931                                  14.7H0.04ML          2.5  200     6
CME Z 093132.67        P 1ED34.01        S 1                                   8
     -1
051190 CORNWALL                                5.0G FORD LCONSTANTINE,CORNWALL  1
       22147.23  172.94/  28.00   6.9 0.0                 50.108   -5.176     2
 12  3 162 0.04  0.3  0.3 B A*C                                                 3
CR2 Z 022148.92        P 0IU50.17        S 1                                   7
CR2 NS0221                                   9.4H0.03ML          1.0  200     7
CR2 EW0221                                  12.6H0.05ML          1.0  200     7
CGH Z 022148.83        P 1EU50.10        S 1                                   6
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CCO Z 022148.60        P 0ID49.65        S 1                                  3
CCA Z 022149.29        P 1ED50.75        S 1                                 10
CST Z 022149.32        P 0IU50.85        S 1                                 10
CBW Z 022148.88        P 0IU50.08        S 1                                  6
     -1
051190 PAISLEY   PA 337            12.5       5.0DG     LISLAY,STRATHCLYDE     1
       23830.52  150.37/ 644.68  10.0 1.0                 55.631   -5.966     2
  6 80 347 0.10 12.1222.4 D D*D OFFSHORE LOCATION                             3
PMS Z 023843.95        P 1ED53.55        S 3                                 81
PGB Z 023845.98        P 2ED57.60        S 3                                 96
PGB NS0238                                    4.4H0.11ML          0.25 200   96
PGB EW0238                                    4.5H0.11ML          0.25 200   96
PCA Z 023848.12        P 2E 60.95        S 3                                108
     -1
061190HEREFORD   HF598             12.5       5.0WRIGHT LBUXTON,DERBYSHIRE     1
      1343 9.71  413.72/ 375.39  16.2 1.8                 53.275   -1.794     2
  6106 313 0.02  2.3  2.1 C B*D                                              3
MCH Z 134334.65        P 3E 53.32        S 2                                164
MCH NS1343                                    9.0H0.20ML          0.25 200  164
MCH EW1343                                    9.0H0.12ML          0.25 200  164
SBD Z 134326.92        P 2ID39.31        S 3                                106
HAE Z 134332.93        P 2E 50.05        S 4                                147
HCG Z 1343                54.65        S 4                                164
HGH Z 134339.51        P 4IU                                                195
HTR Z 134335.40        P 3E 55.21        S 4                                166
     -1
071190 E ANGLIA                                5.0G FORD  SOUTHERN NORTH SEA     1
        7 815.76  737.13  310.26   0.8 1.6                 52.585    2.978     2
  5107 328 0.06  2.8149.7 D C*D                                              3
APA Z 070833.00        P 3E                6.0H0.12ML          0.25 200  107
AWI Z 070832.94        P 2E                                                 107
ABA Z 070836.57        P 2E                                                 128
AWH Z 070837.95        P 2E 54.10        S 3 10.4H0.20ML          0.25 200  137
     -1
091190 LOWNET    LN 726    732      12.5       5.0DWR    LBLAIRHALL,FIFE       1
       1151 5.92  295.53/ 691.82   0.2 1.0                 56.108   -3.680     2
  6 19 128 0.15  0.3  0.4 B A*C COALFIELD TYPE,MAGNITUDE  FROM VERTICALS       3
EBH Z 115109.90        P 1IU13.16        S 2ED 8.3H0.60ML          1.0 200   19
EAU Z 115112.23        P 2E 17.12        S 3E  5.0H0.42ML          0.25 200  33
EAB Z 115113.70        P 3E 20.00        S 3E  2.2H0.50ML          0.25 200  42
     -1
091190N WALES+                                 5.0RITCHIELLLYN COWLYD,GWYNEDD   1
       201324.24  270.30/ 360.74   9.7 1.2                 53.128   -3.939     2
 21 15 110 0.07  0.2  0.5 B A*B                                              3
WCB Z 201332.65        P 3E 37.88        S 2                                 49
WCB NS2013                                   4.5 H0.12ML          1.0  200   49
WCB EW2013                                   3.5 H0.11ML          1.0  200   49
YRC Z 201331.85        P 2E 37.20        S 1                                 45
YRE Z 201330.72        P 1IU                                                 37
WPM Z 201327.23        P 1ID                                                 15
WLF Z 201330.40        P 1IU34.62        S 2                                 36
WME Z 201330.75        P 2E                                                  39
YLL Z 201327.30        P 1IU29.32        S 1                                 16
SBD Z 201333.08        P 3E                                                  52
WLC Z 201327.70        P 1ID30.22        S 2                                 18
WLC NS2013                                   5.6 H0.07ML          10.0 200  18
WLC EW2013                                   4.5 H0.07ML          10.0 200  18
YRH Z 201334.00        P 2E                                                  57
WVR Z 201331.60        P 1ID                                                 43
WBR Z 201329.52        P 1ID33.20        S 1                                 31
WST Z 201327.58        P 1ID29.90        S 2                                 18
WFB Z 201332.70        P 2ID38.50        S 3                                 50
     -1
101190N WALES+                                 5.0RITCHIELLLYN COWLYD,GWYNEDD   1
        33357.30  270.41/ 360.91  11.1 1.0                 53.129   -3.937     2
 21 15 110 0.08  0.3  0.7 B A*B                                              3
WLC Z 03340.85         P 2E 3.41         S 2                                 18
WLC EW0334                                   12.6H0.08ML          2.5  200   18
WLC EW0334                                   10.5H0.07ML          2.5  200   18
YRH Z 03347.10         P 2E                                                  57
WVR Z 03344.73         P 2ED9.90         S 2                                 43
WBR Z 03342.70         P 1ID6.40         S 2                                 31
WST Z 03340.72         P 2E 3.22         S 3                                 18
WFB Z 03345.90         P 1ID11.68        S 2                                 50
WCB Z 03345.32         P 4E 11.38        S 2                                 49
WCB NS0334                                   11.5H0.14ML          0.25 200  49
WCB EW0334                                   9.0 H0.09ML          0.25 200  49
YRC Z 03344.95         P 3E 10.33        S 1                                 45
YRE Z 03343.90         P 1IU                                                 37
WPM Z 03340.40         P 3E                                                  15
WLF Z 03343.60         P 2EU7.78         S 2                                 36
WME Z 03343.90         P 3E                                                  39
YLL Z 03340.48         P 1IU                                                 16
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SBD Z 03346.55        P 3E 11.45       S 3                                  52
     -1
101190NORTH SEA                                  5.0BS      NORTHERN NORTH SEA    1
        644 7.48  619.05 1395.14  10.0 4.4                    62.049    2.192    2
 25234 248 0.41  3.6  4.0 D C*D                                                  3
LRW Z 064447.21        P 1IU76.51       S 3E                                280
SAN Z 064448.70        P 1IU79.10       S 3E                                293
WAL Z 064448.00        P 1IU77.60       S 3E                                286
YEL Z 064442.41        P 1ID                                                242
LRW Z 0644                                   04.0H01.0ML          0.25 4    280
KMY Z 064456.10        P 1I 91.60       S 3E                                358
HYA Z 064441.20        P 1I 66.50       S 3E                                234
BER Z 064443.10        P                                                    243
ODD1Z 064454.30        P 1E  88.10      S 3E                                331
ASK Z 064441.30        P 1E  66.40      S 3E                                230
EDR Z 064530.32        P 1  91.10       S 2                                 630
ELO Z 064539.25        P                                                    706
EDU Z 064536.22        P 1                                                  680
EBH Z 064541.50        P 1                                                  723
EAB Z 064544.80        P 1                                                  752
ESY Z 064542.91        P 1                                                  735
EDI Z 064544.49        P 1  116.93      S 2                                 748
EDI NS0645                                   18.0H0.37ML          0.25 200  748
EDI EW0645                                   11.5H0.50ML          0.25 200  748
     -1
121190KEYWORTH+  KW132             12.5       5.0WRIGHT LFARNSFIELD,NOTTS     1
       15332.93  463.78/ 357.13   2.5 0.6                 53.107   -1.047    2
 14 35 164 0.36  1.2  1.7 C C*C                                                 3
CWF Z 015341.29        P 2E 46.70       S 1IU                               45
CWF NS0153                                   05.5H0.10ML          0.25 200   45
CWF EW0153                                   06.0H0.12ML          0.25 200   45
KSY Z 015339.01        P 3E 43.88       S 3                                 35
KBI Z 015338.61        P 2E 43.62       S 3                                 36
KWE Z 015342.50        P 3E 48.93       S 3                                 54
LBO Z 015356.20        P 2E 72.39       S 3E                               140
LLO Z 015354.25        P 3E 70.12       S 3E                               130
SBD Z 0153                75.70         S 3                                150
MCH Z 0154                22.95         S 3                                181
     -1
121190N WALES+                                   5.0RITCHIELLAKE VRYNWY,POWYS    1
       51130.64  295.01/ 327.18  14.6 0.0                 52.832   -3.559    2
 11  5 152 0.06  0.4  0.4 B A*C                                                 3
WLC Z 051135.30        P 1ID38.40       S 2                                 24
WLC NS0511                                   10.6H0.04ML          0.25 200   24
WLC EW0511                                   16.0H0.06ML          0.25 200   24
YRH Z 051142.70        P 2E                                                 72
WVR Z 051133.27        P 2ED34.94       S 2                                  5
WBR Z 051135.10        P 1ID38.10       S 2                                 23
WFB Z 051137.03        P 3E 41.63       S 3                                 36
SBD Z 051134.95        P 1IU38.05       S 3                                 22
     -1
131190 LOWNET+   LN 726   2028      12.5       5.0DWR    LINVERARAY,STRATHCLYDE 1
       85413.82  219.31/ 702.05   2.6 1.2                 56.177   -4.911    2
 17 35 266 0.11  0.7  0.8 C A*D                                                 3
EAB Z 085420.39        P 1IU24.96       S 2EU                  0.25 200   36
EBH Z 085428.60        P 3E 38.79       S 3E                                88
EAU Z 085430.37        P 2E 42.22       S 3E                                98
EDI Z 085432.00        P 3E 45.43       S 2E                               111
EDI NS0854               E                EU 5.5H0.20ML          0.25 200  111
EDI EW0854               E                E  2.5H0.35ML          0.25 200  111
EDU Z 085434.02        P 3E 48.70       S 3E                               124
PMS Z 085420.73        P 0IU25.82       S 3                                 38
PGB Z 085422.61        P 1IU29.05       S 3                                 49
PGB NS0854                                    9.3H0.10ML          0.25 200   49
PGB EW0854                                    7.8H0.12ML          0.25 200   49
PCO Z 085423.70        P 1IU30.81       S 3                                 55
PCA Z 085425.34        P 2ED                                                67
     -1
141190SHROPSHIRE+                12.5       5.0WRIGHT LCHURCH STRETTON,SHROPS1
      185018.85  340.21/ 297.56  14.4 1.0                 52.572   -2.882    2
 19  4 152 0.08  0.3  0.3 B A*C                                                 3
SSP Z 185023.5         P 1IU26.62       S 1                                 23
SSP NS1850                                   12.0H0.10ML          1.0  100   23
SSP EW1850                                   12.0H0.09ML          1.0  100   23
SBC Z 185022.3         P 1IU24.50       S 1                                 13
SBC NS1850                                    8.5 H0.08ML          1.0  100   13
SBC EW1850                                    5.1 H0.09ML          1.0  100   13
SOB Z 185023.18        P 2E 26.20       S 2                                 21
SOB NS1850                                   10.0H0.09ML          1.0  100   21
SOB EW1850                                   11.0H0.09ML          1.0  100   21
MCH Z 185030.00        P 3E 37.57       S 2                                 64
MCH NS1850                                   15.0H0.11ML          0.25 200   64
MCH EW1850                                   10.0H0.09ML          0.25 200   64
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SBD Z 185026.80        P 1ID                                                  45
HAE Z 185029.75        P 2E                                                   64
HTR Z 185029.18        P 3E                                                   60
HLM Z 185021.40        P 1ID                                                   7
SGD Z 185022.80        P 1IU25.50        S 2                                  18
SBK Z 185021.35        P 1ID23.28        S 3                                   4
SWB Z 185023.41        P 2E                                                   22
SBH Z 185026.19        P 2E                                                   41
SST Z 185026.11        P 2E                                                   40
     -1
161190 LOWNET     LN 727    632      12.5      5.0DWR    LCLACKMANNAN,CENTRAL    1
       14642.50  292.77/ 693.60   0.3 0.5                 56.123   -3.725      2
  6 19 129 0.04  0.3  0.5 B A*C COALFIELD TYPE                                  3
EBH Z 014646.61        P 2EU49.80        S 3EU                0.25 200       19
EAU Z 014649.40        P 3E 54.51        S 4E                                   35
EDI Z 014650.18        P 2EU55.80        S 2E  1.8H0.12M      0.25 200       40
EDI NS0146               E                EU 2.8H0.19ML     0.25 200       40
EDI EW0146               E                ED 3.2H0.22ML     0.25 200       40
EAB Z 014650.25        P 4E 55.40        S 3E                                   39
     -1
191190 LOWNET+   LN 727   1692      12.5      5.0DWR    RCENTRAL NORTH SEA      1
        6 951.53  584.75  948.93   7.6 2.9                 58.390    1.161     2
 24324 168 0.27  3.5  1.8 D C*D                                                 3
EDU Z 061036.30        P 3E                                                  324
ESY Z 061040.18        P 3E 75.99        S 3E                                 358
EBH Z 061041.92        P 3E 79.00        S 3E                                 369
EDI Z 061043.00        P 3E 80.82        S 2E  4.7H0.28M      0.25 200       380
EDI NS0610               E                E  7.5H0.35ML     0.25 200       380
EDI EW0610               E                2EU 6.9H0.45ML    0.25 200       380
EAU Z 061040.55        P 4E                                                  398
EAB Z 061047.37        P 3E                                                  412
PCO Z 061048.06        P 1EU89.60        S 2                                  415
PCA Z 061051.59        P 2E 96.05        S 2                                  445
PGB Z 061051.81        P 1EU95.60        S 2                                  447
PGB NS0610                                   3.0H0.22ML     0.25 200       447
PGB EW0610                                   4.0H0.22ML     0.25 200       447
PMS Z 061052.97        P 2E 98.20        S 3                                  457
XSO Z 061044.20        P 3E 82.10        S 3                                  384
ESK Z 061050.45        P 4E 92.20        S 4                                  434
ESK NS0610                                   3.5H0.15ML     0.25 200       434
ESK EW0610                                   4.5H0.13ML     0.25 200       434
SUE Z 061040.70        P 1E 77.00        S 3E                                 360
HYA Z 061048.60        P 1E 90.10        S 3E                                 419
ASK Z 061037.00        P 1E 68.30        S 3E                                 327
     -1
191190HEREFORD   HF600                        5.0WRIGHT LMONMOUTH,GWENT       1
        92942.39  352.34/ 211.96   0.5 1.3                 51.804   -2.691     2
  8 20 182 0.44  0.9  1.2 D C*D                                                 3
MCH Z 092948.01        P 3E 53.11        S 3                                  30
MCH NS0929                                   7.3H0.40ML     1.0 200        30
MCH EW0929                                   4.8H0.29ML     1.0 200        30
HAE Z 092947.64        P 2E 52.50        S 2                                  28
HGH Z 092946.22        P 2E 50.46        S 3                                  20
HTR Z 092951.62        P 3E 58.62        S 2                                  50
     -1
201190LANCS      LA 070             12.5      5.0JAR    LWIGAN,W MANCHESTER     1
       14 613.40  357.08/ 407.66   0.6 1.7                 53.564   -2.648     2
  8 31 316 0.23 11.3  9.1 D D*D COALFIELD TYPE                                  3
LLO Z 140619.15        P 3E 24.01        S 3                                  32
LLY Z 1406                23.92        S 3                                  31
LBO Z 140622.27        P 3E 29.04        S 3                                  47
LKL Z 140626.68        P 3E 35.71        S 3                                  73
LCK Z 1406                40.27        S 3                                  90
LMI Z 1406                40.83        S 4                                  85
LMI NS1406                                   6.6H0.37ML     0.25 200       85
LMI EW1406                                   8.7H0.37ML     0.25 200       85
     -1
201190 HARTLAND+                             5.0ABW    LGELLIGAER,SOUTH WALES 1
       171415.19  310.09/ 198.25   0.5 1.4            2+   51.675   -3.300     2
  8 34 131 0.13  0.8  3.4 C B*C FELT GELLIGAER,HENGOED &  YSTRAD MYNACH        3
HSA Z 171425.50        P 1 U                                                 60
HTL Z 171434.45        P 1 U48.68        S 3                                 112
HTL NS1714                                  5.0 H0.21ML     0.25 200       112
HTL EW1714                                  4.7 H0.23ML     0.25 200       112
HGH Z 171421.43        P 1 U25.95        S 1                                  34
MCH Z 171422.66        P 1 U28.02        S 1                                  42
MCH NS1714                                  6.7 H0.20ML     1.0  200       42
MCH EW1714                                  2.0 H0.24ML     1.0  200       42
HTR Z 171423.50        P 1 U                                                 45
     -1
201190 LOWNET+   LN 727   2255      12.5      5.0DWR    LFORT AUGUSTUS,HIGHLAND1
       224519.29  246.15/ 802.05   7.2 1.2                 57.084   -4.539     2
 12 41 200 0.20  1.0  2.6 C B*D                                                 3
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EAB Z 224535.81       P 3E 47.60       S 3E  4.8H0.09ML          0.25 200  101
EBH Z 224537.82       P 3E 50.91       S 3E  2.6H0.11ML          0.25 200  113
MDO Z 224526.40       P 3E 31.28       S 3                                  41
MCD Z 224534.89       P 1EU46.57       S 3                                  95
MCD NS2245                                  11.4H0.10ML          0.25 200   95
MCD EW2245                                   9.5H0.13ML          0.25 200   95
MVH Z 224535.50       P 3E 46.40       S 3                                  96
MME Z 224535.61       P 3E 46.90       S 3                                  99
     -1
211190HEREFORD+  HF600             12.5       5.0WRIGHT LSTROUD,GLOUCESTERSHIRE1
       122023.42  375.43/ 201.16   7.7 1.0                 51.708   -2.356    2
  7 32 278 0.36  8.0 10.8 D D*D                                               3
MCH Z 122033.55       P 3E 39.52       S 3                                  55
MCH NS1220                                   6.5H0.18ML          0.25 200   55
MCH EW1220                                   5.5H0.11ML          0.25 200   55
SBD Z 122046.42       P 2ID                                               147
HCG Z 122040.92       P 3E                                                113
HGH Z 122029.18       P 2ID                                                30
HTR Z 122036.30       P 2ID                                                75
HLM Z 122040.12       P 3E                                                 99
     -1
221190KEYWORTH+  KW134             12.5       5.0WRIGHT LFARNSFIELD,NOTTS      1
        12018.63  463.40/ 356.90   2.8 1.4                 53.105   -1.053    2
 10 35 139 0.27  1.2  2.9 C B*C                                              3
CWF Z 012027.00       P 3E 32.39       S 3E                                 44
CWF NS0120                                   9.0H0.12ML          0.25 200   44
CWF EW0120                                   8.5H0.18ML          0.25 200   44
KSY Z 012025.19       P 3E 29.49       S 2                                  35
KWE Z 012027.80       P 2E 35.05       S 2                                  54
KBI Z 012025.15       P 2E 29.62       S 2                                  36
HPK Z 012036.09       P 2E 47.82       S 2                                 102
HPK NS0120                                   7.3H0.19ML          1.0  200  102
HPK EW0120                                   2.6H0.20ML          1.0  200  102
     -1
221190NORTH SEA                              5.0BS      SHETLAND ISLANDS      1
       234823.45  504.60 1114.19   6.5 2.4                 59.905   -0.127    2
 18 63 177 0.23  2.6  5.0 D C*D EAST OF SHETLAND ISLANDS                       3
LRW Z 234833.81       P 1I 40.40       S 3E                                 64
SAN Z 234833.70       P 1IU                                                63
WAL Z 234838.50       P 1ID49.00       S 3E                                 92
YEL Z 234838.20       P 1IU48.20       S 3E                                 89
LRW Z 2348                              02.5H0.13ML          0.25 4       64
SUE Z 234905.20       P 1E 36.10       S 3E                                298
HYA Z 234914.30       P 1E 54.70       S 3E                                374
ODD1Z 234915.00       P 1I 53.10       S 3E                                378
ASK Z 234905.20       P 1E 37.40       S 3E                                302
KMY Z 234907.30       P 1E 37.80       S 3E                                313
BER Z 234906.60       P 1E 38.40       S 3E                                308
     -1
231190 LOWNET    LN 728    617      12.5       5.0DWR    LCLACKMANNAN,CENTRAL   1
         4 1 7.48  293.00/ 693.32   0.0 0.3                 56.121   -3.721    2
  6 19 158 0.09  0.6  1.0 B A*C COALFIELD TYPE                                 3
EBH Z 040111.59       P 2E 14.90       S 3E                0.25 200   19
EAB Z 040115.09       P 3E 20.52       S 3E                                 39
EDI Z 040115.32       P 3E 20.75       S 2E  1.2H0.18M     0.25 200   40
EDI NS0401               E                ED 1.8H0.20ML    0.25 200   40
EDI EW0401               E                 E  1.5H0.22ML   0.25 200   40
     -1
231190LANCS+     LA 071            12.5       5.0JAR    LBURNLEY,LANCASHIRE    1
        15 226.86  389.31/ 427.31   0.5 1.5                 53.742   -2.162    2
  8 29 239 0.24  5.1  3.3 D D*D COALFIELD TYPE                                 3
LLO Z 150232.12       P 3E                                                 29
LBO Z 150234.31       P 3                                                  38
LKL Z 150237.00       P 3E 45.12       S 3                                 58
LCK Z 1502                52.88       S 3                                 83
LMI Z 1502                54.54       S 3                                 92
LMI NS1502                                   4.6H0.42ML          0.25 200   92
LMI EW1502                                   4.3H0.33ML          0.25 200   92
HPK Z 150234.91       P 3E 40.85       S 2                                 43
HPK NS1502                                  13.0H0.35ML          0.25 200   43
HPK EW1502                                   9.0H0.38ML          0.25 200   43
     -1
241190 LOWNET+   LN 728   1075      12.5       5.0DWR    LJURA,STRATHCLYDE      1
       125756.51  165.68/ 711.32   1.7 1.1                 56.237   -5.782    2
 10 78 315 0.25  9.4  7.0 D D*D 10KM NORTH OF JURA                            3
EAB Z 125811.93       P 2E 22.72       S 2E                0.25 200   90
EBH Z 125819.18       P 3E 36.43       S 3E                                141
EDI Z 125822.01       P 4E 41.29       S 4E  1.5H0.20M     0.25 200  165
EDI NS1258               E                E  2.2H0.22ML    0.25 200  165
EDI EW1258               E                E  1.6H0.12ML    0.25 200  165
EDU Z 125824.76       P 3E 46.12       S 3E                                174
PCA Z 125815.40       P 4E                                                 112
PGB Z 125812.55       P 3E 24.45       S 3                                  94
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PGB NS1258                                    3.0H0.11ML          0.25 200   94
PGB EW1258                                    4.1H0.20ML          0.25 200   94
PMS Z 125809.70       P 2E 19.65       S 3                                    78
PCO Z 125815.10       P 3E                                                   108
     -1
251190LANCS+     LA 071             12.5      5.0JAR    LGARSDALE,CUMBRIA      1
       155538.92  381.30/ 491.82   9.5 0.8                54.321   -2.288    2
  8 20 217 0.16  1.9  7.0 D C*D                                               3
LKL Z 155542.91       P 0IU45.71       S 2                                    20
LCK Z 155545.53       P 0IU49.79       S 3                                    38
LBO Z 155546.67       P 1E 51.43       S 3                                    42
LMI Z 155550.40       P 3E                                                   67
LMI NS1555                                    3.0H0.09ML          0.25 200   67
LMI EW1555                                    2.6H0.11ML          0.25 200   67
HPK Z 155549.10       P 3E 56.27       S 2                                    60
HPK NS1555                                    6.5H0.14ML          0.25 200   60
HPK EW1555                                    6.7H0.14ML          0.25 200   60
     -1
261190 LOWNET    LN 728   1804      12.5      5.0DWR    LROSEWELL,LOTHIAN      1
       174516.17  327.45/ 663.02   0.7 0.9                55.855   -3.159    2
  8  8 125 0.16  1.2  1.4 B B*B COALFIELD TYPE                                 3
EDI Z 174518.10       P 1IU19.26       S 3E 13.7H0.22M          1.0 200    8
EDI NS1745               IU               EU 5.0H0.70ML          1.0 200    8
EDI EW1745               ID               E  7.9H0.47ML          1.0 200    8
EBL Z 174518.80       P 1ID20.82       S 3EU                                  12
EAU Z 174520.29       P 2EU22.89       S 3EU                                  19
ESY Z 174523.11       P 3E                                                   35
EBH Z 174525.30       P 2EU33.02       S 3E                                   49
     -1
271190KEYWORTH+  KW134             12.5      5.0WRIGHT LOLLERTON,NOTTS        1
        23827.47  475.77/ 363.39   2.1 1.4                53.162   -0.867    2
  5 45 229 0.11  2.5  1.8 D C*D COALFIELD TYPE                                3
CWF Z 023837.60       P 3E 44.37       S 3                                    56
CWF NS0238                                   13.5H0.20ML          0.25 200   56
CWF EW0238                                    7.0H0.21ML          0.25 200   56
HPK Z 023853.65       P 4  70.88       S 4                                   102
KBI Z 023835.65       P 2E 41.77       S 2                                    45
KUF Z 0238                48.11       S 3                                    69
HPK NS0238                                    7.5H0.23ML          0.25 200  102
HPK EW0238                                    6.0H0.21ML          0.25 200  102
     -1
271190 LOWNET    LN 728   2066      12.5      5.0DWR    LCLACKMANNAN,CENTRAL   1
       124850.48  292.39/ 694.14   0.1 0.6                56.128   -3.731    2
  8 19 129 0.13  0.6  1.0 B A*C COALFIELD TYPE                                 3
EBH Z 124854.61       P 2E 57.84       S 3E                     0.25 200   19
EAU Z 124857.42       P 2E 62.77       S 3E                                   36
EAB Z 124858.07       P 3E 63.21       S 3E                                   38
EDI Z 124858.21       P 3E 63.34       S 3E  1.6H0.20M          0.25 200   41
EDI NS1248               E                E  2.1H0.32ML          0.25 200   41
EDI EW1248               E                E  2.8H0.22ML          0.25 200   41
EDU Z 124901.77       P 3E 10.97       S 3E                                   65
     -1
271190 LOWNET    LN 728   2067      12.5      5.0DWR    LCLACKMANNAN,CENTRAL   1
       124917.85  292.92/ 693.67   0.9 1.3                56.124   -3.723    2
  8 19 129 0.08  0.4  0.6 B A*C COALFIELD TYPE                                 3
EBH Z 124921.60       P 3E 24.84       S 2E                     0.25 200   19
EAU Z 124924.55       P 2ED29.51       S 2E                                   35
EAB Z 124925.32       P 2ED30.55       S 2EU                                  39
EDI Z 124925.42       P 2ED31.01       S 2E  3.4H0.80M          0.25 200   40
EDI NS1249               ED               EU 4.5H1.00ML          0.25 200   40
EDI EW1249               E                E  6.5H0.90ML          0.25 200   40
EDU Z 124929.52       P 3E 38.22       S 3E                                   64
     -1
281190 ESK       ES 502             12.5      5.0DG     LLONGTOWN,CUMBRIA      1
       152045.51  333.29/ 576.98   6.7 0.2                55.083   -3.045    2
  7 12 156 0.22  2.1  2.7 C B*C                                               3
ECK Z 152047.80       P 1ID50.27       S 1                                    12
ESK Z 152050.55       P 2E 54.90       S 3                                    28
ESK NS1520                                    7.0H0.10ML          0.25 200   28
ESK EW1520                                    6.9H0.10ML          0.25 200   28
XSO Z 152057.29       P 2ED65.10       S 2                                    68
XDE Z 152057.32       P 2ED                                                  70
     -1
291190 LOWNET    LN 729    265      12.5      5.0DWR    LCLACKMANNAN,CENTRAL   1
        12337.65  293.71/ 693.42   2.1 1.4                56.122   -3.710    2
  9 19 128 0.12  0.5  0.8 B A*C COALFIELD TYPE                                 3
EBH Z 012341.20       P 2EU44.19       S 3E                     0.25 200   19
EAU Z 012344.10       P 2ED48.50       S 3E                                   35
EDI Z 012344.86       P 2ED50.28       S 2E  2.0H0.70M          0.25 200   39
EDI NS0123               EU               EU 7.5H0.80ML          0.25 200   39
EDI EW0123               ED               E  8.0H0.70ML          0.25 200   39
EAB Z 012345.01       P 2E 50.19       S 3E                                   40
EBL Z 012347.30       P 3E 54.12       S 3E                                   57
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EDU Z 012349.00       P 3E 56.91       S 3E                                  64
     -1
291190 LOWNET    LN 729    306      12.5      5.0DWR    LCLACKMANNAN,CENTRAL   1
       52142.78  294.30/ 693.31   0.5 1.1                 56.121   -3.700    2
 10 19 127 0.10  0.4  0.7 B A*C COALFIELD TYPE                                3
EBH Z 052146.79       P 2ED49.69       S 3E                0.25 200   19
EAU Z 052149.45       P 2E 54.32       S 3E                                   34
ELO Z 052150.11       P 2E 56.19       S 3E                                   39
EDI Z 052150.30       P 2ED55.55       S 2E  3.0H0.60M     0.25 200   39
EDI NS0521               E                ED 3.9H0.70ML    0.25 200   39
EDI EW0521               E                E  4.0H0.70ML    0.25 200   39
EAB Z 052150.59       P 3E 56.00       S 3E                                   40
     -1
011290 LOWNET+   LN 729   1089      12.5      5.0DWR    LMULL,STRATHCLYDE      1
       124852.78  165.58/ 724.45   8.1 0.7                 56.354   -5.795    2
  7 86 331 0.08  1.5121.5 D C*D 4KM EAST OF LOCHBUIE,MULL                      3
EAB Z 124907.90       P 2E 18.79       S 3E  2.0H0.10ML    0.25 200   92
PMS Z 124906.85       P 3E 17.40       S 3                                    87
PGB Z 124909.40       P 3E 21.70       S 3                                   102
PGB NS1249                             2.5H0.10ML          0.25 200   102
PGB EW1249                             1.5H0.18ML          0.25 200   102
PCO Z 124911.18       P 1EU                                                  113
     -1
031290HEREFORD+  HF603            12.5       5.0WRIGHT LABERDARE,MID GLAMORGAN1
       117 8.40  298.53/ 214.40  19.1 1.7                 51.819   -3.472    2
 16 32 104 0.20  0.9  4.3 B B*B                                              3
MCH Z 011715.12       P 1IU                                                  38
MCH NS0117                20.89        4.0H0.09ML          10.0 200   38
MCH EW0117                             4.5H0.10ML          10.0 200   38
HAE Z 011719.38       P 3E                                                   68
HCG Z 011718.39       P 2E 26.52       S 3                                    58
HGH Z 011717.17       P 1IU                                                  50
HTR Z 011714.31       P 2E 19.89       S 3                                    32
HLM Z 011723.45       P 3E 34.11       S 3                                    87
HSA Z 011716.97       P 1IU22.89       S 2                                    48
HPE Z 011723.16       P 2ED33.83       S 2                                    91
HTL Z 011727.30       P 2E 40.62       S 3                                   116
HTL NS0117                             8.1H0.10ML          0.25 200   116
HTL EW0117                            12.9H0.08ML          0.25 200   116
     -1
031290 LOWNET    LN 729   1856      12.5      5.0DWR    LCLACKMANNAN,CENTRAL   1
       20 257.76  296.39/ 693.21   1.0 0.4                 56.120   -3.667    2
  7 17 124 0.30  1.0  1.7 C C*C COALFIELD TYPE                                3
EBH Z 200301.20       P 3E 04.40       S 3E                                   17
EAU Z 200303.78       P 3E 09.03       S 3E                                   34
EDI Z 200304.52       P 3E 10.59       S 3E                                   37
EDI NS2003               E                E  1.3H0.40ML    0.25 200   37
EDI EW2003               E                E  1.8H0.40ML    0.25 200   37
EAB Z 200305.70       P 3E                                                   43
     -1
051290 ESK+      ES 503            12.5       5.0DG     LCLACKMANNAN,CENTRAL   1
       123 2.24  294.23/ 693.60   0.6 1.3                 56.123   -3.702    2
  9 18 127 0.06  0.3  0.5 B A*C COALFIELD TYPE                                3
ESK Z 012319.67       P 2ED30.70       S 2                                    95
ESK NS0123                             5.6H0.18ML          0.25 200   95
ESK EW0123                             5.2H0.16ML          0.25 200   95
ECK Z 012321.85       P 3E 35.30       S 3                                   111
XSO Z 012323.28       P 3E 38.21       S 2                                   115
EBH Z 012306.05       P 2EU09.12       S 3E                                   18
EAU Z 012308.97       P 2EU13.75       S 2EU                                  35
EDI Z 012309.70       P 2EU15.22       S 2E 11.6H0.19M     0.25 200   39
EDI NS0123               EU               EU 5.3H0.60ML    0.25 200   39
EDI EW0123               E                E  6.6H0.70ML    0.25 200   39
EAB Z 012309.92       P 2EU15.45       S 3E                                   40
EBL Z 012312.52       P 3E                                                   57
     -1
081290HEREFORD+                  12.5       5.0WRIGHT LRHONNDA,MID GLAMORGAN 1
       035 2.77  307.82/ 198.95   3.4 1.7                 51.681   -3.333    2
 10 37 268 0.18  2.2  4.1 C B*D                                              3
MCH Z 003509.82       P 2E 15.19       S 2                                    42
MCH NS0035                            07.1H0.18ML          01.0 200   42
MCH EW0035                            13.0H0.18ML          01.0 200   42
HAE Z 003514.48       P 2E 22.56       S 2                                    67
HGH Z 003509.08       P 2ID                                                  37
HTR Z 003510.54       P 2E                                                   45
CWF Z 003532.08       P 3E 52.65       S 3                                   182
CWF NS0035                            07.5H0.16ML          0.25 200   182
CWF EW0035                            06.0H0.18ML          0.25 200   182
KWE Z 003532.12       P 3E 52.69       S 3                                   180
     -1
111290LANCS+     LA 073            12.5       5.0JAR    LGRIMETHORPE,S YORKS   1
       10 550.65  452.77/ 413.20   2.4 1.5               2+   53.612   -1.202    2
  6 47 220 0.11  2.2  1.2 C B*D COALFIELD TYPE,FELT       GRIMETHORPE            3
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LBO Z 100607.38       P 3E                                                  99
LMI Z 1006            P 4                                                  154
LMI NS1006                                  2.5H0.20ML          0.25 200  154
LMI EW1006                                  4.5H0.20ML          0.25 200  154
CWF Z 100606.75       P 3E 19.00      S 3                                   98
CWF NS1006                                  7.0H0.19ML          0.25 200   98
CWF EW1006                                  8.5H0.13ML          0.25 200   98
KWE Z 100604.01       P 3E 13.87      S 3                                   79
HPK Z 100600.00       P 4  05.29      S 2                                   47
HPK NS1006                                  7.5H0.21ML          1.0  200   47
HPK EW1006                                  6.1H0.19ML          1.0  200   47
     -1
131290 HARTLAND+                  12.5       5.0GDF/ABWLBRISTOL CHANNEL       1
       215857.76  329.93/ 167.62  1.0 1.9                 51.403   -3.007    2
  5 88 293 0.16  3.0  2.3 D C*D                                              3
HSA Z 215912.89       P 1                                                  88
HTL Z 215916.57       P 2  30.62      S 2                                  113
HPE Z 215920.40       P 2                                                  136
CSA Z 215926.85       P 3                                                  177
CR2 Z 215930.15       P 3                                                  205
CCO Z 215930.25       P 3                                                  209
HTL NS215916.57       P 2                 5.5 H0.19ML         1.0  200   113
CWF Z 215931.21       P 4E 54.90      S 4                                  189
CWF NS2159                                  5.0H0.11ML          0.25 200  189
CWF EW2159                                 11.0H0.19ML          0.25 200  189
KTG Z 215933.72       P 3E 56.88      S 2                                  207
KWE Z 215931.91       P 3E 54.30      S 3                                  197
KBI Z 215936.81       P 2E 63.32      S 3                                  230
     -1
151290KEYWORTH+  KW138             12.5       5.0WRIGHT LMALTBY,S YORKSHIRE    1
        3 9 5.05  454.67/ 390.20   0.9 1.2                 53.405   -1.178    2
 19 29 167 0.31  1.2  3.2 C C*C COALFIELD TYPE                               3
MCH Z 0309                59.48     S 3                                    199
MCH NS0309                                  0.3H0.18ML          0.25 200  199
MCH EW0309                                  0.3H0.18ML          0.25 200  199
SBD Z 030929.50       P 3E 47.12      S 3                                  150
HAE Z 030934.11       P 3E 55.82      S 4                                  178
HPK Z 030917.10       P 3E 25.29      S 2                                   68
CWF Z 030918.45       P 2E 27.68      S 3                                   75
CWF NS0309                                  5.5H0.09ML          0.25 200   75
CWF EW0309                                  8.0H0.10ML          0.25 200   75
KSY Z 030915.79       P 3E                                                 63
KBI Z 030909.91       P 2E                                                 29
HPK NS0309                                  5.7H0.18ML          1.0  200   68
HPK EW0309                                  7.5H0.12ML          1.0  200   68
LLO Z 030923.09       P 3E 35.70      S 3                                  104
LBO Z 030924.22       P 2E 36.78      S 3                                  112
LKL Z 030926.89       P 2E 41.90      S 3                                  127
LCK Z 030930.70       P 3E 49.00      S 3                                  154
LMI Z 030932.58       P 3E 51.42      S 2   1.6H0.20ML          0.25 200  167
LMI NS0309                                  3.5H0.25ML          0.25 200  167
LMI EW0309                                  2.3H0.20ML          0.25 200  167
     -1
151290 PAISLEY+  PA 343           12.5       5.0DG     LTAYNUILT,STRATHCLYDE    1
       133847.96  204.86/ 727.17  3.6 1.5                 56.396   -5.162    2
 21 56 286 0.29  2.9  4.6 D C*D                                              3
PMS Z 133859.21       P 1ID67.55      S 3                                   67
PGB Z 133901.23       P 1ID10.65      S 2                                   78
PGB NS1339                                 13.7H0.10ML          0.25 200   78
PGB EW1339                                 14.5H0.14ML          0.25 200   78
PCO Z 133901.68       P 2EU11.55      S 3                                   80
PCA Z 133904.05       P 3E 15.69      S 3                                   96
EAB Z 133857.66       P 2E 63.70      S 3E                                  56
ELO Z 133902.95       P 3E 12.95      S 3E                                  90
EBH Z 133905.45       P 2E 17.80      S 3E                                 104
EAU Z 133908.36       P 3E 24.55      S 3E                                 123
EDI Z 133909.50       P 3E 26.02      S 2E                                 134
EDI NS1339               E               EU 2.8H0.32ML          0.25 200  134
EDI EW1339               E                E 5.5H0.28ML          0.25 200  134
EDU Z 133909.70       P 3E 25.76      S 3E                                 133
EBL Z 133911.10       P 4E 29.85      S 3E                                 149
     -1
161290KEYWORTH+  KW138             12.5       5.0WRIGHT LBILSTHORPE,NOTTS      1
       203324.41  464.80/ 359.77   0.5 1.7                 53.131   -1.031    2
 15 35 145 0.21  0.8  1.8 C B*C COALFIELD TYPE                               3
CWF Z 203332.96       P 3E 37.72      S 4                                   48
CWF NS2033                                  6.0H0.16ML          0.25 200   48
CWF EW2033                                  8.0H0.16ML          0.25 200   48
KSY Z 203330.49       P 3E 35.49      S 2                                   35
KBI Z 203330.69       P 2E 35.61      S 2                                   36
MCH Z 203353.50       P 3E 75.59      S 3                                  184
MCH NS2033                                 12.0H0.26ML          0.25 200  184
MCH EW2033                                  5.5H0.29ML          0.25 200  184
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SBD Z 2033                67.32       S 4                                  152
HAE Z 2033                69.95       S 4                                  159
HPK Z 203341.92       P 3E 53.75       S 2                                  100
HPK NS2033                                    9.0H0.29ML          1.0  200  100
HPK EW2033                                    3.0H0.19ML          1.0  200  100
LLO Z 203346.50       P 3E 61.81       S 3                                  129
LBO Z 203347.60       P 2E 63.51       S 3                                  139
LKL Z 203350.70       P 3E 69.13       S 3                                  157
LCK Z 203354.40       P 4E 76.20       S 3                                  183
LMI Z 203356.20       P 4E 78.75       S 3  1.5H0.52ML          0.25 200  193
LMI NS2033                                    2.0H0.35ML          0.25 200  193
LMI EW2033                                    1.7H0.32ML          0.25 200  193
     -1
191290HEREFORD   HF605             12.5        5.0WRIGHT LKNIGHTON,POWYS       1
       133846.31  285.70/ 234.75   0.5 0.9                 51.999   -3.665     2
  8 29 131 0.21  1.1  2.2 C B*C                                                3
MCH Z 133854.29       P 2E 60.52       S 3                                   46
MCH NS1338                                    4.5H0.27ML          0.25 200   46
MCH EW1338                                    5.0H0.20ML          0.25 200   46
HAE Z 133856.72       P 3E                                                   77
HCG Z 133852.84       P 2E 57.71       S 3                                   36
HTR Z 133851.62       P 1IU                                                  29
HSA Z 133853.80       P 1ID                                                  44
HTL Z 133907.81       P 1ID23.38       S 3                                  125
     -1
201290 LOWNET    LN 732    420      12.5       5.0DWR    LKINTAIL,HIGHLAND      1
       13 711.96  208.08/ 818.35   8.7 1.1                 57.216   -5.179     2
  6122 337 0.28190.0442.9 D D*D MAGNITUDE FROM VERTICALS                       3
ELO Z 130731.61       P 3E 46.50       S 3E 4.6H0.11ML          0.25 200  122
EAB Z 130732.45       P 3E 46.72       S 3E 2.5H0.10ML          0.25 200  126
EBH Z 130735.03       P 3E 52.45       S 3E 1.8H0.18ML          0.25 200  149
     -1
201290KEYWORTH+  KW139             12.5        5.0WRIGHT LMALTBY,S YORKSHIRE   1
       143428.06  452.66/ 388.92   0.5 1.7                 53.394   -1.208     2
 15 26 249 0.26  2.4  1.9 C B*D COALFIELD TYPE                                 3
KWE Z 143437.97       P 3E 46.15       S 2                                   60
KBI Z 143432.91       P 3E                                                   26
HPK Z 143439.91       P 2E 48.29       S 2                                   68
HPK NS1434                                    7.0H0.17ML          1.0  200   68
HPK EW1434                                    7.0H0.12ML          1.0  200   68
LLO Z 143445.80       P 3E 57.71       S 3                                  103
LBO Z 143447.35       P 2E 60.95       S 3                                  111
LKL Z 143449.66       P 3E 64.90       S 2                                  127
LCK Z 143453.83       P 2E 71.95       S 2                                  153
LMI Z 143455.70       P 3E 74.62       S 3                                  166
LMI NS1434                                    4.6H0.29ML          0.25 200  166
LMI EW1434                                    3.0H0.21ML          0.25 200  166
     -1
261290 PAISLEY+  PA 344            12.5        5.0DG     LCRIANLARICH,CENTRAL   1
        02951.16  242.22/ 733.17   1.1 0.8                 56.464   -4.561     2
 10 34 281 0.34  2.0  1.5 D C*D                                                3
PCO Z 003001.83       P 1EU09.93       S 3                                   60
PMS Z 003003.81       P 3E 13.52       S 3                                   70
PGB Z 003004.25       P 3E 14.10       S 3                                   73
PGB NS0030                                    2.4H0.10ML          0.25 200   73
PGB EW0030                                    2.1H0.09ML          0.25 200   73
EAB Z 002956.88       P 2E 61.78       S 3E                                  34
EBH Z 003003.41       P 2E 12.50       S 3E                                  69
EDI Z 003009.30       P 4E 23.10       S 3E                                 105
EDI NS0030               E                E  2.4H0.19ML          0.25 200  105
EDI EW0030               E                E  2.8H0.22ML          0.25 200  105
     -1
261290 ESK+      ES 506            12.5        5.0DG     LASPATRIA,CUMBRIA      1
         4 236.94  320.20/ 540.17   7.3 0.7                 54.750   -3.240     2
 14 47 140 0.36  1.1  4.3 C C*C                                                3
ESK Z 040247.80       P 3E 55.32       S 3                                   63
ESK NS0402                                    3.0H0.11ML          0.25 200   63
ESK EW0402                                    2.5H0.10ML          0.25 200   63
GCD Z 040244.79       P 3E 50.40       S 3                                   47
GIM Z 040252.90       P 3E 64.50       S 3                                   94
GAL Z 040253.00       P 3E 63.75       S 3                                   96
GAL NS0402                                    3.6H0.08ML          0.25 200   96
GAL EW0402                                    2.4H0.08ML          0.25 200   96
LCK Z 040245.46       P 2E 51.29       S 2E                                  50
LMI Z 040246.92       P 3E 53.69       S 3E                                  59
LMI NS0402               E                E 3.5 0.11 ML          0.25 200   59
LMI EW0402               E                E 3.6 0.09 ML          0.25 200   59
LKL Z 040249.70       P 3E 58.92       S 3E                                  75
     -1
271290 E ANGLIA+                  12.5        5.0G FORD LSOUTHERN NORTH SEA   1
        31648.84  608.35  424.93   1.8 2.4                 53.679    1.155     2
 12 88 249 0.71  5.1  3.1 D D*D                                                3
ABA Z 031703.34       P 2E                                                   88
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AWI Z 031704.80        P 2E 18.13        S 2   8.9H0.13ML          2.5  200   96
AWH Z 031707.89        P 1ED23.19        S 2  20.2H0.20ML          1.0  200  118
APA Z 031713.40        P 3E                                                   155
HPK Z 0317                40.09        S 2                                    186
KUF Z 031713.42        P 2E 32.02        S 2                                    157
KBI Z 031716.13        P 3E 40.68        S 4                                    184
CWF Z 031719.27        P 1E 42.35        S 2                                    195
CWF NS0317                                      6.6H0.14ML          1.0  200  195
CWF EW0317                                      4.0H0.16ML          1.0  200  195
     -1
271290LANCS       LA 076   1008      12.5       5.0DWR    LGRIZEBECK,CUMBRIA      1
       52115.51  322.61/ 490.25   1.5 0.8                  54.302   -3.189     2
  4 12 242 0.02  0.0   0.0 C A*D 5KM NW OF GRIZEBECK                            3
LMI Z 052118.29        P 0ID20.10        S 1ED                  1.0 200   12
LMI NS0521                IU                ED13.8H0.18ML       1.0 200   12
LMI EW0521                IU                ID 9.5H0.18ML       1.0 200   12
LCK Z 052120.00        P 1IU22.81        S 2ED                                  22
LKL Z 052123.58        P 3E 29.39        S 3EU                                  44
     -1
271290 CORNWALL                                  5.0       LSTITHIANS,CORNWALL     1
       162134.94  174.72/  36.25   3.7 0.5                  50.183   -5.156     2
 13  1 164 0.02  0.1   0.1 B A*C SOUTHEAST OF STITHIANS                         3
CST Z 162135.64        P 1IU                                                  2
CR2 Z 162135.68        P 1ID36.26        S 1                                  2
CR2 NS1621                                      3.5 H0.03ML         10.0 200    2
CR2 EW1621                                      5.5 H0.04ML         10.0 200    2
CBW Z 162135.98        P 1ID                                                  5
CCA Z 162136.05        P 1IU36.86        S 1                                  5
CCO Z 162136.19        P 1ID37.08        S 1                                  6
CGH Z 162137.62        P 2ID                                                 15
CTR Z 162135.68        P 1ID36.23        S 1                                  2
CRA Z 162135.80        P 1IU36.45        S 1                                  3
CRQ Z 162135.68        P 4E                    3.1 H0.04ML          0.25   4    2
     -1
281290 CORNWALL                                  5.0ABW    LSTITHIANS,CORNWALL     1
       34329.11  174.93/  36.14   3.6 0.5                  50.182   -5.153     2
 13  2 170 0.01  0.1   0.1 B A*C SOUTHEAST OF STITHIANS                         3
CST Z 034329.80        P 1IU30.34        S 1                                  2
CR2 Z 034329.84        P 1ID30.42        S 1                                  2
CBW Z 034330.15        P 1ID30.92        S 1                                  5
CR2 NS0343                                      4.5 H0.04ML         10.0 200    2
CR2 EW0343                                      3.1 H0.03ML         10.0 200    2
CCA Z 034330.24        P 1EU                                                  5
CCO Z 034330.35        P 1ED31.25        S 1                                  6
CTR Z 034329.83        P 1ID30.40        S 1                                  2
CRA Z 034329.95        P 1E 30.61        S 1                                  3
CRA NS0343                                      4.9 H0.04ML         10.0 200    3
CRA EW0343                                      2.4 H0.04ML         10.0 200    3
     -1
291290HEREFORD   HF607             12.5       5.0WRIGHT LTREGARON,DYFED       1
       195920.99  284.57/ 266.21  19.9 1.0                 52.282   -3.692     2
  8  5 260 0.11  1.3   1.0 C B*D                                                3
MCH Z 195930.89        P 3E 37.72        S 3                                    57
MCH NS1959                                      11.0H0.08ML         0.25 200    57
MCH EW1959                                       8.0H0.09ML         0.25 200    57
HCG Z 195924.41        P 2E 26.82        S 2                                    5
HTR Z 195928.08        P 3E 32.90        S 3                                    37
HLM Z 195931.29        P 2E 39.00        S 3                                    61
     -1
311290 ESK+       ES 507            12.5       5.0DG     LJOHNSTONEBRIDGE,D & G  1
       153821.27  304.71/ 588.83   6.4 1.2                  55.185   -3.497     2
 12 24 128 0.35  3.0   7.0 C C*C                                                3
ESK Z 153825.65        P 1IU28.54        S 1                                    24
ESK NS1538                                      12.9H0.13ML         1.0  200    24
ESK EW1538                                      11.9H0.12ML         1.0  200    24
ECK Z 153826.05        P 1IU29.03        S 1                                    24
PCA Z 153834.38        P 2E 42.97        S 3                                    75
PGB Z 153837.80        P 4E 48.00        S 3                                    93
PGB NS1538                                       9.8H0.09ML         0.25 200    93
PGB EW1538                                       9.5H0.09ML         0.25 200    93
PCO Z 153837.85        P 3E                                                   97
PMS Z 153839.32        P 3E 51.70        S 3                                    108
GCD Z 153829.97        P 3E 34.70        S 2                                    46
GAL Z 153835.59        P 1ID45.31        S 3                                    85
GAL NS1538                                       8.8H0.08ML         0.25 200    85
GAL EW1538                                       8.6H0.07ML         0.25 200    85
EAU Z 153834.00        P 2E 41.81        S 3E                                   74
EBL Z 153834.08        P 2E 41.82        S 3E                                   72
EDI Z 153835.90        P 3E 44.90        S 3E                                   85
EDI NS1538                E                 E   8.5H0.19ML         0.25 200    85
EDI EW1538                E                 E   8.5H0.25ML         0.25 200    85
ESY Z 153838.10        P 2E 49.10        S 3E                                   99
LCK Z 153838.91        P 3E 51.01        S 3E                                   100
LMI Z 153840.10        P 3E 52.81        S 3E                                   108
     -1
```
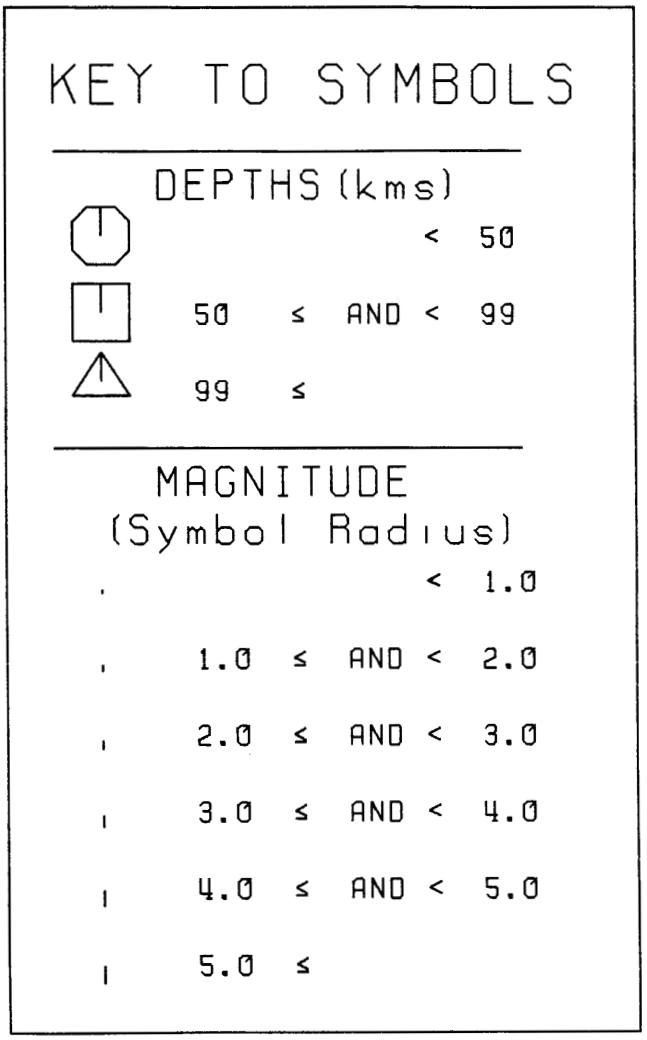

TABLE 6 : Typical depth / crustal velocity for Britain

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

Vp/Vs = 1.73



KEY TO EPICENTRE MAPS, FIGURES 3 TO 6

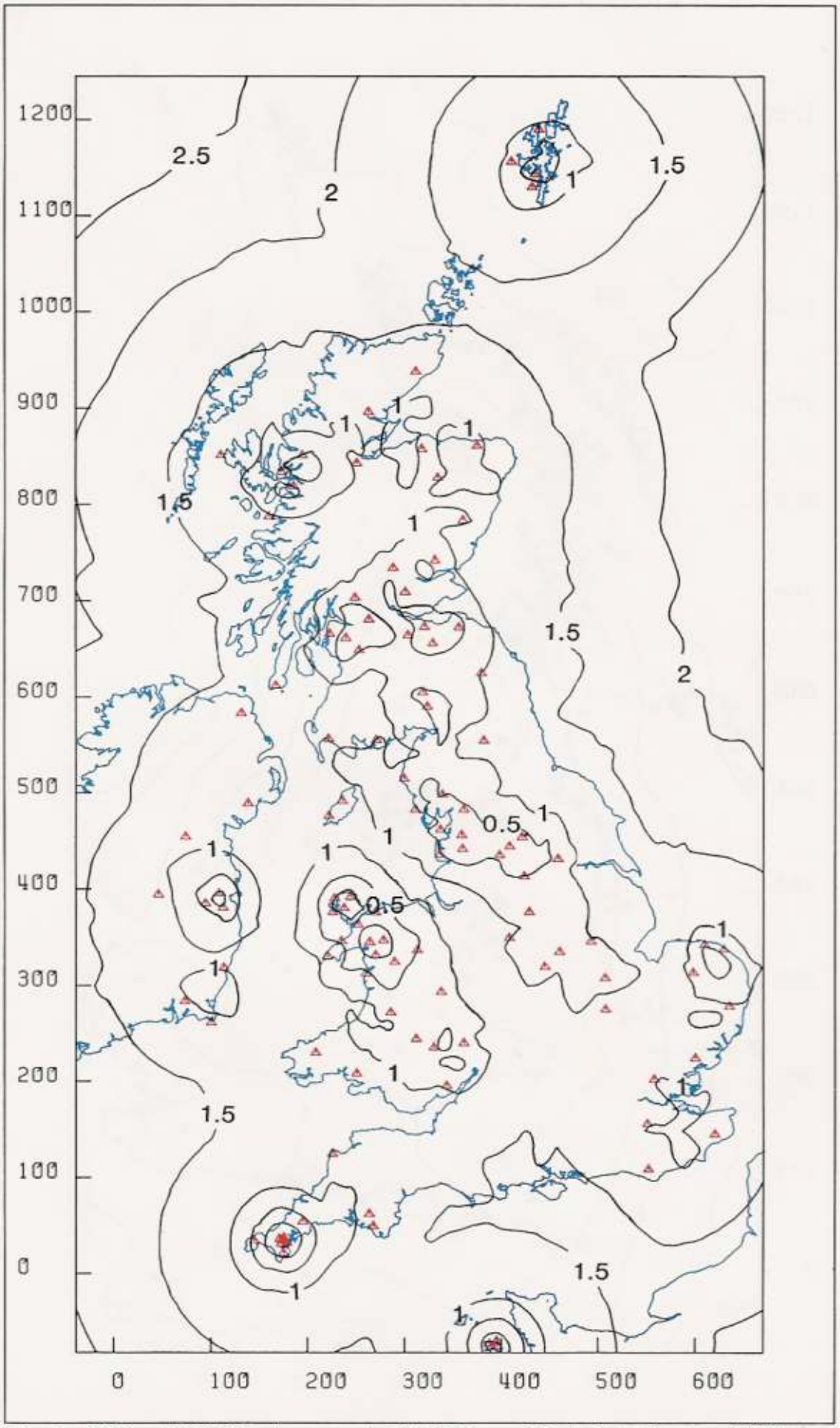


Fig.1 : BGS and DIAS seismographs (△) 1990, and their detection capabilities for magnitudes in 0.5ML steps, with average noise conditions.

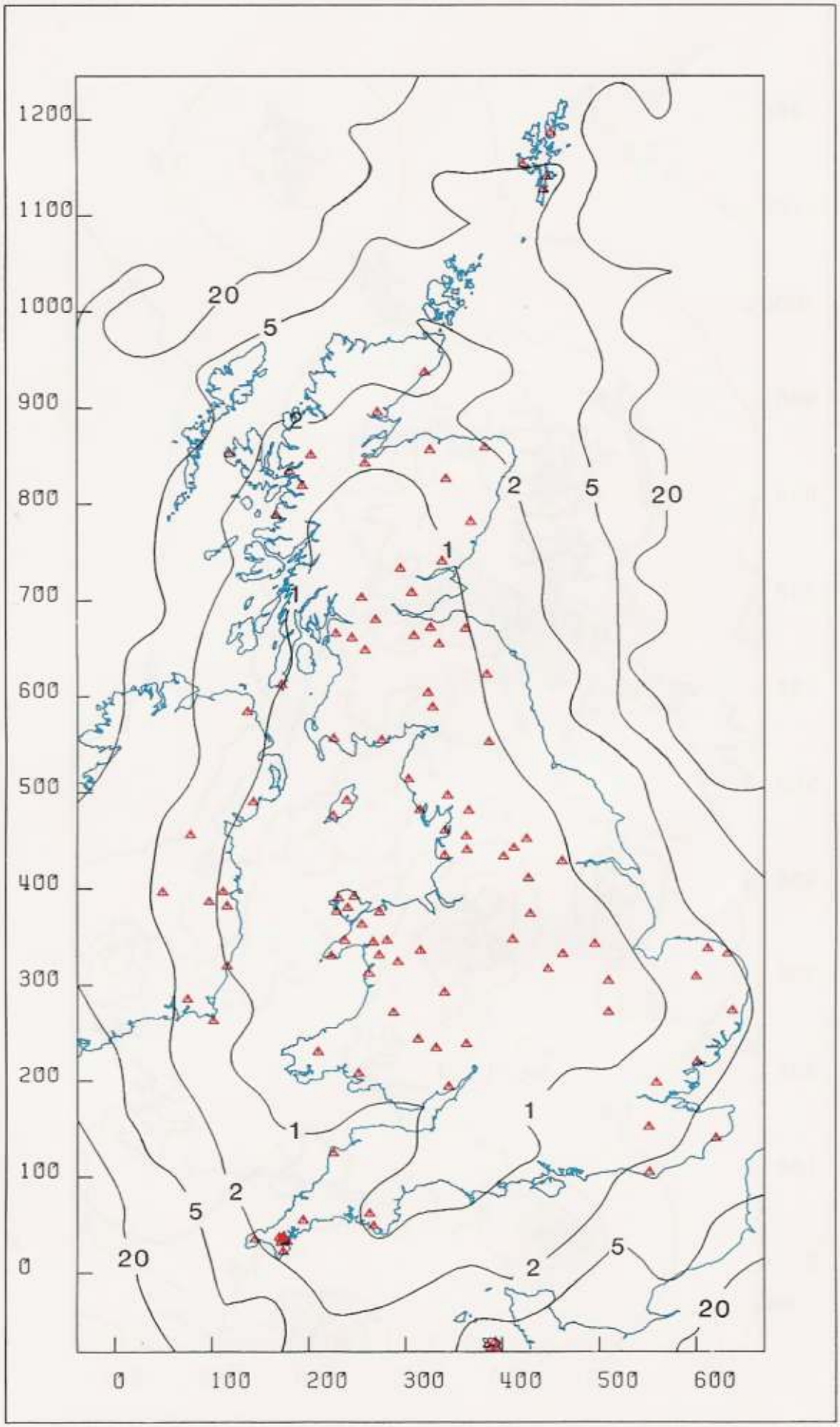


Fig.2 : Theoretical epicentral location errors in km
for a magnitude 2.0ML earthquake

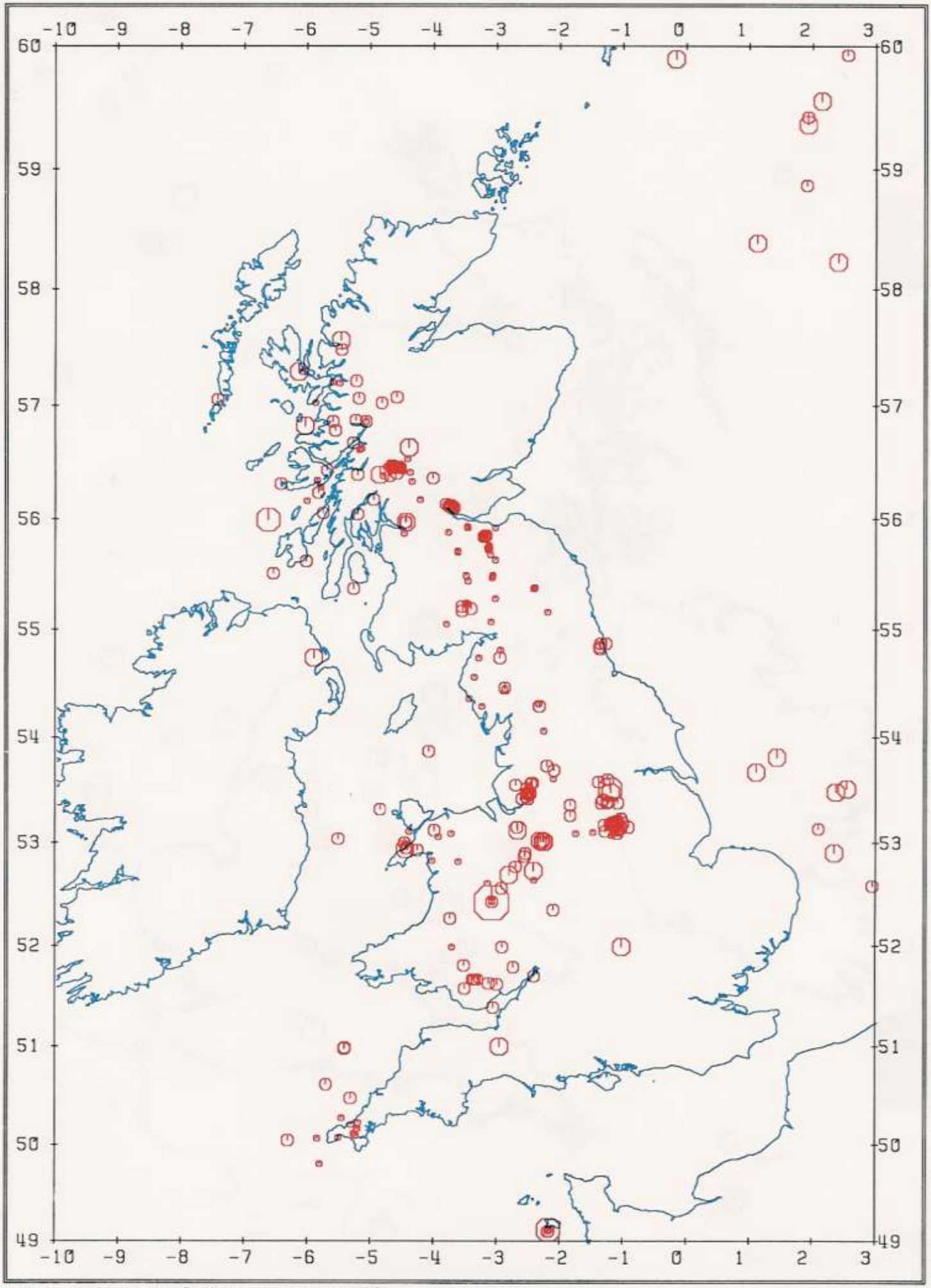


Fig.3 : Epicentres of all earthquakes, 1990.

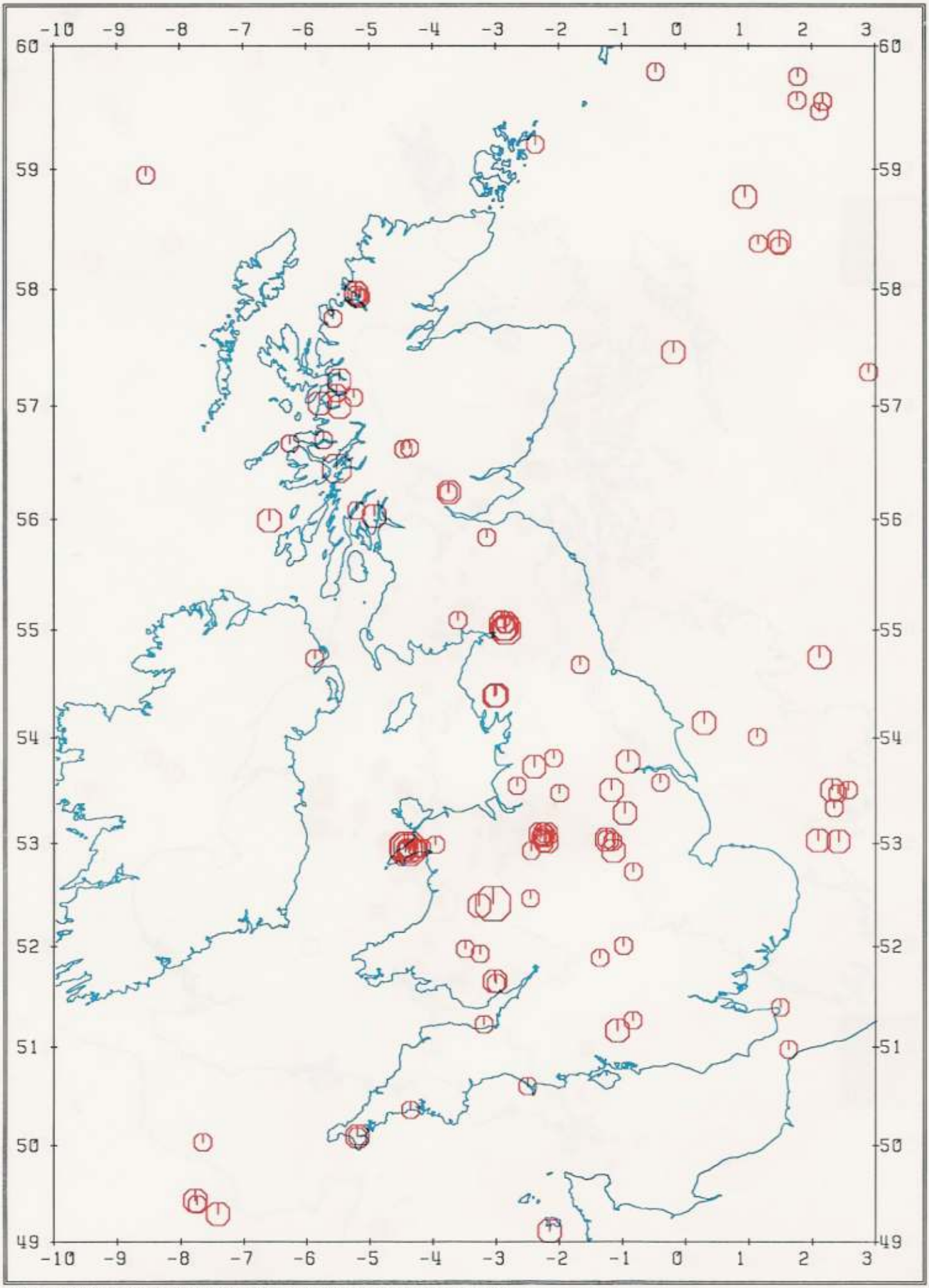


Fig.4 : Epicentres of earthquakes with magnitudes 2.5ML or greater, 1979-90.

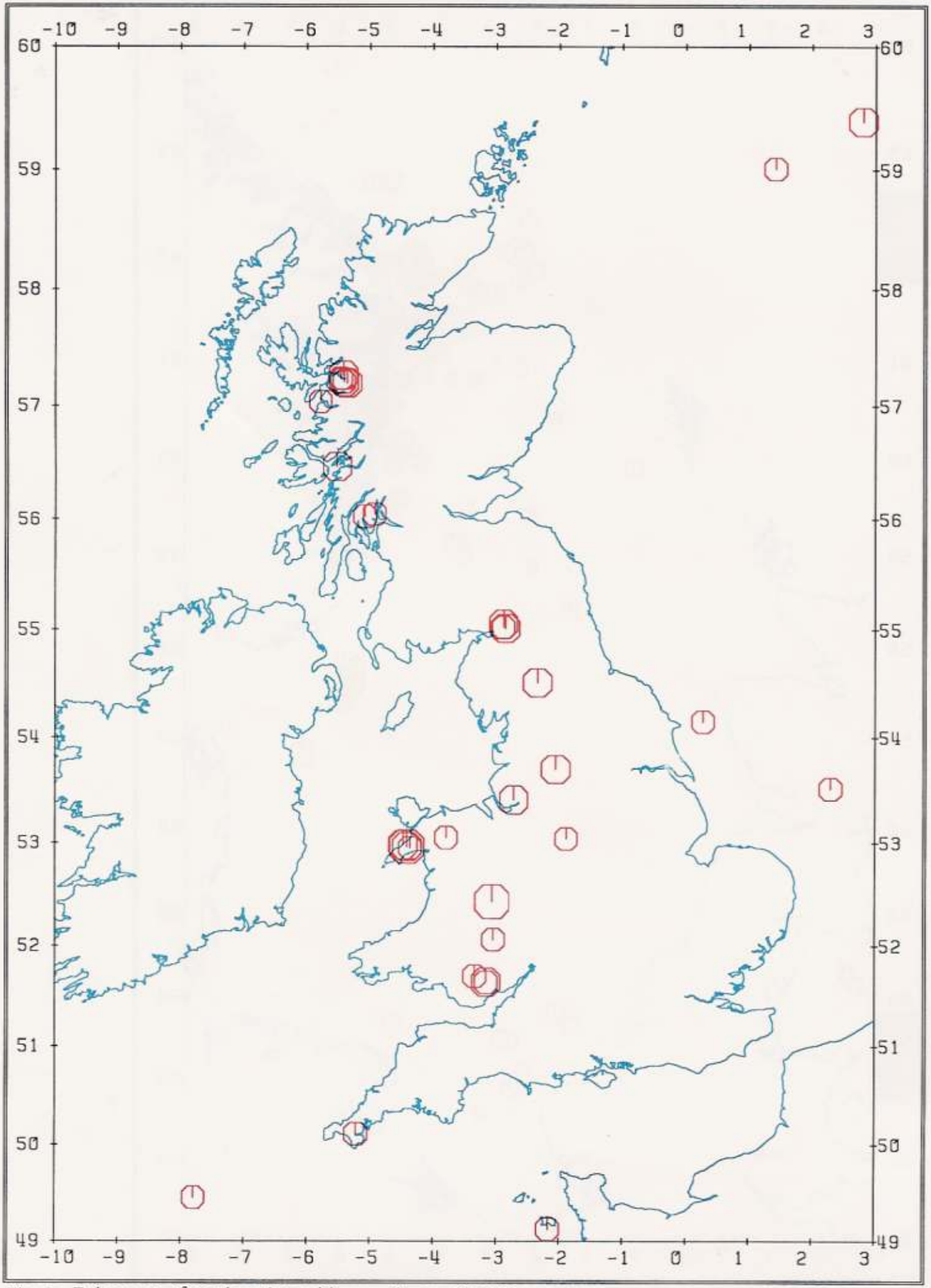


Fig.5 : Epicentres of earthquakes with magnitudes 3.5ML or greater, 1969-90.

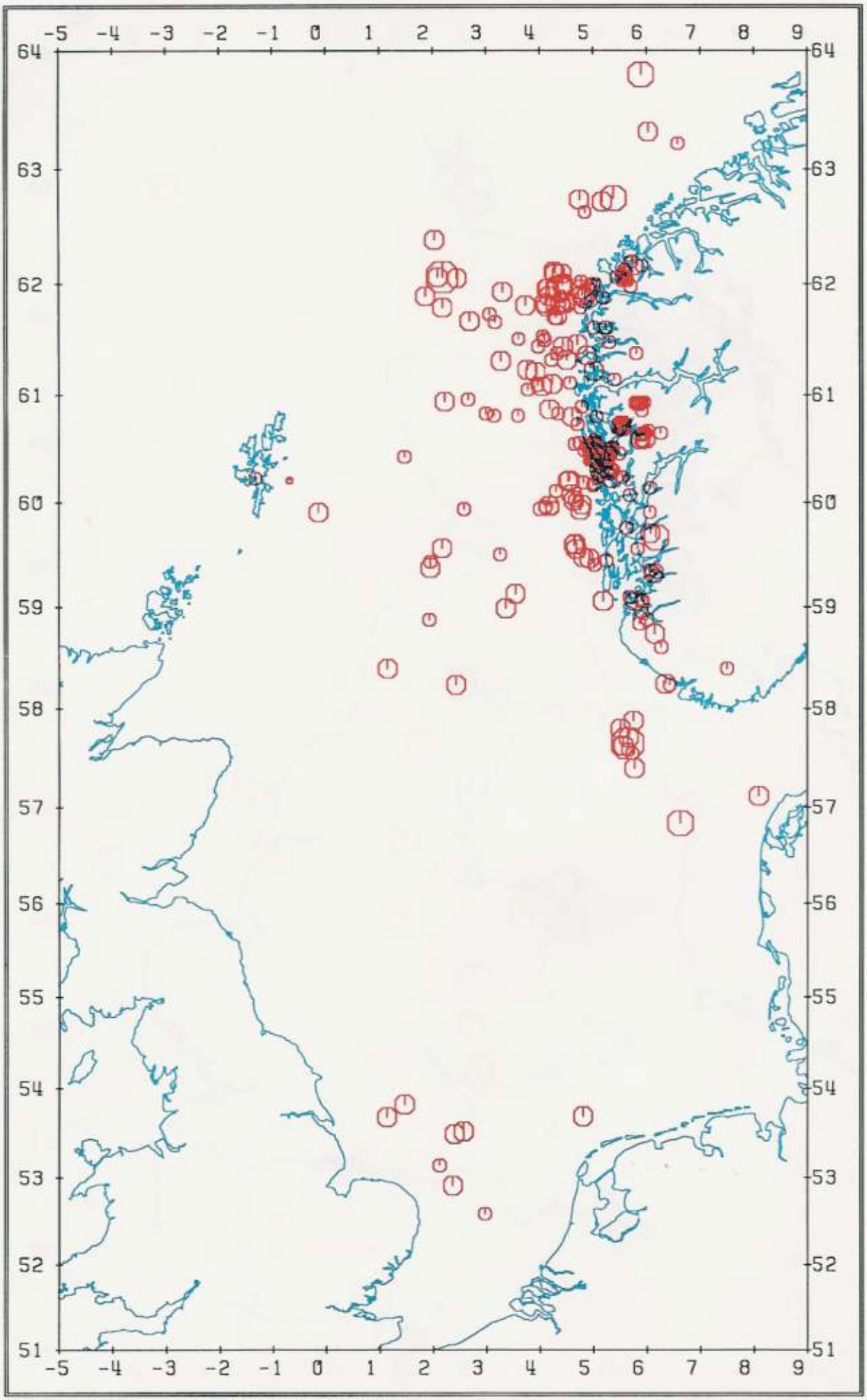
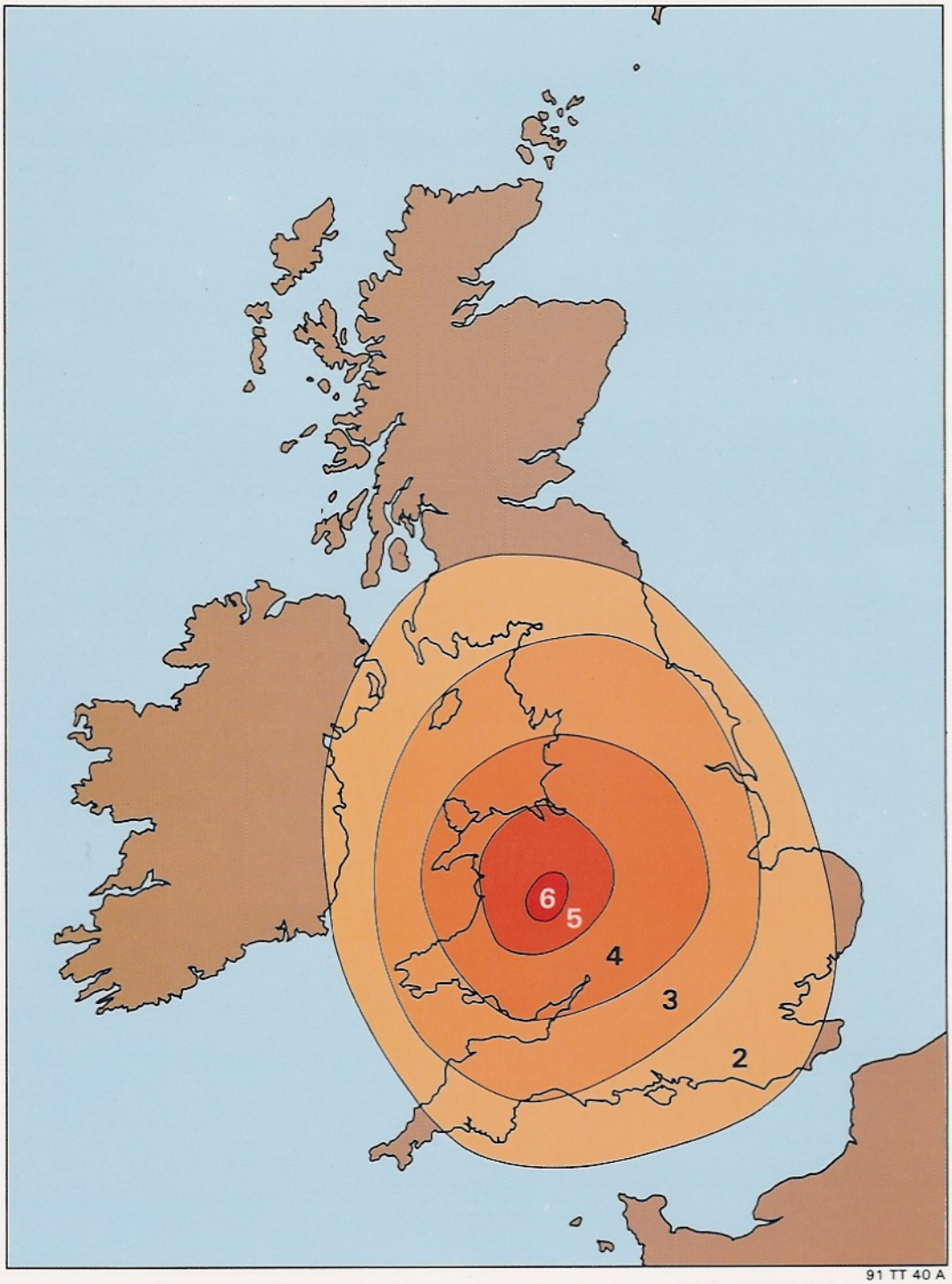


Fig.6 : Epicentres in the North Sea, 1990.

Natural Environment Research Council



91 TT 40 A

Bishop's Castle Earthquake 2nd April 1990, 13.46 GMT (5.1 ML) – MSK INTENSITIES