BRITISH GEOLOGICAL SURVEY

REPORT OR/08/048

Bulletin of British Earthquakes 2007

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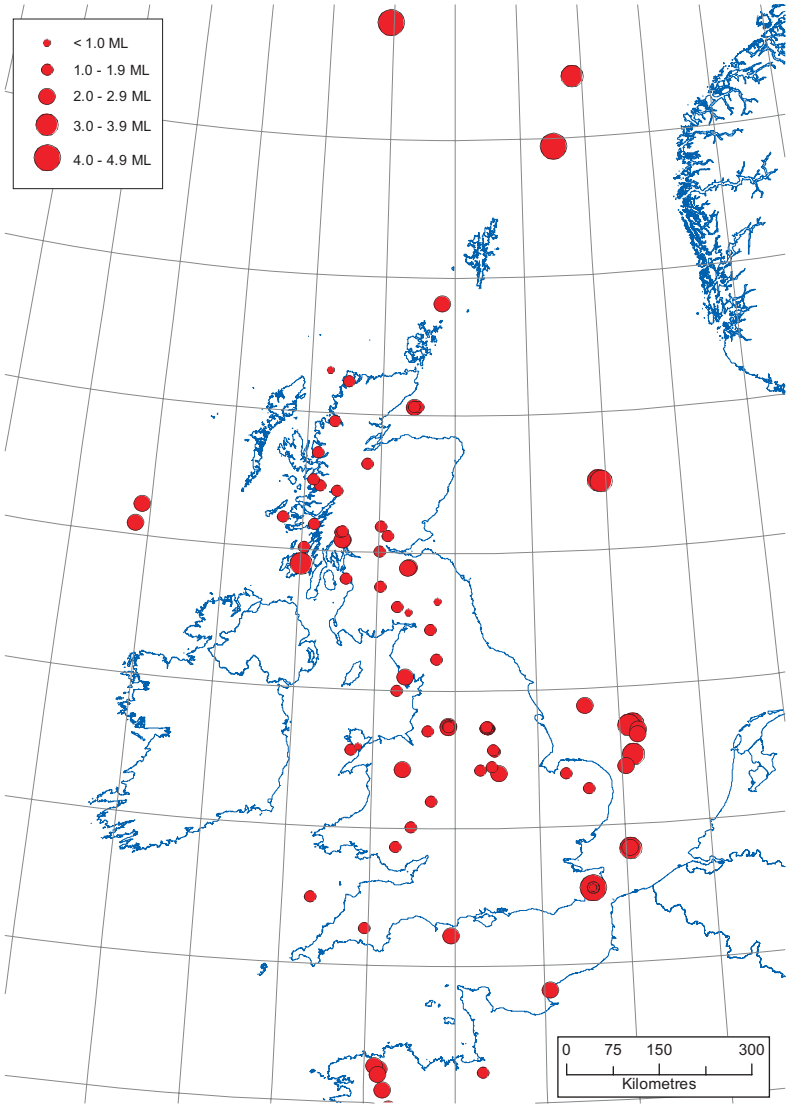

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Contents

FIGURES

TABLES

1 Introduction

The British Geological Survey's (BGS) Seismic Monitoring and Information Service operate a nationwide network of seismograph stations in the United Kingdom (UK). Earthquakes in the UK, and coastal waters, are detected within limits dependent on the distribution of seismograph stations. Location accuracy is improved in offshore areas through data exchange with neighbouring countries. This bulletin contains locations, magnitudes and phase data for all earthquakes detected and located by the BGS during 2007, listed in Tables 1 and 2. Maps showing seismic activity in 2007 (Figure 1), and the larger magnitude events since 1979 (ML> 2.5) and since 1970 (ML> 3.5) are also included. The bulletin covers all of the UK land mass and its coastal waters including the North Sea to 875 kmE and 1550 kmN.

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

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

2 The BGS UK Seismograph Network

The UK seismograph network consists of a number of sub-networks, which, in turn, consist of up to ten 'outstation' vertical seismometers radio-linked over distances of up to 100 km to a central site. Here, the data, along with that from a local 3-component set of two horizontal and one vertical seismometer, are recorded digitally by SDAS or the SEISLOG data acquisition system (Utheim and Havskov, 1993). The system records data continuously, but also creates event-triggered files. The sub-networks are accessed for data transfer to Edinburgh several times a day through Internet or dial-up modems. Once transferred, the events are analysed to determine location and magnitude. At a number of sites, low-gain vertical seismometers are installed to extend the dynamic range of the system (by 34 dB) to stronger motions, and low frequency microphones are used to aid the discrimination of sonic booms. In addition, strong motion accelerometers have been installed at locations throughout the country and record accelerations up to 0.1g. At present the seismic network is undergoing an upgrade with the installation of broadband seismometers that record with a larger dynamic range and over a wider frequency band. Data from these together with some short-period data is transmitted and processed at the central recording site in Edinburgh in real time. Operational seismograph stations in December 2007 are shown in Figure 2.

The detection capabilities of a network depend upon station distribution, instrument sensitivity and background noise levels. Figure 3 shows the magnitude detection thresholds for the seismograph stations operational in December 2007. The contours illustrate the lower threshold

magnitude for an earthquake to significantly exceed 4 nanometres of noise (average) at 10 Hz on at least four seismographs. These detection levels hold true only if data from all stations are continuously monitored. Small events may go undetected unless they are felt and reported to BGS by local inhabitants, so the detection capabilities of this process are strongly dependent on the population density.

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

Given the variability in the earthquake detection threshold, as governed by ambient noise conditions and the geometry of the observing network, the bulletin is biased towards certain localities.

Figure 4 shows only earthquakes with magnitude 2.5 ML or greater, in the period 1979 to 2007. The data set is considered complete for these magnitudes in all localities onshore. Seismicity for the period 1970 to 2007 is shown in Figure 5 with a threshold magnitude of 3.5 ML. This is the period covered by BGS instrumentation that, in the early years, only consisted of the network around Edinburgh (LOWNET) and Eskdalemuir (ESK) and a station near Kyle of Lochalsh (KYL). The data set is likely to be complete for such magnitudes.

3 Earthquake Parameters and Their Errors

EPICENTRE LOCATION

By accurately timing the signal onsets at a minimum of three stations, a location can be found for an earthquake that satisfies the observed pattern of arrivals. Instrumental locations in the bulletin were obtained using the computer program HYPOCENTER (Lienert and Havskov 1995) that iteratively adjusts a trial hypocentre (latitude, longitude, depth, and origin time) until the observed and computed arrival times coincide closely.

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

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. Depth is usually only well constrained when there is a station very close to the epicentre.

The best depth determinations are obtained when an earthquake or earthquake series occurs almost beneath a network. For events at larger distances the depth errors can be many kilometres. Where the depth error, ERZ in Table 1, is 0.0, this indicates that the depth has been fixed in the hypocentre calculation. This is the case for explosions, which are known to occur at the surface, and for events at larger distances, where depth control is poor.

MAGNITUDE

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

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

Where A is the maximum deflection (centre to peak in mm) registered 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 km, and later adjusted to include up to 600 km. Although Richter intended his method to be an approximate quantification of earthquake size and his attenuation term, Ao, strictly only applies to California, the formula is still used worldwide today. The ML magnitudes in this bulletin have been calculated according to Richter's formula after 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 is not possible, the mean of the magnitudes from a number of verticals are used. Ground motion registered at a seismograph varies with site conditions, distance and direction from the earthquake, and the nature of the ray path. Consequently, it is important to take the mean from a good distribution of stations. The resulting errors on magnitudes quoted in the bulletin will normally be less than 0.4 ML.

INTENSITY

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

4 Summary of 2007 Seismicity

There were 111 earthquakes located by the BGS seismic monitoring network during the year, with 38 having magnitudes of 2.0 ML or greater, twelve having magnitudes of 3.0 ML or greater and four having magnitudes of 4.0 ML or greater. Thirteen events with a magnitude of 2.0 ML or greater were reported felt, together with a further 23 smaller ones, bringing the total to 36 felt earthquakes in 2007.

The largest onshore earthquake of the year with a magnitude of 4.3 ML occurred in Folkestone, Kent on 28 April at 07:18 UTC, at a depth of about 5 km. BGS received a number of reports via the media, the Police and from a number of residents throughout Kent. Typical reports described "the shaking lasted for approximately 10 seconds, causing all our houses to shake", "the whole experience really scared me", "the whole house was shaking from the roof to the floor" and "a loud noise and then a shaking sensation woke me up". This earthquake was followed by 12 aftershocks with magnitudes between 0.8 and 1.7 ML. A macroseismic survey was launched on the BGS 'Earthquakes' web site, which yielded over 1,000 replies. The most distant felt reports were from Norwich approximately 175 km away and Bognor approximately 130 km away. The earthquake was felt over an area of 8,500 sq km for isoseismals 3-5. In parts of Folkestone, where the highest observed intensity was 6 EMS, many houses suffered minor structural damage to chimneys and walls. Data from a strong motion instrument, not located on bedrock, approximately 5 km from the epicentre suggests that peak ground acceleration (PGA) may have been as large as 0.1 g. While no previous earthquakes have been detected near Folkestone in instrumental times (since 1970), a few historical earthquakes are known to have occurred in the Dover Straits, namely a 5.8 ML earthquake in 1382, a 5.8 ML in 1580 and a 4.1 ML in 1776. A source mechanism for the earthquake was determined by inversion of regional broadband waveforms. The solution shows a strike slip mechanism with a normal component and either

right lateral movement on a WSW-ENE striking or left lateral movement on a NNW-SSE striking nodal plane. The NNW-SSE striking nodal plane matches the trend of the main faults affecting the Kent Coalfield.

The largest offshore earthquake occurred in the Norwegian Sea on 7 January, with a magnitude of 4.8 ML. It was located approximately 230 km northeast of Lerwick, Shetland Islands. The BGS received several reports from residents in the Shetland Islands which described, "my computer table rocked back and forth" and "the rattle was much more severe and prolonged than I have ever heard before" indicating an intensity of at least 3 EMS. On 28 January an earthquake with a magnitude of 4.0 ML was felt in southern Norway. It occurred in the eastern North Sea region, approximately 50 km southwest of the southern Norwegian Coast. A further 15 events occurred in the North Sea and surrounding waters during the year, with magnitudes ranging between 2.0 and 4.4 ML. Two of these events occurred in the Northern Atlantic Ocean, approximately 170 km northwest of Ireland, on 17 June and 21 July, with magnitudes of 2.2 and 2.7 ML, respectively. These are the first earthquakes in the area since a magnitude 2.9 ML event on 19 December 1986 and before that a 3.3 ML event on 13 April 1980.

Between 7 March and 19 April, sixteen events were recorded, with magnitudes ranging between 1.0 and 1.7 ML, in the Maltby area of South Yorkshire. The BGS received reports, for all the events, via Doncaster City Council and from residents in Maltby, typically describing "movement of the house which physically rocked" and "a faint rumbling". Their shallow depths (around 2 km) and characteristics of their seismograms are similar to previous activity in the area that was associated with mining.

An earthquake with a magnitude of 2.0 ML and at a depth of 15 km occurred on 8 July, with a location near Millom, Cumbria. The epicentre is approximately 30 km southeast of Sellafield and approximately 90 km south of Chapelcross.

A magnitude 2.6 ML earthquake occurred on 17 July, with an epicentre about 5 km northwest of Melton Mowbray, Leicestershire. The BGS received a single report from a resident of Kirkby Bellars (3 km south of the epicentre) describing, "a deep roaring noise, immediately followed by the house shaking and the windows rattling". It locates 8 km WSW of the magnitude 4.1 ML Melton Mowbray earthquake of 28 October 2001 which was widely felt in the region with a maximum intensity of 5 EMS.

Between 10 and 30 August, six earthquakes were detected in the Manchester area with magnitudes ranging between 1.4 and 2.5 ML. The BGS received reports for all six events via the Media and from residents in the Manchester and Stockport which typically described "the whole house shook and vibrated for a few seconds", "there was a sudden jolt", "the building shook violently" and "some people ran into the streets" indicating intensities of between 3 and 4 EMS. They were located in the same region as a series of around 150 events which occurred between October 2002 and January 2003. The largest event in that series, with a magnitude of 3.9 ML, occurred on 21 October 2003 and was felt throughout the region with intensities of at least 5 EMS.

On 17 September, an earthquake with a magnitude of 3.0 ML was detected 4 km southwest of the settlement of Craighouse, on the southern tip of the Isle of Jura, Argyll. The BGS received information from the local Media that it was felt on the Isle of Islay and on southern Jura. It locates 28 km south of a magnitude 3.5 ML earthquake on 3 May 1998, which was felt with intensities of 4 EMS in the area.

Two earthquakes, both with magnitudes of 2.3 ML, occurred in the Penicuik area of Midlothian on 30 November and 9 December. The BGS received several reports from residents in the area that described "the building shook violently", "we noticed a strong thump from beneath the floor" and "felt a rumbling which lasted no more than a second or two" indicating an intensity of at least 3 EMS. These are the largest earthquakes in the region since a similar magnitude 2.3 ML event, near Rosewell, on 21 December 1986, which was felt with intensities of 4 EMS.

On 30 November, a magnitude 2.9 ML earthquake occurred in the Llangollen region of North Wales. The BGS received many reports from as far away as Shrewsbury, 40 km to the southeast and from Ffestiniog, 45 km to the west-northwest, describing “a moderate shaking, enough to make windows rattle” and “we felt and heard a faint rumbling”. An intensity of 4 EMS was assigned to the earthquake. It is located in the same general region (within 20 km) as a magnitude 3.5 ML earthquake that occurred on 23 January 1974 near Bala, Gwynedd.

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Scottish Power
Scottish Water

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Dublin Institute for Advanced Studies (Dublin, Ireland)
GEUS (Geological Survey of Denmark and Greenland)
Institute de Physique du Globe (Paris, France)
Koninklijk Nederlands Meteorologisch Instituut (Ae de Bilt, Netherlands)
Laboratoire de Detection et de Geophysique (Bruyères-le-Châtel, France)
NORSAR (Oslo, Norway)
University of Bergen (Bergen, Norway)
University of Keele (Keele, UK)

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References

Grünthal, G.,(Ed) 1993. European Macroseismic scale 1992 (up-dated MSK-scale). Cahiers du Centre European de Geodynamique et de Seismologie. **Vol 7.**

Lienert, B.R.E., and Havskov, J., 1995. A computer program for locating earthquakes both locally and globally, *Seis. Res. Lett*., **66**, 26-36.

Richter, C., 1935. An instrumental earthquake magnitude scale, *Bull.Seism. Soc.Am.*,**25,** 1-32.

Utheim, T. and Havskov, J., 1993. The SEISLOG Data-Acquisition System. Guide to installation, maintenance and daily operation of the system, Version 5.0, last updated September 1993. University of Bergen, Institute of Solid Earth Physics, Seismological Observatory. Allegaten 41, 5007 Bergen, Norway.

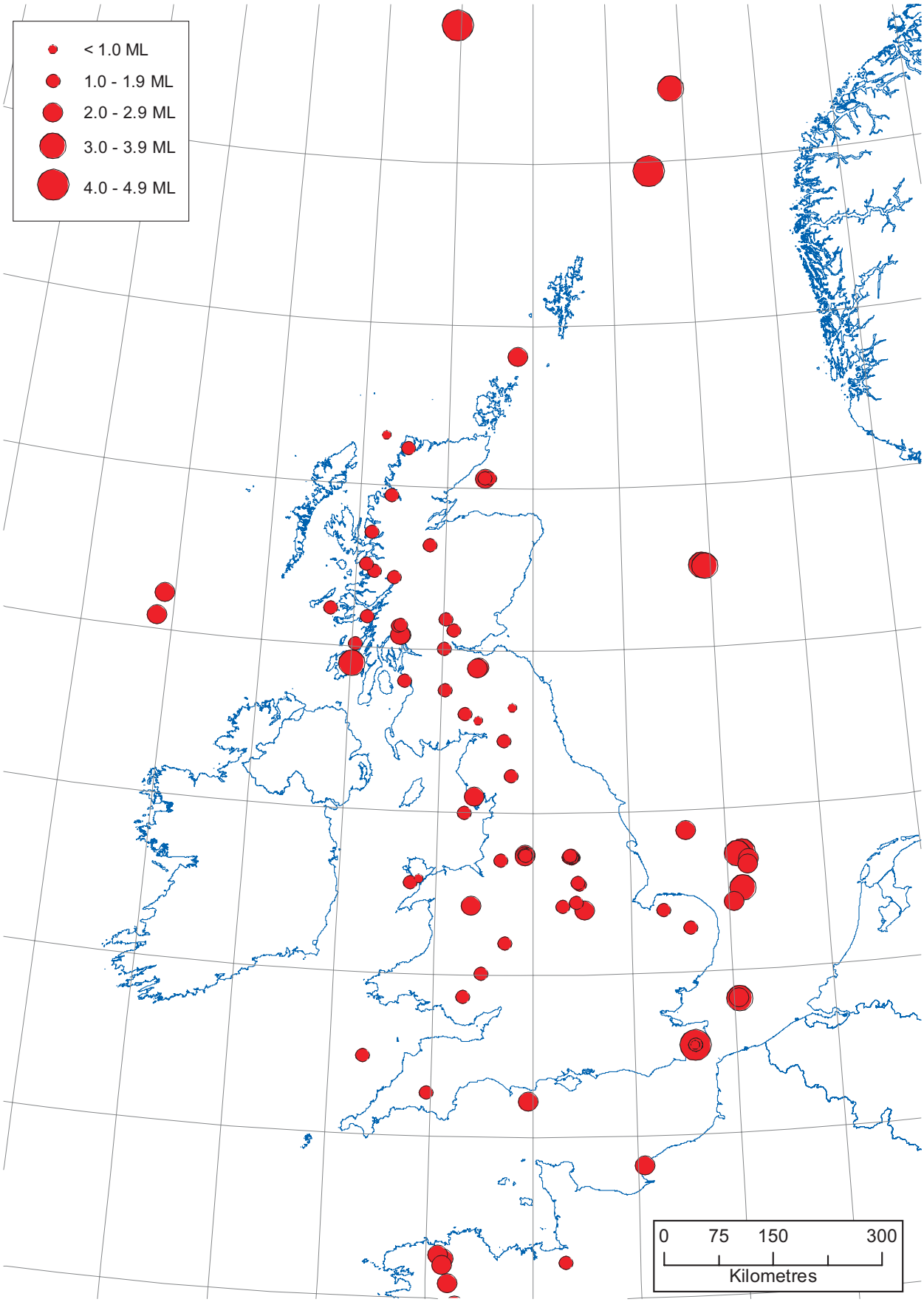

Figure 1. Epicentre map of earthquakes in 2007 as listed in Table 1.

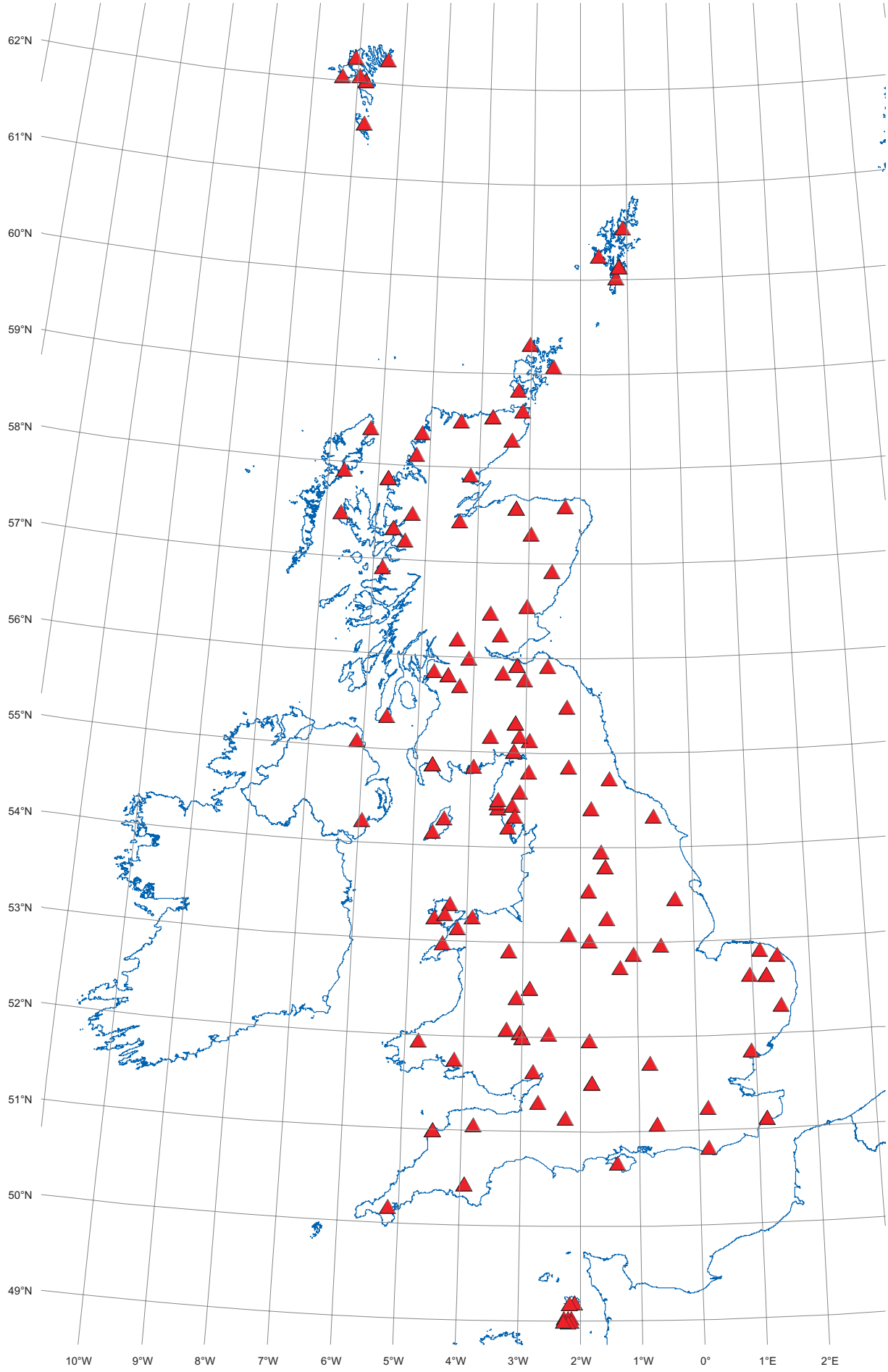

Figure 2. Seismograph network operational in December 2007.

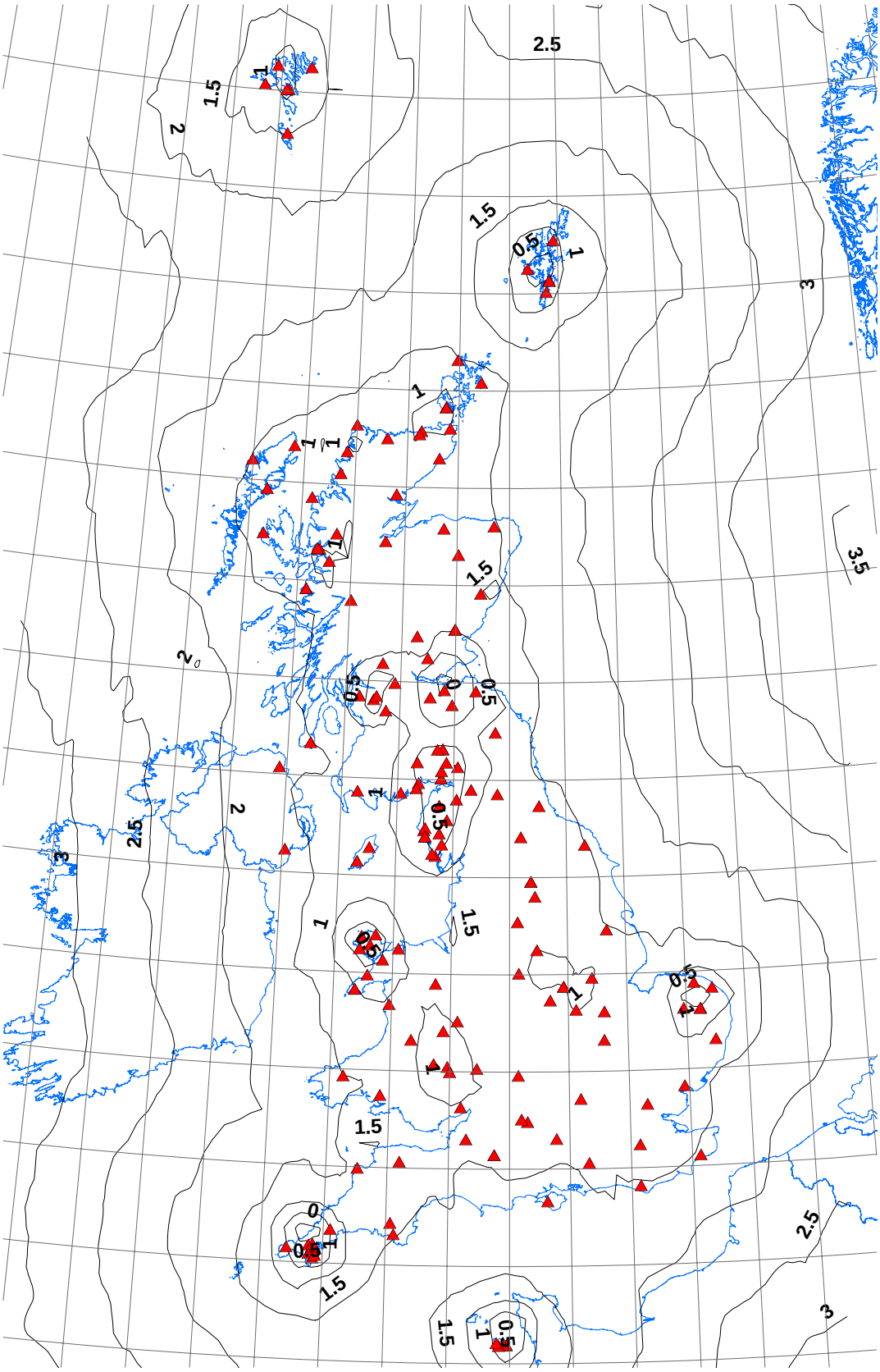

Figure3. Earthquake detection capability in December 2007. Contour values are for Richter local magnitude (ML) calculated for average background noise conditions (4nm) where the detection criterion is that the signal has to exceed 4nm at 10Hz at 4 stations.

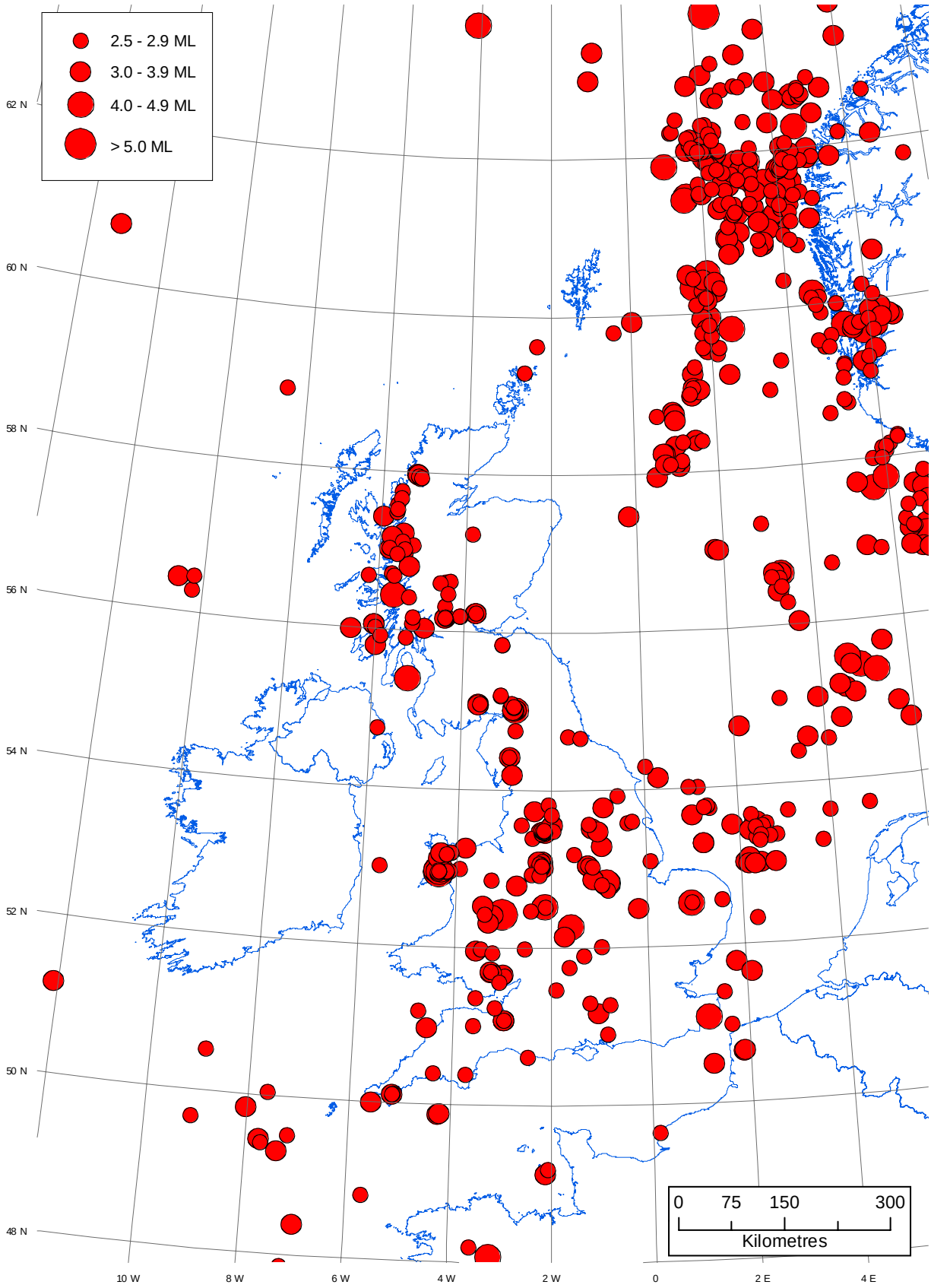

Figure 4. Epicentres of earthquakes with magnitudes of 2.5 ML and above, in the period 1979 to 2007.

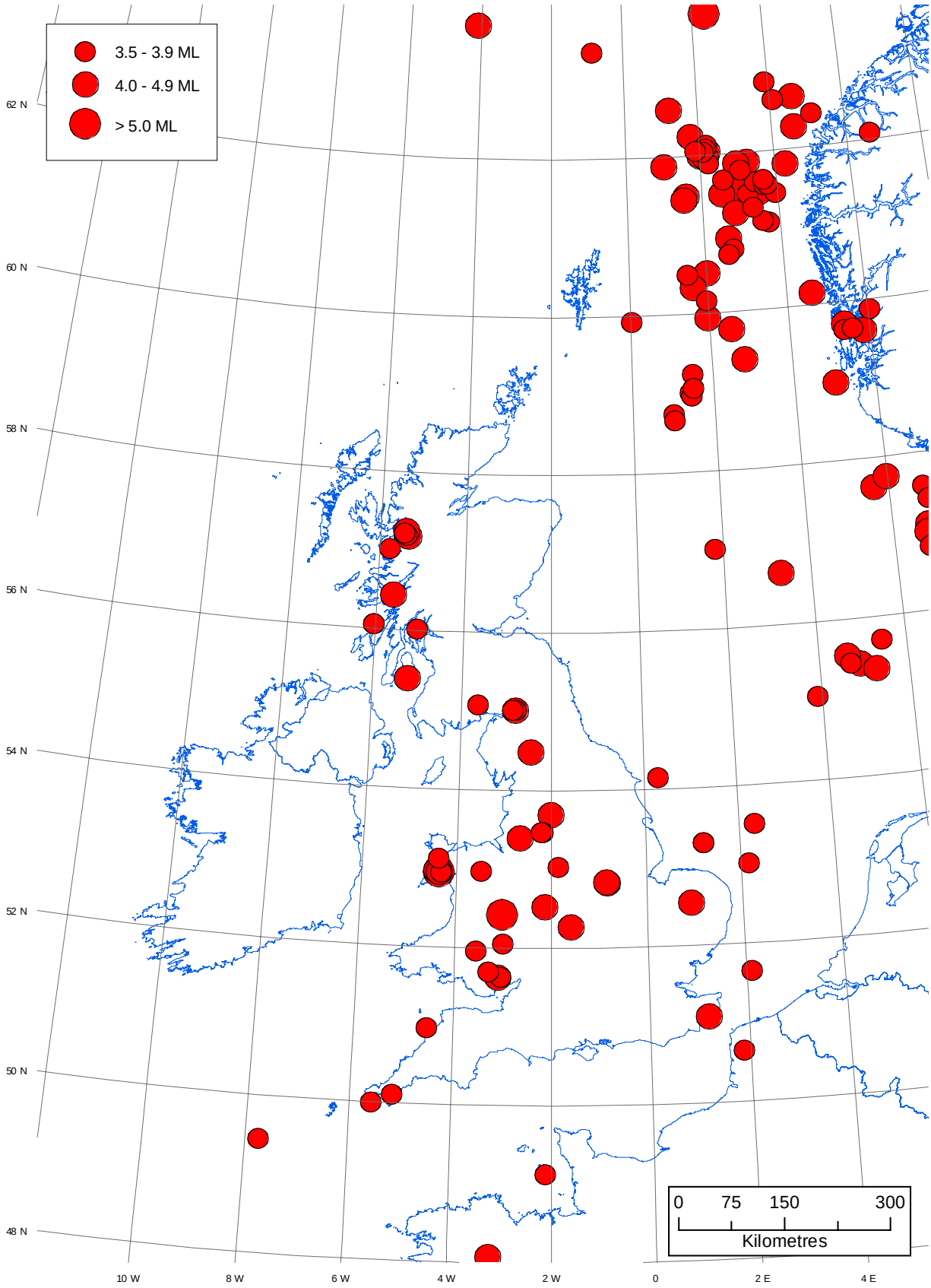

Figure 5. Epicentres of earthquakes with magnitudes of 3.5 ML and above, in the period 1970 - 2007.

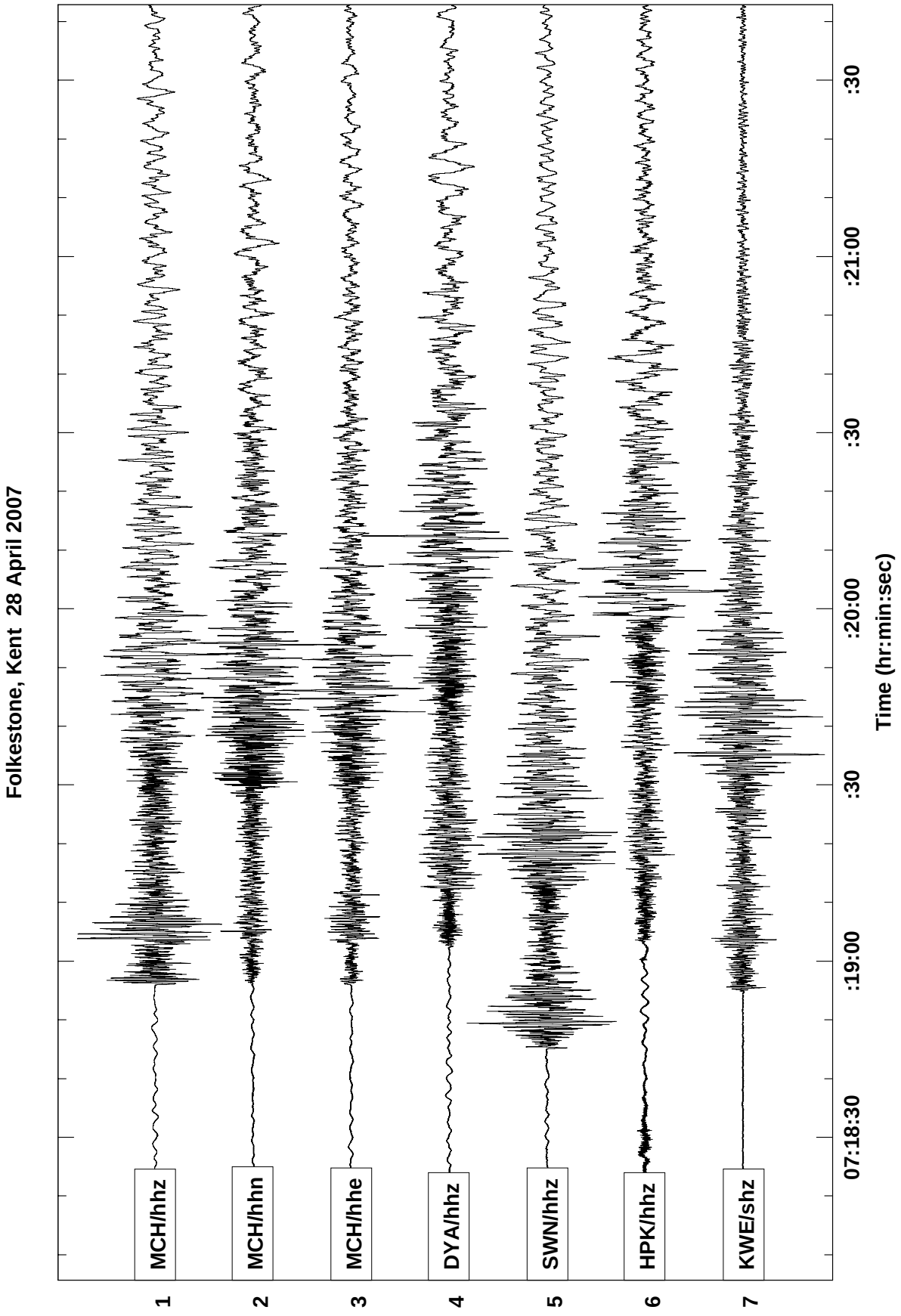

Figure 6. Seismograms of the ground displacement from the Folkestone earthquake, 28 April 2007, recorded by BGS seismograph stations.

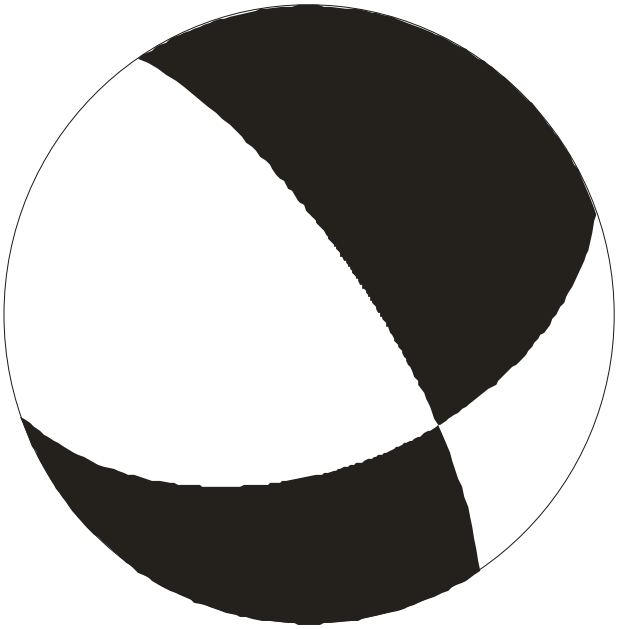

Figure 7. Focal mechanism for the Folkestone earthquake.

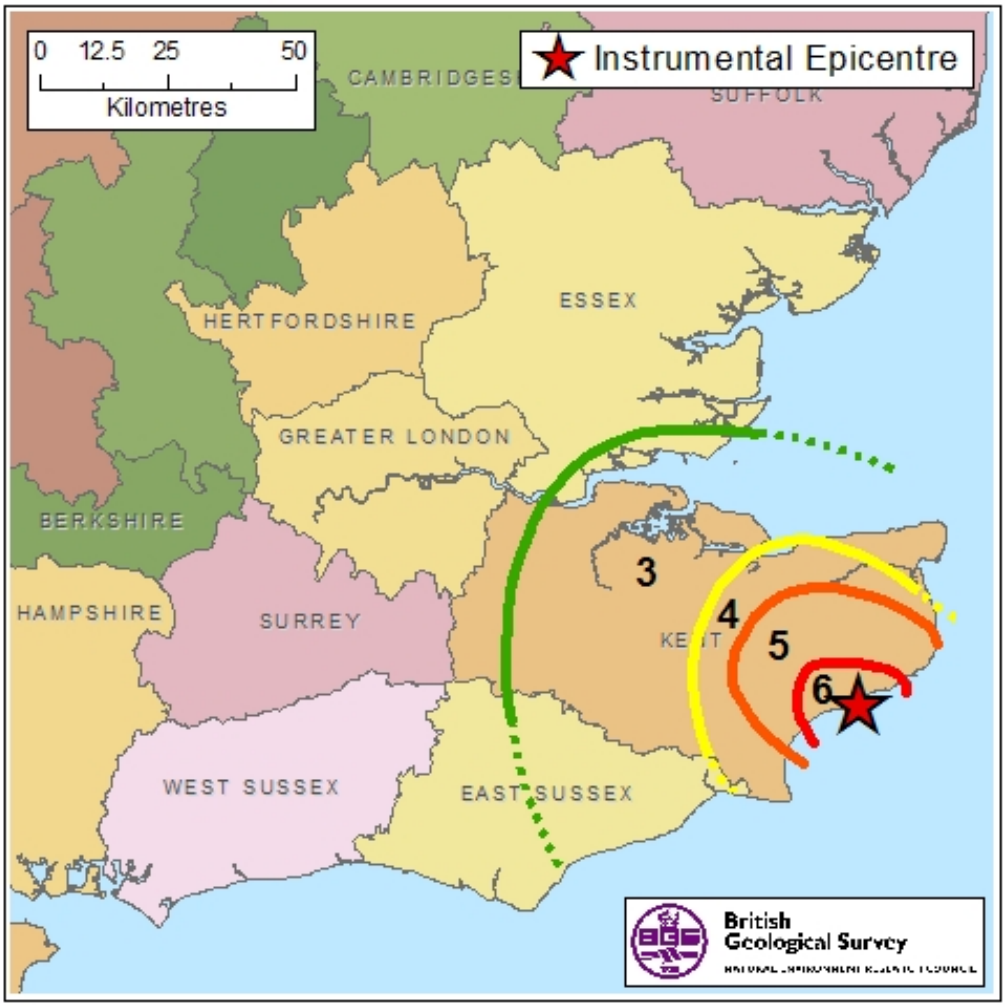

Figure 8. Isoseismal map for the Folkestone earthquake.

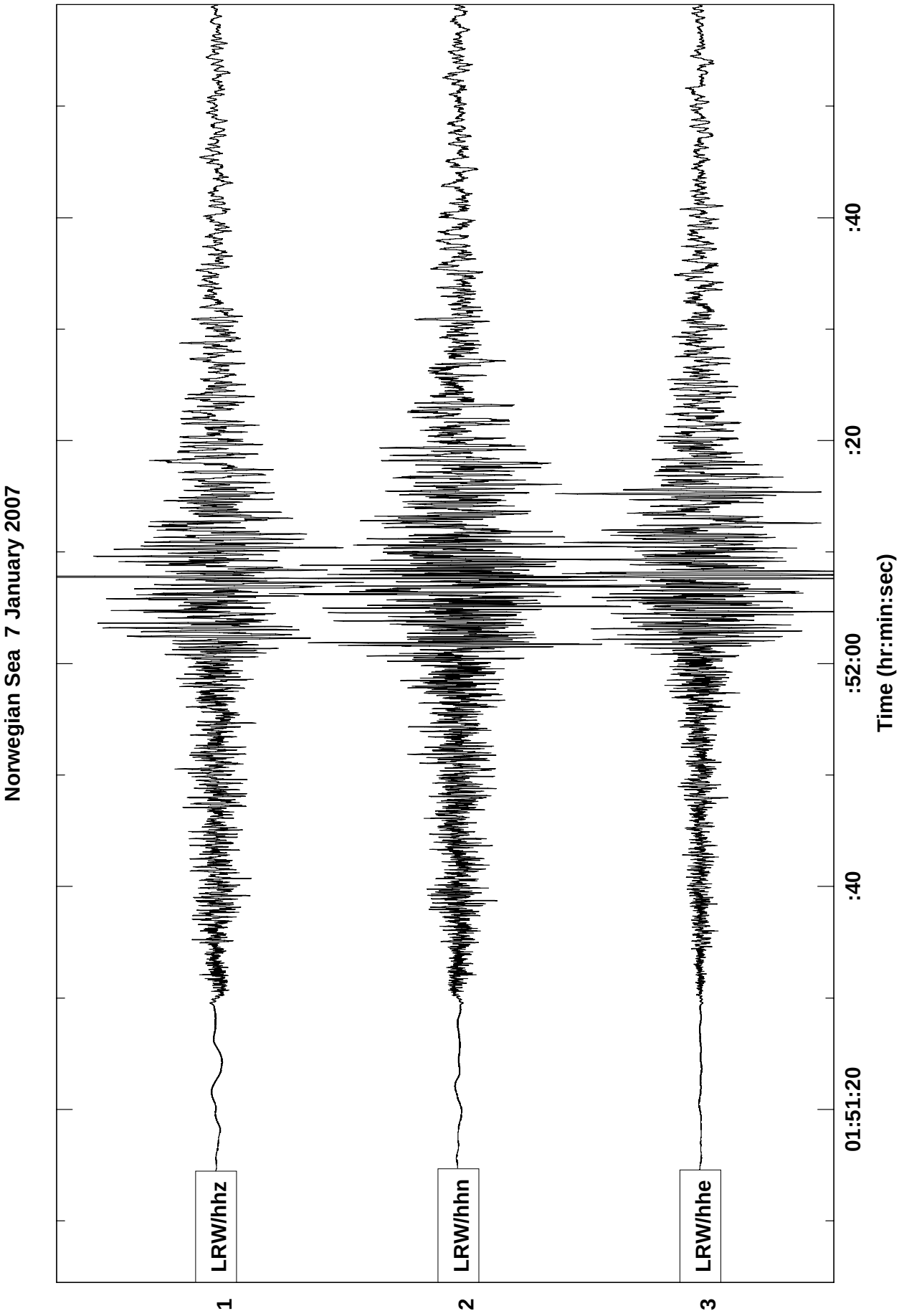

Figure 9. Seismograms of the ground displacement from the Norwegian Sea earthquake, 7 January 2007, recorded by BGS seismograph stations.

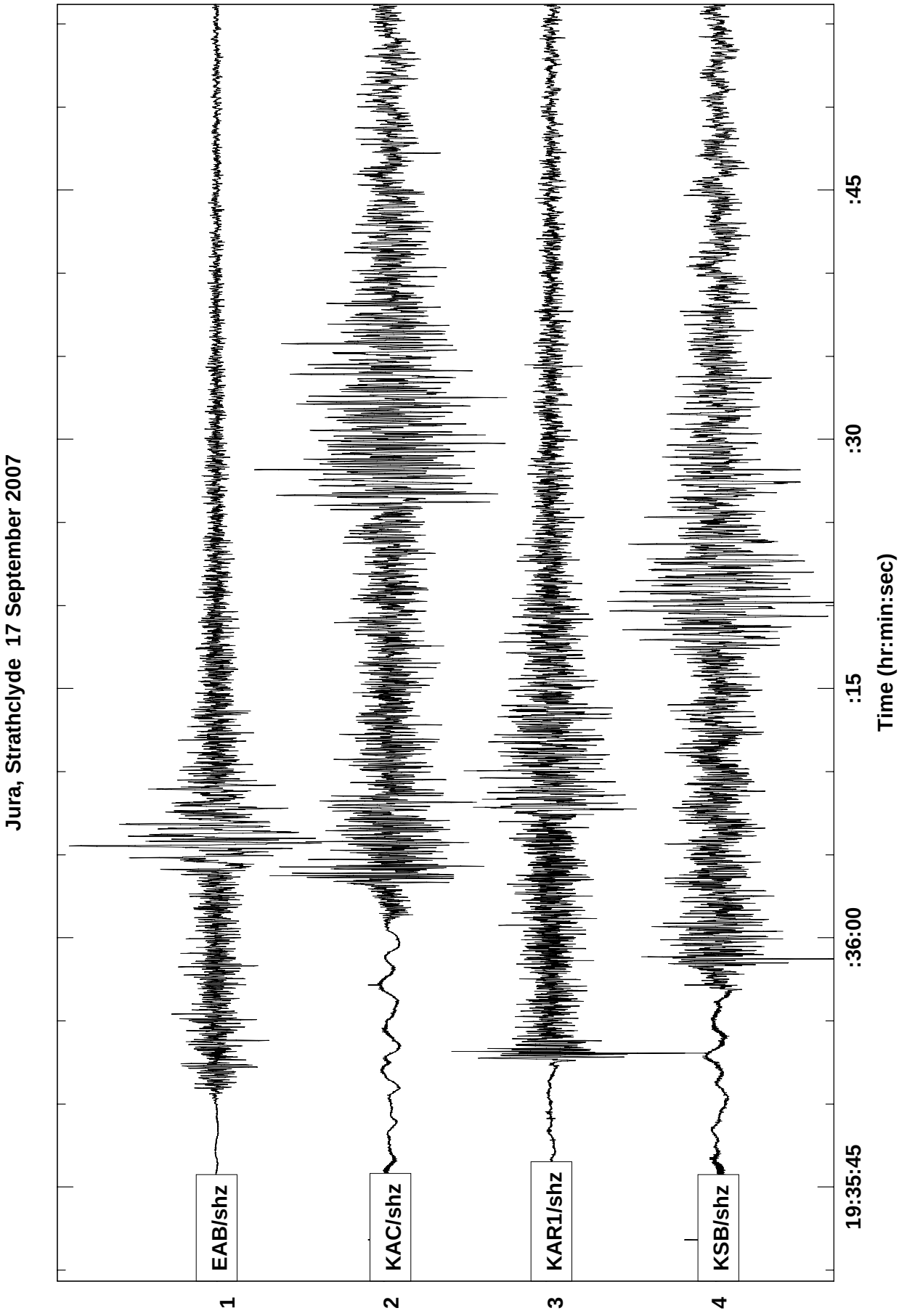

Figure 10. Seismograms of the ground displacement from the Jura earthquake, 17 September 2007, recorded by BGS seismograph stations.

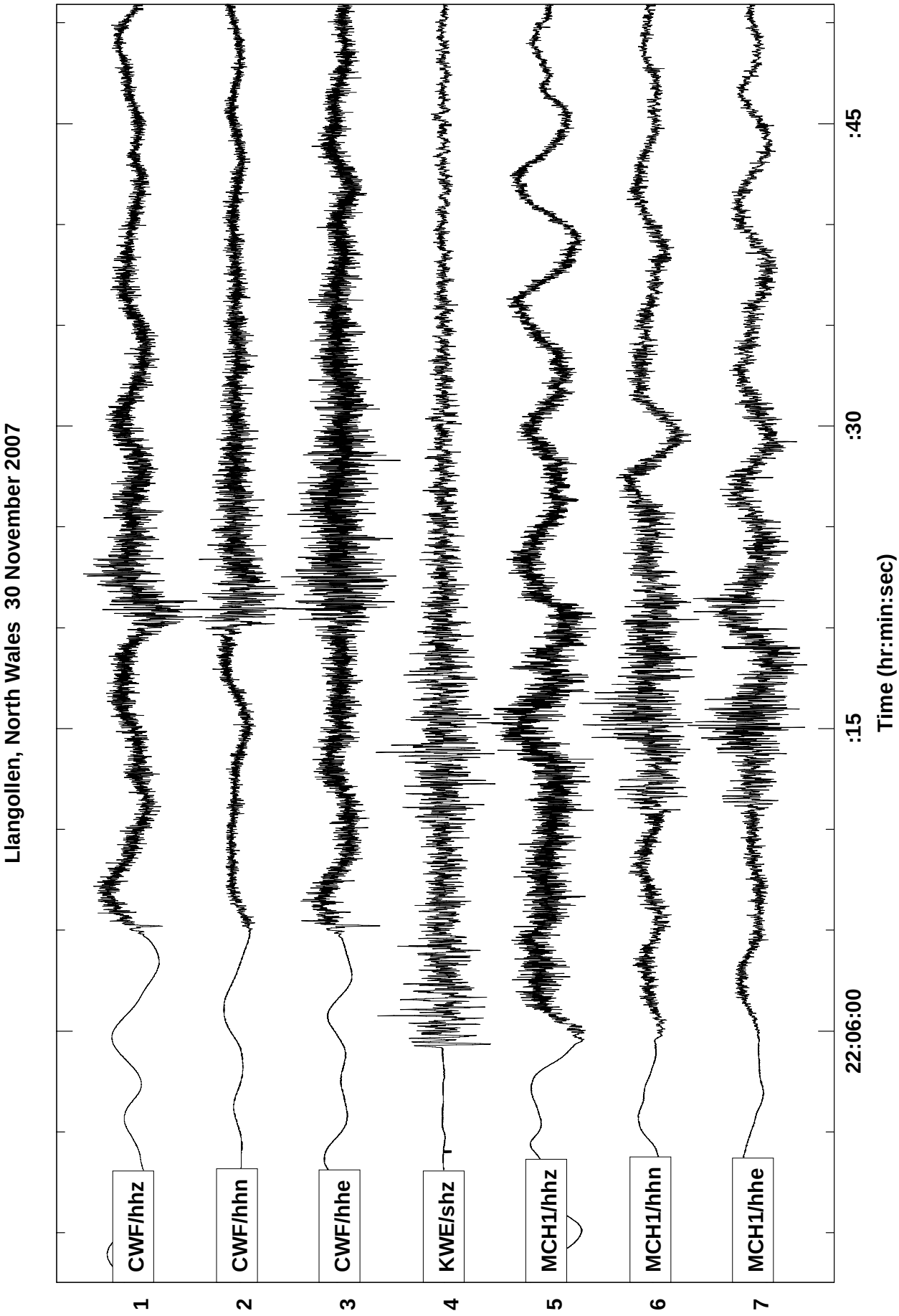

Figure 11. Seismograms of the ground displacement from the Llangollen earthquake, 30 November 2007, recorded by BGS seismograph stations.

TABLE 1 : CATALOGUE OF EVENTS : 2007

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20070107	015055.1	61.89	1.01	558.1	1338.1	10.0	4.8	NORWEGIAN SEA	3	49	159	1.00	13.87	0.00	FELT SHETLAND,NORWAY
20070117	004704.0	56.95	-5.61	180.6	789.6	5.3	1.4	LOCH MORAR,HIGHLAND	2	12	107	0.30	6.11	7.40	FELT LOCHAILORT
20070123	173254.6	51.66	2.10	683.7	203.2	15.0	3.5	SOUTHERN NORTH SEA		40	247	0.30	60.26	0.00	65KM OFFSHORE
20070125	215932.4	57.41	-5.69	178.1	841.3	7.0	2.4	APPLECROSS,HIGHLAND		16	88	0.30	4.31	2.90	
20070128	103055.7	57.75	5.96	872.8	901.3	19.7	4.4	EASTERN NORTH SEA	3	26	265	0.40	28.31	21.10	FELT SOUTHERN NORWAY
20070207	152959.1							SONIC-IRISH SEA	2						FELT ISLE OF MAN
20070214	212657.1	53.18	-4.37	242.0	367.2	8.8	0.2	CAERNARFON,GWYNEDD		5	117	0.10	1.66	4.80	7KM NW OF CAERNARFON
20070218	201003.3	56.18	-4.93	218.2	702.2	5.0	2.0	LOCHGOILHEAD,S'CLYDE	3	16	152	0.30	5.16	0.00	FELT LOCHGOILHEAD
20070218	201014.9	56.18	-4.94	217.3	702.3	5.0	2.3	LOCHGOILHEAD,S'CLYDE	3	17	115	0.40	6.46	0.00	FELT LOCHGOILHEAD
20070221	000552.6	63.70	-4.12	295.2	1537.2	10.0	4.0	NORWEGIAN SEA		19	300	0.40	23.60	0.00	230KM NE OF FAROES
20070302	014137.1	51.67	2.08	682.4	204.8	15.0	2.0	SOUTHERN NORTH SEA		6	252	0.50	34.43	0.00	
20070304	022137.7	57.88	-5.29	204.7	893.1	5.1	1.0	ULLAPOOL,HIGHLAND		10	84	0.20	3.35	5.30	8KM WEST OF ULLAPOOL
20070304	201717.9	50.45	-2.09	393.3	61.4	5.2	2.0	OFFSHORE SWANAGE		6	304	0.40	8.69	8.60	
20070306	114117.5	52.02	-3.06	327.2	235.8	23.7	1.4	HAY-ON-WYE,HER & WOR		6	139	0.30	12.11	4.40	10KM SE OF HAY-ON-WYE
20070307	053631.0	53.45	-1.22	451.8	394.8	2.6	1.7	MALTBY,S YORKSHIRE	2	18	133	0.40	12.53	5.70	C/F,FELT MALTBY AREA
20070308	023117.2	53.46	-1.24	450.6	395.8	1.0	1.7	MALTBY,S YORKSHIRE	2	25	132	0.50	12.75	5.80	C/F,FELT MALTBY AREA
20070309	160022.6	53.45	-1.21	452.2	394.8	2.5	1.6	MALTBY,S YORKSHIRE	2	15	207	0.60	18.87	12.00	C/F,FELT MALTBY AREA
20070314	165413.9	53.46	-1.25	449.5	396.0	1.3	1.7	MALTBY,S YORKSHIRE	2	8	204	0.30	11.28	4.50	C/F,FELT MALTBY AREA
20070317	015607.5	53.46	-1.19	453.6	395.8	2.6	1.6	MALTBY,S YORKSHIRE	2	14	212	0.40	18.92	10.70	C/F,FELT MALTBY AREA
20070319	053129.2	53.46	-1.20	453.4	395.8	2.3	1.5	MALTBY,S YORKSHIRE	2	11	223	0.60	19.42	11.10	C/F,FELT MALTBY AREA
20070320	130343.8	53.46	-1.25	449.9	396.3	1.6	1.4	MALTBY,S YORKSHIRE	2	6	260	0.00	5.72	3.50	C/F,FELT MALTBY AREA
20070321	092633.9	53.45	-1.23	451.5	395.4	1.7	1.7	MALTBY,S YORKSHIRE	2	15	209	0.30	15.34	6.10	C/F,FELT MALTBY AREA
20070322	020542.8	53.46	-1.24	450.5	396.3	2.6	1.2	MALTBY,S YORKSHIRE	2	9	208	0.30	12.08	4.80	C/F,FELT MALTBY AREA
20070322	022314.3	59.63	-2.37	379.1	1082.9	15.5	2.7	OFFSHORE ORKNEY ISLES		13	173	0.80	39.88	45.90	80KM NNE OF KIRKWALL
20070323	013759.0	53.46	-1.23	451.1	396.2	2.6	1.6	MALTBY,S YORKSHIRE	2	16	206	0.40	18.18	7.40	C/F,FELT MALTBY AREA
20070323	085042.8	50.54	-4.10	251.5	73.7	5.2	1.2	TAVISTOCK,DEVON		7	111	0.50	20.12	33.90	
20070327	153737.9	53.48	-1.21	452.3	398.0	1.9	1.3	MALTBY,S YORKSHIRE	2	7	211	0.60	26.28	12.80	C/F,FELT MALTBY AREA
20070329	225915.0	53.45	-1.22	451.6	395.4	2.6	1.4	MALTBY,S YORKSHIRE	2	12	209	0.50	15.36	6.00	C/F,FELT MALTBY AREA
20070330	081558.0	53.76	1.17	608.9	434.3	9.5	2.3	SOUTHERN NORTH SEA		13	227	0.40	24.86	17.60	
20070404	010858.2	53.46	-1.27	448.2	396.1	2.3	1.0	MALTBY,S YORKSHIRE	2	11	203	0.30	10.67	4.50	C/F,FELT MALTBY AREA
20070405	130940.5	53.46	-1.27	448.6	396.2	2.6	1.1	MALTBY,S YORKSHIRE	2	12	203	0.50	19.30	8.10	C/F,FELT MALTBY AREA
20070412	232243.3	53.46	-1.26	448.9	396.5	2.3	1.1	MALTBY,S YORKSHIRE	2	11	203	0.30	14.32	5.90	C/F,FELT MALTBY AREA
20070419	101828.0	53.47	-1.26	449.3	397.8	2.6	1.4	MALTBY,S YORKSHIRE	2	6	194	0.30	11.16	6.90	C/F,FELT MALTBY AREA
20070423	005813.0	58.63	-5.48	198.1	976.2	8.0	0.9	THE MINCH		5	273	0.30	28.29	65.20	25KM W OF CAPE WRATH
20070423	095140.2	57.03	-5.79	170.0	799.4	2.6	1.1	MALLAIG,HIGHLAND		10	121	0.50	10.43	6.10	
20070424	040806.2	54.00	-3.47	303.9	457.3	5.0	1.5	IRISH SEA		14	64	0.30	3.14	0.00	
20070428	071812.5	51.10	1.17	621.8	138.5	5.3	4.3	FOLKESTONE,KENT	6	124	86	0.70	10.80	0.00	FELT THROUGHOUT KENT
20070428	072055.6	51.10	1.17	621.8	138.5	5.3	1.7	FOLKESTONE,KENT		2	347	8.20	0.00	0.00	
20070428	072401.9	51.10	1.17	621.8	138.5	5.3	1.1	FOLKESTONE,KENT		2	304	5.60	0.00	0.00	
20070428	084052.4	51.10	1.17	621.8	138.5	5.3	1.0	FOLKESTONE,KENT		1	360	0.10	0.00	0.00	

TABLE 1 : CATALOGUE OF EVENTS : 2007

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20070428	111100.7	51.10	1.17	621.8	138.5	5.3	1.7	FOLKESTONE,KENT		2	304	5.50	0.00	0.00	
20070428	152830.6	51.10	1.17	621.8	138.5	5.3	0.9	FOLKESTONE,KENT		1	360	0.00	0.00	0.00	
20070429	065105.5	51.10	1.17	621.8	138.5	5.3	1.4	FOLKESTONE,KENT		2	304	5.60	0.00	0.00	
20070429	131717.6	51.10	1.17	621.8	138.5	5.3	0.8	FOLKESTONE,KENT		1	360	0.00	0.00	0.00	
20070501	073614.9	51.10	1.17	621.8	138.5	5.3	1.4	FOLKESTONE,KENT		1	360	0.10	0.00	0.00	
20070502	215014.9	51.10	1.17	621.8	138.5	5.3	1.5	FOLKESTONE,KENT		1	360	0.10	0.00	0.00	
20070502	215108.2	51.10	1.17	621.8	138.5	5.3	1.4	FOLKESTONE,KENT		1	360	0.10	0.00	0.00	
20070504	014740.3	55.14	-3.19	324.3	583.6	2.6	0.9	LOCKERBIE,D & G		9	292	0.30	27.38	22.40	8KM EAST OF LOCKERBIE
20070504	070123.5	51.10	1.17	621.8	138.5	5.3	1.3	FOLKESTONE,KENT		2	304	5.60	0.00	0.00	
20070505	050918.9	51.10	1.17	621.8	138.5	5.3	1.2	FOLKESTONE,KENT		3	310	0.30	0.00	0.00	
20070528	052707.8	53.37	2.44	695.6	395.3	5.0	2.5	SOUTHERN NORTH SEA		7	300	0.40	27.30	0.00	
20070604	173445.9	57.01	1.81	631.2	797.4	5.0	3.9	CENTRAL NORTH SEA	3	74	45	0.60	4.84	0.00	FELT NORTH SEA OILRIG
20070609	130307.3	56.28	-5.01	213.6	713.8	8.7	1.6	INVERARAY,STRATHCLYDE		12	152	0.40	10.24	8.30	
20070617	220639.7	56.18	-10.34	-116.9	729.8	15.0	2.2	NORTHERN ATLANTIC		12	287	0.40	37.88	10.00	160KM NW OF IRELAND
20070630	000613.2	53.41	-2.69	354.4	391.0	11.0	1.6	ST HELENS,MERSEYSIDE		13	107	0.60	8.50	8.80	
20070630	014918.6	51.73	-3.42	302.0	204.3	7.5	1.3	ABERDARE,MID GLAMORGAN		10	142	0.30	5.82	10.70	
20070704	173422.1	52.40	-2.58	360.5	278.2	12.7	1.5	LUDLOW,SHROPSHIRE		11	70	0.40	6.69	6.20	10KM EAST OF LUDLOW
20070708	200428.2	54.21	-3.26	318.0	480.4	16.6	2.0	MILLOM,CUMBRIA		16	92	0.40	5.85	8.00	
20070709	035633.0	52.55	1.19	616.2	300.1	8.4	1.5	WYMONDHAM,NORFOLK		4	210	0.30	22.11	5.30	7KM SW OF WYMONDHAM
20070710	062948.1	55.60	-4.82	222.7	638.2	11.8	1.2	FIRTH OF CLYDE		10	209	0.40	12.37	8.00	8KM WEST OF IRVINE
20070715	141000.1	53.12	-1.06	462.9	359.1	2.3	1.3	BILSTHORPE,NOTTS		10	249	0.20	16.42	8.50	
20070715	143005.8	53.14	-1.09	460.7	361.0	2.9	1.1	BILSTHORPE,NOTTS		8	218	0.30	18.79	10.80	
20070716	052731.3	53.46	2.32	686.9	404.4	10.0	3.0	SOUTHERN NORTH SEA		25	245	0.90	21.88	0.00	180KM EAST OF HULL
20070717	171744.6	52.80	-0.96	470.3	323.2	2.6	2.6	MELTON MOWBRAY,LEICS	3	16	116	0.30	3.71	3.10	FELT KIRKBY BELLARS
20070718	003032.9	56.88	-5.14	208.5	780.9	2.3	1.3	FORT WILLIAM,HIGHLAND		15	108	0.30	5.87	4.80	
20070719	180727.1	55.31	-2.46	371.1	601.4	2.3	0.7	BYRNESS,NORTHUMBERLAND		10	131	0.30	5.37	5.40	
20070721	064046.6	56.47	-10.23	-106.2	761.2	10.0	2.7	NORTHERN ATLANTIC		27	276	0.40	10.47	0.00	160KM NW OF IRELAND
20070724	010119.0	57.00	1.88	635.5	797.0	5.0	3.2	CENTRAL NORTH SEA		51	146	0.50	6.52	0.00	CENTRAL GRABEN
20070724	131109.3	52.85	-1.41	439.5	327.9	4.9	1.6	MELBOURNE,DERBYSHIRE		8	159	0.30	6.89	8.00	8KM SSE OF DERBY
20070724	204727.5	57.42	-5.71	177.1	842.7	7.0	1.1	APPLECROSS,HIGHLAND		6	156	0.20	7.84	5.30	
20070727	032813.5	57.29	-4.37	257.3	824.2	4.3	1.5	ERROGIE,HIGHLAND		8	84	0.40	7.00	12.10	20KM SW OF INVERNESS
20070801	041343.8	56.46	-6.53	120.9	739.3	12.2	1.4	OFF ISLE OF MULL		8	270	0.40	29.68	12.40	
20070801	203149.7	49.65	0.13	553.9	-25.9	5.0	2.6	NORTHERN FRANCE		20	230	0.60	12.54	0.00	
20070810	105011.0	53.49	-2.17	388.4	399.9	4.0	2.5	MANCHESTER	4	20	100	0.30	4.56	7.80	FELT MANCHESTER...
20070810	122559.0	53.50	-2.12	391.9	400.2	5.4	1.6	MANCHESTER	3	11	128	0.40	8.07	9.70	FELT MANCHESTER
20070823	013510.4	53.49	-2.20	387.0	399.3	3.6	1.7	MANCHESTER	3	12	129	0.30	4.60	4.20	FELT MANCHESTER
20070823	052626.1	53.49	-2.17	388.4	398.9	3.2	1.8	MANCHESTER	3	13	92	0.20	3.05	4.90	FELT MANCHESTER
20070823	053448.2	53.48	-2.18	387.9	397.9	3.4	1.4	MANCHESTER	3	7	132	0.40	8.10	7.90	FELT MANCHESTER
20070826	135436.6	56.38	-3.95	279.7	722.6	2.6	1.4	CRIEFF,TAYSIDE	2	13	70	0.30	4.47	4.50	FELT COMRIE
20070828	025748.1	56.24	-3.77	290.3	706.9	4.9	1.5	BLACKFORD,TAYSIDE	2	13	84	0.20	3.88	6.20	FELT GLENDEVON
20070830	044635.5	53.48	-2.18	388.2	398.4	4.5	2.2	MANCHESTER	3	17	99	0.30	3.14	5.30	FELT MANCHESTER
20070830	190259.6	48.44	-3.46	291.8	-161.7	10.0	2.1	NORTHERN FRANCE		5	317	0.20	5.74	0.00	
20070830	222430.5	52.86	2.10	676.2	336.9	5.0	2.0	SOUTHERN NORTH SEA		6	318	0.50	24.99	0.00	

TABLE 1 : CATALOGUE OF EVENTS : 2007

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20070905	094500.0							SONIC-EAST KENT	2	4					FELT EAST KENT
20070912	064450.7	56.38	-5.71	171.1	727.4	5.5	1.3	MULL,STRATHCLYDE		9	229	0.30	14.34	10.10	
20070917	153902.7	52.89	-1.12	458.9	333.1	10.5	1.9	KEYWORTH,NOTTS		15	105	0.40	6.36	3.10	3KM NW OF KEYWORTH
20070917	193532.3	55.80	-5.99	149.8	663.8	19.4	3.0	JURA,STRATHCLYDE	3	28	168	0.50	9.09	7.50	FELT JURA,ISLAY...
20070919	223447.2	52.78	0.65	579.0	323.7	7.8	1.4	SWAFFHAM,EAST ANGLIA		5	154	0.20	9.69	19.10	15KM N OF SWAFFHAM
20070926	183349.8	53.45	2.23	680.6	402.6	10.0	3.3	SOUTHERN NORTH SEA		18	272	0.50	22.72	0.00	
20070928	050834.7	53.31	2.43	695.0	388.6	10.0	2.7	SOUTHERN NORTH SEA		12	300	0.40	20.21	0.00	
20070929	212941.4	56.03	-5.93	155.0	689.2	7.5	1.4	JURA,STRATHCLYDE		7	218	0.30	7.22	7.30	
20071001	090510.4	54.46	-2.48	368.7	507.3	7.8	1.0	ORTON,CUMBRIA		5	312	0.30	22.08	0.00	5KM EAST OF ORTON
20071004	023925.0	56.29	-4.96	216.6	714.4	7.1	1.6	INVERARAY,STRATHCLYDE		20	149	0.40	5.64	5.30	
20071005	073301.3	53.02	2.29	687.5	355.6	10.0	3.4	SOUTHERN NORTH SEA		30	243	1.00	19.54	0.00	
20071008	035026.1	48.20	-3.60	281.2	-188.0	10.0	2.6	NORTHERN FRANCE		11	287	0.20	5.08	0.00	
20071009	035805.1	48.50	-3.68	275.9	-154.0	10.0	2.0	NORTHERN FRANCE		6	299	0.40	15.81	0.00	
20071012	093415.7	51.40	1.40	636.7	172.7	0.0	2.3	EXPL-MARGATE,KENT	2	10	215	0.40	22.42	0.00	FELT MARGATE
20071014	232130.3	48.55	-3.78	268.4	-148.6	10.0	2.0	NORTHERN FRANCE		6	357	0.30	144.25	0.00	
20071014	233305.3	48.42	-3.71	273.4	-163.1	10.0	2.2	NORTHERN FRANCE		6	302	0.40	18.64	0.00	
20071023	171511.9	55.22	-3.48	305.8	593.0	5.0	1.1	JOHNSTONEBRIDGE,D & G		13	113	0.40	5.56	7.30	
20071027	063056.2	62.89	1.72	589.0	1451.6	8.5	3.1	NORTHERN NORTH SEA		6	238	0.70	33.45	23.30	
20071028	032743.9	58.47	-4.96	227.6	957.1	4.7	1.7	KINLOCHBERVIE,HIGHLAND		11	221	0.40	10.37	8.50	
20071031	141825.1	55.51	-3.94	277.8	625.2	6.7	1.1	DOUGLAS,STRATHCLYDE		11	100	0.30	4.03	11.70	
20071102	100303.8	56.01	-3.97	277.1	681.5	2.1	1.0	DENNY,CENTRAL		10	76	0.20	4.00	7.40	
20071103	122326.8	51.40	1.42	637.5	172.3	0.0	2.3	EXPL-MARGATE,KENT	2	20	217	0.90	39.17	0.00	FELT MARGATE
20071109	091435.2	58.13	-3.04	338.9	916.1	8.2	1.7	MORAY FIRTH		7	236	0.40	26.48	0.00	35KM E OF HELMSDALE
20071114	170837.4	58.12	-3.12	333.8	915.6	5.0	2.4	MORAY FIRTH		16	147	0.50	10.66	0.00	30KM E OF HELMSDALE
20071114	193512.4	58.12	-3.15	332.5	915.5	7.0	1.0	MORAY FIRTH		3	218	0.20	11.44	0.00	30KM E OF HELMSDALE
20071124	144131.6	53.13	-4.54	230.0	361.9	5.2	1.9	CAERNARFON BAY		16	196	0.30	6.87	3.50	
20071124	214414.4	50.97	-5.36	164.3	124.5	11.1	1.5	OFF HARTLAND POINT		5	294	0.30	16.34	11.00	
20071130	170856.7	55.80	-3.20	324.7	657.3	5.9	2.3	PENICUIK,MIDLOTHIAN	3	15	69	0.30	3.62	3.10	FELT PENICUIK
20071130	220543.5	52.87	-3.28	314.0	330.6	12.0	2.9	LLANGOLLEN,N WALES	4	25	100	0.30	3.58	3.60	FELT LLANGOLLEN...
20071209	155957.2	55.79	-3.22	323.4	655.6	4.7	2.3	PENICUIK,MIDLOTHIAN	3	13	92	0.40	5.49	7.00	FELT PENICUIK
20071218	150639.8	48.46	-1.40	444.5	-160.3	7.4	1.9	NORTHERN FRANCE		5	355	0.10	0.00	0.00	
20071222	055148.1	54.90	-2.64	359.1	555.8	5.8	1.1	BRAMPTON,CUMBRIA		7	122	0.40	6.45	9.50	

TABLE 2 : PHASE DATA

January 7 2007 Time: 01:50 55.1 UTC Magnitude: 4.8 ML
Lat: 61.891N Lon: 1.008W Depth: 10.0 km
Grid Ref: 558.06 kmE 1338.11 kmN RMS: 1.00 secs
Locality: NORWEGIAN SEA
Velocity model: North Sea Xnear: 400.0 Xfar: 750.0
Comment: FELT SHETLAND,NORWAY Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
FOO	SZ	216.0	EP			01:51	25.23			-1.13
SUE	SZ	221.0	EP			01:51	26.24			-0.73
LRW	HZ	228.0	IP		C	01:51	29.33			1.37
LRW	HE	228.0	ESg			01:51	57.39			-1.49
LRW	HN	228.0	AML			01:52	06.36	2873	0.31	
LRW	HE	228.0	AML			01:52	08.09	5441	0.38	
WAL	SZ	231.0	EP			01:51	29.38			1.13
ASK	SZ	275.0	IP		D	01:51	33.65			-0.11
BER	BZ	287.0	EP			01:51	35.31			0.05
BER	BN	287.0	AML			01:52	17.90	2436	0.43	
BER	BE	287.0	AML			01:52	19.59	3666	0.46	
RUND	SZ	287.0	EP			01:51	37.31			2.08
HYA	SZ	287.0	EP			01:51	36.14			0.90
EGD	SZ	290.0	EP			01:51	35.60			-0.05
MOL	HZ	348.0	EP			01:51	42.44			-0.41
MOL	HN	348.0	ES			01:52	15.96			-1.77
MOL	HN	348.0	AML			01:52	19.73	1988	0.30	
MOL	HE	348.0	AML			01:52	20.85	2150	0.42	
ODD1	SZ	376.0	EP			01:51	45.55			-0.82
FTO	SZ	411.0	EP			01:51	50.87			0.19
FTO	SN	411.0	ES			01:52	29.22			-2.05
FTO	SN	411.0	AML			01:52	33.03	437	0.85	
FTO	SE	411.0	AML			01:52	46.81	762	0.58	
STAV	SZ	419.0	EP			01:51	51.28			-0.29
STAV	SZ	419.0	ES			01:52	32.35			-0.46
STAV	SZ	419.0	AML			01:52	36.56	967	0.48	
DOMB	SZ	425.0	EP			01:51	52.05			-0.40
ORE	SZ	456.0	EP			01:51	56.56			0.28
MLA	SZ	467.0	EP			01:51	57.84			0.19
SNART	SZ	524.0	EP			01:52	04.49			-0.25
SNART	SN	524.0	ES			01:52	56.32			0.73
SNART	SZ	524.0	AML			01:53	08.77	832	0.44	
MVH	SZ	528.0	EP			01:52	05.16			-0.06
KONO	BZ	530.0	EP			01:52	05.04			-0.40
KONO	BN	530.0	ES			01:52	56.71			-0.10
NAO01	BZ	540.0	EP			01:52	06.46			-0.30
MME	SZ	557.0	EP			01:52	09.05			0.28
OSL	SZ	570.0	EP			01:52	10.74			0.41
OSL	SZ	570.0	ES			01:53	08.46			3.19
MDO	SZ	580.0	EP			01:52	11.30			-0.41
KAC	SZ	604.0	EP			01:52	14.51			-0.11
KPL	HZ	631.0	EP			01:52	17.88			-0.02
KSB	SZ	635.0	EP			01:52	17.92			-0.58
KSK	SZ	656.0	EP			01:52	21.81			0.72
KAR	SZ	676.0	EP			01:52	24.10			0.58
ESY	SZ	697.0	EP			01:52	26.04			-0.15
EAB	SZ	705.0	EP			01:52	27.14			-0.01
EDI	HZ	707.0	EP			01:52	27.34			-0.05
EDI	HE	707.0	ES			01:53	37.12			2.33
EDI	HN	707.0	AML			01:53	42.86	308	0.40	
EDI	HE	707.0	AML			01:53	52.65	373	0.41	
EAU	SZ	720.0	EP			01:52	28.97			-0.11
EBL	SZ	720.0	EP			01:52	29.03			-0.05
PGB	HZ	747.0	EP			01:52	32.16			-0.22
MUD	HZ	763.0	EP			01:52	34.17			-0.16
STOK	SZ	765.0	EP			01:52	30.98			-3.58
STOK	SZ	765.0	ES			01:53	43.96			-3.22
STOK	SZ	765.0	AML			01:53	48.97	950	0.75	
ESK	HZ	772.0	EP			01:52	35.23			-0.22
ESK	HE	772.0	ES			01:53	49.22			0.49
ESK	HN	772.0	AML			01:53	52.39	248	0.36	
ESK	HE	772.0	AML			01:53	52.91	258	0.49	
MOR8	SZ	827.0	EP			01:52	40.51			-1.83
MOR8	SN	827.0	ES			01:53	59.95			-0.70
MOR8	SZ	827.0	AML			01:54	05.59	613	0.26	
GAL	HZ	850.0	EP			01:52	44.75			-0.43
LOF	SZ	910.0	EP			01:52	50.18			-2.41
LOF	SZ	910.0	AML			01:54	21.46	255	0.53	
COP	HZ	954.0	EP			01:52	57.83			-0.23
BSD	HZ	1104.0	EP			01:53	15.77			-0.90
MCH	HZ	1128.0	EP			01:53	18.89			-0.77
IBBN	BZ	1141.0	EP			01:53	19.42			-1.94
TRO	BZ	1183.0	EP			01:53	22.50			-4.00
HTL	HZ	1258.0	EP			01:53	35.02			-0.86
HTL	HZ	1258.0	AMb			01:53	40.22	68	1.52	
HGN	BZ	1275.0	EP			01:53	36.78			-1.13
KTK1	SZ	1289.0	EP			01:53	35.75			-4.01
KTK1	SN	1289.0	ES			01:55	35.57			-4.41
ARE0	BZ	1395.0	EP			01:53	49.19			-3.77

January 17 2007 Time: 00:47 04.0 UTC Magnitude: 1.4 ML
Lat: 56.946N Lon: -5.608W Depth: 5.3 km
Grid Ref: 180.58 kmE 789.63 kmN RMS: 0.30 secs
Locality: LOCH MORAR,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT LOCHAILORT Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KAR	SZ	13.8	EP			00:47	06.87			-0.06
KAR	SZ	13.8	ES			00:47	08.85			-0.19
KPL	HZ	43.8	EP			00:47	11.78			-0.06
KPL	HE	43.8	ES			00:47	16.95			-0.57
KPL	HE	43.8	AML			00:47	17.36	29	0.20	
KPL	HN	43.8	AML			00:47	17.41	10	0.17	
KAC	SZ	64.3	EP			00:47	14.96			-0.09
KSK	SZ	87.8	EP			00:47	19.01			0.31
MDO	SZ	93.3	EP			00:47	19.58			0.00
RRR	SE	102.0	ES			00:47	32.66			-0.53
RRR	SN	102.0	AML			00:47	35.85	24	0.34	
RRR	SE	102.0	AML			00:47	36.57	21	0.42	
EAB	SZ	115.0	EP			00:47	22.70			-0.22
RRH	SZ	126.0	EP			00:47	24.48			-0.16
REB	SZ	132.0	EP			00:47	25.60			0.12
MVH	SZ	139.0	EP			00:47	26.63			0.20
PGB	HZ	144.0	EP			00:47	27.84			0.61
PGB	HN	144.0	ES			00:47	43.78			-0.37
PGB	HN	144.0	AML			00:47	46.71	8	0.74	
PGB	HE	144.0	AML			00:47	46.76	5	0.56	
MCD	SZ	159.0	EP			00:47	30.29			0.96
MCD	SN	159.0	AML			00:47	49.96	7	0.42	
MCD	SE	159.0	AML			00:47	52.01	10	0.58	

January 23 2007 Time: 17:32 54.6 UTC Magnitude: 3.5 ML
Lat: 51.655N Lon: 2.102W Depth: 15.0 km
Grid Ref: 683.68 kmE 203.16 kmN RMS: 0.30 secs
Locality: SOUTHERN NORTH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 65KM OFFSHORE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
APA	SZ	83.6	IP		D	17:33	08.05			-0.45
AEU	SZ	123.0	EP			17:33	14.24			0.17
AEU	AZ	123.0	EP			17:33	14.83			0.76
AEU	SE	123.0	ES			17:33	28.50			0.25
AEU	AN	123.0	AML			17:33	31.46	3395	0.23	
AEU	AE	123.0	AML			17:33	32.38	4903	0.24	
AWI	SZ	138.0	EP			17:33	16.81			0.50
ABA	SZ	152.0	IP		C	17:33	18.73			0.47
SKP	SZ	202.0	EP			17:33	24.98			0.47
WOL	BE	234.0	AML			17:34	04.72	252	0.50	
SWN	HZ	271.0	EP			17:33	34.10			0.92
SWN	HN	271.0	ES			17:34	05.28			3.96
SWN	HN	271.0	AML			17:34	12.27	406	0.54	
SWN	HE	271.0	AML			17:34	13.16	359	0.43	
SSW	SZ	275.0	EP			17:33	34.33			0.65
KBI	SZ	304.0	EP			17:33	37.03			-0.33
KWE	SZ	308.0	EP			17:33	37.71			-0.20
HAE	SZ	323.0	EP			17:33	39.70			0.01
HGH	SZ	340.0	EP			17:33	42.16			0.38
LHO	SZ	341.0	EP			17:33	41.32			-0.64
LWH	SZ	351.0	EP			17:33	43.04			-0.23
MCH	HZ	354.0	EP			17:33	43.19			-0.34
MCH	HN	354.0	ES			17:34	19.78			0.57
MCH	HE	354.0	AML			17:34	37.58	72	0.69	
MCH	HN	354.0	AML			17:34	42.67	84	0.52	
HLM	SZ	355.0	EP			17:33	43.69			-0.02
HPK	SN	359.0	ES			17:34	20.14			-0.20
HTR	SZ	373.0	EP			17:33	45.45			-0.50
SBD	SZ	391.0	EP			17:33	47.99			-0.31
DYA	HZ	444.0	EP			17:33	53.54			-1.32
DYA	HE	444.0	AML			17:34	59.54	40	0.42	
DYA	HN	444.0	AML			17:35	02.53	50	0.51	
HTL	HZ	465.0	EP			17:33	57.18			-0.22
HTL	HE	465.0	AML			17:35	13.69	35	0.43	
HTL	HN	465.0	AML			17:35	20.70	36	0.86	
YRE	SZ	469.0	EP			17:33	57.21			-0.70
WLF	SZ	477.0	EP			17:33	58.67			-0.29
YRC	SZ	487.0	EP			17:33	59.30			-0.89
WCB	SZ	490.0	EP			17:33	59.96			-0.62
WCB	SN	490.0	AML			17:34	55.15	48	0.28	
WCB	SE	490.0	AML			17:34	56.14	44	0.61	
WIM	SZ	533.0	EP			17:34	04.56			-1.47
GCD	SZ	538.0	EP			17:34	05.13			-1.47
ESY	SZ	567.0	EP			17:34	08.96			-1.26
EBL	SZ	570.0	EP			17:34	09.71			-0.94
GAL	HZ	578.0	EP			17:34	09.88			-1.66
GAL	HN	578.0	AML			17:35	06.77	16	0.41	
GAL	HE	578.0	AML			17:35	08.50	14	0.20	
EDI	HZ	589.0	EP			17:34	12.20			-0.72
EAU	SZ	593.0	EP			17:34	12.73			-0.69
GMM	SZ	612.0	EP			17:34	13.94			-1.92
PGB	HZ	634.0	EP			17:34	17.20			-1.40
GMK	SZ	655.0	EP			17:34	19.59			-1.57
EAB	SZ	658.0	EP			17:34	20.23			-1.36
GCL	SZ	667.0	EP			17:34	20.18			-2.48
KPL	HZ	807.0	EP			17:34	38.42			-1.74
KPL	HN	807.0	AML			17:35	57.45	13	0.40	
KAC	SZ	807.0	EP			17:34	38.79			-1.37
KPL	HE	807.0	AML			17:35	58.51	20	0.49	
TFO	EZ	90.1	EP			17:33	09.40			-0.05
TFO	EN	90.1	ES			17:33	20.50			0.24
WOL	BZ	234.0	EP			17:33	29.53			0.96
WOL	BN	234.0	ES			17:33	56.75			3.42
WOL	BN	234.0	AML			17:34	03.15	333	0.35	

January 25 2007 Time: 21:59 32.4 UTC Magnitude: 2.4 ML
Lat: 57.408N Lon: -5.694W Depth: 7.0 km
Grid Ref: 178.14 kmE 841.29 kmN RMS: 0.30 secs
Locality: APPLECROSS,HIGHLAND
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	8.1	EP			21:59	34.64			0.14
KPL	HE	8.1	ES			21:59	35.87			-0.16
KPL	HE	8.1	AML			21:59	36.23	2426	0.12	
KPL	HN	8.1	AML			21:59	36.23	1007	0.07	
KAC	SZ	25.8	EP			21:59	37.25			-0.08
RRR	SZ	50.5	IP		C	21:59	41.12			-0.01
RRR	SE	50.5	ES			21:59	47.15			-0.34
RRR	SE	50.5	AML			21:59	47.60	268	0.22	
RRR	SN	50.5	AML			21:59	47.64	251	0.24	
KAR	SZ	55.1	EP			21:59	41.42			-0.45
KSK	SZ	60.7	EP			21:59	43.15			0.39
MDO	SZ	80.0	EP			21:59	45.58			-0.20
RRH	SZ	82.2	IP		C	21:59	45.96			-0.10
REB	SZ	82.9	IP		D	21:59	46.06			-0.11
MVH	SZ	107.0	EP			21:59	49.94			0.02
RSC	SZ	109.0	EP			21:59	50.21			-0.03
RTO	SZ	112.0	EP			21:59	50.60			-0.10
MCD	SZ	148.0	EP			21:59	56.48			0.53

TABLE 2 : PHASE DATA

EAB	SZ	159.0	EP		21:59	57.71		0.12
PGB	HZ	193.0	EP		22:00	02.28		0.36
PGB	HE	193.0	ES		22:00	22.89		-0.56
PGB	HN	193.0	AML		22:00	28.36	45 0.32	
PGB	HE	193.0	AML		22:00	28.91	34 0.42	
EAU	SZ	222.0	EP		22:00	05.50		-0.12
ESK	HZ	279.0	EP		22:00	12.68		-0.05
ESK	HE	279.0	AML		22:00	51.11	16 0.20	
ESK	HN	279.0	AML		22:00	51.19	23 0.33	

January 28 2007 Time: 10:30 55.7 UTC Magnitude: 4.4 ML
Lat: 57.751N Lon: 5.956W Depth: 19.7 km
Grid Ref: 872.83 kmE 901.28 kmN RMS: 0.40 secs
Locality: EASTERN NORTH SEA
Velocity model: North Sea Xnear: 700.0 Xfar: 1000.0
Comment: FELT SOUTHERN NORWAY Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
FIN	HZ		EP			10:33	23.50			
FIN	HE		ES			10:35	12.50			
LRW	HZ	497.0	IP		C	10:32	01.09			0.07
LRW	HE	497.0	ES			10:32	48.57			-0.15
LRW	HN	497.0	AML			10:32	51.22	55	0.25	
LRW	HE	497.0	AML			10:32	51.30	109	0.37	
WAL	SZ	525.0	EP			10:32	04.91			0.43
MCD	SN	560.0	ES			10:33	02.46			0.23
MCD	SN	560.0	AML			10:33	05.17	235	0.15	
MCD	SE	560.0	AML			10:33	07.97	402	0.48	
MLA	SZ	564.0	EP			10:32	09.96			0.67
ESY	SZ	571.0	EP			10:32	10.37			0.18
EDI	HZ	603.0	EP			10:32	14.36			0.15
EDI	HE	603.0	ES			10:33	11.91			0.37
EDI	HN	603.0	AML			10:33	17.45	236	0.16	
EDI	HE	603.0	AML			10:33	22.10	159	0.58	
EBH	SZ	608.0	EP			10:32	14.97			0.10
MVH	SZ	612.0	EP			10:32	15.46			0.15
ELO	SZ	612.0	EP			10:32	15.64			0.27
EAU	SZ	622.0	EP			10:32	16.81			0.30
ABA	SZ	626.0	EP			10:32	17.10			0.01
MDO	SZ	628.0	EP			10:32	17.74			0.47
ESK	HZ	634.0	EP			10:32	17.49			-0.58
ESK	HE	634.0	ES			10:33	17.97			-0.26
ESK	HE	634.0	AML			10:33	22.33	216	0.19	
ESK	HN	634.0	AML			10:33	26.25	201	0.26	
HPK	HN	643.0	ES			10:33	20.22			0.19
HPK	HN	643.0	AML			10:33	24.26	158	0.23	
HPK	HE	643.0	AML			10:33	24.63	167	0.21	
AEU	SZ	650.0	EP			10:32	20.12			0.09
AEU	SN	650.0	AML			10:33	26.60	193	0.28	
AEU	SE	650.0	AML			10:33	32.37	174	0.29	
EAB	SZ	659.0	EP			10:32	21.16			0.01
REB	SZ	676.0	EP			10:32	22.72			-0.55
KAC	SZ	682.0	EP			10:32	23.92			-0.14
PGB	HZ	683.0	EP			10:32	24.19			0.10
PGB	HE	683.0	ES			10:33	28.96			0.32
PGB	HE	683.0	AML			10:33	33.62	109	0.21	
PGB	HN	683.0	AML			10:33	34.19	103	0.31	
LHO	SZ	686.0	EP			10:32	23.74			-0.78
KPL	HZ	706.0	EP			10:32	26.38			-0.58
KPL	HE	706.0	AML			10:33	38.84	132	0.40	
KPL	HN	706.0	AML			10:33	39.78	116	0.51	
RRR	SZ	709.0	EP			10:32	27.30			0.00
RRR	SE	709.0	ES			10:33	33.28			-0.92
RRR	SN	709.0	AML			10:33	38.84	200	0.36	
RRR	SE	709.0	AML			10:33	39.92	127	0.28	
KAR	SZ	725.0	EP			10:32	29.38			0.04
RRH	SZ	760.0	EP			10:32	33.42			-0.31
MCH	HZ	866.0	EP			10:32	45.70			-1.20
MCH	HN	866.0	ES			10:34	08.90			0.79

February 14 2007 Time: 21:26 57.1 UTC Magnitude: 0.2 ML
Lat: 53.178N Lon: -4.365W Depth: 8.8 km
Grid Ref: 241.97 kmE 367.19 kmN RMS: 0.10 secs
Locality: CAERNARFON,GWYNEDD
Velocity model: Lleyn Xnear: 80.0 Xfar: 200.0
Comment: 7KM NW OF CAERNARFON

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WLF	SZ	12.5	IP		D	21:26	59.65			-0.04
YRC	SZ	16.2	IP		D	21:27	00.32			0.10
YRE	SZ	22.3	IP		C	21:27	01.13			-0.04
WCB	SZ	25.3	IP			21:27	01.57			-0.06
WCB	SN	25.3	ES			21:27	04.70			-0.01
WCB	SN	25.3	AML			21:27	04.91	5	0.12	
WCB	SE	25.3	AML			21:27	05.04	4	0.26	
WPM	SZ	32.0	IP		D	21:27	02.75			0.04

February 18 2007 Time: 20:10 03.3 UTC Magnitude: 2.0 ML
Lat: 56.178N Lon: -4.929W Depth: 5.0 km
Grid Ref: 218.21 kmE 702.23 kmN RMS: 0.30 secs
Locality: LOCHGOILHEAD,S'CLYDE
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0
Comment: FELT LOCHGOILHEAD Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HN	145.0	AML			20:10	46.35	23	0.19	
ESK	HE	145.0	AML			20:10	46.12	36	0.15	
KPL	HE	137.0	AML			20:10	44.09	31	0.35	
ESK	HZ	145.0	EP			20:10	25.84			-0.80
MDO	SZ	145.0	EP			20:10	26.51			-0.17
KPL	HN	137.0	AML			20:10	44.30	25	0.29	
MCD	SZ	187.0	IP		D	20:10	31.79			-0.57
GAL	SZ	147.0	EP			20:10	26.88			-0.02
ESY	SZ	147.0	IP			20:10	27.41			0.40
KAC	SZ	149.0	EP			20:10	27.20			-0.01
MCD	SN	187.0	AML			20:10	58.69	56	0.22	
MCD	SE	187.0	AML			20:10	58.76	57	0.32	
PGB	HE	49.4	AML			20:10	19.11	40	0.21	
KSB	SZ	119.0	EP			20:10	22.65			-0.20
KPL	HE	137.0	ES			20:10	41.66			0.10
KPL	HZ	137.0	IP		D	20:10	25.57			0.14
EBL	SZ	126.0	EP			20:10	24.10			0.12
EDI	HZ	112.0	IP		C	20:10	22.12			0.35
EAU	SZ	99.6	EP			20:10	20.10			0.23
KAR	SZ	99.3	EP			20:10	20.10			0.32
EBH	SZ	88.5	EP			20:10	18.30			0.15
PGB	HN	49.4	AML			20:10	18.67	45	0.25	
PGB	HN	49.4	ES			20:10	18.32			-0.10
PGB	HZ	49.4	IP		C	20:10	12.19			0.13
PMS	SZ	38.8	IP		D	20:10	10.24			-0.20
EAB	SZ	36.8	IP		C	20:10	09.89			-0.22

February 18 2007 Time: 20:10 14.9 UTC Magnitude: 2.3 ML
Lat: 56.178N Lon: -4.944W Depth: 5.0 km
Grid Ref: 217.28 kmE 702.27 kmN RMS: 0.40 secs
Locality: LOCHGOILHEAD,S'CLYDE
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0
Comment: FELT LOCHGOILHEAD Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EAB	SZ	37.7	IP		C	20:10	21.42			-0.39
PMS	SZ	39.0	IP		D	20:10	21.77			-0.25
PMS	SZ	39.0	ES			20:10	26.55			-0.68
PGB	HZ	49.9	EP			20:10	24.09			0.41
PGB	HN	49.9	ES			20:10	29.82			-0.28
PGB	HN	49.9	AML			20:10	30.17	78	0.26	
PGB	HE	49.9	AML			20:10	30.62	66	0.24	
KAR	SZ	98.9	EP			20:10	31.65			0.37
EAU	SZ	100.0	EP			20:10	31.70			0.15
EDI	HZ	113.0	EP			20:10	33.87			0.41
EDI	HN	113.0	ES			20:10	47.32			0.31
EDI	HE	113.0	AML			20:10	50.22	79	0.29	
EDI	HN	113.0	AML			20:10	50.74	166	0.22	
KSB	SZ	119.0	EP			20:10	34.11			-0.27
EBL	SZ	127.0	EP			20:10	35.71			0.04
KPL	HZ	136.0	EP			20:10	37.30			0.34
KPL	HN	136.0	ES			20:10	53.69			0.63
KPL	HE	136.0	AML			20:10	55.41	63	0.39	
KPL	HN	136.0	AML			20:10	55.77	48	0.20	
GCL	SZ	143.0	EP			20:10	38.33			0.33
ESK	HZ	145.0	EP			20:10	39.22			0.94
ESK	HN	145.0	ES			20:10	56.06			0.71
ESK	HE	145.0	AML			20:10	57.62	63	0.14	
ESK	HN	145.0	AML			20:10	57.86	42	0.19	
MDO	SZ	145.0	EP			20:10	38.02			-0.26
GAL	SE	147.0	ES			20:10	55.19			-0.47
GAL	SE	147.0	AML			20:10	56.84	73	0.17	
GAL	SN	147.0	AML			20:10	58.67	39	0.12	
ESY	SZ	148.0	EP			20:10	38.99			0.30
KAC	SZ	149.0	EP			20:10	38.86			0.10
MME	SZ	175.0	EP			20:10	41.73			-0.77
MCD	SZ	187.0	EP			20:10	43.35			-0.63
MCD	SN	187.0	AML			20:11	08.91	104	0.26	
MCD	SE	187.0	AML			20:11	10.25	125	0.32	

February 21 2007 Time: 00:05 52.6 UTC Magnitude: 4.0 ML
Lat: 63.695N Lon: -4.120W Depth: 10.0 km
Grid Ref: 295.20 kmE 1537.16 kmN RMS: 0.40 secs
Locality: NORWEGIAN SEA
Velocity model: North Sea Xnear: 600.0 Xfar: 1200.0
Comment: 230KM NE OF FAROES

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HE	713.0	AML			00:08	35.45	49	0.56	
KPL	HE	713.0	ES			00:08	34.00			0.40
KPL	HZ	713.0	EP			00:07	25.11			-0.54
KSK	SZ	708.0	EP			00:07	25.41			0.35
MCD	SN	683.0	ES			00:08	28.47			1.36
MDO	SZ	697.0	EP			00:07	23.41			-0.28
KAC	SZ	693.0	EP			00:07	23.71			0.49
MCD	SE	683.0	AML			00:08	34.52	57	0.58	
MCD	SN	683.0	AML			00:08	33.29	98	0.48	
EDI	HZ	867.0	EP			00:07	44.81			-0.01
KPL	HN	713.0	AML			00:08	39.30	28	0.48	
MME	SZ	714.0	EP			00:07	25.79			0.02
KSB	SZ	726.0	EP			00:07	27.17			-0.13
KAR	SZ	761.0	EP			00:07	31.63			0.04
EDI	HE	867.0	ES			00:09	08.66			1.90
EDI	HE	867.0	AML			00:09	14.98	36	0.62	
EDI	HN	867.0	AML			00:09	23.77	19	0.56	
LRW	HZ	426.0	EP			00:06	50.59			0.64
RSC	SZ	598.0	EP		C	00:07	11.29			-0.12
RRR	SN	657.0	ES			00:08	21.21			-0.30
FTO	SZ	232.0	EP		C	00:06	26.61			0.68
FTO	SN	232.0	ES			00:06	51.17			0.88
LRW	HE	426.0	ES			00:07	32.30			0.46
LRW	HE	426.0	AML			00:07	37.63	94	0.34	
LRW	HN	426.0	AML			00:07	38.61	58	0.42	
ORE	SZ	574.0	EP		C	00:07	08.23			-0.14
ORE	SN	574.0	ES			00:08	04.50			0.80
ORE	SE	574.0	AML			00:08	08.63	95	0.40	
ORE	SN	574.0	AML			00:08	10.17	80	0.44	
MLA	SZ	602.0	EP			00:07	11.83			-0.03
RTO	SZ	603.0	EP			00:07	11.64			-0.35
REB	SZ	624.0	EP			00:07	14.33			-0.32
MVH	SZ	643.0	EP			00:07	17.01			0.06
RRR	SZ	657.0	EP		C	00:07	18.27			-0.40
RRR	SN	657.0	AML			00:08	25.27	43	0.46	
RRR	SE	657.0	AML			00:08	26.18	38	0.54	
RRH	SZ	658.0	EP			00:07	18.56			-0.30
MCD	SZ	683.0	EP			00:07	21.78			-0.12

March 2 2007 Time: 01:41 37.1 UTC Magnitude: 2.0 ML
Lat: 51.670N Lon: 2.085W Depth: 15.0 km
Grid Ref: 682.41 kmE 204.76 kmN RMS: 0.50 secs
Locality: SOUTHERN NORTH SEA
Velocity model: North Sea Xnear: 200.0 Xfar: 400.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
APA	SZ	81.7	EP			01:41	49.61			-0.61

TABLE 2 : PHASE DATA

TFO	EZ	90.3	EP		01:41	51.20			-0.35
TFO	EN	90.3	ES		01:42	01.78			-0.35
TFO	EE	90.3	AML		01:42	04.23	72	0.28	
TFO	EN	90.3	AML		01:42	06.98	93	0.14	
ABA	SZ	150.0	EP		01:42	00.27			0.55
MCH	HZ	352.0	EP		01:42	25.05			0.19
MCH	HE	352.0	ES		01:42	59.27			-0.48
MCH	HN	352.0	AML		01:43	19.82	2	0.66	
MCH	HE	352.0	AML		01:43	22.84	2	0.56	
AEU	SZ	121.0	EP		01:41	55.89			-0.19
AEU	SN	121.0	AML		01:42	12.80	29	0.28	
AEU	SE	121.0	ES		01:42	09.61			-0.35
AEU	SE	121.0	AML		01:42	13.88	36	0.32	
SKP	SZ	200.0	EP		01:42	06.63			0.66

March 4 2007 Time: 02:21 37.7 UTC Magnitude: 1.0 ML
Lat: 57.885N Lon: -5.294W Depth: 5.1 km
Grid Ref: 204.74 kmE 893.12 kmN RMS: 0.20 secs
Locality: ULLAPOOL,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0
Comment: 8KM WEST OF ULLAPOOL

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KAC	SZ	42.9	EP			02:21	45.45			0.02
MVH	SZ	66.1	EP			02:21	49.01			-0.01
RTO	SZ	77.0	EP			02:21	50.81			0.13
ORE	SZ	116.0	EP			02:21	57.04			0.22
ORE	SE	116.0	AML			02:22	11.83	4	0.13	
ORE	SN	116.0	AML			02:22	12.40	3	0.17	
MLA	SZ	123.0	EP			02:21	58.18			0.31
MCD	SN	126.0	ES			02:22	12.54			-0.85
MCD	SE	126.0	AML			02:22	14.60	6	0.19	
MCD	SN	126.0	AML			02:22	14.72	3	0.27	
RRR	SZ	30.5	IP		C	02:21	43.56			0.16
RRR	SN	30.5	ES			02:21	47.29			-0.25
RRR	SN	30.5	AML			02:21	47.52	26	0.19	
RRR	SE	30.5	AML			02:21	47.45	19	0.10	
RSC	SZ	52.2	IP		D	02:21	46.63			-0.21
REB	SZ	26.2	IP		C	02:21	42.64			-0.03
MDO	SZ	74.4	EP			02:21	50.29			-0.06

March 4 2007 Time: 20:17 17.9 UTC Magnitude: 2.0 ML
Lat: 50.452N Lon: -2.094W Depth: 5.2 km
Grid Ref: 393.33 kmE 61.42 kmN RMS: 0.40 secs
Locality: OFFSHORE SWANAGE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
SWN	SZ	120.0	EP			20:17	37.73			0.26
SWN	SE	120.0	ES			20:17	51.39			-0.39
SWN	SE	120.0	AML			20:17	55.52	33	0.64	
SWN	SN	120.0	AML			20:18	04.34	49	0.48	
HGH	SZ	141.0	EP			20:17	39.95			-0.65
SKP	SZ	167.0	EP			20:17	43.98			-0.40
SSW	SZ	169.0	EP			20:17	45.15			0.49
MCH	SZ	183.0	EP			20:17	46.48			0.10
MCH	SN	183.0	ES			20:18	06.70			-0.49
MCH	SE	183.0	AML			20:18	09.14	20	0.26	
MCH	SN	183.0	AML			20:18	10.00	13	0.32	
HTR	SZ	199.0	EP			20:17	48.59			0.25

March 6 2007 Time: 11:41 17.5 UTC Magnitude: 1.4 ML
Lat: 52.015N Lon: -3.061W Depth: 23.7 km
Grid Ref: 327.19 kmE 235.75 kmN RMS: 0.30 secs
Locality: HAY-ON-WYE,HER & WOR
Velocity model: Lownet Xnear: 75.0 Xfar: 150.0
Comment: 10KM SE OF HAY-ON-WYE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH	HZ	4.8	IP		D	11:41	21.43			-0.07
MCH	HN	4.8	ES			11:41	24.51			0.05
MCH	HN	4.8	AML			11:41	24.73	44	0.10	
MCH	HE	4.8	AML			11:41	24.93	18	0.15	
HTR	SZ	15.8	EP			11:41	22.37			0.14
HGH	SZ	45.5	IP		C	11:41	25.47			-0.31
HLM	SZ	57.3	EP			11:41	27.21			-0.25
HLM	SZ	57.3	ES			11:41	34.20			-0.56
SBD	SZ	100.0	EP			11:41	33.89			0.37
SWN	SZ	103.0	EP			11:41	34.77			0.82
SWN	SN	103.0	AML			11:41	46.87	37	0.44	
SWN	SE	103.0	AML			11:41	48.76	40	0.26	

March 7 2007 Time: 05:36 31.0 UTC Magnitude: 1.7 ML
Lat: 53.447N Lon: -1.220W Depth: 2.6 km
Grid Ref: 451.80 kmE 394.78 kmN RMS: 0.40 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HTR	SZ	206.0	ES			05:37	26.21			0.90
HTR	SZ	206.0	EP			05:37	03.02			0.63
MCH	HE	201.0	AML			05:37	30.07	20	0.44	
SKP	SZ	194.0	EP			05:37	01.48			0.58
MCH	HN	201.0	AML			05:37	29.02	17	0.26	
MCH	HE	201.0	ES			05:37	24.81			0.52
MCH	HZ	201.0	EP			05:37	02.25			0.45
WOL	BN	238.0	AML			05:37	38.85	10	0.30	
HGH	SZ	228.0	EP			05:37	05.55			0.36
XSO	SZ	237.0	EP			05:37	06.11			-0.26
WOL	BE	238.0	AML			05:37	38.83	9	0.40	
ESK	HZ	245.0	EP			05:37	08.12			0.86
ESK	HN	245.0	AML			05:37	44.16	4	0.24	
ESK	HE	245.0	AML			05:37	45.88	6	0.50	
HLM	SZ	152.0	EP			05:36	56.21			0.87
KBI	SZ	29.7	EP			05:36	36.19			-0.12
LHO	SZ	43.5	EP			05:36	38.27			-0.41
HPK	HZ	62.8	EP			05:36	41.58			-0.13
HPK	HN	62.8	ES			05:36	49.65			0.12
HPK	HE	62.8	AML			05:36	55.99	9	0.18	
HPK	HN	62.8	AML			05:36	56.54	9	0.17	
CWF	HZ	79.1	EP			05:36	44.23			0.00
CWF	HN	79.1	ES			05:36	53.75			-0.14
CWF	HE	79.1	AML			05:36	55.84	29	0.62	
CWF	HN	79.1	AML			05:36	58.97	23	0.25	
SBD	SZ	149.0	EP			05:36	55.77			0.85
ABA	SZ	170.0	EP			05:36	57.56			-0.27
SSW	SZ	170.0	EP			05:36	59.04			1.14
XAL	SZ	170.0	EP			05:36	58.78			0.83
CKE	SZ	177.0	EP			05:36	59.85			1.03
KWE	SZ	63.4	EP			05:36	41.89			0.07

March 8 2007 Time: 02:31 17.2 UTC Magnitude: 1.7 ML
Lat: 53.456N Lon: -1.238W Depth: 1.0 km
Grid Ref: 450.59 kmE 395.77 kmN RMS: 0.50 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HN	80.0	AML			02:31	45.55	22	0.18	
CWF	HE	80.0	AML			02:31	42.53	29	0.14	
CWF	HN	80.0	ES			02:31	41.26			0.01
LHO	SZ	42.1	EP			02:31	24.80			-0.33
HPK	HN	61.4	AML			02:31	43.22	10	0.20	
HPK	HE	61.4	AML			02:31	42.69	10	0.16	
HPK	HE	61.4	ES			02:31	36.20			-0.09
HPK	HZ	61.4	EP			02:31	28.29			0.07
WPM	SZ	179.0	EP			02:31	46.16			0.34
SBD	SZ	148.0	EP			02:31	42.48			0.92
HLM	SZ	152.0	EP			02:31	43.09			1.04
XAL	SZ	169.0	EP			02:31	45.73			1.22
SSW	SZ	171.0	EP			02:31	45.83			1.10
HAE	SZ	181.0	EP		C	02:31	47.05			1.01
BDL	SZ	187.0	EP			02:31	48.00			1.25
AEU	SE	190.0	AML			02:32	11.68	24	0.26	
MCH	HZ	201.0	EP			02:31	48.92			0.34
XSO	SZ	236.0	EP			02:31	54.12			1.13
WLF	SZ	211.0	EP			02:31	50.38			0.61
HTR	SZ	206.0	EP			02:31	49.78			0.63
MCH	HE	201.0	AML			02:32	16.74	18	0.42	
MCH	HN	201.0	AML			02:32	15.71	15	0.26	
AEU	SN	190.0	AML			02:32	13.21	16	0.26	
MCH	HN	201.0	ES			02:32	12.52			1.01
HBL2	N	198.0	ES			02:32	13.24			2.33
SKP	SZ	195.0	EP			02:31	49.08			1.26
YRC	SZ	223.0	EP			02:31	51.86			0.55
YRE	SZ	219.0	EP			02:31	51.91			1.07
WCB	SZ	220.0	EP			02:31	51.22			0.29
BHH	SE	223.0	AML			02:32	24.59	3	0.46	
BHH	SN	223.0	AML			02:32	27.90	2	0.36	
WOL	BE	238.0	AML			02:32	25.49	8	0.45	
WOL	BN	238.0	AML			02:32	28.23	8	0.50	
CWF	HZ	80.0	EP			02:31	30.74			-0.35
ABA	SZ	171.0	EP			02:31	44.76			-0.02
KBI	SZ	29.6	EP		C	02:31	22.86			-0.11
KWE	SZ	63.3	EP			02:31	28.56			0.03

March 9 2007 Time: 16:00 22.6 UTC Magnitude: 1.6 ML
Lat: 53.447N Lon: -1.214W Depth: 2.5 km
Grid Ref: 452.20 kmE 394.79 kmN RMS: 0.60 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KBI	SZ	30.0	EP			16:00	28.16			-0.01
LHO	SZ	43.9	EP			16:00	30.26			-0.30
HPK	HZ	63.0	EP			16:00	33.75			0.18
HPK	HE	63.0	ES			16:00	41.25			-0.34
HPK	HE	63.0	AML			16:00	47.97	12	0.18	
HPK	HN	63.0	AML			16:00	48.40	12	0.18	
KWE	SZ	63.7	EP			16:00	33.77			0.08
CWF	HZ	79.1	EP			16:00	36.12			0.06
CWF	HE	79.1	ES			16:00	45.49			-0.42
CWF	HN	79.1	AML			16:00	50.82	22	0.18	
CWF	HE	79.1	AML			16:00	50.97	25	0.22	
SBD	SZ	149.0	EP			16:00	47.74			0.92
HLM	SZ	152.0	EP			16:00	48.45			1.22
XAL	SZ	170.0	EP			16:00	51.48			1.66
CKE	SZ	177.0	EP			16:00	51.03			0.32
WPM	SZ	180.0	EP			16:00	52.23			1.14
HAE	SZ	181.0	EP			16:00	52.32			1.20
MCH	HZ	201.0	EP			16:00	54.23			0.55
MCH	HN	201.0	ES			16:01	17.95			1.56
MCH	HN	201.0	AML			16:01	20.99	14	0.24	
MCH	HE	201.0	AML			16:01	22.01	17	0.44	
HTR	SZ	206.0	EP			16:00	55.32			1.04
YRE	SZ	221.0	EP			16:00	57.22			1.13
WCB	SZ	222.0	EP			16:00	56.26			0.05

March 14 2007 Time: 16:54 13.9 UTC Magnitude: 1.7 ML
Lat: 53.458N Lon: -1.254W Depth: 1.3 km
Grid Ref: 449.53 kmE 395.98 kmN RMS: 0.30 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
XAL	SZ	168.0	EP			16:54	42.38			1.29
MCH	HZ	201.0	EP			16:54	46.38			1.20
MCH	HN	201.0	ES			16:55	10.11			2.09
MCH	HN	201.0	AML			16:55	12.44	17	0.23	
ESK	HZ	243.0	EP			16:54	51.19			0.77
MCH	HE	201.0	AML			16:55	13.58	22	0.52	
ESK	HN	243.0	AML			16:55	25.12	6	0.26	
ESK	HE	243.0	AML			16:55	29.48	7	0.30	
HPK	HE	60.8	AML			16:54	39.40	20	0.19	
CWF	HE	80.1	ES			16:54	38.04			0.13
CWF	HE	80.1	AML			16:54	42.45	30	0.26	
CWF	HN	80.1	AML			16:54	42.22	25	0.14	

TABLE 2 : PHASE DATA

CWF	HZ	80.1	EP		16:54	27.52		-0.26
KWE	SZ	62.9	EP		16:54	25.14		0.02
HPK	HN	60.8	AML		16:54	39.86	19 0.21	
HPK	HE	60.8	ES		16:54	32.60		-0.14
HPK	HZ	60.8	EP		16:54	24.90		0.12
LHO	SZ	41.0	EP		16:54	21.60		-0.02
KBI	SZ	29.1	EP		16:54	19.58		0.02

March 17 2007 Time: 01:56 07.5 UTC Magnitude: 1.6 ML
Lat: 53.456N Lon: -1.192W Depth: 2.6 km
Grid Ref: 453.65 kmE 395.80 kmN RMS: 0.40 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LHO	SZ	45.1	EP			01:56	15.35			-0.33
HPK	HZ	62.7	EP			01:56	18.69			0.25
HPK	HE	62.7	ES			01:56	26.22			-0.21
HPK	HE	62.7	AML			01:56	33.22	13	0.18	
HPK	HN	62.7	AML			01:56	33.79	12	0.16	
KWE	SZ	65.3	EP			01:56	19.00			0.14
CWF	HZ	80.2	EP			01:56	21.23			0.09
CWF	HE	80.2	ES			01:56	30.74			-0.37
CWF	HN	80.2	AML			01:56	36.08	21	0.14	
CWF	HE	80.2	AML			01:56	36.23	27	0.22	
SBD	SZ	151.0	EP			01:56	32.78			0.82
HLM	SZ	154.0	EP			01:56	32.92			0.54
CKE	SZ	178.0	EP			01:56	36.75			1.10
HAE	SZ	182.0	EP			01:56	37.56			1.34
MCH	HZ	203.0	EP			01:56	39.47			0.68
MCH	HN	203.0	ES			01:57	04.15			2.51
MCH	HN	203.0	AML			01:57	06.01	16	0.44	
MCH	HE	203.0	AML			01:57	07.25	18	0.46	
HTR	SZ	208.0	EP			01:56	40.42			1.03
HGH	SZ	230.0	EP			01:56	43.42			1.26
ESK	HZ	245.0	EP			01:56	45.42			1.39
ESK	HN	245.0	AML			01:57	19.38	4	0.22	
ESK	HE	245.0	AML			01:57	23.09	7	0.48	
GAL	HZ	278.0	EP			01:56	47.85			-0.33
KBI	SZ	31.7	EP			01:56	13.40			0.03

March 19 2007 Time: 05:31 29.2 UTC Magnitude: 1.5 ML
Lat: 53.456N Lon: -1.195W Depth: 2.3 km
Grid Ref: 453.45 kmE 395.80 kmN RMS: 0.60 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KBI	SZ	27.1	EP			05:31	33.78			-0.34
LHO	SZ	33.9	EP			05:31	35.13			-0.17
HPK	HZ	56.5	EP			05:31	39.13			0.15
HPK	HN	56.5	ES			05:31	45.93			-0.16
HPK	HE	56.5	AML			05:31	53.63	8	0.16	
HPK	HN	56.5	AML			05:31	54.13	8	0.16	
KWE	SZ	60.4	EP			05:31	39.50			-0.11
SBD	SZ	142.0	EP			05:31	53.40			1.23
HLM	SZ	148.0	EP			05:31	52.95			-0.01
XAL	SZ	164.0	EP			05:31	56.95			1.63
HAE	SZ	179.0	EP			05:31	57.46			0.17
MCH	HZ	198.0	EP			05:32	00.12			0.43
MCH	HN	198.0	ES			05:32	24.56			2.63
MCH	HN	198.0	AML			05:32	26.64	10	0.24	
MCH	HE	198.0	AML			05:32	27.65	12	0.44	
HTR	SZ	202.0	EP			05:32	00.34			0.17
ESK	HN	237.0	AML			05:32	39.28	4	0.32	
ESK	HE	237.0	AML			05:32	43.46	6	0.50	

March 20 2007 Time: 13:03 43.8 UTC Magnitude: 1.4 ML
Lat: 53.461N Lon: -1.248W Depth: 1.6 km
Grid Ref: 449.92 kmE 396.32 kmN RMS: 0.00 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KWE	SZ	63.4	EP			13:03	54.95			0.09
MCH	HE	201.0	AML			13:04	43.08	8	0.46	
MCH	HN	201.0	AML			13:04	41.87	8	0.30	
MCH	HN	201.0	ES			13:04	40.50			2.92
MCH	HZ	201.0	EP			13:04	16.00			1.12
CWF	HE	80.5	ES			13:04	07.46			-0.04
CWF	HN	80.5	AML			13:04	11.91	12	0.19	
CWF	HE	80.5	AML			13:04	08.93	14	0.10	
CWF	HZ	80.5	EP			13:03	57.50			0.01
KBI	SZ	29.6	EP			13:03	49.29			-0.02
HPK	HE	60.6	AML			13:04	10.32	14	0.50	
HPK	HZ		EP			13:03	56.93			
HPK	HN	60.6	AML			13:04	12.04	16	0.52	
LHO	SZ	41.3	EP			13:03	51.30			-0.03

March 21 2007 Time: 09:26 33.9 UTC Magnitude: 1.7 ML
Lat: 53.453N Lon: -1.225W Depth: 1.7 km
Grid Ref: 451.46 kmE 395.45 kmN RMS: 0.30 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HGH	SZ	229.0	EP			09:27	09.94			1.34
SWN	HE	219.0	AML			09:27	41.87	23	0.32	
SWN	HN	219.0	AML			09:27	35.72	29	0.34	
MCH	HN	201.0	ES			09:27	30.77			2.72
HTR	SZ	206.0	EP			09:27	07.86			2.08
MCH	HE	201.0	AML			09:27	33.42	15	0.44	
MCH	HN	201.0	AML			09:27	32.18	14	0.44	
GAL	HZ	277.0	EP			09:27	13.32			-1.27
ESK	HZ	244.0	EP			09:27	13.35			2.82
ESK	HN	244.0	AML			09:27	47.70	5	0.31	
ESK	HE	244.0	AML			09:27	50.83	5	0.37	
GAL	HE	277.0	AML			09:27	22.64	2	0.48	
GAL	HN	277.0	AML			09:27	41.53	4	0.72	
LHO	SZ	43.0	EP		C	09:26	41.64			-0.26
CWF	HE	79.7	AML			09:26	59.19	26	0.14	
HAE	SZ	181.0	EP			09:27	03.58			0.93
KBI	SZ	29.9	EP			09:26	39.55			-0.09
HPK	HZ	62.1	EP			09:26	45.12			0.20
HPK	HN	62.1	ES			09:26	52.88			-0.09
HPK	HE	62.1	AML			09:26	59.50	10	0.24	
HPK	HN	62.1	AML			09:27	00.03	9	0.17	
CWF	HZ	79.7	EP			09:26	47.38			-0.26
CWF	HE	79.7	ES			09:26	57.71			0.03
CWF	HN	79.7	AML			09:27	02.25	18	0.16	
SBD	SZ	149.0	EP			09:26	58.90			0.65
HLM	SZ	152.0	EP			09:26	59.55			0.84
BBO	SN	195.0	AML			09:27	32.02	4	0.28	
BBO	SE	195.0	AML			09:27	32.76	4	0.20	
MCH	HZ	201.0	EP			09:27	05.64			0.44
KWE	SZ	63.7	EP			09:26	45.25			0.07

March 22 2007 Time: 02:05 42.8 UTC Magnitude: 1.2 ML
Lat: 53.461N Lon: -1.239W Depth: 2.6 km
Grid Ref: 450.52 kmE 396.33 kmN RMS: 0.30 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HN	80.6	AML			02:06	10.72	8	0.16	
SBD	SZ	149.0	EP			02:06	07.50			0.84
HAE	SZ	181.0	EP			02:06	12.20			1.05
MCH	HZ	202.0	EP			02:06	14.88			1.20
MCH	HN	202.0	AML			02:06	40.63	6	0.47	
MCH	HE	202.0	ES			02:06	39.57			3.36
MCH	HE	202.0	AML			02:06	41.85	6	0.48	
HTR	SZ	206.0	EP			02:06	14.73			0.49
HPK	HE	60.8	AML			02:06	07.88	5	0.19	
CWF	HZ	80.6	EP		D	02:05	56.12			-0.16
CWF	HE	80.6	AML			02:06	07.77	11	0.15	
CWF	HE	80.6	ES			02:06	06.14			0.03
HPK	HN	60.8	AML			02:06	08.42	6	0.12	
HPK	HE	60.8	ES			02:06	00.70			-0.13
HPK	HZ	60.8	EP			02:05	53.52			0.30
LHO	SZ	41.9	EP		C	02:05	50.03			-0.20
KWE	SZ	63.8	EP			02:05	53.77			0.07
KBI	SZ	30.0	EP			02:05	48.02			-0.16

March 22 2007 Time: 02:23 14.3 UTC Magnitude: 2.7 ML
Lat: 59.632N Lon: -2.370W Depth: 15.5 km
Grid Ref: 379.14 kmE 1082.93 kmN RMS: 0.80 secs
Locality: OFFSHORE ORKNEY ISLES
Velocity model: North Sea Xnear: 300.0 Xfar: 600.0
Comment: 80KM NNE OF KIRKWALL

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LRW	HE	87.2	AML			02:23	42.94	56	0.23	
ORE	SZ	145.0	IP		C	02:23	36.14			-0.12
ORE	SN	145.0	ES			02:23	52.65			0.35
ORE	SE	145.0	AML			02:23	53.35	214	0.30	
LRW	HN	87.2	AML			02:23	41.94	54	0.10	
ORE	SN	145.0	AML			02:23	54.63	215	0.10	
MLA	SZ	158.0	EP			02:23	37.15			-0.82
MVH	SZ	217.0	EP			02:23	44.21			-1.05
MDO	SZ	270.0	EP			02:23	53.26			1.37
MCD	SZ	234.0	EP			02:23	45.91			-1.45
MCD	SN	234.0	AML			02:24	19.88	105	0.72	
MCD	SE	234.0	AML			02:24	22.02	70	0.44	
MME	SZ	260.0	EP			02:23	51.94			1.27
KAC	SZ	292.0	EP			02:23	54.87			0.26
KPL	HE	319.0	AML			02:24	45.17	38	0.66	
PGB	HZ	444.0	EP			02:24	13.67			0.26
MCD	SN	234.0	ES			02:24	12.01			0.50
KPL	HN	319.0	AML			02:24	45.49	30	0.36	
EDI	HZ	416.0	EP			02:24	10.75			0.81
EDI	HN	416.0	ES			02:24	50.02			-0.55
EDI	HN	416.0	AML			02:25	14.03	12	0.44	
EDI	HE	416.0	AML			02:25	15.76	26	0.74	
ESK	HN	483.0	AML			02:25	10.53	11	0.78	
PGB	HN	444.0	AML			02:25	21.17	10	0.80	
PGB	HE	444.0	AML			02:25	23.20	7	0.66	
ESK	HZ	483.0	EP			02:24	17.92			-0.40
ESK	HE	483.0	ES			02:25	02.86			-2.19
ESK	HE	483.0	AML			02:25	29.23	12	0.74	
KPL	HZ	319.0	EP			02:23	57.55			-0.37
WAL	SZ	81.3	IP		D	02:23	27.81			0.40
WAL	SZ	81.3	ES			02:23	36.73			-0.25
LRW	HZ	87.2	IP		D	02:23	28.48			0.16
LRW	HN	87.2	ES			02:23	38.47			-0.08

March 23 2007 Time: 01:37 59.0 UTC Magnitude: 1.6 ML
Lat: 53.460N Lon: -1.230W Depth: 2.6 km
Grid Ref: 451.12 kmE 396.22 kmN RMS: 0.40 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LHO	SZ	42.5	EP		C	01:38	06.28			-0.21
HPK	HZ	61.2	EP			01:38	09.79			0.35
HPK	HE	61.2	ES			01:38	16.93			-0.16
HPK	HE	61.2	AML			01:38	24.07	8	0.16	
HPK	HN	61.2	AML			01:38	24.59	8	0.16	
KWE	SZ	64.1	EP			01:38	09.83			-0.07
CWF	HZ	80.5	EP			01:38	11.99			-0.43
CWF	HN	80.5	ES			01:38	22.50			0.25
CWF	HE	80.5	AML			01:38	23.86	20	0.14	
CWF	HN	80.5	AML			01:38	26.91	15	0.16	
SBD	SZ	149.0	EP			01:38	23.68			0.79
HLM	SZ	153.0	EP			01:38	24.13			0.74
XAL	SZ	169.0	EP			01:38	26.32			0.61

TABLE 2 : PHASE DATA

HAE	SZ	182.0	EP		01:38	28.38		1.05
MCH	HZ	202.0	EP		01:38	30.36		0.49
MCH	HE	202.0	ES		01:38	54.40		1.97
MCH	HN	202.0	AML		01:38	56.82	10 0.44	
MCH	HE	202.0	AML		01:38	58.08	12 0.46	
HTR	SZ	206.0	EP		01:38	31.04		0.60
SWN	HE	220.0	AML		01:39	01.86	18 0.68	
SWN	HN	220.0	AML		01:39	03.31	19 0.90	
HGH	SZ	229.0	EP		01:38	34.04		0.76
WOL	BN	239.0	AML		01:39	09.57	6 0.50	
WOL	BE	239.0	AML		01:39	11.17	5 0.85	
ESK	HZ	243.0	EP		01:38	36.40		1.36
ESK	HE	243.0	AML		01:39	15.11	4 0.32	
ESK	HN	243.0	AML		01:39	15.91	3 0.56	
GAL	HZ	276.0	EP		01:38	38.88		-0.23
GAL	HE	276.0	AML		01:39	03.16	2 0.80	
GAL	HN	276.0	AML		01:39	19.53	3 0.44	
KBI	SZ	30.3	EP	C	01:38	04.20		-0.19

March 23 2007 Time: 08:50 42.8 UTC Magnitude: 1.2 ML
Lat: 50.544N Lon: -4.096W Depth: 5.2 km
Grid Ref: 251.51 kmE 73.74 kmN RMS: 0.50 secs
Locality: TAVISTOCK,DEVON
Velocity model: Lownet Xnear: 60.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
DYA	HZ	16.8	EP			08:50	46.06			-0.10
DYA	HE	16.8	ES			08:50	48.46			-0.19
DYA	HE	16.8	AML			08:50	48.65	160	0.07	
DYA	HN	16.8	AML			08:50	48.65	175	0.06	
HTL	HZ	57.1	EP			08:50	53.20			0.58
HTL	HN	57.1	ES			08:50	59.23			-0.60
HTL	HN	57.1	AML			08:51	01.57	14	0.46	
HTL	HE	57.1	AML			08:51	02.23	14	0.20	
CSA	SZ	60.3	EP			08:50	53.92			0.79
CR2	SZ	87.1	EP			08:50	57.29			0.02
CMA	SZ	89.6	EP			08:50	57.44			-0.21
CCA	SZ	89.7	EP			08:50	57.68			-0.02
CCA	SZ	89.7	ES			08:51	08.03			-0.59
MCH	HZ	179.0	EP			08:51	11.18			0.44
MCH	HE	179.0	ES			08:51	32.03			0.85
MCH	HN	179.0	AML			08:51	36.08	2	0.56	
MCH	HE	179.0	AML			08:51	41.21	2	0.56	

March 27 2007 Time: 15:37 37.9 UTC Magnitude: 1.3 ML
Lat: 53.476N Lon: -1.212W Depth: 1.9 km
Grid Ref: 452.29 kmE 398.01 kmN RMS: 0.60 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 300.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KBI	SZ	32.4	EP			15:37	43.73			-0.31
LHO	SZ	43.3	EP			15:37	45.89			-0.03
HPK	HZ	60.1	EP			15:37	49.33			0.74
HPK	HN	60.1	ES			15:37	55.88			-0.51
HPK	HE	60.1	AML			15:38	03.62	6	0.16	
HPK	HN	60.1	AML			15:38	04.12	7	0.16	
KWE	SZ	66.2	EP			15:37	49.49			-0.06
CWF	HZ	82.3	EP			15:37	51.67			-0.36
CWF	HN	82.3	AML			15:38	04.89	11	0.26	
CWF	HE	82.3	AML			15:38	07.17	12	0.28	
MCH	HZ	204.0	EP			15:38	10.27			0.78
MCH	HE	204.0	ES			15:38	34.15			1.60
MCH	HN	204.0	AML			15:38	36.69	5	0.19	
MCH	HE	204.0	AML			15:38	37.59	8	0.30	
ESK	HE	242.0	AML			15:38	54.83	2	0.28	
ESK	HN	242.0	AML			15:38	57.13	3	0.48	

March 29 2007 Time: 22:59 15.0 UTC Magnitude: 1.4 ML
Lat: 53.453N Lon: -1.223W Depth: 2.6 km
Grid Ref: 451.59 kmE 395.45 kmN RMS: 0.50 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 300.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KBI	SZ	30.0	EP			22:59	20.17			-0.15
HPK	HZ	62.1	EP			22:59	25.81			0.24
HPK	HE	62.1	ES			22:59	32.95			-0.38
HPK	HE	62.1	AML			22:59	40.20	6	0.21	
HPK	HN	62.1	AML			22:59	40.61	5	0.14	
KWE	SZ	63.7	EP		C	22:59	26.09			0.25
CWF	HZ	79.7	EP			22:59	28.06			-0.23
CWF	HE	79.7	ES			22:59	37.61			-0.41
CWF	HE	79.7	AML			22:59	39.95	15	0.13	
CWF	HN	79.7	AML			22:59	42.92	10	0.18	
SBD	SZ	149.0	EP			22:59	39.11			0.22
HAE	SZ	181.0	EP			22:59	44.37			1.12
MCH	HZ	202.0	EP			22:59	46.33			0.52
MCH	HN	202.0	ES			23:00	08.46			0.13
MCH	HN	202.0	AML			23:00	12.85	7	0.46	
MCH	HE	202.0	AML			23:00	14.09	9	0.48	
HTR	SZ	206.0	EP			22:59	47.13			0.74
SWN	HE	219.0	AML			23:00	18.13	11	0.62	
SWN	HN	219.0	AML			23:00	19.79	10	0.24	
ESK	HZ	244.0	EP			22:59	52.66			1.52
ESK	HN	244.0	AML			23:00	27.40	3	0.76	
ESK	HE	244.0	AML			23:00	28.45	3	0.34	
GAL	HZ	277.0	EP			22:59	54.91			-0.29
LHO	SZ	43.1	EP		C	22:59	22.30			-0.28

March 30 2007 Time: 08:15 58.0 UTC Magnitude: 2.3 ML
Lat: 53.763N Lon: 1.170W Depth: 9.5 km
Grid Ref: 608.92 kmE 434.32 kmN RMS: 0.40 secs
Locality: SOUTHERN NORTH SEA
Velocity model: Lownet Xnear: 400.0 Xfar: 600.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ABA	SZ	97.3	EP			08:16	14.00			0.09
AWI	SZ	105.0	EP			08:16	15.46			0.33
AEU	SZ	127.0	EP			08:16	18.59			0.22
AEU	SE	127.0	ES			08:16	33.01			-0.25
AEU	SN	127.0	AML			08:16	35.84	82	0.32	
AEU	SE	127.0	AML			08:16	36.22	100	0.28	
HPK	HZ	185.0	EP			08:16	26.92			0.64
HPK	HE	185.0	ES			08:16	47.37			0.41
HPK	HE	185.0	AML			08:16	50.66	20	0.18	
HPK	HN	185.0	AML			08:16	51.84	14	0.18	
KBI	SZ	188.0	EP			08:16	25.85			-0.77
LHO	SZ	201.0	EP			08:16	27.68			-0.69
CWF	HZ	201.0	EP			08:16	28.80			0.56
CWF	HN	201.0	ES			08:16	50.68			0.33
CWF	HE	201.0	AML			08:16	53.24	36	0.16	
CWF	HN	201.0	AML			08:16	54.28	54	0.20	
KWE	SZ	217.0	EP			08:16	29.56			-0.71
XAL	SZ	252.0	EP			08:16	34.87			0.18
CKE	SZ	294.0	EP			08:16	40.13			0.24
ESK	HZ	332.0	EP			08:16	44.56			-0.06
ESK	HN	332.0	AML			08:17	40.06	6	0.20	
ESK	HE	332.0	AML			08:17	46.26	5	0.36	
MCH	HZ	342.0	EP			08:16	45.71			-0.24
MCH	HE	342.0	AML			08:17	33.25	8	0.45	
MCH	HN	342.0	AML			08:17	34.76	9	0.36	
GAL	HZ	402.0	EP			08:16	53.06			-0.29

April 4 2007 Time: 01:08 58.2 UTC Magnitude: 1.0 ML
Lat: 53.459N Lon: -1.274W Depth: 2.3 km
Grid Ref: 448.20 kmE 396.08 kmN RMS: 0.30 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH	HE	200.0	ES			01:09	53.94			2.13
KBI	SZ	28.3	EP			01:09	03.55			-0.02
LHO	SZ	39.7	EP			01:09	05.63			0.10
HPK	HZ	60.2	EP			01:09	08.99			0.18
HPK	HN	60.2	ES			01:09	16.37			-0.18
HPK	HN	60.2	AML			01:09	23.29	5	0.18	
KWE	SZ	62.1	EP			01:09	08.87			-0.26
CWF	HZ	80.2	EP			01:09	11.70			-0.22
XAL	SZ	168.0	EP			01:09	25.73			0.61
CWF	HE	80.2	ES			01:09	22.08			0.16
CWF	HN	80.2	AML			01:09	26.06	6	0.44	
SBD	SZ	146.0	EP			01:09	21.86			-0.19
HLM	SZ	150.0	EP			01:09	23.37			0.75
CWF	HE	80.2	AML			01:09	26.40	8	0.26	
HPK	HE	60.2	AML			01:09	22.93	4	0.28	
WLF	HZ	209.0	EP			01:09	30.88			0.64
MCH	HN	200.0	AML			01:09	55.90	4	0.76	
WLF	HN	209.0	ES			01:09	53.95			0.33
MCH	HE	200.0	AML			01:09	55.65	4	0.44	
MCH	HZ	200.0	EP			01:09	30.10			0.90
HAE	SZ	180.0	EP			01:09	27.66			0.96

April 5 2007 Time: 13:09 40.5 UTC Magnitude: 1.1 ML
Lat: 53.460N Lon: -1.268W Depth: 2.6 km
Grid Ref: 448.60 kmE 396.19 kmN RMS: 0.50 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KBI	SZ	28.7	EP			13:09	45.45			-0.17
HPK	HZ	60.2	EP			13:09	51.41			0.62
HPK	HN	60.2	ES			13:09	57.92			-0.40
HPK	HN	60.2	AML			13:10	03.03	4	0.20	
HPK	HE	60.2	AML			13:10	04.88	5	0.18	
CWF	HZ	80.3	EP			13:09	53.37			-0.53
CWF	HE	80.3	ES			13:10	04.08			0.37
CWF	HE	80.3	AML			13:10	05.46	8	0.15	
CWF	HN	80.3	AML			13:10	07.76	8	0.16	
SBD	SZ	147.0	EP			13:10	05.06			0.99
HLM	SZ	151.0	EP			13:10	04.64			0.01
XAL	SZ	168.0	EP			13:10	07.75			0.67
HAE	SZ	180.0	EP			13:10	09.29			0.61
BBO	SE	192.0	AML			13:10	37.46	3	0.46	
BBO	SN	192.0	AML			13:10	39.25	2	0.22	
MCH	HZ	200.0	EP			13:10	11.25			0.07
MCH	HN	200.0	ES			13:10	35.67			2.07
MCH	HN	200.0	AML			13:10	39.06	3	0.42	
MCH	HE	200.0	AML			13:10	39.29	4	0.52	
HTR	SZ	205.0	EP			13:10	12.38			0.65
LHO	SZ	40.1	EP			13:09	47.51			-0.07
KWE	SZ	62.5	EP			13:09	50.96			-0.20

April 12 2007 Time: 23:22 43.3 UTC Magnitude: 1.1 ML
Lat: 53.463N Lon: -1.264W Depth: 2.3 km
Grid Ref: 448.86 kmE 396.53 kmN RMS: 0.30 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KBI	SZ	29.1	EP		C	23:22	49.10			-0.03
LHO	SZ	40.3	EP			23:22	51.23			0.17
HPK	HZ	60.1	EP			23:22	54.54			0.28
HPK	HN	60.1	ES			23:23	02.02			-0.27
HPK	HE	60.1	AML			23:23	08.53	6	0.22	
HPK	HN	60.1	AML			23:23	08.91	5	0.18	
KWE	SZ	62.9	EP		C	23:22	54.60			-0.11
CWF	HZ	80.6	EP			23:22	57.00			-0.44
CWF	HN	80.6	ES			23:23	08.13			0.33
CWF	HE	80.6	AML			23:23	13.80	6	0.20	
CWF	HN	80.6	AML			23:23	15.19	6	0.30	
SBD	SZ	147.0	EP			23:23	07.41			-0.23
XAL	SZ	168.0	EP			23:23	11.74			1.16
HAE	SZ	181.0	EP			23:23	12.52			0.23
MCH	HZ	201.0	EP			23:23	15.13			0.34
MCH	HE	201.0	ES			23:23	38.19			0.37

TABLE 2 : PHASE DATA

MCH	HN	201.0	AML		23:23	42.35	2	0.76
MCH	HE	201.0	AML		23:23	43.25	4	0.36
WLF	HZ	209.0	EP		23:23	15.88		0.04
ESK	HN	242.0	AML		23:23	54.23	2	0.18
ESK	HE	242.0	AML		23:23	58.44	3	0.70

April 19 2007 Time: 10:18 28.0 UTC Magnitude: 1.4 ML
Lat: 53.474N Lon: -1.257W Depth: 2.6 km
Grid Ref: 449.31 kmE 397.76 kmN RMS: 0.30 secs
Locality: MALTBY,S YORKSHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: C/F,FELT MALTBY AREA Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HPK	HZ	62.2	EP			10:18	38.99			0.32
HPK	HE	62.2	ES			10:18	46.18			-0.27
HPK	HE	62.2	AML			10:18	53.63	9	0.66	
HPK	HN	62.2	AML			10:18	53.65	13	0.52	
CWF	HZ	76.2	EP			10:18	40.87			0.04
CWF	HE	76.2	ES			10:18	50.05			-0.14
CWF	HE	76.2	AML			10:18	54.24	15	0.42	
CWF	HN	76.2	AML			10:18	56.20	11	0.60	
MCH	HE	194.0	ES			10:19	22.28			2.77
MCH	HE	194.0	AML			10:19	25.28	12	0.58	
MCH	HN	194.0	AML			10:19	29.40	7	0.54	
KBI	SZ	21.9	EP			10:18	32.09			-0.19
LHO	SZ	35.8	EP			10:18	34.59			-0.03
KWE	SZ	55.6	EP			10:18	37.93			0.27

April 23 2007 Time: 00:58 13.0 UTC Magnitude: 0.9 ML
Lat: 58.627N Lon: -5.478W Depth: 8.0 km
Grid Ref: 198.10 kmE 976.20 kmN RMS: 0.30 secs
Locality: THE MINCH
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0
Comment: 25KM W OF CAPE WRATH

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
RSC	SZ	35.9	IP		C	00:58	19.49			0.03
RTO	SZ	50.9	IP		D	00:58	21.77			-0.02
REB	SZ	57.7	EP			00:58	22.76			-0.09
RRR	SZ	87.9	EP			00:58	28.43			0.92
RRR	SE	87.9	ES	2		00:58	37.75			-0.33
RRR	SE	87.9	AML			00:58	39.36	4	0.13	
RRR	SN	87.9	AML			00:58	39.51	4	0.21	
ORE	SZ	100.0	EP			00:58	30.35			0.93
ORE	SN	100.0	ES			00:58	41.77			0.38
ORE	SE	100.0	AML			00:58	44.15	3	0.15	
ORE	SN	100.0	AML			00:58	44.19	4	0.10	

April 23 2007 Time: 09:51 40.2 UTC Magnitude: 1.1 ML
Lat: 57.028N Lon: -5.790W Depth: 2.6 km
Grid Ref: 170.03 kmE 799.35 kmN RMS: 0.50 secs
Locality: MALLAIG,HIGHLAND
Velocity model: Lownet Xnear: 50.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KSB	SZ	30.1	EP			09:51	45.68			0.03
KPL	HZ	35.6	IP		D	09:51	46.53			0.03
KPL	HN	35.6	ES			09:51	50.67			-0.40
KPL	HN	35.6	AML			09:51	51.18	8	0.20	
KPL	HE	35.6	AML			09:51	52.12	12	0.44	
KAC	SZ	60.2	EP			09:51	50.53			-0.01
KSK	SZ	73.4	EP			09:51	53.38			0.77
RRR	SN	92.4	ES			09:52	06.10			-0.55
RRR	SE	92.4	AML			09:52	09.62	13	0.15	
RRR	SN	92.4	AML			09:52	10.07	18	0.30	
RRH	SZ	113.0	EP			09:51	58.44			-0.26
REB	SZ	125.0	EP			09:52	01.37			0.76
EAB	SZ	129.0	IP		C	09:52	02.16			0.90
ELO	SZ	142.0	EP			09:52	03.91			0.81
KAR	SZ	12.4	IP		C	09:51	42.75			0.15
KAR	SZ	12.4	ES			09:51	43.84			-0.49

April 24 2007 Time: 04:08 06.2 UTC Magnitude: 1.5 ML
Lat: 54.003N Lon: -3.466W Depth: 5.0 km
Grid Ref: 303.92 kmE 457.35 kmN RMS: 0.30 secs
Locality: IRISH SEA
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
GAL	HE	126.0	ES			04:08	41.88			0.27
GAL	HN	126.0	AML			04:08	43.11	11	0.22	
GAL	HE	126.0	AML			04:08	43.41	14	0.18	
ECK	SZ	133.0	IP		C	04:08	27.58			-0.20
ESK	HZ	147.0	EP			04:08	29.25			-0.55
ESK	HE	147.0	ES			04:08	48.08			1.01
KWE	SZ	154.0	EP			04:08	30.57			-0.21
ESK	HE	147.0	AML			04:08	49.53	12	0.36	
ESK	HN	147.0	AML			04:08	51.97	9	0.38	
KBI	SZ	153.0	EP			04:08	30.88			0.25
MCH	HN	225.0	ES			04:09	05.65			0.98
MCH	HN	225.0	AML			04:09	07.74	3	0.31	
MCH	HE	225.0	AML			04:09	08.25	2	0.43	
HPK	HZ	121.0	EP			04:08	25.80			-0.16
HPK	HE	121.0	AML			04:08	43.53	4	0.28	
GAL	HZ	126.0	EP			04:08	26.24			-0.41
XAL	SZ	125.0	EP			04:08	26.80			0.10
SBD	SZ	123.0	EP			04:08	25.87			-0.45
HPK	HN	121.0	AML			04:08	42.81	6	0.31	
HPK	HE	121.0	ES			04:08	40.81			0.38
LHO	SZ	118.0	EP			04:08	25.45			-0.07
WIM	SZ	80.6	ES			04:08	30.00			0.33
GIM	SN	72.9	AML			04:08	30.84	30	0.20	
GIM	SE	72.9	AML			04:08	30.29	70	0.13	
GIM	SN	72.9	ES			04:08	27.21			-0.36
GIM	SZ	72.9	IP		C	04:08	18.52			-0.01
CKE	SZ	69.2	EP			04:08	17.89			-0.06
WLF	HN	100.0	ES			04:08	35.13			0.26

April 28 2007 Time: 07:18 12.5 UTC Magnitude: 4.3 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 0.70 secs
Locality: FOLKESTONE,KENT
Velocity model: Lownet Xnear: 200.0 Xfar: 400.0
Comment: FELT THROUGHOUT KENT Intensity: 6

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO1	EZ	2.4	EP			07:18	12.62			-1.08
TFO1	EN	2.4	ES			07:18	13.78			-0.83
MENF	SZ	92.1	EP			07:18	27.17			-0.58
MENF	SZ	92.1	ES			07:18	38.71			-0.21
APA	HZ	135.0	IP		C	07:18	34.20			-0.10
SKP	SZ	154.0	EP			07:18	37.22			0.19
WOL	BZ	169.0	IP		D	07:18	39.53			0.39
WOL	BE	169.0	ES			07:19	00.39			1.77
AEU	SZ	169.0	EP			07:18	39.25			0.11
AEU	SN	169.0	ES			07:18	59.37			0.74
WOL	BN	169.0	AML			07:19	06.33	2166	0.43	
WOL	BE	169.0	AML			07:19	07.57	3336	0.61	
AWI	SZ	193.0	EP			07:18	41.95			-0.26
ABA	SZ	199.0	EP			07:18	42.59			-0.29
SKQ	SZ	211.0	EP		D	07:18	44.99			0.60
BOU	SZ	211.0	EP		C	07:18	44.96			0.50
SWN	HZ	212.0	IP		D	07:18	45.01			0.44
SWN	HN	212.0	AML			07:19	16.24	1839	0.61	
SWN	HE	212.0	AML			07:19	27.85	1816	0.68	
UCCB	HZ	227.0	EP			07:18	46.72			0.32
UCCB	HE	227.0	AML			07:19	17.54	1562	0.39	
UCCB	HN	227.0	AML			07:19	18.01	2418	0.41	
SSW	SZ	230.0	EP			07:18	47.01			0.12
BAIF	SZ	244.0	IP		D	07:18	48.37			-0.26
CWF	HZ	249.0	EP			07:18	48.80			-0.43
CWF	HN	249.0	ES			07:19	17.32			1.23
CWF	HE	249.0	AML			07:19	23.93	1902	0.56	
CWF	HN	249.0	AML			07:19	23.95	1825	0.63	
GIVF	SZ	282.0	EP			07:18	52.65			-0.63
HGH	SZ	283.0	EP			07:18	53.53			0.07
FLN	SZ	286.0	IP		D	07:18	52.86			-0.95
LDF	SZ	294.0	IP		D	07:18	53.85			-0.98
KWE	SZ	297.0	EP			07:18	54.56			-0.61
KBI1	SZ	302.0	EP			07:18	55.14			-0.72
MCH	HZ	306.0	IP		D	07:18	55.96			-0.32
MCH	HN	306.0	ES			07:19	29.78			1.50
MCH	HE	306.0	AML			07:19	47.00	616	0.48	
MCH	HN	306.0	AML			07:19	54.80	475	0.71	
JRS	SZ	315.0	IP		D	07:18	56.37			-1.07
JSA	SZ	320.0	IP		D	07:18	56.98			-1.03
STNC	HZ	320.0	EP			07:18	58.01			-0.07
HLM	SZ	321.0	EP			07:18	57.56			-0.63
HTR	SZ	326.0	EP			07:18	58.35			-0.50
GRR	SZ	335.0	IP		D	07:18	58.63			-1.35
HGN	BZ	337.0	EP			07:18	59.45			-0.71
HGN	BE	337.0	AML			07:19	50.76	1488	0.29	
HGN	BN	337.0	AML			07:19	54.07	2423	0.81	
LHO	SZ	341.0	IP		D	07:18	59.75			-1.02
HEX	SZ	348.0	EP			07:19	00.39			-1.22
SBD	SZ	364.0	EP			07:19	02.99			-0.66
DYA	HZ	367.0	EP		D	07:19	02.24			-1.75
DYA	HE	367.0	AML			07:20	08.08	417	0.73	
DYA	HN	367.0	AML			07:20	17.32	711	0.42	
HPK	HZ	370.0	EP			07:19	03.20			-1.12
HPK	HN	370.0	AML			07:20	06.89	327	0.60	
HTL	HZ	397.0	EP			07:19	05.97			-1.64
HTL	HN	397.0	AML			07:20	21.94	325	0.59	
HTL	HE	397.0	AML			07:20	35.94	322	0.50	
RENF	BZ	401.0	EP			07:19	05.29			-2.89
RENF	BN	401.0	AML			07:20	06.07	353	0.39	
RENF	BE	401.0	AML			07:20	08.85	718	0.34	
WTSB	BZ	402.0	EP			07:19	07.18			-1.13
WTSB	BN	402.0	AML			07:20	16.21	906	0.52	
WTSB	BE	402.0	AML			07:20	18.82	1173	0.49	
SGMF	SZ	415.0	IP		D	07:19	08.61			-1.38
CSA	SZ	436.0	EP			07:19	10.90			-1.63
ROSF	SZ	444.0	IP		D	07:19	12.07			-1.50
CMA	SZ	460.0	EP			07:19	13.95			-1.57
CR2	SZ	460.0	EP			07:19	13.77			-1.80
CCA	SZ	464.0	E		D	07:19	14.12			
CCA	SZ	464.0	EP		D	07:19	14.12			-1.90
LOR	SZ	469.0	EP			07:19	15.95			-0.83
QUIF	SZ	473.0	IP		D	07:19	15.41			-1.78
XAL	SZ	476.0	EP			07:19	16.09			-1.54
SSF	SZ	481.0	EP			07:19	17.20			-0.97
CKE	SZ	483.0	EP			07:19	16.97			-1.49
CPZ	SZ	489.0	EP			07:19	17.33			-1.85
BDL	SZ	496.0	EP			07:19	18.78			-1.24
BBO	SZ	502.0	EP			07:19	19.47			-1.30
AVF	SZ	505.0	EP			07:19	19.95			-1.28
HAU	SZ	509.0	EP			07:19	20.98			-0.75
MFF	SZ	510.0	EP			07:19	19.29			-2.48
BGF	SZ	520.0	EP			07:19	21.85			-1.26
GIM	SZ	521.0	EP			07:19	21.63			-1.53
GIM	SN	521.0	ES			07:20	14.02			-0.77
GIM	SE	521.0	AML			07:20	20.79	130	0.13	
GIM	SN	521.0	AML			07:20	20.83	97	0.13	
BBH	SZ	526.0	EP			07:19	22.53			-1.26
CDF	SZ	532.0	EP			07:19	22.93			-1.80
BHH	SZ	532.0	EP			07:19	23.34			-1.28
SMF	SZ	533.0	EP			07:19	23.24			-1.48
ECK	SZ	537.0	EP			07:19	23.48			-1.77
XSO	SZ	539.0	EP			07:19	23.69			-1.83
TCF	SZ	541.0	EP			07:19	24.22			-1.51
HINF	SZ	550.0	EP			07:19	26.32			-0.66
ESK	HZ	552.0	EP			07:19	25.46			-1.67
ESK	HN	552.0	ES			07:20	19.17			-2.48
CHIF	BZ	565.0	EP			07:19	26.52			-2.08
CHIF	BN	565.0	ES			07:20	23.24			-0.95
CHIF	BE	565.0	AML			07:20	59.49	140	0.65	
CHIF	BN	565.0	AML			07:21	07.72	200	0.65	
DSB	BZ	568.0	EP			07:19	27.16			-1.89

TABLE 2 : PHASE DATA

GAL	HZ	575.0	EP		07:19	27.90		-2.07
GAL	HN	575.0	AML		07:21	01.82	132 0.69	
GAL	HE	575.0	AML		07:21	04.46	114 0.68	
EBL	SZ	590.0	EP		07:19	30.24		-1.65
ESY	SZ	592.0	EP		07:19	30.28		-1.77
BFO	BZ	601.0	EP		07:19	31.93		-1.34
BFO	BN	601.0	AML		07:21	11.91	116 0.74	
BFO	BE	601.0	AML		07:21	12.19	127 0.74	
BOURR	BZ	604.0	EP		07:19	33.26		-0.40
BOURR	BN	604.0	ES		07:20	34.79		1.85
BOURR	BE	604.0	AML		07:21	23.20	100 0.63	
BOURR	BN	604.0	AML		07:21	25.79	80 0.70	
EDI	HZ	609.0	EP		07:19	33.16		-1.05
EDI	HN	609.0	ES		07:20	32.94		-0.95
EDI	HE	609.0	AML		07:21	15.09	240 0.83	
EDI	HN	609.0	AML		07:21	15.60	240 0.56	
EAU	SZ	610.0	EP		07:19	33.11		-1.26
CABF	SZ	616.0	EP		07:19	34.11		-1.12
PCA1	SZ	626.0	EP		07:19	34.73		-1.59
STU	BZ	631.0	EP		07:19	37.74		0.73
STU	BN	631.0	AML		07:21	18.60	290 0.68	
STU	BE	631.0	AML		07:21	18.80	278 0.55	
PGB	HZ	644.0	EP		07:19	37.05		-1.56
PGB	HE	644.0	AML		07:21	29.46	84 0.78	
PGB	HN	644.0	AML		07:21	36.28	94 0.68	
RJF	SZ	645.0	EP		07:19	36.36		-2.38
EBH	SZ	651.0	EP		07:19	37.77		-1.65
EAB	SZ	673.0	EP		07:19	40.37		-1.81
ELO	SZ	678.0	EP		07:19	41.22		-1.70
LFF	SZ	686.0	EP		07:19	41.54		-2.25
CAF	SZ	690.0	EP		07:19	42.16		-2.22
MOX	BZ	736.0	EP		07:19	49.38		-0.74
VIVF	SZ	742.0	EP		07:19	49.53		-1.34
LPL	SZ	745.0	IP	D	07:19	51.04		-0.57
LPG	SZ	748.0	EP		07:19	51.48		-0.55
ORIF	SZ	772.0	EP		07:19	53.82		-0.89
MCD	SZ	776.0	EP		07:19	52.20		-2.93
MDO	SZ	792.0	EP		07:19	55.34		-1.75
KAR1	SZ	793.0	EP		07:19	55.27		-1.89
MUD	BZ	795.0	EP		07:19	54.76		-2.67
LASF	SZ	807.0	EP		07:19	57.92		-1.03
MBDF	SZ	823.0	EP		07:20	01.53		0.36
KPL	HZ	824.0	EP		07:19	59.35		-1.66
CLL	BZ	826.0	EP		07:20	00.01		-1.37
KAC	SZ	827.0	EP		07:19	59.32		-2.06
MVH1	SZ	834.0	EP		07:19	59.77		-2.59
MLA1	SZ	853.0	EP		07:20	01.61		-3.09
MTLF	SZ	866.0	EP		07:20	03.77		-2.61
RRR	SZ	877.0	EP		07:20	05.36		-2.25
RRR	SN	877.0	AML		07:21	47.04	55 0.63	
RRR	SE	877.0	AML		07:21	47.45	47 0.49	
ORE	SZ	887.0	EP		07:20	05.14		-3.78
SNART	EZ	894.0	EP		07:20	05.17		-4.64
SNART	EZ	894.0	ES		07:21	27.23		-8.25
EPF	SZ	899.0	EP		07:20	06.83		-3.76
RSC	SZ	903.0	EP		07:20	08.20		-2.76
SJPF	SZ	906.0	EP		07:20	07.26		-4.13
RRH	SZ	913.0	EP		07:20	09.79		-2.33
STAV	SN	919.0	ES		07:21	36.68		-4.06
SBF	SZ	932.0	EP		07:20	15.11		0.39
FRF	SZ	934.0	EP		07:20	13.79		-1.08
KMY	SZ	938.0	EP		07:20	11.27		-4.06
KMY	SN	938.0	ES		07:21	40.74		-4.30
RTO	SZ	938.0	EP		07:20	12.81		-2.48
LMR	SZ	953.0	EP		07:20	17.11		-0.05
BLS5	SZ	985.0	EP		07:20	18.60		-2.65
BLS5	SZ	985.0	ES		07:21	50.44		-4.84
LRW	HZ	1017.0	EP		07:20	21.32		-3.81
LRW	HE	1017.0	AML		07:22	17.58	19 0.56	
LRW	HN	1017.0	AML		07:22	21.67	19 0.73	
ODD1	SZ	1039.0	EP		07:20	24.53		-3.53
EGD	EZ	1052.0	EP		07:20	24.50		-5.02
EGD	EZ	1052.0	ES		07:22	06.11		-3.48
RUND	SZ	1069.0	EP		07:20	30.89		-0.92
RUND	SZ	1069.0	ES		07:22	09.93		-3.62
ASK	EZ	1074.0	EP		07:20	27.11		-5.12
ASK	EZ	1074.0	ES		07:22	08.56		-5.70
SUE	SZ	1131.0	EP		07:20	35.07		-4.28
SUE	SZ	1131.0	ES		07:22	21.28		-5.31
HYA	SZ	1163.0	EP		07:20	40.16		-3.20
ECAL	BZ	1183.0	EP		07:20	42.06		-4.09
DOMB	SZ	1314.0	EP		07:20	58.47		-3.90

April 28 2007 Time: 07:20 55.6 UTC Magnitude: 1.7 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 8.20 secs
Locality: FOLKESTONE,KENT
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO1	SZ	2.4	IP		D	07:21	02.67			5.81
TFO1	SN	2.4	ES			07:21	03.57			5.79
TFO1	SE	2.4	AML			07:21	04.00	918	0.15	
TFO1	SZ	2.4	AML			07:21	04.05	644	0.15	
TFO1	SN	2.4	AML			07:21	04.14	1035	0.16	
TBW	SZ	86.7	EP			07:20	58.47			-11.60

April 28 2007 Time: 07:24 01.9 UTC Magnitude: 1.1 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 5.60 secs
Locality: FOLKESTONE,KENT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO1	SZ	2.4	EP			07:24	07.20			4.02
TFO1	SN	2.4	ES			07:24	08.03			3.94
TFO1	SZ	2.4	AML			07:24	08.56	86	0.18	
TFO1	SE	2.4	AML			07:24	08.63	308	0.29	
TFO1	SN	2.4	AML			07:24	08.66	374	0.17	
TEB	SZ	78.5	EP			07:24	07.16			-7.95

April 28 2007 Time: 08:40 52.4 UTC Magnitude: 1.0 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 0.10 secs
Locality: FOLKESTONE,KENT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO	EZ	2.4	EP			08:40	53.47			-0.15
TFO	EN	2.4	ES			08:40	54.68			0.15
TFO	EE	2.4	AML			08:40	54.78	159	0.12	
TFO	EN	2.4	AML			08:40	54.83	157	0.10	

April 28 2007 Time: 11:11 00.7 UTC Magnitude: 1.7 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 5.50 secs
Locality: FOLKESTONE,KENT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO1	SZ	2.4	EP		D	11:11	05.78			3.88
TFO1	SE	2.4	ES			11:11	06.66			3.85
TFO1	SZ	2.4	AML			11:11	07.10	818	0.10	
TEB	SZ	78.5	EP			11:11	06.11			-7.72

April 28 2007 Time: 15:28 30.6 UTC Magnitude: 0.9 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 0.00 secs
Locality: FOLKESTONE,KENT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO	EZ	2.4	EP			15:28	31.93			0.05
TFO	EZ	2.4	E		D	15:28	31.97			
TFO	EN	2.4	ES			15:28	32.75			-0.05
TFO	EE	2.4	AML			15:28	33.07	115	0.17	
TFO	EN	2.4	AML			15:28	33.16	156	0.08	

April 29 2007 Time: 06:51 05.5 UTC Magnitude: 1.4 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 5.60 secs
Locality: FOLKESTONE,KENT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO1	SZ	2.4	IP		D	06:51	10.76			3.98
TFO1	SE	2.4	ES			06:51	11.57			3.88
TFO1	SZ	2.4	AML			06:51	11.91	204	0.10	
TFO1	SE	2.4	AML			06:51	12.05	520	0.13	
TFO1	SN	2.4	AML			06:51	12.12	688	0.18	
TEB	SZ	78.5	EP			06:51	10.85			-7.86

April 29 2007 Time: 13:17 17.6 UTC Magnitude: 0.8 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 0.00 secs
Locality: FOLKESTONE,KENT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO	EZ	2.4	EP			13:17	18.89			0.00
TFO	EZ	2.4	E			13:17	19.00			
TFO	EN	2.4	ES			13:17	19.81			0.00
TFO	EE	2.4	AML			13:17	20.18	91	0.10	
TFO	EN	2.4	AML			13:17	20.25	149	0.09	

May 1 2007 Time: 07:36 14.9 UTC Magnitude: 1.4 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 0.10 secs
Locality: FOLKESTONE,KENT
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO1	SZ	2.4	E		D	07:36	16.09			
TFO1	SZ	2.4	IP		C	07:36	16.22			0.08
TFO1	SN	2.4	ES			07:36	16.98			-0.08
TFO1	SE	2.4	AML			07:36	17.48	305	0.11	
TFO1	SN	2.4	AML			07:36	17.52	707	0.10	

May 2 2007 Time: 21:50 14.9 UTC Magnitude: 1.5 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 0.10 secs
Locality: FOLKESTONE,KENT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO1	SZ	2.4	IP		C	21:50	16.22			0.11
TFO1	SZ	2.4	E			21:50	16.29			
TFO1	SE	2.4	ES			21:50	16.92			-0.11
TFO1	SZ	2.4	AML			21:50	17.92	488	0.22	

May 2 2007 Time: 21:51 08.2 UTC Magnitude: 1.4 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 0.10 secs
Locality: FOLKESTONE,KENT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO1	SZ	2.4	IP		C	21:51	09.55			0.07
TFO1	SZ	2.4	E			21:51	09.69			
TFO1	SN	2.4	ES			21:51	10.33			-0.07
TFO1	SE	2.4	AML			21:51	10.89	393	0.08	
TFO1	SN	2.4	AML			21:51	10.97	578	0.18	

May 4 2007 Time: 01:47 40.3 UTC Magnitude: 0.9 ML
Lat: 55.141N Lon: -3.187W Depth: 2.6 km
Grid Ref: 324.35 kmE 583.61 kmN RMS: 0.30 secs
Locality: LOCKERBIE,D & G
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0
Comment: 8KM EAST OF LOCKERBIE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ECK	SZ	5.8	IP		C	01:47	41.84			-0.02
ECK	SZ	5.8	ES			01:47	43.11			0.15
ESK	HZ	19.6	IP		C	01:47	44.12			-0.05
ESK	HE	19.6	ES			01:47	46.79			-0.18
ESK	HN	19.6	AML			01:47	46.98	17	0.18	
ESK	HE	19.6	AML			01:47	46.99	34	0.20	
EBL	SZ	70.9	EP			01:47	52.97			0.37
XSO	SZ	71.2	EP			01:47	52.19			-0.47
EAU	SZ	80.1	EP			01:47	54.56			0.54
EDI	HZ	87.1	EP			01:47	55.70			0.64
EDI	HE	87.1	AML			01:48	10.43	5	0.20	
EDI	HN	87.1	AML			01:48	10.51	3	0.29	

TABLE 2 : PHASE DATA

ESY	SZ	93.7	EP		01:47	56.64			0.51
GAL	HZ	102.0	EP		01:47	56.53			-0.86
GAL	HN	102.0	AML		01:48	11.16	8	0.28	
GAL	HE	102.0	AML		01:48	11.70	3	0.10	
PGB	HZ	111.0	EP		01:47	59.04			0.29
PGB	HE	111.0	AML		01:48	14.41	3	0.54	
PGB	HN	111.0	AML		01:48	14.94	2	0.24	

May 4 2007 Time: 07:01 23.5 UTC Magnitude: 1.3 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 5.60 secs
Locality: FOLKESTONE,KENT

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO1	SZ	2.4	EP			07:01	28.75			4.03
TFO1	SE	2.4	ES			07:01	29.58			3.95
TFO1	SE	2.4	AML			07:01	30.08	313	0.16	
TFO1	SN	2.4	AML			07:01	30.22	359	0.09	
TEB	SZ	78.5	EP			07:01	28.68			-7.97

May 5 2007 Time: 05:09 18.9 UTC Magnitude: 1.2 ML
Lat: 51.102N Lon: 1.169W Depth: 5.3 km
Grid Ref: 621.83 kmE 138.47 kmN RMS: 0.30 secs
Locality: FOLKESTONE,KENT
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
TFO1	HZ	2.4	EP			05:09	19.84			-0.26
TFO1	HE	2.4	ES			05:09	20.74			-0.27
TFO1	SE	2.4	AML			05:09	21.07	200	0.18	
TFO1	SN	2.4	AML			05:09	21.13	292	0.10	
ANVG	HZ	15.6	EP			05:09	21.91			-0.10
ANVG	HN	15.6	ES			05:09	24.83			0.52
SHXH	HZ	24.4	EP		D	05:09	23.60			0.11

May 28 2007 Time: 05:27 07.8 UTC Magnitude: 2.5 ML
Lat: 53.371N Lon: 2.444W Depth: 5.0 km
Grid Ref: 695.56 kmE 395.25 kmN RMS: 0.40 secs
Locality: SOUTHERN NORTH SEA
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AWI1	SZ	89.8	EP			05:27	22.56			-0.17
ABA1	SZ	102.0	EP			05:27	24.63			-0.03
AEU	SZ	117.0	EP			05:27	26.75			-0.12
AEU	SE	117.0	AML			05:27	41.78	130	0.12	
AEU	SN	117.0	AML			05:27	43.78	112	0.16	
APAE	SZ	136.0	EP			05:27	30.00			0.24
CWF	HZ	261.0	EP			05:27	46.14			0.05
CWF	HN	261.0	ES			05:28	15.48			1.43
CWF	HN	261.0	AML			05:28	23.18	32	0.36	
CWF	HE	261.0	AML			05:28	28.32	24	0.66	
KBI1	SZ	265.0	EP			05:27	46.36			-0.22
KWE	SZ	289.0	EP			05:27	50.12			0.52

June 4 2007 Time: 17:34 45.9 UTC Magnitude: 3.9 ML
Lat: 57.010N Lon: 1.808W Depth: 5.0 km
Grid Ref: 631.17 kmE 797.41 kmN RMS: 0.60 secs
Locality: CENTRAL NORTH SEA
Velocity model: North Sea Xnear: 500.0 Xfar: 1500.0
Comment: FELT NORTH SEA OILRIG Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESY	SZ	298.0	EP			17:35	28.15			0.13
XSO	SZ	303.0	EP		D	17:35	28.85			0.24
XSO	SZ	303.0	ES			17:36	11.46			0.99
STAV	SN	315.0	ES			17:36	02.89			0.69
STAV	SE	315.0	AML			17:36	20.51	219	0.67	
STAV	SN	315.0	AML			17:36	20.53	290	0.67	
KMY	SZ	317.0	EP			17:35	29.67			-0.67
EBL	SZ	330.0	EP			17:35	31.87			-0.06
EDI	HZ	331.0	EP			17:35	32.25			0.24
EDI	HE	331.0	ES			17:36	06.45			0.77
EDI	HE	331.0	AML			17:36	34.07	492	0.70	
EDI	HN	331.0	AML			17:36	35.36	513	0.47	
EBH	SZ	337.0	EP			17:35	32.68			-0.15
ELO	SZ	343.0	EP			17:35	34.07			0.50
XAL	SZ	347.0	EP			17:35	33.71			-0.35
EAU	SZ	349.0	EP			17:35	35.08			0.76
EKB	BZ	361.0	EP		D	17:35	35.83			0.01
ESK	HZ	364.0	EP		D	17:35	36.08			-0.08
ESK	HE	364.0	ES			17:36	14.27			1.43
ESK	HN	364.0	AML			17:36	38.12	277	0.44	
ESK	HE	364.0	AML			17:36	57.06	298	0.80	
ECK	SZ	369.0	EP		D	17:35	36.54			-0.19
ORE	SN	373.0	ES			17:36	14.28			-0.46
ORE	SE	373.0	AML			17:36	23.09	77	0.40	
ORE	SN	373.0	AML			17:36	50.19	136	0.62	
BLS5	SN	383.0	ES			17:36	18.62			1.63
BLS5	SN	383.0	AML			17:36	38.49	290	0.63	
BLS5	SE	383.0	AML			17:36	39.07	253	0.58	
BDL	SZ	385.0	EP			17:35	38.42			-0.36
LRW	HZ	389.0	EP			17:35	38.83			-0.42
LRW	HN	389.0	AML			17:36	30.63	76	1.08	
LRW	HE	389.0	AML			17:37	00.06	75	0.64	
BWH	SZ	396.0	EP			17:35	39.69			-0.50
HPK	HN	403.0	AML			17:37	02.69	597	0.59	
HPK	HE	403.0	AML			17:37	07.09	574	0.56	
PGB1	HZ	411.0	EP		D	17:35	42.10			0.17
PGB1	HE	411.0	AML			17:36	52.87	281	0.56	
PGB1	HN	411.0	AML			17:37	09.37	295	0.56	
WAL1	SZ	413.0	EP			17:35	42.75			0.56
EGD	EZ	414.0	EP		C	17:35	41.98			-0.34
ODD1	SN	428.0	AML			17:36	52.71	152	0.64	
ODD1	SE	428.0	AML			17:36	56.65	218	0.60	
BER	HZ	428.0	EP			17:35	43.38			-0.67
RUND	SZ	431.0	EP			17:35	45.87			1.30
GCD	SZ	431.0	EP			17:35	44.26			-0.25
ASK	EZ	433.0	EP		C	17:35	43.82			-0.89
RSC	SZ	442.0	EP			17:35	45.75			-0.06
REB	SZ	442.0	EP			17:35	45.38			-0.41
LHO	SZ	450.0	EP			17:35	46.71			-0.20
KPL	HZ	453.0	EP		D	17:35	46.88			-0.25
KPL	HN	453.0	AML			17:37	03.43	151	0.64	
KPL	HE	453.0	AML			17:37	17.40	92	0.60	
MUD	BZ	454.0	EP			17:35	47.64			0.27
ABA1	SZ	461.0	EP			17:35	48.69			0.53
RRR	SZ	467.0	EP		D	17:35	48.69			-0.21
RRR	SN	467.0	ES			17:36	34.04			-0.86
RRR	SE	467.0	AML			17:36	38.31	128	0.52	
RRR	SN	467.0	AML			17:37	20.15	129	0.54	
KBI1	SZ	469.0	EP			17:35	49.08			-0.12
GAL1	HN	472.0	AML			17:37	21.21	171	0.74	
GAL1	HE	472.0	AML			17:37	21.97	121	0.72	
SUE	SN	482.0	ES			17:36	37.35			-0.72
AEU	SZ	490.0	EP			17:35	52.08			0.29
GMK	SZ	495.0	EP			17:35	52.66			0.20
RTO	SZ	501.0	EP		D	17:35	52.84			-0.38
KWE	SZ	502.0	EP			17:35	53.14			-0.16
CWF	HZ	516.0	EP			17:35	54.68			-0.32
CWF	HE	516.0	AML			17:37	37.18	119	0.58	
CWF	HN	516.0	AML			17:37	37.57	92	0.54	
RRH	SZ	520.0	EP			17:35	55.02			-0.44
HYA	SE	526.0	ES			17:36	48.28			0.57
HYA	SE	526.0	AML			17:37	28.01	95	0.83	
HYA	SN	526.0	AML			17:37	31.54	82	0.60	
GCL	SZ	539.0	EP			17:35	58.02			0.14
GMM	SZ	578.0	EP			17:36	02.26			-0.41
SSW	SZ	609.0	EP			17:36	07.07			0.46
SKP1	SZ	613.0	EP			17:36	07.61			0.58
HAE	SZ	621.0	EP			17:36	08.03			-0.03
BSEG	BZ	637.0	EP		D	17:36	09.52			-0.53
MCH1	HE	639.0	AML			17:38	05.89	70	0.54	
MCH1	HN	639.0	AML			17:38	09.10	101	0.60	
HTR	SZ	639.0	EP			17:36	10.16			-0.20
WOL	BZ	664.0	EP			17:36	13.84			0.42
HGH	SZ	669.0	EP			17:36	13.81			-0.19
DSB	BZ	669.0	EP			17:36	13.98			0.00
NAO01	BZ	674.0	EP		D	17:36	15.37			0.66
SWK	SZ	704.0	EP			17:36	18.83			0.44
NRDL	BZ	733.0	EP		D	17:36	20.71			-1.18
HGN	BZ	746.0	EP			17:36	24.33			0.76
HEX	SZ	756.0	EP			17:36	24.76			-0.11
HTL	HZ	786.0	EP			17:36	27.79			-0.73
DOU	BZ	791.0	EP			17:35	28.75			-60.50
CLZ	BZ	799.0	EP		D	17:36	28.52			-1.68
DYA	HZ	823.0	EP			17:36	32.49			-0.72
BSD	BZ	842.0	EP			17:36	34.07			-1.41
MOX	BZ	957.0	EP			17:36	50.53			0.67
BFO	BZ	1060.0	EP			17:37	02.52			-0.19
ROTZ	BZ	1060.0	EP		D	17:37	02.82			0.21
TUE	BZ	1281.0	EP			17:37	31.61			1.40
EAB	SZ	388.0	EP			17:35	39.42			0.25
ORE	SZ	373.0	EP			17:35	37.61			
KONO	BZ	542.0	EP			17:35	57.82			
KONO	BZ	542.0	ES			17:36	51.76			0.58
GAL1	HZ	472.0	EP		D	17:35	49.30			
CLL	BZ	966.0	EP			17:36	49.17			
BRG	BZ	1047.0	EP			17:36	59.03			
BLS5	SZ	383.0	EP		D	17:35	40.19			
STAV	SZ	315.0	EP			17:35	30.48			0.48
HYA	SZ	526.0	EP		D	17:35	57.08			0.77
ODD1	SZ	428.0	EP			17:35	43.75			-0.44
SUE	SZ	482.0	EP		C	17:35	49.88			
SNART	EZ	355.0	EP			17:35	35.30			0.33
DOMB	SZ	698.0	EP			17:36	16.98			-0.76
MCH1	HZ	639.0	EP			17:36	09.92			
HPK	HZ	403.0	EP		C	17:35	40.87			

June 9 2007 Time: 13:03 07.3 UTC Magnitude: 1.6 ML
Lat: 56.280N Lon: -5.012W Depth: 8.7 km
Grid Ref: 213.56 kmE 713.79 kmN RMS: 0.40 secs
Locality: INVERARAY,STRATHCLYDE
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PMS1	SZ	51.1	EP			13:03	16.57			0.43
PGB1	HZ	61.7	IP		C	13:03	18.01			0.26
PGB1	HE	61.7	ES			13:03	24.93			-0.45
PGB1	HN	61.7	AML			13:03	26.17	34	0.16	
PGB1	HE	61.7	AML			13:03	26.47	37	0.22	
KAR1	SZ	87.0	EP			13:03	21.69			0.02
KSB	SZ	106.0	EP			13:03	24.58			-0.15
EDI	HZ	120.0	EP			13:03	26.61			-0.18
EDI	HN	120.0	AML			13:03	43.23	11	0.16	
EDI	HE	120.0	AML			13:03	43.86	8	0.27	
KPL	HZ	124.0	EP			13:03	27.35			0.03
KPL	HE	124.0	ES			13:03	41.79			-0.15
KPL	HE	124.0	AML			13:03	41.92	31	0.59	
KPL	HN	124.0	AML			13:03	44.69	12	0.18	
MDO	SZ	135.0	EP			13:03	28.90			-0.07
MDO	SZ	135.0	ES			13:03	44.40			-0.38
KAC	SZ	137.0	EP			13:03	28.99			-0.17
ESK	HZ	156.0	EP			13:03	31.55			-0.37
ESK	HN	156.0	AML			13:03	52.08	12	0.32	
ESK	HE	156.0	AML			13:03	52.78	7	0.15	
GAL1	HZ	159.0	EP			13:03	32.43			0.18
GAL1	HE	159.0	ES			13:03	50.26			-0.20
GAL1	HE	159.0	AML			13:03	52.01	8	0.26	
GAL1	HN	159.0	AML			13:03	53.18	6	0.22	
MME1	SZ	170.0	EP			13:03	34.68			0.81
MCD	SZ	180.0	EP			13:03	36.01			0.90
MCD	SN	180.0	AML			13:03	59.17	7	0.27	
MCD	SE	180.0	AML			13:04	00.25	13	0.26	

June 17 2007 Time: 22:06 39.7 UTC Magnitude: 2.2 ML
Lat: 56.179N Lon: -10.339W Depth: 15.0 km
Grid Ref: -116.93 kmE 729.81 kmN RMS: 0.40 secs
Locality: NORTHERN ATLANTIC

TABLE 2 : PHASE DATA

Velocity model: Lownet Xnear: 300.0 Xfar: 600.0
Comment: 160KM NW OF IRELAND

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
RRR	SE	333.0	ES			22:07	59.33			-0.37
RRR	SN	333.0	AML			22:08	02.50	6	0.17	
RRR	SZ	333.0	EP			22:07	25.95			-0.01
KSB	SZ	322.0	EP			22:07	25.07			0.33
KPL	HN	314.0	AML			22:08	00.52	8	0.13	
KAR1	SZ	289.0	EP			22:07	20.96			0.40
KPL	HE	314.0	AML			22:07	59.56	7	0.23	
KPL	HZ	314.0	EP			22:07	23.37			-0.28
GMK	SZ	312.0	EP			22:07	23.25			-0.14
GCL	SZ	292.0	EP			22:07	20.67			-0.28
PGB1	HE	368.0	AML			22:08	11.21	6	0.21	
PGB1	HZ	368.0	EP			22:07	30.51			0.16
KAC	SZ	341.0	EP			22:07	27.53			0.52
PMS1	SZ	351.0	EP			22:07	28.66			0.38
RRR	SE	333.0	AML			22:08	02.43	4	0.12	
KPL	HE	314.0	ES			22:07	55.23			-0.49
GAL1	HE	384.0	AML			22:08	12.81	4	0.18	
GAL1	HE	384.0	ES			22:08	10.96			0.10
GAL1	HZ	384.0	EP			22:07	31.92			-0.49
GAL1	HN	384.0	AML			22:08	12.98	6	0.23	
REB	SZ	375.0	EP			22:07	31.34			0.13
PGB1	HN	368.0	AML			22:08	10.11	7	0.21	
PGB1	HE	368.0	ES			22:08	08.00			0.70
GMM	SZ	353.0	EP			22:07	28.09			-0.45

June 30 2007 Time: 00:06 13.2 UTC Magnitude: 1.6 ML
Lat: 53.414N Lon: -2.686W Depth: 11.0 km
Grid Ref: 354.41 kmE 391.05 kmN RMS: 0.60 secs
Locality: ST HELENS,MERSEYSIDE
Velocity model: Lownet Xnear: 100.0 Xfar: 250.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH1	HZ	159.0	EP			00:06	38.75			0.68
MCH1	SZ	159.0	EP			00:06	38.98			
MCH1	SN	159.0	ES			00:06	56.89			0.64
MCH1	SE	159.0	AML			00:06	58.44	9	0.18	
MCH1	SN	159.0	AML			00:06	59.62	9	0.26	
GAL1	HZ	209.0	EP			00:06	43.42			-0.88
ESK	HE	214.0	ES			00:07	06.61			-1.67
GAL1	HE	209.0	ES			00:07	05.03			-2.00
GAL1	HN	209.0	AML			00:07	05.08	8	0.56	
GAL1	HE	209.0	AML			00:07	05.60	2	0.26	
ESK	HE	214.0	AML			00:07	07.10	4	0.34	
ESK	HN	214.0	AML			00:07	17.73	5	0.60	
CWF	HZ	119.0	EP			00:06	32.28			-0.07
HLM1	SZ	101.0	ES			00:06	41.09			-0.66
CWF	HE	119.0	AML			00:06	49.32	10	0.12	
HTR	SZ	154.0	EP			00:06	38.11			0.78
HAE	SZ	154.0	EP			00:06	37.79			0.50
HBL2	E	154.0	ES			00:06	55.71			0.74
CWF	HN	119.0	AML			00:06	49.24	10	0.14	
CWF	HE	119.0	ES			00:06	45.99			-0.37
HPK	HN	92.6	AML			00:06	41.06	30	0.16	
HPK	HE	92.6	AML			00:06	40.51	29	0.22	
HPK	HN	92.6	ES			00:06	39.52			-0.04
HPK	HZ	92.6	EP			00:06	28.58			0.16
KBI1	SZ	79.2	EP			00:06	26.50			0.16
KWE	SZ	71.7	EP			00:06	25.24			0.04
SBD1	SZ	68.4	EP			00:06	24.52			-0.19
LHO	SZ	57.1	EP			00:06	22.83			-0.13

June 30 2007 Time: 01:49 18.6 UTC Magnitude: 1.3 ML
Lat: 51.728N Lon: -3.419W Depth: 7.5 km
Grid Ref: 302.01 kmE 204.26 kmN RMS: 0.30 secs
Locality: ABERDARE,MID GLAMORGAN
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HTL	HN	110.0	AML			01:49	50.08	21	0.54	
SSW	SZ	111.0	EP			01:49	37.33			0.58
SBD1	SZ	131.0	EP			01:49	40.40			0.58
DYA	HE	148.0	ES			01:49	59.28			-0.11
DYA	HN	148.0	AML			01:49	59.86	8	0.20	
CWF	HN	183.0	AML			01:50	08.87	3	0.32	
DYA	HE	148.0	AML			01:50	00.14	5	0.23	
CWF	HN	183.0	ES			01:50	08.31			0.89
CWF	HE	183.0	AML			01:50	09.42	3	0.13	
MCH1	HE	41.7	AML			01:49	31.36	10	0.20	
HEX	SZ	78.3	ES			01:49	40.94			-0.20
HTL	HE	110.0	AML			01:49	49.56	12	0.68	
HTL	HN	110.0	ES			01:49	49.55			-0.13
HTL	HZ	110.0	EP			01:49	36.76			0.20
HEX	SZ	78.3	IP		C	01:49	31.72			0.10
HBL2	N	44.4	ES			01:49	31.89			-0.23
HGH	SZ	43.6	IP		D	01:49	26.17			-0.06
MCH1	HN	41.7	AML			01:49	31.41	20	0.24	
MCH1	HE	41.7	ES			01:49	31.14			-0.16
MCH1	HZ	41.7	IP		C	01:49	25.79			-0.15
HTR	SZ	40.3	IP		C	01:49	25.68			-0.08

July 4 2007 Time: 17:34 22.1 UTC Magnitude: 1.5 ML
Lat: 52.400N Lon: -2.580W Depth: 12.7 km
Grid Ref: 360.54 kmE 278.20 kmN RMS: 0.40 secs
Locality: LUDLOW,SHROPSHIRE
Velocity model: Mid Wales Xnear: 80.0 Xfar: 200.0
Comment: 10KM EAST OF LUDLOW

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH1	HZ	53.2	EP		C	17:34	31.28			-0.13
MCH1	HE	53.2	ES			17:34	37.50			-0.58
MCH1	HN	53.2	AML			17:34	38.10	34	0.18	
MCH1	HE	53.2	AML			17:34	38.25	32	0.22	
SSW	SZ	69.4	EP			17:34	34.77			0.76
KWE	SZ	84.8	EP		C	17:34	35.73			-0.60
CWF	HZ	94.1	EP			17:34	37.75			0.04
CWF	HN	94.1	ES			17:34	48.66			-0.27
CWF	HN	94.1	AML			17:34	51.31	8	0.09	
CWF	HE	94.1	AML			17:34	52.80	6	0.09	
KBI1	SZ	119.0	EP			17:34	41.47			0.07
HPK	HZ	185.0	EP			17:34	51.08			0.59
HPK	HE	185.0	ES			17:35	11.11			0.20
HPK	HE	185.0	AML			17:35	13.52	14	0.30	
HPK	HN	185.0	AML			17:35	13.53	14	0.70	
HBL2	N	49.9	ES			17:34	37.13			-0.08
HGH	SZ	86.3	IP		C	17:34	36.72			0.18
HLM1	SZ	24.3	EP			17:34	27.15			0.29
HLM1	SZ	24.3	ES			17:34	30.10			-0.16
HTR	SZ	59.1	IP		C	17:34	32.29			-0.09
SBD1	SZ	72.6	EP			17:34	35.01			0.50

July 8 2007 Time: 20:04 28.2 UTC Magnitude: 2.0 ML
Lat: 54.213N Lon: -3.257W Depth: 16.6 km
Grid Ref: 318.04 kmE 480.44 kmN RMS: 0.40 secs
Locality: MILLOM,CUMBRIA
Velocity model: Borders Xnear: 150.0 Xfar: 300.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
GAL1	HE	119.0	ES			20:05	00.67			-0.51
GAL1	HN	119.0	AML			20:05	03.13	25	0.16	
GAL1	HE	119.0	AML			20:05	03.91	14	0.18	
ESK	HZ	123.0	EP			20:04	47.68			-0.34
ESK	HE	123.0	ES			20:05	02.51			0.44
ESK	HE	123.0	AML			20:05	03.87	21	0.31	
ESK	HN	123.0	AML			20:05	04.68	12	0.21	
MCH1	HE	247.0	AML			20:05	36.04	5	0.36	
SBD1	SZ	146.0	EP			20:04	50.54			-0.36
KBI1	SZ	156.0	EP			20:04	52.73			0.54
XSO	SZ	156.0	EP		C	20:04	51.83			-0.43
GMM	SZ	176.0	EP			20:04	55.81			1.21
EAU	SZ	182.0	EP			20:04	55.48			0.03
MCH1	HN	247.0	AML			20:05	35.42	6	0.24	
GIM	SZ	79.4	IP		C	20:04	41.82			0.04
ECK	SZ	108.0	EP			20:04	45.76			-0.37
BDL	SZ	68.8	EP			20:04	40.11			-0.04
GIM	SE	79.4	ES			20:04	51.26			-0.15
GIM	SN	79.4	AML			20:04	52.77	104	0.28	
GIM	SE	79.4	AML			20:04	52.81	108	0.22	
GCD	SZ	84.8	EP			20:04	42.78			0.21
BHH	SZ	98.0	EP			20:04	45.14			0.56
BHH	SN	98.0	ES			20:04	56.28			0.09
XAL	SZ	98.8	EP			20:04	44.37			-0.38
BWH	SZ	110.0	EP			20:04	46.85			0.41
HPK	HZ	111.0	EP			20:04	46.16			-0.32
HPK	HE	111.0	ES			20:04	59.58			0.15
HPK	HN	111.0	AML			20:05	00.66	118	0.38	
HPK	HE	111.0	AML			20:05	01.05	84	0.20	
GAL1	HZ	119.0	EP			20:04	47.12			-0.38

July 9 2007 Time: 03:56 33.0 UTC Magnitude: 1.5 ML
Lat: 52.555N Lon: 1.189W Depth: 8.4 km
Grid Ref: 616.16 kmE 300.06 kmN RMS: 0.30 secs
Locality: WYMONDHAM,NORFOLK
Velocity model: Lownet Xnear: 40.0 Xfar: 60.0
Comment: 7KM SW OF WYMONDHAM

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AWI1	SZ	35.3	EP			03:56	39.55			0.08
APAE	SZ	34.5	EP		D	03:56	39.22			-0.13
ABA1	SZ	37.1	EP			03:56	39.54			-0.21
AEU	SE	7.8	ES			03:56	37.56			-0.25
AEU	SE	7.8	AML			03:56	37.84	249	0.06	
AEU	SN	7.8	AML			03:56	37.96	116	0.14	
AEU	SZ	7.8	IP		D	03:56	36.30			0.51

July 10 2007 Time: 06:29 48.1 UTC Magnitude: 1.2 ML
Lat: 55.605N Lon: -4.815W Depth: 11.8 km
Grid Ref: 222.69 kmE 638.19 kmN RMS: 0.40 secs
Locality: FIRTH OF CLYDE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 8KM WEST OF IRVINE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ESK	HN	107.0	AML			06:30	20.76	8	0.20	
EDI	HZ	108.0	EP			06:30	05.37			-0.25
EDI	HN	108.0	ES			06:30	18.14			-0.30
EDI	HN	108.0	AML			06:30	20.86	11	0.30	
EDI	HE	108.0	AML			06:30	20.99	6	0.31	
EBL	SZ	113.0	EP			06:30	06.38			0.02
EBH	SZ	109.0	EP			06:30	05.96			0.22
ECK	SZ	117.0	EP			06:30	07.35			0.45
ELO	SZ	118.0	EP			06:30	07.03			-0.14
EAB	SZ	71.5	EP			06:29	59.64			-0.43
GAL1	HN	82.5	AML			06:30	12.12	7	0.26	
ESK	HE	107.0	ES			06:30	17.99			-0.16
ESK	HE	107.0	AML			06:30	20.69	7	0.12	
ESK	HZ	107.0	EP			06:30	05.83			0.38
EAU	SZ	90.0	EP			06:30	03.32			0.38
GAL1	HE	82.5	AML			06:30	11.23	8	0.24	
GAL1	HE	82.5	ES			06:30	11.03			-0.68
GAL1	HZ	82.5	EP			06:30	02.32			0.59
PGB1	HN	31.0	AML			06:29	58.52	37	0.20	
PGB1	HE	31.0	AML			06:29	58.51	32	0.30	
PGB1	HN	31.0	ES			06:29	58.02			-0.01
PGB1	HZ	31.0	EP			06:29	53.83			0.00

July 15 2007 Time: 14:10 00.1 UTC Magnitude: 1.3 ML
Lat: 53.125N Lon: -1.060W Depth: 2.3 km
Grid Ref: 462.89 kmE 359.09 kmN RMS: 0.20 secs
Locality: BILSTHORPE,NOTTS
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KBI1	SZ	34.4	EP			14:10	06.45			0.01
KBI1	SZ	34.4	ES			14:10	10.92			-0.18
CWF	HZ	46.2	EP			14:10	08.25			-0.18
CWF	HE	46.2	ES			14:10	14.57			0.04
CWF	HN	46.2	AML			14:10	18.27	5	0.30	
CWF	HE	46.2	AML			14:10	22.48	6	0.32	

TABLE 2 : PHASE DATA

KWE	SZ	53.7	EP		14:10	09.79		0.11
KWE	SZ	53.7	ES		14:10	16.81		0.11
LHO	SZ	70.6	EP		14:10	12.69		0.36
HPK	HZ	99.9	EP		14:10	16.65		-0.18
HPK	HN	99.9	ES		14:10	29.55		0.49
HPK	HE	99.9	AML		14:10	30.57	24 0.28	
HPK	HN	99.9	AML		14:10	31.98	35 0.24	
SBD1	SZ	150.0	ES		14:10	43.59		1.48
HBL2	E	180.0	ES		14:10	51.69		2.36
MCH1	SE	182.0	ES		14:10	52.06		2.36
MCH1	SE	182.0	AML		14:10	55.53	6 0.24	
HTR	SZ	190.0	ES		14:10	54.03		2.59
XAL	SZ	208.0	EP		14:10	32.32		0.28

July 15 2007 Time: 14:30 05.8 UTC Magnitude: 1.1 ML
Lat: 53.142N Lon: -1.092W Depth: 2.9 km
Grid Ref: 460.73 kmE 360.96 kmN RMS: 0.30 secs
Locality: BILSTHORPE,NOTTS
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KBI1	SZ	29.9	EP			14:30	11.10			-0.44
KBI1	SZ	29.9	ES			14:30	15.54			-0.16
CWF	HZ	52.5	EP			14:30	15.17			-0.15
CWF	HE	52.5	ES			14:30	22.15			-0.10
CWF	HE	52.5	AML			14:30	27.20	4	0.26	
CWF	HN	52.5	AML			14:30	28.11	3	0.22	
KWE	SZ	53.8	EP			14:30	16.09			0.54
KWE	SZ	53.8	ES			14:30	22.81			0.16
LHO	SZ	64.2	EP			14:30	17.60			0.41
HPK	HE	92.3	ES			14:30	33.74			0.81
HPK	HN	92.3	AML			14:30	37.75	19	0.28	
HPK	HE	92.3	AML			14:30	38.96	17	0.70	
HLM1	SZ	142.0	ES			14:30	46.51			0.39
MCH1	SE	185.0	ES			14:30	56.17			-0.25
MCH1	SE	185.0	AML			14:31	00.64	4	0.38	
HTR	SZ	192.0	ES			14:30	57.02			-0.98

July 16 2007 Time: 05:27 31.3 UTC Magnitude: 3.0 ML
Lat: 53.458N Lon: 2.323W Depth: 10.0 km
Grid Ref: 686.93 kmE 404.43 kmN RMS: 0.90 secs
Locality: SOUTHERN NORTH SEA
Velocity model: North Sea Xnear: 500.0 Xfar: 1000.0
Comment: 180KM EAST OF HULL

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AWI1	SZ	91.0	EP			05:27	45.02			-1.00
ABA1	SZ	101.0	EP			05:27	47.00			-0.57
ABA1	SZ	101.0	ES			05:27	59.73			0.31
AEU	SZ	118.0	EP			05:27	49.15			-1.08
AEU	SN	118.0	ES			05:28	03.10			-0.93
AEU	SN	118.0	AML			05:28	05.86	348	0.20	
AEU	SE	118.0	AML			05:28	05.95	425	0.23	
CWF	HZ	256.0	EP			05:28	07.45			-0.21
CWF	HE	256.0	AML			05:28	51.50	43	0.48	
CWF	HN	256.0	AML			05:28	57.65	50	0.36	
KBI1	SZ	257.0	EP			05:28	07.07			-0.77
HPK	HZ	266.0	EP			05:28	09.07			0.10
HPK	HE	266.0	ES			05:28	38.84			2.41
HPK	HN	266.0	AML			05:28	54.93	142	0.46	
HPK	HE	266.0	AML			05:28	59.03	181	0.34	
TFO1	HZ	273.0	EP			05:28	11.13			1.35
TFO1	HE	273.0	ES			05:28	39.35			1.52
KWE	SZ	282.0	EP			05:28	10.30			-0.64
SKP1	SZ	287.0	EP			05:28	12.40			0.89
SSW	SZ	327.0	EP			05:28	17.07			0.57
XAL	SZ	335.0	EP			05:28	17.22			-0.28
WOL	BZ	339.0	EP			05:28	18.40			0.39
WOL	BE	339.0	AML			05:29	11.52	74	0.35	
WOL	BN	339.0	AML			05:29	16.99	56	0.35	
SWN1	HZ	354.0	EP			05:28	20.40			0.59
SWN1	HE	354.0	AML			05:29	26.23	94	0.68	
SWN1	HN	354.0	AML			05:29	29.45	83	0.64	
XSO	SZ	373.0	EP			05:28	21.65			-0.58
SWK	SZ	404.0	EP			05:28	26.59			0.56
ESK	HZ	414.0	EP			05:28	27.13			-0.20
ESK	HN	414.0	ES			05:29	07.96			-0.25
ESK	HN	414.0	AML			05:29	17.72	8	0.60	
ESK	HZ	414.0	AML			05:29	19.57	8	0.44	
ESY	SZ	420.0	EP			05:28	29.47			1.45
EBL	SZ	432.0	EP			05:28	29.28			-0.25
EDI	HZ	449.0	EP			05:28	31.47			-0.13
EDI	HN	449.0	AML			05:29	23.41	8	0.58	
EDI	HE	449.0	AML			05:29	24.15	9	0.54	
GAL1	HZ	485.0	EP			05:28	35.70			-0.43
EBH	SZ	486.0	EP			05:28	36.09			-0.20
HEX	SZ	495.0	EP			05:28	36.78			-0.63
EAB	SZ	525.0	EP			05:28	40.88			-0.17
HTL	HZ	540.0	EP			05:28	41.97			-0.91
DYA	HZ	546.0	EP			05:28	42.33			-1.31

July 17 2007 Time: 17:17 44.6 UTC Magnitude: 2.6 ML
Lat: 52.801N Lon: -0.957W Depth: 2.6 km
Grid Ref: 470.31 kmE 323.15 kmN RMS: 0.30 secs
Locality: MELTON MOWBRAY,LEICS
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0
Comment: FELT KIRKBY BELLARS Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HE	24.7	ES			17:17	52.69			-0.04
CWF	HN	24.7	AML			17:17	52.96	637	0.08	
CWF	HE	24.7	AML			17:17	53.05	562	0.10	
KBI1	SZ	63.3	IP		D	17:17	55.44			-0.25
KWE	SZ	64.1	IP		D	17:17	55.61			-0.22
LHO	SZ	102.0	EP			17:18	01.91			0.14
SSW	SZ	111.0	EP			17:18	03.01			-0.07
SKP1	SZ	121.0	EP			17:18	04.36			-0.19
HLM1	SZ	134.0	EP			17:18	06.52			-0.13
HPK	HZ	136.0	EP			17:18	07.23			0.29
HPK	HE	136.0	ES			17:18	23.38			0.16
HPK	HE	136.0	AML			17:18	25.23	187	0.32	
HPK	HN	136.0	AML			17:18	25.60	263	0.22	
HAE	SZ	137.0	EP			17:18	06.83			-0.29
AEU	SE	149.0	ES			17:18	26.22			-0.21
SWN1	HZ	154.0	EP			17:18	09.90			0.36
SWN1	HE	154.0	ES			17:18	28.28			0.55
SWN1	HE	154.0	AML			17:18	29.78	105	0.39	
SWN1	HN	154.0	AML			17:18	30.87	79	0.24	
SBD1	SZ	155.0	EP			17:18	10.17			0.42
MCH1	SZ	165.0	EP			17:18	11.08			0.00
MCH1	SE	165.0	ES			17:18	29.76			-0.63
HTR	SZ	177.0	EP			17:18	12.78			0.12
HGH	SZ	181.0	EP			17:18	13.43			0.25
XAL	SZ	244.0	EP			17:18	20.08			-1.02
CWF	HZ		IP		C	17:17	49.39			

July 18 2007 Time: 00:30 32.9 UTC Magnitude: 1.3 ML
Lat: 56.880N Lon: -5.144W Depth: 2.3 km
Grid Ref: 208.45 kmE 780.90 kmN RMS: 0.30 secs
Locality: FORT WILLIAM,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KSB	SZ	40.3	EP			00:30	40.14			-0.14
KAR1	SZ	41.9	IP		C	00:30	40.40			-0.11
KPL	HZ	59.6	IP		C	00:30	43.40			0.06
KPL	HE	59.6	ES			00:30	50.64			-0.34
KPL	HE	59.6	AML			00:30	51.01	10	0.26	
KPL	HN	59.6	AML			00:30	51.81	6	0.19	
KAC	SZ	69.5	EP			00:30	45.12			0.22
EAB	SZ	91.6	IP		C	00:30	47.92			-0.43
ELO	SZ	99.0	EP			00:30	49.20			-0.34
RRR	SZ	116.0	EP			00:30	52.50			0.43
RRR	SN	116.0	ES			00:31	06.33			0.24
RRR	SE	116.0	AML			00:31	08.75	6	0.14	
RRR	SN	116.0	AML			00:31	09.04	8	0.20	
PMS1	SZ	118.0	EP			00:30	52.87			0.45
EBH	SZ	123.0	EP			00:30	52.97			-0.23
PGB1	HZ	126.0	EP			00:30	53.76			0.13
PGB1	HE	126.0	AML			00:31	09.68	10	0.18	
PGB1	HN	126.0	AML			00:31	09.76	11	0.25	
REB	SZ	138.0	EP			00:30	55.78			0.31
EAU	SZ	156.0	EP			00:30	58.74			0.70
EDI	HZ	161.0	EP			00:30	59.34			0.60
EDI	HE	161.0	ES			00:31	17.92			0.29
EDI	HE	161.0	AML			00:31	19.41	7	0.34	
EDI	HN	161.0	AML			00:31	19.50	5	0.19	
EBL	SZ	179.0	EP			00:31	02.01			0.73
MDO	SZ	78.3	EP			00:30	46.25			-0.06

July 19 2007 Time: 18:07 27.1 UTC Magnitude: 0.7 ML
Lat: 55.306N Lon: -2.455W Depth: 2.3 km
Grid Ref: 371.12 kmE 601.42 kmN RMS: 0.30 secs
Locality: BYRNESS,NORTHUMBERLAND
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
BDL	SZ	64.0	EP			18:07	38.50			0.22
ESY	SZ	68.8	EP			18:07	39.69			0.63
BWH	SZ	77.7	EP			18:07	41.02			0.60
BBO	SZ	81.1	EP			18:07	41.22			0.27
GAL1	HN	152.0	AML			18:08	11.57	3	0.14	
BBO	SE	81.1	ES			18:07	51.90			0.84
GAL1	HN	152.0	ES			18:08	10.39			0.72
GAL1	HE	152.0	AML			18:08	11.87	2	0.26	
ESK	HE	47.6	ES			18:07	41.81			-0.21
BHH	SZ	54.1	EP			18:07	36.78			0.03
BHH	SE	54.1	AML			18:07	45.44	4	0.29	
BHH	SN	54.1	AML			18:07	45.31	2	0.11	
BHH	SN	54.1	ES			18:07	43.79			-0.01
XAL	SZ	51.8	EP			18:07	36.29			-0.17
ESK	HE	47.6	AML			18:07	42.69	7	0.04	
ESK	HN	47.6	AML			18:07	42.27	8	0.16	
ESK	HZ	47.6	EP			18:07	35.84			0.11
ECK	SZ	45.1	EP			18:07	35.09			-0.22
XSO	SZ	24.4	EP			18:07	31.67			-0.17

July 21 2007 Time: 06:40 46.6 UTC Magnitude: 2.7 ML
Lat: 56.470N Lon: -10.229W Depth: 10.0 km
Grid Ref: -106.25 kmE 761.24 kmN RMS: 0.40 secs
Locality: NORTHERN ATLANTIC
Velocity model: Lownet Xnear: 300.0 Xfar: 600.0
Comment: 160KM NW OF IRELAND

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KSK	SZ	242.0	EP			06:41	22.17			0.18
RRH	SZ	268.0	EP			06:41	25.23			-0.04
KAR1	SZ	274.0	EP			06:41	26.44			0.40
KPL	HZ	295.0	EP			06:41	28.45			-0.17
KPL	HN	295.0	AML			06:42	02.40	16	0.14	
KPL	HE	295.0	AML			06:42	03.83	23	0.17	
KSB	SZ	305.0	EP			06:41	30.00			0.09
RRR	SZ	309.0	EP			06:41	30.35			-0.01
RRR	SN	309.0	ES			06:42	01.78			-0.50
RRR	SN	309.0	AML			06:42	03.95	15	0.18	
RRR	SE	309.0	AML			06:42	05.90	12	0.21	
KAC	SZ	321.0	EP			06:41	32.50			0.62
RTO	SZ	322.0	EP			06:41	31.70			-0.25
REB	SZ	350.0	EP			06:41	35.29			-0.25
PGB1	HZ	365.0	EP			06:41	37.41			0.07
PGB1	HN	365.0	ES			06:42	14.46			0.12
PGB1	HE	365.0	AML			06:42	16.58	23	0.15	
PGB1	HN	365.0	AML			06:42	16.73	27	0.26	
EAB	SZ	366.0	EP			06:41	37.56			0.06
GMM	SZ	368.0	EP			06:41	37.20			-0.54
RSC	SZ	369.0	EP			06:41	37.95			0.07
MDO	SZ	373.0	EP			06:41	38.51			0.09
GAL1	HZ	390.0	EP			06:41	40.24			-0.30
GAL1	HE	390.0	ES			06:42	19.22			-0.66
GAL1	HN	390.0	AML			06:42	20.57	15	0.26	

TABLE 2 : PHASE DATA

GAL1	HE	390.0	AML	06:42	23.35	12	0.14	
MVH1	SZ	400.0	EP	06:41	41.42			-0.31
ELO	SZ	402.0	EP	06:41	42.46			0.42
EBH	SZ	416.0	EP	06:41	44.18			0.37
GCD	SZ	434.0	EP	06:41	45.95			-0.08
EDI	HZ	441.0	EP	06:41	47.43			0.53
EDI	HN	441.0	ES	06:42	31.86			0.97
EDI	HE	441.0	AML	06:42	35.30	16	0.25	
EDI	HN	441.0	AML	06:42	35.47	21	0.31	
MME1	SZ	452.0	EP	06:41	48.41			0.02
ESK	HZ	458.0	EP	06:41	48.92			-0.07
ESK	HE	458.0	ES	06:42	34.55			0.05
ESK	HE	458.0	AML	06:42	37.96	21	0.37	
ESK	HN	458.0	AML	06:42	39.12	21	0.35	
MLA1	SZ	461.0	EP	06:41	48.61			-0.73
ECK	SZ	467.0	EP	06:41	50.00			-0.22
ESY	SZ	476.0	EP	06:41	51.61			0.25
XSO	SZ	509.0	EP	06:41	55.76			0.24
XAL	SZ	535.0	EP	06:41	58.27			-0.41

July 24 2007 Time: 01:01 19.0 UTC Magnitude: 3.2 ML
Lat: 57.004N Lon: 1.879W Depth: 5.0 km
Grid Ref: 635.52 kmE 796.99 kmN RMS: 0.50 secs
Locality: CENTRAL NORTH SEA
Velocity model: North Sea Xnear: 300.0 Xfar: 500.0
Comment: CENTRAL GRABEN

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MME1	SZ	295.0	EP			01:02	00.60			-0.13
ESY	SZ	302.0	EP			01:02	01.49			-0.11
XSO	SZ	306.0	EP			01:02	02.30			0.17
STAV	SZ	312.0	EP			01:02	04.32			1.52
KMY	SZ	315.0	EP			01:02	02.75			-0.45
KMY	SE	315.0	AML			01:02	50.70	25	0.33	
KMY	SN	315.0	AML			01:02	51.80	41	0.35	
MCD	SZ	316.0	EP			01:02	02.67			-0.65
MCD	SN	316.0	ES			01:02	35.58			-0.08
MCD	SN	316.0	AML			01:02	48.79	103	0.35	
MCD	SE	316.0	AML			01:02	53.00	136	0.47	
EBL	SZ	333.0	EP			01:02	05.30			-0.20
EDI	HZ	335.0	EP			01:02	05.29			-0.31
EDI	HE	335.0	ES			01:02	39.99			0.38
EDI	HN	335.0	AML			01:02	57.07	93	0.43	
EDI	HE	335.0	AML			01:03	06.81	85	0.57	
EBH	SZ	341.0	EP			01:02	06.20			-0.24
MLA1	SZ	345.0	EP			01:02	06.88			0.01
ELO	SZ	347.0	EP			01:02	08.03			0.83
XAL	SZ	350.0	EP			01:02	07.28			-0.23
SNART	EZ	351.0	EP			01:02	08.23			0.58
EAU	SZ	353.0	EP			01:02	07.74			-0.17
OHO	SZ	366.0	EP			01:02	10.19			0.73
ESK	HZ	367.0	EP			01:02	09.34			-0.35
ESK	HE	367.0	ES			01:02	47.14			0.45
ESK	HE	367.0	AML			01:02	49.13	49	0.42	
ESK	HN	367.0	AML			01:03	10.13	93	0.32	
ECK	SZ	372.0	EP			01:02	09.98			-0.27
ORE	SZ	377.0	EP			01:02	11.14			0.27
ORE	SE	377.0	ES			01:02	48.45			-0.27
ORE	SN	377.0	AML			01:02	50.38	55	0.31	
ORE	SE	377.0	AML			01:02	51.71	30	0.49	
MVH1	SZ	378.0	EP			01:02	10.88			-0.10
MDO	SZ	380.0	EP			01:02	12.07			0.79
BLS5	SZ	381.0	EP			01:02	12.82			1.45
OWE	SZ	387.0	EP			01:02	12.39			0.28
EAB	SZ	392.0	EP			01:02	13.17			0.38
LRW	HZ	392.0	EP			01:02	12.84			0.17
LRW	HE	392.0	ES			01:02	51.99			0.15
LRW	HN	392.0	AML			01:02	53.06	22	0.37	
LRW	HE	392.0	AML			01:02	56.01	21	0.31	
HPK	HZ	405.0	EP			01:02	14.27			-0.08
EGD	EZ	412.0	EP			01:02	13.92			-1.35
PGB1	HZ	414.0	EP			01:02	15.13			-0.40
PGB1	HN	414.0	ES			01:02	56.99			0.20
WAL1	SZ	415.0	EP			01:02	16.28			0.66
BER	HZ	426.0	EP			01:02	16.47			-0.54
ODD1	SZ	426.0	EP			01:02	17.08			0.04
ASK	EZ	432.0	EP			01:02	16.18			-1.49
RSC	SZ	446.0	EP			01:02	19.15			-0.30
REB	SZ	446.0	EP			01:02	18.93			-0.50
LHO	SZ	452.0	EP			01:02	20.07			-0.17
KPL	HZ	457.0	EP			01:02	20.15			-0.64
KPL	HE	457.0	ES			01:03	05.87			-0.01
KAR1	SZ	469.0	EP			01:02	22.40			0.12
KBI1	SZ	470.0	EP			01:02	22.37			-0.13
RRR	SZ	471.0	EP			01:02	22.18			-0.37
RRR	SE	471.0	AML			01:03	11.85	34	0.43	
RRR	SN	471.0	AML			01:03	11.99	38	0.23	
GAL1	HZ	475.0	EP			01:02	22.78			-0.31
SUE	SZ	481.0	EP			01:02	22.79			-0.97
SUE	SE	481.0	ES			01:03	08.91			-2.11
KWE	SZ	503.0	EP			01:02	26.38			-0.23
STNC	HZ	508.0	EP			01:02	27.68			0.57
CWF	HZ	517.0	EP			01:02	28.19			-0.06
CWF	HE	517.0	ES			01:03	18.87			0.07
KSK	SZ	520.0	EP			01:02	28.47			-0.22
HYA	SZ	525.0	EP			01:02	30.10			0.84
KONO	BZ	539.0	EP			01:02	32.01			0.96
SBD1	SZ	562.0	EP			01:02	33.16			-0.76
SSW	SZ	610.0	EP			01:02	41.07			1.20
MCH1	HZ	640.0	EP			01:02	43.38			-0.20
MCH1	HN	640.0	AML			01:03	48.78	30	0.31	
MCH1	HE	640.0	AML			01:03	49.84	34	0.47	
WOL	BZ	665.0	EP			01:02	47.08			0.45
SWK	SZ	705.0	EP			01:02	52.09			0.45
BSD	HZ	837.0	EP			01:03	07.23			-0.83

July 24 2007 Time: 13:11 09.3 UTC Magnitude: 1.6 ML
Lat: 52.847N Lon: -1.413W Depth: 4.9 km
Grid Ref: 439.53 kmE 327.92 kmN RMS: 0.30 secs
Locality: MELBOURNE,DERBYSHIRE
Velocity model: Lownet Xnear: 75.0 Xfar: 150.0
Comment: 8KM SSE OF DERBY

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HE	14.0	AML			13:11	14.58	193	0.14	
MCH1	HN	143.0	AML			13:11	49.47	9	0.17	
MCH1	HE	143.0	AML			13:11	49.14	7	0.21	
MCH1	HE	143.0	ES			13:11	48.44			-0.83
MCH1	HZ	143.0	EP		D	13:11	32.26			-0.14
SBD1	SZ	124.0	EP			13:11	30.23			0.53
HLM1	SZ	106.0	EP			13:11	27.46			0.67
LHO	SZ	83.2	EP			13:11	23.63			0.33
STNC	HN	59.8	ES			13:11	27.16			-0.03
STNC	HE	59.8	AML			13:11	28.55	65	0.32	
STNC	HN	59.8	AML			13:11	28.55	74	0.26	
STNC	HZ	59.8	EP			13:11	19.17			-0.47
KBI1	SZ	46.0	EP		D	13:11	17.44			-0.06
KWE	SZ	34.4	IP		D	13:11	15.72			0.05
CWF	HN	14.0	AML			13:11	14.45	144	0.12	
CWF	HE	14.0	ES			13:11	14.25			-0.08
CWF	HZ	14.0	EP			13:11	12.24			0.04

July 24 2007 Time: 20:47 27.5 UTC Magnitude: 1.1 ML
Lat: 57.420N Lon: -5.712W Depth: 7.0 km
Grid Ref: 177.14 kmE 842.69 kmN RMS: 0.20 secs
Locality: APPLECROSS,HIGHLAND
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	9.7	IP		C	20:47	30.00			0.14
KPL	HN	9.7	ES			20:47	31.35			-0.20
KPL	HE	9.7	ES			20:47	31.38			
KPL	HE	9.7	AML			20:47	31.47	147	0.16	
KPL	HN	9.7	AML			20:47	31.47	146	0.10	
KAC	SZ	26.3	EP		C	20:47	32.67			0.14
KSB	SZ	29.2	IP		C	20:47	32.92			-0.12
RRR	SZ	49.0	EP			20:47	36.14			0.11
RRR	SE	49.0	ES			20:47	41.83			-0.40
RRR	SN	49.0	ES			20:47	41.95			
RRR	SE	49.0	AML			20:47	42.37	14	0.12	
RRR	SN	49.0	AML			20:47	42.40	12	0.24	
RRH	SZ	80.5	EP			20:47	41.08			0.15
RSC	SZ	108.0	EP			20:47	45.40			0.18

July 27 2007 Time: 03:28 13.5 UTC Magnitude: 1.5 ML
Lat: 57.286N Lon: -4.368W Depth: 4.3 km
Grid Ref: 257.29 kmE 824.17 kmN RMS: 0.40 secs
Locality: ERROGIE,HIGHLAND
Velocity model: Lownet Xnear: 125.0 Xfar: 250.0
Comment: 20KM SW OF INVERNESS

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MDO	SZ	17.3	IP		D	03:28	16.87			-0.09
KAC	SZ	60.8	EP			03:28	24.25			0.26
KSB	SZ	64.1	EP			03:28	23.92			-0.63
MCD	SZ	74.6	EP			03:28	26.17			0.02
MCD	SE	74.6	ES			03:28	35.26			-0.16
MCD	SE	74.6	AML			03:28	39.01	26	0.30	
MCD	SN	74.6	AML			03:28	39.06	26	0.15	
MME1	SZ	84.7	EP			03:28	27.25			-0.49
ELO	SZ	99.2	EP			03:28	30.14			0.13
EAB	SZ	122.0	EP			03:28	33.88			0.36
MLA1	SZ	128.0	EP			03:28	35.10			0.64

August 1 2007 Time: 04:13 43.8 UTC Magnitude: 1.4 ML
Lat: 56.463N Lon: -6.531W Depth: 12.2 km
Grid Ref: 120.94 kmE 739.29 kmN RMS: 0.40 secs
Locality: OFF ISLE OF MULL
Velocity model: Lownet Xnear: 150.0 Xfar: 250.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KAR1	SZ	66.6	EP			04:13	54.93			-0.09
KPL	HN	111.0	ES			04:14	14.81			-0.07
KPL	HN	111.0	AML			04:14	15.16	14	0.19	
KPL	HE	111.0	AML			04:14	15.63	19	0.18	
KAC	SZ	138.0	EP			04:14	05.68			0.13
PGB1	HE	147.0	ES			04:14	24.01			0.37
PGB1	HE	147.0	AML			04:14	25.71	3	0.24	
PGB1	HN	147.0	AML			04:14	26.70	4	0.30	
ELO	SZ	174.0	EP			04:14	09.49			-1.03
EDI	HE	216.0	ES			04:14	38.60			-0.43
EBH	SZ	188.0	EP			04:14	12.70			0.39
KPL	HZ	111.0	EP			04:14	02.16			0.40
EAB	SZ	139.0	EP			04:14	05.55			-0.24

August 1 2007 Time: 20:31 49.7 UTC Magnitude: 2.6 ML
Lat: 49.647N Lon: 0.132W Depth: 5.0 km
Grid Ref: 553.89 kmE -25.90 kmN RMS: 0.60 secs
Locality: NORTHERN FRANCE
Velocity model: Lownet Xnear: 200.0 Xfar: 500.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
JRS	SZ	169.0	EP			20:32	16.89			0.49
JRS	SE	169.0	ES			20:32	35.91			-0.01
JSA	SZ	175.0	EP			20:32	17.64			0.53
TFO1	SZ	178.0	EP			20:32	17.91			0.32
WOL	BZ	209.0	EP			20:32	21.40			0.00
WOL	BE	209.0	ES			20:32	45.48			0.92
SKP1	SZ	240.0	EP			20:32	25.28			-0.06
SWN1	HZ	249.0	EP			20:32	26.51			0.12
SWN1	HE	249.0	AML			20:33	11.71	44	0.64	
SWN1	HN	249.0	AML			20:33	19.00	40	0.44	
SSW	SZ	293.0	EP			20:32	32.18			0.17
HGH	SZ	304.0	EP			20:32	32.79			-0.48
DYA	HZ	304.0	EP			20:32	32.44			-0.88
DYA	HE	304.0	AML			20:33	21.79	14	0.18	
DYA	HN	304.0	AML			20:33	21.89	24	0.46	
HEX	SZ	321.0	EP			20:32	34.31			-1.18
HAE	SZ	326.0	EP			20:32	35.48			-0.57
MCH1	HZ	342.0	EP			20:32	37.32			-0.75

TABLE 2 : PHASE DATA

MCH1	HE	342.0	AML		20:33	32.76	14	0.74	
MCH1	HN	342.0	AML		20:33	33.62	16	0.40	
CWF	HZ	358.0	EP		20:32	39.23			-0.88
CWF	HE	358.0	AML		20:33	31.64	13	0.38	
CWF	HN	358.0	AML		20:33	38.93	13	0.40	
HTL	HN	361.0	AML		20:33	39.25	19	0.84	
HTL	HE	361.0	AML		20:33	42.60	17	0.52	
HTR	SZ	361.0	EP		20:32	39.83			-0.65
HTL	HZ	361.0	EP		20:32	39.54			-0.90
CCA1	SZ	389.0	EP		20:32	43.25			-0.75
KWE	SZ	399.0	EP		20:32	44.26			-0.99
CPZ	SZ	414.0	EP		20:32	46.25			-0.85
KBI1	SZ	418.0	EP		20:32	46.65			-0.88
SBD1	SZ	433.0	EP		20:32	48.38			-1.09

August 10 2007 Time: 10:50 11.0 UTC Magnitude: 2.5 ML
Lat: 53.495N Lon: -2.175W Depth: 4.0 km
Grid Ref: 388.39 kmE 399.85 kmN RMS: 0.30 secs
Locality: MANCHESTER
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT MANCHESTER... Intensity: 4

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
YLL	SZ	139.0	EP			10:50	33.39			-0.10
XAL	SZ	152.0	P		D	10:50	36.06			
YRE	SZ	161.0	EP			10:50	36.38			-0.27
YRC	SZ	162.0	IP		C	10:50	36.63			-0.16
HAE	SZ	164.0	EP			10:50	38.02			0.87
MCH1	HZ	176.0	EP			10:50	38.99			0.28
MCH1	HN	176.0	AML			10:51	00.71	84	0.49	
MCH1	HE	176.0	AML			10:51	00.82	58	0.21	
WIM	SZ	180.0	EP			10:50	39.12			-0.14
XSO	SZ	222.0	Pn		U	10:50	36.40			
XSO	SZ	222.0	P		D	10:50	44.80			
KAC	SZ	487.0	Pn			10:51	17.88			
HGN	BZ	632.0	Pg		D	10:51	40.40			
WAL1	SZ	754.0	Pn			10:51	40.76			
WME	SZ	142.0	IP		C	10:50	33.76			
STNC	HN	45.0	AML			10:50	29.53	389	0.70	
CWF	HZ	102.0	EP			10:50	28.07			0.11
LHO	SZ	22.0	IP		C	10:50	15.26			0.00
STNC	HZ	45.0	EP			10:50	19.62			0.53
STNC	HE	45.0	ES			10:50	25.34			0.34
STNC	HE	45.0	AML			10:50	26.26	369	0.37	
KBI1	SZ	50.8	EP			10:50	19.77			-0.21
KWE	SZ	57.8	EP			10:50	20.76			-0.33
HPK	HZ	63.1	IP		C	10:50	22.22			0.34
HPK	HE	63.1	ES			10:50	29.79			-0.05
HPK	HE	63.1	AML			10:50	31.48	461	0.17	
HPK	HN	63.1	AML			10:50	31.62	467	0.15	
SBD1	SZ	97.7	EP			10:50	26.83			-0.48
CWF	HE	102.0	ES			10:50	40.09			-0.27
CWF	HE	102.0	AML			10:50	44.03	91	0.13	
CWF	HN	102.0	AML			10:50	44.16	101	0.10	
WPM	SZ	118.0	EP			10:50	30.56			0.12

August 10 2007 Time: 12:25 59.0 UTC Magnitude: 1.6 ML
Lat: 53.498N Lon: -2.122W Depth: 5.4 km
Grid Ref: 391.91 kmE 400.18 kmN RMS: 0.40 secs
Locality: MANCHESTER
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT MANCHESTER Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
XAL	SZ	152.0	EP			12:26	23.11			-0.26
CWF	HN	101.0	AML			12:26	31.19	14	0.12	
ESK	HN	214.0	AML			12:27	09.57	3	0.56	
ESK	HE	214.0	AML			12:27	06.10	3	0.82	
MCH1	HE	177.0	AML			12:26	48.58	10	0.34	
MCH1	HN	177.0	ES			12:26	46.82			-0.22
MCH1	SN	177.0	AML			12:26	47.54	15	0.46	
MCH1	HN	177.0	AML			12:26	47.52	13	0.48	
HTR	SZ	176.0	EP			12:26	26.35			-0.29
HAE	SZ	165.0	EP			12:26	24.97			-0.23
HPK	HE	60.9	AML			12:26	18.43	66	0.16	
KBI1	SZ	47.9	EP			12:26	07.54			0.03
HPK	HN	60.9	AML			12:26	18.59	72	0.14	
MCH1	SE	177.0	AML			12:26	48.60	11	0.34	
LHO	SZ	18.5	EP			12:26	02.31			-0.45
HPK	HZ	60.9	EP			12:26	09.51			0.01
HPK	HE	60.9	ES			12:26	17.32			0.17
KWE	SZ	56.8	EP			12:26	08.95			0.06
SBD1	SZ	101.0	EP			12:26	15.60			-0.11
CWF	HZ	101.0	EP			12:26	16.47			0.82
CWF	HE	101.0	ES			12:26	27.36			-0.42
CWF	HE	101.0	AML			12:26	31.95	7	0.24	

August 23 2007 Time: 01:35 10.4 UTC Magnitude: 1.7 ML
Lat: 53.490N Lon: -2.196W Depth: 3.6 km
Grid Ref: 387.00 kmE 399.30 kmN RMS: 0.30 secs
Locality: MANCHESTER
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT MANCHESTER Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
YRE	SZ	159.0	EP			01:35	36.27			0.23
WLF	HZ	148.0	EP			01:35	34.32			-0.10
YRC	SZ	161.0	EP			01:35	36.07			-0.13
YRC	SZ	161.0	ES			01:35	54.90			-0.09
HTR	SZ	173.0	EP			01:35	38.43			0.40
MCH1	HE	175.0	AML			01:36	00.03	6	0.58	
MCH1	HZ	175.0	EP			01:35	38.64			0.41
MCH1	SN	175.0	ES			01:35	59.17			0.66
MCH1	HN	175.0	AML			01:35	59.90	7	0.48	
KWE	SZ	57.8	EP			01:35	21.27			0.61
HPK	HN	64.3	AML			01:35	31.01	55	0.14	
WME	SZ	140.0	ES			01:35	49.91			-0.13
WPM	SZ	117.0	EP			01:35	30.26			0.47
SBD1	SZ	96.3	ES			01:35	38.19			-0.31
SBD1	SZ	96.3	EP			01:35	26.49			-0.18
HPK	HE	64.3	AML			01:35	30.84	53	0.16	
HPK	HE	64.3	ES			01:35	29.78			-0.04
HPK	HZ	64.3	EP			01:35	21.84			0.19
KBI1	SZ	51.6	EP			01:35	19.30			-0.39
LHO	SZ	23.4	IP		C	01:35	14.73			-0.24

August 23 2007 Time: 05:26 26.1 UTC Magnitude: 1.8 ML
Lat: 53.486N Lon: -2.175W Depth: 3.2 km
Grid Ref: 388.39 kmE 398.85 kmN RMS: 0.20 secs
Locality: MANCHESTER
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT MANCHESTER Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LHO	SZ	22.2	EP		C	05:26	30.37			-0.08
KBI1	SZ	50.2	EP			05:26	34.92			-0.18
KWE	SZ	56.8	EP			05:26	36.34			0.21
HPK	HZ	63.9	EP			05:26	37.37			0.15
HPK	HE	63.9	ES			05:26	45.24			-0.07
HPK	HE	63.9	AML			05:26	46.57	64	0.22	
HPK	HN	63.9	AML			05:26	46.71	84	0.14	
SBD1	SZ	97.0	EP			05:26	42.17			-0.23
WPM	SZ	118.0	EP			05:26	45.93			0.32
YLL	SZ	138.0	EP			05:26	48.89			0.22
WME	SZ	142.0	EP			05:26	49.14			0.00
WLF	HZ	149.0	EP			05:26	49.82			-0.40
WLF	HN	149.0	ES			05:27	07.40			-0.41
XAL	SZ	153.0	EP			05:26	51.09			0.25
YRE	SZ	160.0	EP			05:26	51.91			0.09
YRC	SZ	162.0	EP			05:26	51.84			-0.16
MCH1	HZ	175.0	EP			05:26	54.35			0.53
MCH1	HE	175.0	ES			05:27	14.62			0.58
MCH1	HN	175.0	AML			05:27	15.75	12	0.46	
MCH1	HE	175.0	AML			05:27	16.81	8	0.27	

August 23 2007 Time: 05:34 48.2 UTC Magnitude: 1.4 ML
Lat: 53.477N Lon: -2.183W Depth: 3.4 km
Grid Ref: 387.86 kmE 397.85 kmN RMS: 0.40 secs
Locality: MANCHESTER
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT MANCHESTER Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KWE	SZ	56.1	EP			05:34	58.49			0.17
HPK	HZ	65.0	EP			05:35	00.06			0.38
LHO	SZ	23.1	IP		C	05:34	52.73			-0.09
HPK	HN	65.0	AML			05:35	08.29	31	0.16	
HPK	HE	65.0	AML			05:35	10.59	21	0.66	
SBD1	SZ	96.0	EP			05:35	03.88			-0.65
WPM	SZ	117.0	EP			05:35	08.37			0.58
WLF	HZ	149.0	EP			05:35	12.49			0.05
WLF	HN	149.0	ES			05:35	30.14			-0.03
MCH1	SE	174.0	ES			05:35	37.25			0.88
MCH1	SN	174.0	AML			05:35	37.95	5	0.46	
MCH1	SE	174.0	AML			05:35	38.92	4	0.24	
HPK	HE	65.0	ES			05:35	07.83			-0.27

August 26 2007 Time: 13:54 36.6 UTC Magnitude: 1.4 ML
Lat: 56.380N Lon: -3.949W Depth: 2.6 km
Grid Ref: 279.66 kmE 722.55 kmN RMS: 0.30 secs
Locality: CRIEFF,TAYSIDE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT COMRIE Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ELO	SZ	17.8	IP		C	13:54	39.57			-0.57
EBH	SZ	31.0	IP		C	13:54	42.50			0.15
EAB	SZ	32.1	EP			13:54	42.18			-0.34
EAU	SZ	67.2	EP			13:54	48.52			0.28
EDI	HZ	69.4	EP			13:54	48.75			0.21
EDI	HN	69.4	ES			13:54	57.12			-0.16
EDI	HE	69.4	AML			13:54	59.37	10	0.29	
EDI	HN	69.4	AML			13:55	02.81	7	0.16	
PGB1	HZ	71.5	EP			13:54	49.24			0.37
PGB1	HE	71.5	ES			13:54	57.46			-0.39
PGB1	HE	71.5	AML			13:55	00.06	18	0.28	
PGB1	HN	71.5	AML			13:55	03.31	13	0.24	
ESY	SZ	97.6	EP			13:54	53.10			0.15
MME1	SZ	120.0	IP		D	13:54	56.24			-0.24
MDO	SZ	121.0	EP			13:54	56.96			0.40
KSB	SZ	129.0	EP			13:54	57.66			-0.17
KAR1	SZ	130.0	EP			13:54	58.44			0.50
MCD	SZ	140.0	IP		C	13:54	59.80			0.31
MCD	SE	140.0	ES			13:55	16.05			-0.18
MCD	SN	140.0	AML			13:55	18.18	19	0.28	
MCD	SE	140.0	AML			13:55	18.58	14	0.18	
KAC	SZ	149.0	EP			13:55	00.75			0.02

August 28 2007 Time: 02:57 48.1 UTC Magnitude: 1.5 ML
Lat: 56.242N Lon: -3.771W Depth: 4.9 km
Grid Ref: 290.26 kmE 706.90 kmN RMS: 0.20 secs
Locality: BLACKFORD,TAYSIDE
Velocity model: Lownet Xnear: 70.0 Xfar: 140.0
Comment: FELT GLENDEVON Intensity: 2

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EBH	SZ	16.3	IP		C	02:57	51.36			-0.11
ELO	SZ	25.7	IP		C	02:57	53.04			-0.04
EAB	SZ	35.6	IP		C	02:57	54.89			0.18
EAB	SZ	35.6	ES			02:57	59.34			-0.17
EAU	SZ	48.5	EP			02:57	56.84			0.08
EDI	HZ	50.8	EP			02:57	57.12			0.06
EDI	HN	50.8	ES			02:58	03.40			-0.16
PGB1	HZ	65.3	EP			02:57	59.44			0.11
PGB1	HE	65.3	ES			02:58	07.38			-0.12
PGB1	HN	65.3	AML			02:58	10.82	12	0.26	
PGB1	HE	65.3	AML			02:58	12.29	13	0.36	
ESK	HZ	109.0	EP			02:58	06.85			0.74
ESK	HN	109.0	ES			02:58	19.08			-0.14
ESK	HE	109.0	AML			02:58	22.28	15	0.18	
ESK	HN	109.0	AML			02:58	22.68	12	0.24	

TABLE 2 : PHASE DATA

ECK	SZ	125.0	EP		02:58	09.41		0.83
MME1	SZ	129.0	EP		02:58	09.81		0.53
MDO	SZ	138.0	EP		02:58	11.48		0.91
MCD	SZ	153.0	EP		02:58	13.25		0.67
MCD	SE	153.0	ES		02:58	30.52		0.09
MCD	SN	153.0	AML		02:58	32.51	15 0.15	
MCD	SE	153.0	AML		02:58	32.55	18 0.16	
GAL1	HZ	164.0	EP		02:58	15.03		0.82
GAL1	HE	164.0	ES		02:58	34.22		0.99
GAL1	HE	164.0	AML		02:58	35.36	10 0.48	
GAL1	HN	164.0	AML		02:58	35.37	8 0.52	
KPL	HZ	168.0	EP		02:58	15.42		0.72
KPL	HE	168.0	AML		02:58	31.34	2 0.64	
KPL	HN	168.0	AML		02:58	36.65	5 0.46	

August 30 2007 Time: 04:46 35.5 UTC Magnitude: 2.2 ML
Lat: 53.482N Lon: -2.178W Depth: 4.5 km
Grid Ref: 388.19 kmE 398.41 kmN RMS: 0.30 secs
Locality: MANCHESTER
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT MANCHESTER Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KBI1	SZ	50.2	EP			04:46	44.21			-0.17
LDU	SZ	54.7	AML			04:46	53.24	141	0.46	
KWE	SZ	56.5	EP			04:46	45.31			-0.07
HPK	HZ	64.3	IP		C	04:46	46.71			0.14
HPK	HE	64.3	ES			04:46	54.58			-0.07
HPK	HE	64.3	AML			04:46	55.85	310	0.41	
HPK	HN	64.3	AML			04:46	56.00	361	0.22	
SBD1	SZ	96.6	EP			04:46	51.29			-0.34
CWF	HZ	101.0	EP			04:46	52.83			0.54
CWF	HE	101.0	ES			04:47	04.38			-0.16
CWF	HE	101.0	AML			04:47	08.44	37	0.14	
CWF	HN	101.0	AML			04:47	08.67	52	0.14	
WPM	SZ	118.0	EP			04:46	55.12			0.26
YLL	SZ	138.0	EP			04:46	58.26			0.37
WME	SZ	142.0	IP		C	04:46	58.31			-0.06
WLF	HZ	149.0	EP			04:46	59.35			-0.10
WLF	HN	149.0	ES			04:47	16.53			-0.39
YRE	SZ	160.0	EP			04:47	00.99			-0.04
YRC	SZ	162.0	EP			04:47	01.12			-0.10
HTR	SZ	173.0	EP			04:47	03.45			0.63
MCH1	HZ	174.0	EP			04:47	03.26			0.26
MCH1	HE	174.0	ES			04:47	23.75			0.68
MCH1	HN	174.0	AML			04:47	25.31	51	0.42	
MCH1	HE	174.0	AML			04:47	26.14	46	0.40	
WIM	SZ	180.0	EP			04:47	03.96			0.18
ESK	HZ	215.0	EP			04:47	07.95			-0.12
ESK	HN	215.0	AML			04:47	42.12	8	0.31	
ESK	HE	215.0	AML			04:47	43.96	18	0.41	
LHO	SZ	22.5	IP		C	04:46	39.78			-0.11

August 30 2007 Time: 19:02 59.6 UTC Magnitude: 2.1 ML
Lat: 48.436N Lon: -3.463W Depth: 10.0 km
Grid Ref: 291.80 kmE -161.66 kmN RMS: 0.20 secs
Locality: NORTHERN FRANCE
Velocity model: Lownet Xnear: 200.0 Xfar: 400.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
JSA	HZ	170.0	EP			19:03	26.03			0.08
JSA	HE	170.0	ES			19:03	45.24			0.09
JRS	SZ	173.0	EP			19:03	26.58			0.16
JRS	SE	173.0	ES			19:03	46.10			0.13
JRS	SE	173.0	AML			19:03	48.71	22	0.14	
JQE	SZ	176.0	EP			19:03	26.67			-0.13
JQE	SZ	176.0	ES			19:03	46.41			-0.22
JLP	SZ	178.0	EP			19:03	27.07			0.05
JLP	SZ	178.0	ES			19:03	46.91			-0.09
DYA	HZ	281.0	EP			19:03	39.58			-0.37
DYA	HN	281.0	ES			19:04	09.55			0.18
DYA	HE	281.0	AML			19:04	20.04	8	0.32	
DYA	HN	281.0	AML			19:04	23.82	8	0.26	

August 30 2007 Time: 22:24 30.5 UTC Magnitude: 2.0 ML
Lat: 52.858N Lon: 2.104W Depth: 5.0 km
Grid Ref: 676.23 kmE 336.87 kmN RMS: 0.50 secs
Locality: SOUTHERN NORTH SEA
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
AEU	SZ	64.4	EP			22:24	41.52			0.05
AEU	SZ	64.4	E			22:24	41.52			
AEU	SN	64.4	ES			22:24	49.45			-0.06
AEU	SE	64.4	AML			22:24	53.33	63	0.17	
AEU	SN	64.4	AML			22:24	56.46	56	0.25	
ABA1	SZ	64.7	EP			22:24	41.09			-0.43
CWF	HZ	231.0	EP			22:25	05.53			0.60
CWF	HN	231.0	ES			22:25	31.08			1.00
CWF	HE	231.0	AML			22:25	34.01	13	0.28	
CWF	HN	231.0	AML			22:25	44.75	16	0.82	
KBI1	SZ	247.0	EP			22:25	07.99			0.92
LHO	SZ	275.0	EP			22:25	10.21			-0.38
MCH1	HZ	360.0	EP			22:25	20.97			-0.14

September 12 2007 Time: 06:44 50.7 UTC Magnitude: 1.3 ML
Lat: 56.383N Lon: -5.708W Depth: 5.5 km
Grid Ref: 171.12 kmE 727.35 kmN RMS: 0.30 secs
Locality: MULL,STRATHCLYDE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KSB	SZ	93.7	EP			06:45	06.26			-0.07
PGB1	HZ	99.2	EP			06:45	07.44			0.31
PGB1	HE	99.2	ES			06:45	18.72			-0.39
PGB1	HN	99.2	AML			06:45	20.63	14	0.44	
PGB1	HE	99.2	AML			06:45	21.14	9	0.74	
KPL	HZ	107.0	EP			06:45	08.07			-0.16
KPL	HE	107.0	ES			06:45	20.84			-0.17
KPL	HN	107.0	AML			06:45	22.73	6	0.16	
KPL	HE	107.0	AML			06:45	23.13	13	0.14	
ELO	SZ	124.0	EP			06:45	11.10			0.13
KAC	SZ	127.0	EP			06:45	11.36			-0.04
MDO	SZ	143.0	EP			06:45	14.20			0.36
MDO	SZ	143.0	ES			06:45	30.86			0.15
RRR	SN	164.0	ES			06:45	36.42			0.68
RRR	SE	164.0	AML			06:45	37.10	4	0.72	
RRR	SN	164.0	AML			06:45	38.97	3	0.18	
MVH1	SZ	195.0	ES			06:45	43.06			0.50
EAB	SZ	87.6	EP			06:45	05.48			0.14

September 17 2007 Time: 15:39 02.7 UTC Magnitude: 1.9 ML
Lat: 52.892N Lon: -1.125W Depth: 10.5 km
Grid Ref: 458.86 kmE 333.12 kmN RMS: 0.40 secs
Locality: KEYWORTH,NOTTS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 3KM NW OF KEYWORTH

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KEY1	EZ	3.7	EP			15:39	04.97			0.20
KEY1	EN	3.7	ES			15:39	06.53			0.25
CWF	HZ	21.0	EP			15:39	06.39			-0.53
CWF	HE	21.0	ES			15:39	09.83			-0.16
CWF	HN	21.0	AML			15:39	10.41	69	0.18	
CWF	HE	21.0	AML			15:39	10.48	81	0.24	
KBI1	SZ	48.6	EP			15:39	10.84			-0.31
KWE	SZ	50.1	EP		D	15:39	11.43			0.04
SSW	SZ	114.0	EP			15:39	21.47			0.24
HPK	HZ	123.0	EP			15:39	22.73			0.21
HPK	HE	123.0	ES			15:39	36.94			-0.05
HPK	HE	123.0	AML			15:39	38.00	75	0.16	
HPK	HN	123.0	AML			15:39	39.17	85	0.16	
HLM1	SZ	126.0	EP			15:39	23.27			0.35
SKP1	SZ	132.0	EP			15:39	23.57			-0.19
SBD1	SZ	144.0	EP			15:39	26.27			0.79
ABA1	SZ	153.0	EP			15:39	25.79			-0.92
MCH1	HZ	162.0	EP			15:39	28.26			0.26
MCH1	HE	162.0	ES			15:39	47.18			0.72
MCH1	HN	162.0	AML			15:39	49.04	20	0.12	
MCH1	HE	162.0	AML			15:39	49.08	14	0.18	
HTR	SZ	171.0	EP			15:39	29.84			0.60
WOL	BN	176.0	AML			15:39	53.91	22	0.40	
WOL	BE	176.0	AML			15:39	59.18	14	0.30	
HGH	SZ	181.0	EP			15:39	30.76			0.39
LHO	SZ	87.6	EP			15:39	17.11			-0.11

September 17 2007 Time: 19:35 32.3 UTC Magnitude: 3.0 ML
Lat: 55.803N Lon: -5.993W Depth: 19.4 km
Grid Ref: 149.80 kmE 663.85 kmN RMS: 0.50 secs
Locality: JURA,STRATHCLYDE
Velocity model: Lownet Xnear: 150.0 Xfar: 500.0
Comment: FELT JURA,ISLAY... Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PMS1	SZ	78.4	IP		C	19:35	45.17			-0.06
PGB1	HZ	94.6	EP			19:35	47.80			0.28
PGB1	HN	94.6	ES			19:35	58.59			-0.04
PGB1	HN	94.6	AML			19:35	59.89	402	0.18	
PGB1	HE	94.6	AML			19:36	00.09	865	0.35	
POB1	S	98.1	EP			19:35	48.45			0.47
EAB	SZ	112.0	EP			19:35	49.87			-0.13
KAR1	SZ	125.0	EP			19:35	52.24			0.44
GAL1	HZ	132.0	EP			19:35	52.92			0.04
GAL1	HE	132.0	ES			19:36	07.47			-0.43
GAL1	HN	132.0	AML			19:36	09.10	291	0.20	
GAL1	HE	132.0	AML			19:36	09.41	481	0.31	
EAU	SZ	160.0	EP			19:35	56.88			0.31
KSB	SZ	161.0	EP			19:35	56.81			0.12
EBH	SZ	163.0	EP			19:35	56.47			-0.48
GCD	SZ	167.0	EP			19:35	58.08			0.62
KPL	HZ	172.0	IP		D	19:35	58.24			0.16
KPL	HE	172.0	AML			19:36	25.50	134	0.48	
KPL	HN	172.0	AML			19:36	27.86	65	0.26	
GMM	SZ	174.0	EP			19:35	58.01			-0.35
EDI	HZ	176.0	EP			19:35	59.01			0.43
EDI	HN	176.0	ES			19:36	17.99			0.22
EDI	HE	176.0	AML			19:36	24.90	145	0.57	
EDI	HN	176.0	AML			19:36	28.36	140	0.41	
ESK	HZ	184.0	EP			19:35	59.46			-0.14
ESK	HN	184.0	ES			19:36	20.27			0.74
ESK	HE	184.0	AML			19:36	23.99	125	0.26	
ESK	HN	184.0	AML			19:36	24.85	116	0.50	
EBL	SZ	185.0	EP			19:35	59.51			-0.24
KSK	SZ	190.0	EP			19:36	01.35			0.99
KAC	SZ	194.0	EP			19:36	00.75			-0.02
ECK	SZ	194.0	EP			19:36	00.65			-0.19
MDO	SZ	208.0	EP			19:36	01.74			-0.88
ESY	SZ	212.0	EP			19:36	02.96			-0.14
RRR	SN	229.0	AML			19:36	39.99	65	0.28	
RRR	SE	229.0	AML			19:36	41.77	48	0.32	
XSO	SZ	238.0	EP			19:36	06.26			-0.15
RRH	SZ	239.0	EP			19:36	06.88			0.39
MME1	SZ	251.0	EP			19:36	06.63			-1.38
MCD	SZ	260.0	EP			19:36	08.18			-0.87
MCD	SN	260.0	AML			19:36	48.58	166	0.44	
MCD	SE	260.0	AML			19:36	48.96	198	0.56	
MVH1	SZ	261.0	EP			19:36	08.40			-0.77
REB	SZ	262.0	EP			19:36	08.92			-0.33
MLA1	SZ	321.0	EP			19:36	15.95			-0.76

September 19 2007 Time: 22:34 47.2 UTC Magnitude: 1.4 ML
Lat: 52.781N Lon: 0.654W Depth: 7.8 km
Grid Ref: 578.98 kmE 323.72 kmN RMS: 0.20 secs
Locality: SWAFFHAM,EAST ANGLIA
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: 15KM N OF SWAFFHAM

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
ABA1	SZ	35.2	IP		D	22:34	53.36			-0.18
AEU	SZ	43.2	IP		D	22:34	54.92			0.15
AEU	SN	43.2	ES			22:35	00.16			-0.11

TABLE 2 : PHASE DATA

AEU	SN	43.2	AML	22:35	01.05	30	0.22	
AEU	SE	43.2	AML	22:35	01.48	34	0.07	
AWI1	SZ	53.8	EP	22:34	56.47			0.05
CWF	HZ	132.0	EP	22:35	08.67			0.15
CWF	HN	132.0	ES	22:35	23.76			-0.30
CWF	HN	132.0	AML	22:35	25.41	12	0.26	
CWF	HE	132.0	AML	22:35	25.64	8	0.20	
KWE	SZ	170.0	EP	22:35	14.07			0.24

September 26 2007 Time: 18:33 49.8 UTC Magnitude: 3.3 ML
Lat: 53.445N Lon: 2.226W Depth: 10.0 km
Grid Ref: 680.58 kmE 402.59 kmN RMS: 0.50 secs
Locality: SOUTHERN NORTH SEA
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0

STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES
KWE	SZ	276.0	EP		18:34	29.33			-0.11
XSO	SZ	369.0	EP		18:34	40.61			-0.53
MCH1	HZ	388.0	EP		18:34	42.49			-0.95
MCH1	HN	388.0	ES		18:35	22.62			0.04
MCH1	HE	388.0	AML		18:35	40.04	94	0.42	
MCH1	HN	388.0	AML		18:35	44.88	71	0.44	
EBL	SZ	428.0	EP		18:34	48.19			-0.28
HGN	BZ	392.0	EP		18:34	43.83			-0.05
ECK	SZ	398.0	EP		18:34	44.71			-0.07
ESK	HZ	410.0	EP		18:34	45.94			-0.23
EAU	SZ	453.0	EP		18:34	51.26			-0.37
GAL1	HZ	480.0	EP		18:34	54.00			-0.91
EBH	SZ	483.0	EP		18:34	55.25			-0.05
CWF	HE	249.0	AML		18:35	05.60	86	0.48	
HPK	HE	261.0	AML		18:35	07.44	428	0.73	
AWI1	SZ	85.8	EP		18:34	03.92			-0.06
ABA1	SZ	95.2	EP		18:34	05.31			-0.12
AEU	SZ	113.0	EP		18:34	08.25			0.05
AEU	SE	113.0	ES		18:34	21.69			0.06
AEU	SE	113.0	AML		18:34	24.51	604	0.62	
AEU	SN	113.0	AML		18:34	24.77	418	0.31	
CWF	HZ	249.0	EP		18:34	25.95			-0.17
CWF	HN	249.0	AML		18:35	02.60	105	0.60	
KBI1	SZ	251.0	EP		18:34	25.48			-0.84
HPK	HZ	261.0	EP		18:34	28.81			1.28
HPK	HN	261.0	ES		18:34	55.89			0.83
HPK	HN	261.0	AML		18:35	15.04	406	0.73	
TFO1	HZ	270.0	EP		18:34	30.55			1.88
LHO	SZ	271.0	EP		18:34	28.01			-0.87

September 28 2007 Time: 05:08 34.7 UTC Magnitude: 2.7 ML
Lat: 53.312N Lon: 2.429W Depth: 10.0 km
Grid Ref: 694.97 kmE 388.63 kmN RMS: 0.40 secs
Locality: SOUTHERN NORTH SEA
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0

STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES
HPK	HN	278.0	AML		05:10	03.64	53	0.44	
LHO	SZ	286.0	EP		05:09	14.93			-0.74
KWE	SZ	287.0	EP		05:09	14.94			-0.90
SBD1	SZ	383.0	EP		05:09	27.13			-0.74
MCH1	HZ	395.0	EP		05:09	29.00			-0.28
MCH1	HE	395.0	AML		05:10	31.33	18	0.44	
MCH1	HE	395.0	ES		05:10	07.52			-1.57
MCH1	HN	395.0	AML		05:10	30.12	19	0.48	
HGH	SZ	401.0	EP		05:09	29.87			-0.18
HTR	SZ	409.0	EP		05:09	30.74			-0.26
AEU	SN	111.0	AML		05:09	10.61	105	0.38	
CWF	HE	259.0	AML		05:09	52.02	26	0.50	
HPK	HE	278.0	AML		05:10	01.95	78	0.32	
HPK	HZ	278.0	EP		05:09	13.94			-0.64
KBI1	SZ	264.0	EP		05:09	12.50			-0.39
CWF	HN	259.0	AML		05:09	50.61	32	0.62	
CWF	HN	259.0	ES		05:09	40.51			0.94
CWF	HZ	259.0	EP		05:09	13.31			1.10
AEU	SE	111.0	AML		05:09	09.92	83	0.22	
AEU	SE	111.0	ES		05:09	05.92			-0.11
AEU	SZ	111.0	EP		05:08	52.85			0.02
ABA1	SZ	98.0	EP		05:08	50.63			-0.18
AWI1	SZ	84.7	EP		05:08	48.90			0.16

September 29 2007 Time: 21:29 41.4 UTC Magnitude: 1.4 ML
Lat: 56.033N Lon: -5.934W Depth: 7.5 km
Grid Ref: 154.95 kmE 689.21 kmN RMS: 0.30 secs
Locality: JURA,STRATHCLYDE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES
PGB1	HE	94.0	AML		21:30	10.68	10	0.19	
PGB1	HN	94.0	AML		21:30	11.04	12	0.21	
EAB	SZ	101.0	EP		21:29	57.87			-0.05
ELO	SZ	146.0	EP		21:30	05.25			0.53
KPL	HZ	146.0	EP		21:30	04.31			-0.34
KPL	HE	146.0	ES		21:30	21.64			0.00
KPL	HN	146.0	AML		21:30	23.86	4	0.13	
KPL	HE	146.0	AML		21:30	25.63	8	0.43	
GAL1	HZ	151.0	EP		21:30	05.66			0.31
GAL1	HE	151.0	ES		21:30	22.55			-0.30
GAL1	HE	151.0	AML		21:30	26.02	9	0.23	
GAL1	HN	151.0	AML		21:30	26.36	6	0.40	
KAC	SZ	168.0	EP		21:30	07.75			0.03
ESK	HZ	189.0	EP		21:30	12.36			1.94
ESK	HE	189.0	ES		21:30	31.21			-0.41
ESK	HN	189.0	AML		21:30	35.99	10	0.42	
ESK	HE	189.0	AML		21:30	36.24	4	0.41	
PGB1	HN	94.0	ES		21:30	08.08			-0.04
PGB1	HZ	94.0	EP		21:29	56.85			0.01

October 1 2007 Time: 09:05 10.4 UTC Magnitude: 1.0 ML
Lat: 54.460N Lon: -2.483W Depth: 7.8 km
Grid Ref: 368.69 kmE 507.30 kmN RMS: 0.30 secs
Locality: ORTON,CUMBRIA
Velocity model: Lownet Xnear: 75.0 Xfar: 150.0
Comment: 5KM EAST OF ORTON

STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES
XAL	SZ	47.9	EP		09:05	18.67			-0.12
ECK	SZ	90.4	EP		09:05	25.31			-0.04
ESK	HZ	106.0	EP		09:05	27.77			0.01
ESK	HN	106.0	ES		09:05	40.39			-0.02
ESK	HN	106.0	AML		09:05	41.70	5	0.18	
ESK	HE	106.0	AML		09:05	42.07	4	0.20	
XSO	SZ	116.0	EP		09:05	30.10			0.76
EBL	SZ	150.0	EP		09:05	35.11			0.77

October 4 2007 Time: 02:39 25.0 UTC Magnitude: 1.6 ML
Lat: 56.287N Lon: -4.964W Depth: 7.1 km
Grid Ref: 216.56 kmE 714.44 kmN RMS: 0.40 secs
Locality: INVERARAY,STRATHCLYDE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES
EAB	SZ	40.3	IP	C	02:39	32.01			-0.18
PCA1	SZ	78.9	IP	C	02:39	38.43			0.26
ELO	SZ	80.0	IP	D	02:39	38.21			-0.18
KAR1	SZ	88.1	IP	C	02:39	39.49			-0.10
EBH	SZ	90.3	EP		02:39	39.94			-0.01
KSB	SZ	106.0	EP		02:39	42.36			-0.11
EAU	SZ	106.0	IP	C	02:39	42.64			0.18
EDI	HZ	118.0	EP		02:39	44.51			0.35
EDI	HN	118.0	ES		02:39	57.77			-0.34
EDI	HE	118.0	AML		02:40	00.41	15	0.48	
EDI	HN	118.0	AML		02:40	00.94	26	0.26	
KPL	HZ	124.0	EP		02:39	45.27			0.10
KPL	HE	124.0	ES		02:39	59.75			-0.12
KPL	HE	124.0	AML		02:40	00.76	10	0.14	
KPL	HN	124.0	AML		02:40	02.08	8	0.34	
EBL	SZ	133.0	EP		02:39	46.42			-0.01
MDO	SZ	134.0	EP		02:39	46.84			0.29
KAC	SZ	136.0	EP		02:39	46.89			-0.03
ESY	SZ	152.0	EP		02:39	49.59			0.44
ESK	HZ	154.0	EP		02:39	49.43			-0.07
ESK	HE	154.0	ES		02:40	06.67			-0.68
ESK	HN	154.0	AML		02:40	11.14	8	0.30	
ESK	HE	154.0	AML		02:40	11.44	7	0.34	
GAL1	HZ	159.0	EP		02:39	49.90			-0.22
GAL1	HE	159.0	ES		02:40	07.69			-0.74
GAL1	HE	159.0	AML		02:40	09.33	10	0.26	
GAL1	HN	159.0	AML		02:40	10.75	7	0.48	
MME1	SZ	167.0	EP		02:39	51.96			0.58
ECK	SZ	169.0	EP		02:39	51.93			0.41
GCD	SZ	171.0	EP		02:39	52.99			1.19
MCD	SZ	178.0	EP		02:39	53.74			1.08
MCD	SE	178.0	ES		02:40	14.36			1.54
MCD	SN	178.0	AML		02:40	17.68	12	0.56	
MCD	SE	178.0	AML		02:40	18.06	15	0.58	
RRR	SZ	182.0	EP		02:39	52.58			-0.57
RRR	SN	182.0	ES		02:40	12.38			-1.29
RRR	SN	182.0	AML		02:40	18.54	7	0.16	
RRR	SE	182.0	AML		02:40	19.04	8	0.34	

October 5 2007 Time: 07:33 01.3 UTC Magnitude: 3.4 ML
Lat: 53.020N Lon: 2.287W Depth: 10.0 km
Grid Ref: 687.47 kmE 355.60 kmN RMS: 1.00 secs
Locality: SOUTHERN NORTH SEA
Velocity model: North Sea Xnear: 300.0 Xfar: 600.0

STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES
AWI1	SZ	60.2	EP		07:33	10.21			-0.90
AWI1	SZ	60.2	ES		07:33	18.30			0.00
ABA1	SZ	78.1	EP		07:33	12.76			-1.20
AEU	SZ	83.7	EP		07:33	14.06			-0.76
AEU	SN	83.7	ES		07:33	23.34			-1.38
AEU	SN	83.7	AML		07:33	27.04	591	0.54	
AEU	SE	83.7	AML		07:33	31.10	390	0.62	
TFO1	HZ	226.0	EP		07:33	35.38			1.50
TFO1	SZ	226.0	EP		07:33	35.63			
TFO1	HN	226.0	AML		07:34	14.09	439	0.42	
TFO1	HE	226.0	AML		07:34	16.82	397	0.54	
CWF	HZ	244.0	EP		07:33	36.55			0.46
CWF	HN	244.0	ES		07:34	03.85			2.33
CWF	HE	244.0	AML		07:34	13.90	128	0.46	
CWF	HN	244.0	AML		07:34	14.97	151	0.58	
KBI1	SZ	257.0	EP		07:33	38.01			0.34
KWE	SZ	277.0	EP		07:33	40.61			0.40
HPK	HN	280.0	AML		07:34	26.61	381	0.44	
HPK	HE	280.0	AML		07:34	27.96	534	0.68	
LHO	SZ	282.0	EP		07:33	41.19			0.31
STNC	HZ	301.0	EP		07:33	43.88			0.66
MCH1	HZ	376.0	EP		07:33	52.72			0.18
MCH1	HN	376.0	AML		07:34	49.51	123	0.64	
MCH1	HE	376.0	AML		07:34	55.12	82	0.46	
XSO	SZ	404.0	EP		07:33	53.86			-2.13
ECK	SZ	428.0	EP		07:33	58.60			-0.38
ESK	HZ	440.0	EP		07:33	59.92			-0.57
ESY	SZ	453.0	EP		07:34	01.36			-0.66
EBL	SZ	462.0	EP		07:34	02.57			-0.65
EDI	HZ	480.0	EP		07:34	05.38			0.00
EAU	SZ	487.0	EP		07:34	05.94			-0.36
GAL1	HZ	503.0	EP		07:34	07.79			-0.49
HTL	HZ	516.0	EP		07:34	09.50			-0.42
EBH	SZ	519.0	EP		07:34	09.52			-0.70
JLP	SZ	520.0	EP		07:34	09.60			-0.75
JQE	SZ	522.0	EP		07:34	10.32			-0.24
JRS	SZ	524.0	EP		07:34	10.35			-0.58
JVM	SZ	527.0	EP		07:34	10.86			-0.37
JSA	HZ	528.0	EP		07:34	10.94			-0.44
PGB1	HZ	538.0	EP		07:34	12.05			-0.56
ELO	SZ	544.0	EP		07:34	13.43			-0.02
EAB	SZ	554.0	EP		07:34	14.10			-0.55
KPL	HZ	697.0	EP		07:34	31.39			-0.98

October 8 2007 Time: 03:50 26.1 UTC Magnitude: 2.6 ML
Lat: 48.197N Lon: -3.599W Depth: 10.0 km

TABLE 2 : PHASE DATA

Grid Ref: 281.19 kmE -188.02 kmN RMS: 0.20 secs
Locality: NORTHERN FRANCE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
JSA	HZ	152.0	EP			03:50	50.20			0.18
JSA	HN	152.0	ES			03:51	07.71			0.21
JSA	HN	152.0	AML			03:51	10.18	114	0.30	
JSA	HE	152.0	AML			03:51	10.52	79	0.44	
JVM	SZ	153.0	EP			03:50	50.27			0.16
JRS	SE	157.0	ES			03:51	08.34			-0.27
JRS	SE	157.0	AML			03:51	11.19	71	0.22	
JQE	SZ	160.0	EP			03:50	51.16			0.01
JLP	SZ	161.0	EP			03:50	51.18			-0.04
CMA1	SZ	237.0	EP			03:51	01.25			0.40
DYA	HZ	250.0	EP			03:51	02.27			-0.21
DYA	HE	250.0	ES			03:51	28.89			-0.18
DYA	HN	250.0	AML			03:51	38.81	44	0.36	
DYA	HE	250.0	AML			03:51	38.92	41	0.26	
CCA1	SZ	251.0	EP			03:51	02.44			-0.15
CSA1	SZ	258.0	EP			03:51	03.49			0.12
HTL	HZ	318.0	EP			03:51	10.62			-0.26
HTL	HE	318.0	ES			03:51	43.93			0.33
HTL	HE	318.0	AML			03:52	03.80	21	0.50	
HTL	HN	318.0	AML			03:52	04.89	24	0.52	
HTR	SZ	432.0	EP			03:51	24.94			-0.34
JRS	SZ	157.0	EP			03:50	50.70			0.04

October 9 2007 Time: 03:58 05.1 UTC Magnitude: 2.0 ML
Lat: 48.502N Lon: -3.680W Depth: 10.0 km
Grid Ref: 275.91 kmE -153.99 kmN RMS: 0.40 secs
Locality: NORTHERN FRANCE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
JSA	HE	134.0	AML			03:58	48.03	29	0.24	
JRS	SE	139.0	AML			03:58	45.99	24	0.24	
DYA	HE	216.0	AML			03:59	13.80	13	0.26	
JQE	SZ	143.0	EP			03:58	27.57			-0.16
JLP	SZ	142.0	ES			03:58	44.05			-0.01
JLP	SZ	142.0	EP			03:58	27.98			0.38
DYA	HZ	216.0	EP			03:58	37.21			0.04
JSA	HZ	134.0	EP			03:58	26.39			-0.06
JQE	SZ	143.0	ES			03:58	44.90			0.62
DYA	HN	216.0	AML			03:59	14.76	10	0.28	
JSA	HN	134.0	AML			03:58	44.66	38	0.20	
JSA	HE	134.0	ES			03:58	41.21			-0.86
JRS	SE	139.0	ES			03:58	43.62			0.28
JVM	SZ	134.0	EP			03:58	26.41			-0.01
JRS	SZ	139.0	EP			03:58	26.98			-0.21

October 14 2007 Time: 23:21 30.3 UTC Magnitude: 2.0 ML
Lat: 48.549N Lon: -3.784W Depth: 10.0 km
Grid Ref: 268.35 kmE -148.59 kmN RMS: 0.30 secs
Locality: NORTHERN FRANCE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
DYA	HE	210.0	AML			23:22	40.21	7	0.46	
DYA	HN	210.0	AML			23:22	40.22	6	0.26	
JSA	HE	138.0	ES			23:22	07.64			-0.58
JSA	HN	138.0	AML			23:22	10.04	58	0.18	
JVM	SZ	138.0	EP			23:21	52.39			0.24
JRS	SZ	143.0	EP			23:21	52.86			-0.11
JRS	SE	143.0	ES			23:22	10.10			0.58
JSA	HE	138.0	AML			23:22	10.32	42	0.20	
JRS	SE	143.0	AML			23:22	14.78	33	0.38	
JLP	SZ	146.0	EP			23:21	53.48			0.14
JQE	SZ	147.0	EP			23:21	53.32			-0.20
JSA	HZ	138.0	EP			23:21	52.15			-0.07

October 14 2007 Time: 23:33 05.3 UTC Magnitude: 2.2 ML
Lat: 48.420N Lon: -3.711W Depth: 10.0 km
Grid Ref: 273.42 kmE -163.05 kmN RMS: 0.40 secs
Locality: NORTHERN FRANCE
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
JSA	HN	142.0	AML			23:33	45.81	57	0.18	
JSA	HE	142.0	AML			23:33	45.95	46	0.18	
JVM	SZ	142.0	EP			23:33	27.94			0.23
JRS	SZ	147.0	EP			23:33	28.15			-0.28
JRS	SE	147.0	AML			23:33	50.53	53	0.54	
JLP	SZ	150.0	EP			23:33	29.07			0.19
JRS	SE	147.0	ES			23:33	45.25			-0.08
JQE	SZ	150.0	ES			23:33	47.07			0.82
DYA	HZ	225.0	EP			23:33	38.54			0.02
JQE	SZ	150.0	EP			23:33	28.69			-0.27
DYA	HN	225.0	AML			23:34	15.97	12	0.22	
JSA	HZ	142.0	EP			23:33	27.81			0.09
JSA	SZ	142.0	EP			23:33	27.85			
JSA	HE	142.0	ES			23:33	43.38			-0.72
DYA	HE	225.0	AML			23:34	14.97	15	0.26	

October 23 2007 Time: 17:15 11.9 UTC Magnitude: 1.1 ML
Lat: 55.222N Lon: -3.481W Depth: 5.0 km
Grid Ref: 305.80 kmE 592.98 kmN RMS: 0.40 secs
Locality: JOHNSTONEBRIDGE,D & G
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
BWH	SZ	12.2	EP			17:15	14.68			0.15
ESK	HZ	20.4	EP			17:15	15.57			-0.33
ESK	HE	20.4	ES			17:15	18.13			-0.70
ESK	HE	20.4	AML			17:15	18.37	40	0.10	
ESK	HN	20.4	AML			17:15	18.80	59	0.12	
BHH	SZ	22.0	EP			17:15	16.54			0.38
BHH	SN	22.0	ES			17:15	19.51			0.23
BHH	SN	22.0	AML			17:15	19.73	16	0.18	
BHH	SE	22.0	AML			17:15	19.75	14	0.19	
ECK	SZ	22.8	EP			17:15	16.14			-0.18
EBL	**SZ**	**67.2**	**EP**			**17:15**	**23.31**			**-0.10**
EAU	SZ	69.4	EP			17:15	23.83			0.09
EDI	HZ	80.2	EP			17:15	25.60			0.23
EDI	HE	80.2	ES			17:15	35.05			-0.16
EDI	HE	80.2	AML			17:15	36.11	10	0.17	
EDI	HN	80.2	AML			17:15	36.25	19	0.29	
XSO	SZ	83.6	EP			17:15	25.76			-0.21
GAL1	HZ	88.1	EP			17:15	26.41			-0.17
GAL1	HN	88.1	ES			17:15	36.49			-0.81
GAL1	HN	88.1	AML			17:15	39.47	12	0.11	
GAL1	HE	88.1	AML			17:15	39.47	8	0.10	
XAL	SZ	90.3	EP			17:15	27.36			0.36
PGB1	HZ	91.2	EP			17:15	27.81			0.72
ESY	SZ	94.8	EP			17:15	27.91			0.24
EBH	SZ	114.0	EP			17:15	31.07			0.38

October 27 2007 Time: 06:30 56.2 UTC Magnitude: 3.1 ML
Lat: 62.894N Lon: 1.719W Depth: 8.5 km
Grid Ref: 588.96 kmE 1451.65 kmN RMS: 0.70 secs
Locality: NORTHERN NORTH SEA
Velocity model: North Sea Xnear: 500.0 Xfar: 750.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
BER	HZ	339.0	EP			06:31	41.83			-1.12
KPL	HZ	741.0	EP			06:32	32.94			0.03
KONO	BN	556.0	ES			06:33	04.64			0.99
KONO	BZ	556.0	EP			06:32	10.44			0.58
LRW	HE	344.0	AML			06:32	20.43	61	0.19	
LRW	HE	344.0	ES			06:32	17.75			-0.38
LRW	HN	344.0	AML			06:32	19.87	46	0.28	
LRW	HZ	344.0	EP			06:31	44.30			0.75
WAL1	SZ	343.0	EP			06:31	43.50			0.02
MOL	HE	300.0	ES			06:32	08.53			-0.22

October 28 2007 Time: 03:27 43.9 UTC Magnitude: 1.7 ML
Lat: 58.468N Lon: -4.957W Depth: 4.7 km
Grid Ref: 227.55 kmE 957.06 kmN RMS: 0.40 secs
Locality: KINLOCHBERVIE,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
RSC	SZ	18.2	IP		D	03:27	47.33			-0.12
RRH	SZ	119.0	EP			03:28	03.55			0.22
KPL	HZ	132.0	EP			03:28	05.89			0.51
KPL	HN	132.0	ES			03:28	21.71			0.63
KPL	HE	132.0	AML			03:28	23.90	34	0.25	
KPL	HN	132.0	AML			03:28	24.05	10	0.31	
MVH1	SZ	75.7	IP		D	03:27	56.58			-0.10
MLA1	SZ	95.0	EP			03:27	59.45			-0.22
KSB	SZ	143.0	EP			03:28	07.33			0.37
KAC	SZ	110.0	EP			03:28	01.98			0.00
RRR	SZ	84.4	EP			03:27	57.99			-0.01
RRR	SN	84.4	AML			03:28	10.91	14	0.26	
RRR	SE	84.4	ES			03:28	07.77			-0.55
RRR	SE	84.4	AML			03:28	08.71	12	0.25	
MCD	SZ	141.0	EP			03:28	06.89			0.23
MCD	SN	141.0	ES			03:28	23.02			-0.27
MCD	SN	141.0	AML			03:28	23.78	22	0.28	
MCD	SE	141.0	AML			03:28	24.74	18	0.24	
MDO	SZ	120.0	EP			03:28	04.03			0.48
MME1	SZ	175.0	ES			03:28	30.37			-1.17

October 31 2007 Time: 14:18 25.1 UTC Magnitude: 1.1 ML
Lat: 55.505N Lon: -3.935W Depth: 6.7 km
Grid Ref: 277.80 kmE 625.17 kmN RMS: 0.30 secs
Locality: DOUGLAS,STRATHCLYDE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	48.5	EP			14:18	33.32			-0.24
PGB1	HE	48.5	AML			14:18	40.57	14	0.40	
PGB1	HN	48.5	AML			14:18	50.89	15	0.68	
EAU	SZ	48.7	EP			14:18	33.39			-0.24
EAU	SZ	48.7	ES			14:18	40.10			0.25
ESK	HZ	50.8	IP		C	14:18	33.65			-0.28
ESK	HN	50.8	ES			14:18	39.94			-0.43
ESK	HN	50.8	AML			14:18	45.53	10	0.48	
ESK	HE	50.8	AML			14:18	46.19	13	0.90	
ECK	SZ	62.6	EP			14:18	35.89			0.11
EBL	SZ	63.5	EP			14:18	36.43			0.50
EDI	HZ	66.1	EP			14:18	36.15			-0.13
EDI	HN	66.1	AML			14:18	45.38	12	0.48	
EDI	HZ	66.1	AML			14:18	48.50	11	0.54	
EAB	SZ	80.1	EP			14:18	38.25			-0.23
GAL1	HZ	86.6	EP			14:18	39.58			0.12
GAL1	HE	86.6	ES			14:18	50.11			0.17
GAL1	HN	86.6	AML			14:18	54.60	17	0.46	
GAL1	HE	86.6	AML			14:18	54.92	18	0.42	
EBH	SZ	86.8	EP			14:18	39.54			0.00
ESY	SZ	94.9	EP			14:18	40.93			0.15
XSO	SZ	106.0	EP			14:18	42.87			0.26

November 2 2007 Time: 10:03 03.8 UTC Magnitude: 1.0 ML
Lat: 56.011N Lon: -3.971W Depth: 2.1 km
Grid Ref: 277.13 kmE 681.53 kmN RMS: 0.20 secs
Locality: DENNY,CENTRAL
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EAB	SZ	30.2	IP		C	10:03	09.42			-0.06
EAU	SZ	37.6	IP		C	10:03	10.59			-0.16
PGB1	HZ	38.9	EP			10:03	10.83			-0.12
PGB1	HN	38.9	ES			10:03	16.14			-0.05
PGB1	HN	38.9	AML			10:03	16.65	21	0.50	
PGB1	HE	38.9	AML			10:03	17.13	24	0.56	
EBH	SZ	39.1	IP		C	10:03	11.12			0.12
ELO	SZ	53.7	EP			10:03	13.40			-0.06
EBL	SZ	63.8	IP		C	10:03	14.66			-0.35
ESY	SZ	85.4	EP			10:03	18.65			0.31
ESK	HZ	91.1	EP			10:03	19.10			-0.11
ESK	HN	91.1	AML			10:03	31.99	4	0.56	
ESK	HE	91.1	AML			10:03	35.22	5	0.44	

TABLE 2 : PHASE DATA

ECK	SZ	107.0	EP		10:03	21.69			0.07
GAL1	HZ	136.0	EP		10:03	26.47			0.40
GAL1	HE	136.0	AML		10:03	44.05	4	0.48	
GAL1	HN	136.0	AML		10:03	44.08	4	0.28	

November 9 2007 Time: 09:14 35.2 UTC Magnitude: 1.7 ML
Lat: 58.130N Lon: -3.038W Depth: 8.2 km
Grid Ref: 338.87 kmE 916.11 kmN RMS: 0.40 secs
Locality: MORAY FIRTH
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
Comment: 35KM E OF HELMSDALE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCD	SZ	62.2	IP		C	09:14	45.92			0.19
MCD	SN	62.2	ES			09:14	53.17			-0.26
MCD	SN	62.2	AML			09:14	53.91	53	0.40	
MCD	SE	62.2	AML			09:14	58.59	58	0.16	
MVH1	SZ	71.3	EP			09:14	46.82			-0.30
MDO	SZ	110.0	EP			09:14	53.35			0.19
KAC	SZ	152.0	EP			09:15	00.01			0.82
KPL	HZ	179.0	EP			09:15	02.20			-0.60
KPL	HE	179.0	AML			09:15	06.37	4	0.30	
KPL	HN	179.0	AML			09:15	30.12	6	1.32	
EAB	SZ	230.0	EP			09:15	09.29			0.04
MLA1	SZ	27.3	IP		D	09:14	40.21			-0.09

November 14 2007 Time: 17:08 37.4 UTC Magnitude: 2.4 ML
Lat: 58.125N Lon: -3.124W Depth: 5.0 km
Grid Ref: 333.80 kmE 915.63 kmN RMS: 0.50 secs
Locality: MORAY FIRTH
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0
Comment: 30KM E OF HELMSDALE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCD	SN	60.9	ES			17:08	55.46			-0.17
MCD	SN	60.9	AML			17:08	56.12	228	0.31	
MCD	SE	60.9	AML			17:09	00.89	186	0.18	
MVH1	SZ	66.4	IP		D	17:08	49.05			0.26
MDO	SZ	106.0	IP		C	17:08	55.41			0.43
LRW	HZ	250.0	EP			17:09	14.14			-0.21
LRW	HE	250.0	ES			17:09	41.43			0.14
LRW	HN	250.0	AML			17:09	53.66	10	0.50	
LRW	HE	250.0	AML			17:09	54.27	16	0.52	
MCD	SZ	60.9	IP		C	17:08	48.13			0.17
MLA1	SZ	24.5	IP		D	17:08	42.38			0.25
EAB	SZ	228.0	EP			17:09	11.23			-0.35
EAU	SZ	255.0	EP			17:09	15.09			0.13
EBH	SZ	210.0	EP			17:09	09.37			-0.06
EBL	SZ	262.0	EP			17:09	16.36			0.46
ECK	SZ	328.0	EP			17:09	24.07			-0.03
EDI	HE	245.0	ES			17:09	41.60			1.39
EDI	HE	245.0	AML			17:09	47.71	35	0.47	
EDI	HN	245.0	AML			17:09	53.93	46	0.60	
ELO	SZ	188.0	EP			17:09	06.71			0.09
ESY	SZ	248.0	EP			17:09	14.49			0.40
KAC	SZ	147.0	EP			17:09	00.55			-0.50
KPL	HE	174.0	ES			17:09	25.28			0.46
KPL	HZ	174.0	EP			17:09	03.49			-1.34
WAL1	SZ	253.0	EP			17:09	14.28			-0.38

November 14 2007 Time: 19:35 12.4 UTC Magnitude: 1.0 ML
Lat: 58.124N Lon: -3.146W Depth: 7.0 km
Grid Ref: 332.50 kmE 915.54 kmN RMS: 0.20 secs
Locality: MORAY FIRTH
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0
Comment: 30KM E OF HELMSDALE

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MLA1	SZ	23.9	IP		D	19:35	16.87			-0.15
MCD	SZ	60.6	EP			19:35	23.03			0.31
MCD	SN	60.6	ES			19:35	29.99			-0.27
MCD	SN	60.6	AML			19:35	30.81	9	0.44	
MCD	SE	60.6	AML			19:35	35.34	11	0.10	
MVH1	SZ	65.1	EP			19:35	23.50			0.10

November 24 2007 Time: 14:41 31.6 UTC Magnitude: 1.9 ML
Lat: 53.127N Lon: -4.541W Depth: 5.2 km
Grid Ref: 230.01 kmE 361.92 kmN RMS: 0.30 secs
Locality: CAERNARFON BAY
Velocity model: Lleyn Xnear: 100.0 Xfar: 300.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
CWF	HN	222.0	ES			14:42	28.51			0.45
HGH	SZ	204.0	EP			14:42	02.91			-0.05
GAL1	HN	194.0	AML			14:42	28.67	7	0.22	
GAL1	HZ	194.0	EP			14:42	01.45			-0.29
GAL1	HE	194.0	AML			14:42	27.26	17	0.44	
GAL1	HE	194.0	ES			14:42	21.51			-0.70
LHO	SZ	185.0	EP			14:42	00.39			-0.27
ESK	HZ	259.0	EP			14:42	09.09			-0.78
CWF	HN	222.0	AML			14:42	32.98	11	0.52	
CWF	HE	222.0	AML			14:42	33.89	6	0.28	
ESK	HE	259.0	ES			14:42	36.13			0.26
ESK	HN	259.0	AML			14:42	47.20	5	0.22	
ESK	HE	259.0	AML			14:42	51.11	8	0.92	
WIM	SZ	114.0	EP			14:41	50.28			-0.26
MCH1	HZ	164.0	EP			14:41	57.41			-0.55
YRC	SZ	13.9	IP		D	14:41	34.25			0.06
YRE	SZ	18.0	EP			14:41	34.74			-0.12
YLL	SZ	24.8	EP		C	14:41	36.33			0.36
WCB	SZ	27.9	EP			14:41	36.54			0.07
WCB	SE	27.9	ES			14:41	39.96			0.21
SBD1	SZ	89.5	IP		D	14:41	46.51			-0.15
SBD1	SZ	89.5	ES			14:41	56.55			-0.32
GIM	SZ	130.0	EP			14:41	53.25			0.27
HLM1	SZ	131.0	EP			14:41	53.25			0.10
HTR	SZ	145.0	IP		C	14:41	55.11			-0.23
HBL2	N	157.0	ES			14:42	15.37			0.79
MCH1	HE	164.0	ES			14:42	16.36			0.50
MCH1	HN	164.0	AML			14:42	18.81	32	0.56	
MCH1	HE	164.0	AML			14:42	20.57	22	0.30	

November 24 2007 Time: 21:44 14.4 UTC Magnitude: 1.5 ML
Lat: 50.971N Lon: -5.357W Depth: 11.1 km
Grid Ref: 164.34 kmE 124.49 kmN RMS: 0.30 secs
Locality: OFF HARTLAND POINT
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
DYA	HE	117.0	ES			21:44	46.92			-0.23
HTL	HN	61.3	AML			21:44	34.56	27	0.28	
MCH1	HE	200.0	AML			21:45	15.84	5	0.54	
MCH1	HN	200.0	AML			21:45	11.24	3	0.25	
HGH	SZ	193.0	EP			21:44	43.67			0.10
HEX	SZ	110.0	EP			21:44	32.51			0.24
HTL	HZ	61.3	EP			21:44	24.43			-0.39
HTL	HE	61.3	AML			21:44	35.53	33	0.11	
MCH1	HZ	200.0	EP			21:44	44.07			-0.36
HTL	HE	61.3	ES			21:44	32.58			0.18
DYA	HN	117.0	AML			21:44	48.82	12	0.32	
DYA	HZ	117.0	EP			21:44	33.67			0.32
DYA	HE	117.0	AML			21:44	50.30	10	0.13	

November 30 2007 Time: 17:08 56.7 UTC Magnitude: 2.3 ML
Lat: 55.803N Lon: -3.202W Depth: 5.9 km
Grid Ref: 324.66 kmE 657.29 kmN RMS: 0.30 secs
Locality: PENICUIK,MIDLOTHIAN
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0
Comment: FELT PENICUIK Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EBL	SZ	10.5	EP			17:08	59.26			0.08
EBL	SZ	10.5	ES			17:09	00.86			-0.10
EDI	HZ	13.4	IP		C	17:08	59.60			0.01
EDI	HN	13.4	ES			17:09	01.68			0.01
EDI	HN	13.4	AML			17:09	01.76	1055	0.10	
EDI	HE	13.4	AML			17:09	01.97	1588	0.17	
EAU	SZ	16.0	IP		C	17:08	59.94			-0.12
ESY	SZ	39.0	EP			17:09	03.55			-0.26
EBH	SZ	53.0	EP			17:09	06.05			0.06
ESK	HZ	54.2	IP		C	17:09	06.22			0.08
ESK	HE	54.2	ES			17:09	12.57			-0.44
ESK	HE	54.2	AML			17:09	12.80	135	0.16	
ESK	HN	54.2	AML			17:09	13.18	76	0.18	
XSO	SZ	69.2	IP		C	17:09	09.11			0.59
ECK	SZ	69.4	EP			17:09	08.95			0.42
BWH	SZ	75.4	EP			17:09	09.76			0.31
BHH	SZ	79.0	EP			17:09	10.74			0.75
BHH	SN	79.0	ES			17:09	19.97			0.31
PGB1	HZ	80.3	EP			17:09	10.35			0.16
PGB1	HE	80.3	ES			17:09	19.76			-0.25
ELO	SZ	80.7	EP			17:09	10.37			0.05
EAB	SZ	82.8	EP			17:09	10.56			-0.03
XAL	SZ	122.0	EP			17:09	18.25			1.53
GAL1	HZ	142.0	EP			17:09	19.40			-0.08
GAL1	HE	142.0	ES			17:09	36.59			0.51
GAL1	HE	142.0	AML			17:09	38.36	77	0.13	
GAL1	HN	142.0	AML			17:09	38.47	143	0.21	

November 30 2007 Time: 22:05 43.5 UTC Magnitude: 2.9 ML
Lat: 52.866N Lon: -3.277W Depth: 12.0 km
Grid Ref: 314.05 kmE 330.64 kmN RMS: 0.30 secs
Locality: LLANGOLLEN,N WALES
Velocity model: Lleyn Xnear: 100.0 Xfar: 150.0
Comment: FELT LLANGOLLEN... Intensity: 4

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HTR	SZ	87.7	EP			22:05	57.91			-0.05
YRE	SZ	78.3	IP		C	22:05	56.69			0.19
STNC	HE	76.1	AML			22:06	11.89	462	0.42	
STNC	HN	76.1	AML			22:06	08.78	374	0.38	
WPM1	SZ	60.6	IP		D	22:05	53.79			-0.01
STNC	HE	76.1	ES			22:06	05.29			0.50
STNC	HZ	76.1	IP		C	22:05	55.96			-0.22
YLL	SZ	67.3	IP		C	22:05	54.80			0.00
HLM1	SZ	47.1	IP		D	22:05	51.54			-0.15
SBD1	SZ	4.5	IP		C	22:05	46.02			0.26
WLF1	HZ	88.6	EP			22:05	57.86			-0.21
WLF1	HN	88.6	ES			22:06	08.07			0.09
WLF1	HE	88.6	AML			22:06	08.90	482	0.30	
YRC	SZ	97.0	IP		C	22:05	59.32			-0.04
KWE	SZ	97.9	IP		C	22:05	59.14			-0.40
MCH1	HZ	98.5	EP			22:05	59.29			-0.33
MCH1	HE	98.5	AML			22:06	14.76	125	0.14	
MCH1	HN	98.5	AML			22:06	15.35	273	0.27	
KBI1	SZ	125.0	EP			22:06	03.47			-0.22
DSB	BN	212.0	AML			22:06	47.32	105	0.29	
ESK	HZ	273.0	EP			22:06	21.29			-1.47
SWN1	HE	181.0	ES			22:06	33.33			3.11
SWN1	HZ	181.0	EP			22:06	12.21			0.90
WIM	SZ	170.0	EP			22:06	09.30			-0.63
HPK	HZ	164.0	EP			22:06	08.31			-0.82
CWF	HN	134.0	AML			22:06	20.49	393	0.21	
HGH	SZ	140.0	EP			22:06	06.47			0.40
SSW	EZ	139.0	IP		D	22:06	06.62			0.70
CWF	HE	134.0	AML			22:06	20.70	190	0.25	
CWF	HE	134.0	ES			22:06	19.75			0.12
CWF	HZ	134.0	EP			22:06	04.30			-0.71
DSB	BE	212.0	AML			22:06	44.56	88	0.32	
HEX	SZ	204.0	EP			22:06	15.60			1.51
DSB	BZ	212.0	EP			22:06	15.17			0.04
HTL	HZ	224.0	EP			22:06	18.53			1.87
HTL	HE	224.0	AML			22:06	48.39	216	0.39	
HTL	HN	224.0	AML			22:06	49.69	183	0.51	
GAL1	HZ	242.0	EP			22:06	17.83			-1.03
PGB1	HZ	337.0	EP			22:06	29.12			-1.67
WLF1	HN	88.6	AML			22:06	08.92	672	0.31	
MCH1	HN	98.5	ES			22:06	10.99			0.41
WME	SZ	90.6	EP			22:05	58.42			0.03

December 9 2007 Time: 15:59 57.2 UTC Magnitude: 2.3 ML

TABLE 2 : PHASE DATA

Lat: 55.788N Lon: -3.221W Depth: 4.7 km
Grid Ref: 323.44 kmE 655.64 kmN RMS: 0.40 secs
Locality: PENICUIK,MIDLOTHIAN
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0
Comment: FELT PENICUIK Intensity: 3

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
EBL	SZ	11.2	EP			15:59	59.47			-0.23
EBL	SZ	11.2	ES			16:00	01.34			-0.18
EAU	SZ	15.6	IP			16:00	00.17			-0.24
EAU	SZ	15.6	ES			16:00	02.48			-0.27
ESY	SZ	40.6	EP			16:00	04.05			-0.57
ESK	HZ	52.5	EP			16:00	06.64			0.20
ESK	HE	52.5	ES			16:00	13.05			-0.12
ESK	HE	52.5	AML			16:00	13.39	92	0.26	
ESK	HN	52.5	AML			16:00	13.71	67	0.23	
EBH	SZ	54.2	EP			16:00	06.37			-0.36
XSO	SZ	69.4	IP		C	16:00	09.61			0.50
BWH	SZ	73.5	EP			16:00	10.34			0.65
BHH	SZ	77.3	EP			16:00	11.30			1.02
BHH	SE	77.3	ES			16:00	20.51			0.68
EAB	SZ	82.7	EP			16:00	11.06			-0.07
BDL	SZ	111.0	EP			16:00	17.33			1.82
XAL	SZ	121.0	EP			16:00	18.59			1.45
GAL1	HZ	140.0	EP			16:00	19.97			0.19
GAL1	HE	140.0	ES			16:00	37.08			0.83
GAL1	HN	140.0	AML			16:00	38.97	144	0.15	
GAL1	HE	140.0	AML			16:00	39.00	109	0.27	

December 18 2007 Time: 15:06 39.8 UTC Magnitude: 1.9 ML
Lat: 48.456N Lon: -1.398W Depth: 7.4 km
Grid Ref: 444.50 kmE -160.29 kmN RMS: 0.10 secs
Locality: NORTHERN FRANCE
Velocity model: Lownet Xnear: 300.0 Xfar: 600.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
JQE	SZ	95.2	IP		C	15:06	55.52			0.09
JRS	SZ	96.4	EP			15:06	55.61			-0.02
JRS	SE	96.4	ES			15:07	07.00			-0.17
JRS	SE	96.4	AML			15:07	07.79	39	0.12	
JSA	HZ	99.2	IP		C	15:06	56.07			0.01
JSA	SZ	99.2	IP		C	15:06	56.08			0.02
JSA	HE	99.2	ES			15:07	07.84			-0.08
JSA	SZ	99.2	ES			15:07	08.07			0.15
JSA	HN	99.2	AML			15:07	09.63	31	0.20	
JSA	HE	99.2	AML			15:07	10.11	43	0.30	
JLP	SZ	102.0	IP		C	15:06	56.48			-0.06
JLP	SZ	102.0	ES			15:07	08.84			0.09
JVM	SZ	103.0	EP			15:06	56.66			-0.04

December 22 2007 Time: 05:51 48.1 UTC Magnitude: 1.1 ML
Lat: 54.895N Lon: -2.637W Depth: 5.8 km
Grid Ref: 359.15 kmE 555.78 kmN RMS: 0.40 secs
Locality: BRAMPTON,CUMBRIA
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
XAL	SZ	27.3	IP		C	05:51	52.78			-0.59
ESK	HZ	59.3	EP			05:51	58.50			0.15
ESK	HN	59.3	ES			05:52	05.63			-0.17
ESK	HN	59.3	AML			05:52	05.87	4	0.26	
ESK	HE	59.3	AML			05:52	05.99	5	0.54	
XSO	SZ	70.9	IP		D	05:52	00.33			0.14
XSO	SZ	70.9	ES			05:52	08.69			-0.30
EBL	SZ	101.0	EP			05:52	05.33			0.48
ESY	SZ	114.0	EP			05:52	07.08			0.26
HPK	HZ	123.0	EP			05:52	08.92			0.66
HPK	HN	123.0	ES			05:52	22.80			-0.15
HPK	HN	123.0	AML			05:52	23.69	8	0.36	
HPK	HN	123.0	AML			05:52	24.13	9	0.18	
GAL1	HZ	133.0	EP			05:52	09.38			-0.32
GAL1	HE	133.0	AML			05:52	23.73	7	0.70	
GAL1	HN	133.0	ES			05:52	25.25			-0.18
GAL1	HN	133.0	AML			05:52	26.51	6	0.70	

TABLE 3

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2007

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Comp
ABA1	BACONSTHORPE	52.8884	1.1453	611.58	337.00	74	1R
AEA	EAST ANGLIA UNIV	52.6208	1.2403	619.30	307.53	45	3M
AEU	EAST ANGLIA	52.6202	1.2347	618.93	307.45	28	SMR
APAE	PACKWAY	52.3006	1.4782	637.12	272.68	58	1R
AWH	WHINBURGH	52.6297	0.9507	599.67	307.68	64	1R
AWI1	WITTON	52.8319	1.4471	632.17	331.65	46	1R
BBH	BRUNTSHEIL	55.1333	-2.9299	340.72	582.50	216	1R
BBO1	BOTHEL	54.7367	-3.2464	319.76	538.69	209	3R
BCC1	CHAPELCROSS	55.0153	-3.2201	321.99	569.66	138	1SMR
BCM	CHAPELCROSS MIC	55.0151	-3.2212	321.92	569.64	78	M
BDL	DOBCROSS HALL	54.8030	-2.9385	339.68	545.76	157	1R
BHH	HOWATS HILL	55.0931	-3.2181	322.27	578.31	216	3R
BNA	NEW ABBEY	54.9658	-3.6242	296.03	564.68	28	1R
BTA	TALKIN	54.9057	-2.6844	356.12	557.00	279	3R
BWH	WARDLAW	55.1758	-3.6549	294.62	588.09	269	1R
CBW1	BUDOCK WATER	50.1482	-5.1144	177.53	32.29	94	1R
CCA1	CARNMENELLIS	50.1866	-5.2277	169.62	36.90	210	1R
CCO1	CONSTANTINE	50.1357	-5.1957	171.66	31.14	168	1R
CDU1	DUNNERDALE	54.3362	-3.1952	322.30	494.08	355	1R
CGH1	GOONHILLY	50.0507	-5.1649	173.46	21.60	97	1R
CGW	GWEEK	50.1006	-5.2228	169.56	27.32	9	1R
CKE	KESWICK	54.5877	-3.1059	328.54	521.96	304	1R
CMA1	MANACCAN	50.0821	-5.1274	176.29	24.98	42	1R
CPZ	PENZANCE	50.1566	-5.5828	144.12	34.72	199	1R
CRQ	ROSEMANOWES	50.1672	-5.1726	173.46	34.57	156	SMR
CRQ2	ROSEMANOWES2	50.1667	-5.1687	173.74	34.51	143	3R
CSA1	ST AUSTELL	50.3527	-4.8919	194.30	54.38	112	1R
CSF	SCAFELL	54.4478	-3.2430	319.41	506.55	540	1R
CSM	SELLAFIELD MIC	54.4183	-3.4913	303.24	503.58	50	M
CST1	STITHIANS	50.1952	-5.1635	174.24	37.66	141	1R
CWF	CHARNWOOD FST	52.7385	-1.3076	446.74	315.91	203	BBR
CWS	WINDSCALE FARM						
DCO	COMBE FARM	50.3201	-3.8721	266.74	48.43	117	1R
DYA	YADSWORTHY	50.4353	-3.9310	262.88	61.34	292	3MLGBBR
EAB	ABERFOYLE	56.1887	-4.3373	254.97	702.02	279	1R
EAU	AUCHINOON	55.8454	-3.4474	309.38	662.30	359	1R
EBH	BLACK HILL	56.2476	-3.5084	306.54	707.13	375	1R
EBL	BROAD LAW	55.7723	-3.0445	334.48	653.71	436	1R
ECK	CAULDKAINE HILL	55.1810	-3.1292	328.10	588.00	351	1R
EDI	EDINBURGH	55.9233	-3.1875	325.80	670.66	125	BBR
EDR	DRUMTOCHTY	56.9190	-2.5393	367.17	780.97	401	1R
EDU	DUNDEE	56.5477	-3.0110	337.85	739.97	421	1R
ELO	LOGIEALMOND	56.4703	-3.7112	294.59	732.21	523	1R
ESK	ESKDALEMUIR	55.3165	-3.2052	323.52	603.16	261	3MLGBBR
ESY	STONEYPATH	55.9175	-2.6141	361.62	669.55	337	1R
FHV	HALDARSVIK	62.2597	-7.0984			380	1R
FSD	SUDUROY	61.5701	-6.7884			480	1R
FSV	SVINOY	62.2598	-6.3550			430	1R
FTO	TORSHAVN	62.0199	-6.8274			325	3R
FVA	VAGAR	62.0575	-7.3520			430	1R
GAL1	GALLOWAY	54.8664	-4.7114	226.02	555.78	117	3MLGBBR
GCD	CASTLE DOUGLAS	54.8630	-3.9403	275.48	553.76	184	1R
GCL	CUSHENDALL	55.0783	-6.1264	136.66	583.77	278	1R
GIM	ISLE OF MAN (North)	54.2923	-4.4672	239.44	491.35	346	3R
GMK	MULL OF KINTYRE	55.3458	-5.5934	172.19	611.64	164	1R
GMM	MTNS OF MOURNE	54.2377	-5.9498	142.66	489.67	155	1R
HAE	ALDERS END	52.0368	-2.5434	362.73	237.79	260	1R
HBL2	BONNYLANDS	52.0508	-3.0384	328.80	239.71	437	SMR

TABLE 3

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2007

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Comp
HCG	CRAIG GOCH	52.3231	-3.6570	287.08	270.78	533	1R
HEX	EXMOOR	51.0664	-3.8026	273.71	131.28	230	1R
HGH	GRAY HILL	51.6379	-2.8057	344.25	193.59	223	1R
HLM1	LONG MYND	52.5184	-2.8807	340.25	291.57	429	1R
HPE	PEMBROKE	51.9372	-4.7746	209.29	230.21	349	1R
HPK	HAVERAH PARK	53.9581	-1.6241	424.66	451.42	233	3BBR
HSA	SWANSEA	51.7500	-4.1532	251.38	207.94	293	1R
HTL	HARTLAND	50.9943	-4.4849	225.64	124.66	86	3MLGSMBBR
HTR	TREWERN HILL	52.0785	-3.2679	313.12	243.04	337	1R
JDC	DAM (CREST)	49.1947	-2.0469			39	SMR
JDG	DAM (GALLERY)	49.1947	-2.0469			7	SMR
JLP	LES PLATONS	49.2486	-2.1039			129	1R
JQE	QUEENS EAST	49.2000	-2.0383			58	1R
JRS	MAISON ST LOUIS	49.1922	-2.0922			56	3LGR
JSA	ST AUBINS	49.1878	-2.1717			39	1BBR
JVM	VALLE D.L.MARE	49.2169	-2.2067			64	1R
KAC	ACHNASHELLACH	57.4989	-5.2988	202.36	850.19	206	1R
KAR1	ARISAIG	56.9188	-5.8290	166.98	787.34	186	1R
KBI1	BIRLEY GRANGE	53.2543	-1.5279	431.49	373.17	272	1R
KEY1	KEYWORTH	52.8779	-1.0757	462.20	331.59	59	LGR
KEY2	KEYWORTH	52.8790	-1.0770	462.13	331.73	76	SMR
KNR1	NEVIS RANGE	56.8219	-4.9714	218.68	773.97	1147	1R
KPL	PLOCKTON	57.3391	-5.6527	180.21	833.50	13	3LGSMBBR
KSB	SHIEL BRIDGE	57.2099	-5.4214	193.40	818.40	417	1R
KSK	SCOVAL	57.4659	-6.7002	118.21	851.46	265	1R
KSY	SYSTON	52.9642	-0.5872	494.88	341.73	121	1R
KTG1	TILBROOK GRNGE	52.3264	-0.4019	508.90	271.06	83	1R
KUF	UFFORD	52.6170	-0.3907	508.94	303.39	38	1R
KWE	WEAVER FARM	53.0164	-1.8412	410.65	346.61	328	1R
LCP	CASSOP	54.7370	-1.4744	433.84	538.14	185	1R
LDU	LEEDS	53.8058	-1.5540	429.37	434.51	74	MLGSMR
LHO	HOLMEFIRTH	53.5453	-1.8548	409.62	405.44	462	1R
LMI	MILLOM	54.2206	-3.3070	314.79	481.35	129	3R
LMK	MARKET RASEN	53.4569	-0.3260	511.14	396.90	146	1R
LRN	RICHMOND	54.4165	-1.8007	412.93	502.37	313	1R
LRW	LERWICK	60.1360	-1.1779	445.66	1139.27	98	3MLGBBR
LRWS	LERWICK	60.1397	-1.1831	445.37	1139.67	80	SMR
LWH	WHINNY NAB	54.3338	-0.6717	486.36	493.97	277	1R
MCD	COLEBURN DISTIL	57.5828	-3.2541	325.02	855.42	293	3MLGSMR
MCH1	MICHAELCHURCH	51.9974	-2.9983	331.47	233.74	219	SMBBR
MDO	DOCHFOUR	57.4409	-4.3633	258.17	841.39	415	1R
MFI	FISHRIE	57.6119	-2.2956	382.34	858.00	232	1R
MLA1	LATHERON	58.3055	-3.3627	320.15	935.98	188	1R
MME1	MEIKLE CAIRN	57.3149	-2.9647	341.90	825.32	475	1R
MVH1	ACHVAICH	57.9250	-4.1825	270.75	894.90	185	1R
OBR	BRABSTER	58.6142	-3.1626	332.47	970.13	89	1R
ODR	DOUNREAY	58.5822	-3.7256	299.68	967.27	100	SM
OHO	HOY	58.8322	-3.2465	328.05	994.48	172	1R
ORE	REAY	58.5480	-3.7622	297.45	963.52	100	3MLGR
OST	STRONSAY	59.0860	-2.5516	368.39	1022.20	21	1R
OTO	TONGUE	58.4953	-4.3939	260.49	958.79	338	1R
OWE	WESTRAY	59.3180	-3.0289	341.44	1048.36	87	1R
PCA1	CARROT	55.7007	-4.2550	258.30	647.55	302	1R
PCO1	CORRIE	55.9880	-4.1002	269.00	679.21	267	1R
PGB1	GLENIFFERBRAES	55.8115	-4.4837	244.38	660.37	199	3BBR
PMS1	MUIRSHIEL	55.8459	-4.7452	228.15	664.82	351	1R
POB1	OBSERVATORY	55.8458	-44299	247.88	664.06	34	MLGR
RCR	CAPE WRATH	58.6245	-4.9987	225.90	974.58	100	1R
REB	EISG-BRACHAIDH	58.1194	-5.2802	206.82	919.16	100	1R

TABLE 3

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2007

Code	Name	Lat	Lon	KmE (km)	KmN (km)	Ht (m)	Comp
RFO	FORSNAVAL	58.2133	-7.0052	106.10	935.83	195	1R
RRH	RHENIGIDALE	57.9197	-6.6881	122.43	901.86	103	1R
RRR	RUBHA REIDH	57.8577	-5.8067	174.19	891.68	61	3MLGSMR
RSC	SCOURIE	58.3485	-5.1683	214.61	944.33	60	1R
RTO	TOLSTA	58.3778	-6.2092	153.95	950.93	74	1R
SAN1	SANDWICK	60.0179	-1.2392	442.41	1126.08	150	1R
SBD1	BRYN DU	52.9055	-3.2585	315.37	335.01	489	1R
SFH	HASELMERE	51.0604	-0.6912	491.71	129.88	260	1R
SIW	ISLE OF WHITE	50.6711	-1.3747	444.18	85.97	162	1R
SKP1	KOPHILL	51.7218	-0.8096	482.22	203.29	212	1R
SMD	MENDIPS	51.3083	-2.7170	350.03	156.88	310	1R
SOFL	SORNFELLI	62.0689	-6.9658			721	BBR
SSP1	STONEY POUND	52.4177	-3.1119	324.39	280.59	428	3R
SSW	STOW-ON-WOLD	51.9667	-1.8499	410.31	229.86	291	1R
STNC	STOKE	53.0913	-2.2062	354.95	386.19	234	BBR
SWK	WARMINSTER	51.1483	-2.2471	382.72	138.87	266	1R
SWN1	SWINDON	51.5137	-1.8007	413.83	179.49	192	3MLGSMBBR
TBW	BRENTWOOD	51.6549	0.2913	558.48	197.66	89	1R
TCR	COLCHESTER	51.8347	0.9212	601.24	219.20	45	1R
TEB	EASTBOURNE	50.8187	0.1457	551.13	104.39	68	1R
TFO1	FOLKESTONE	51.1135	1.1409	619.81	139.66	202	3MLGSMR
TSA1	SEVENOAKS	51.2426	0.1561	550.48	151.53	177	1R
WAL1	WALLS	60.2564	-1.6173	421.18	1152.46	167	1R
WCB1	CHURCH BAY	53.3782	-4.5467	230.62	389.87	139	3MSMR
WFB	FAIRBOURNE	52.6831	-4.0383	262.23	311.48	316	1R
WIM	ISLE OF MAN(South)	54.1475	-4.6738	225.39	475.73	386	1R
WLF1	LLYNFAES	53.2894	-4.3966	240.27	379.65	58	1BBR
WME	MYNDD EILIAN	53.3969	-4.3032	246.88	391.40	129	1R
WPM1	PENMAENMAWR	53.2581	-3.9048	272.95	375.18	353	1R
XAL	ALLENDALE	54.8617	-2.2147	386.22	551.91	458	1R
XDE	DENT	54.5056	-3.4902	303.52	513.29	301	1R
XSO	SOURHOPE	55.4924	-2.2510	384.14	622.10	516	1R
YEL1	YELL	60.5509	-1.0830	450.29	1185.55	203	1R
YLL	LLANBERIS	53.1402	-4.1704	254.84	362.57	159	1R
YRC	RHOSCOLYN	53.2508	-4.5753	228.21	375.77	22	1R
YRE	YR EIFL	52.9811	-4.4254	237.19	345.43	193	1R
YRH	RHIW	52.8336	-4.6288	222.94	329.51	286	1R

Component Codes:

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

TABLE 4

Depth / crustal velocity models used in earthquake locations

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

Appendix 1 Key to Bulletin Encoding

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

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

No	Total number of P and S readings used in the event location.
Gap	Largest azimuthal separation in degrees between stations.
RMS	Root Mean Square of the travel time residuals in seconds.
ERH	Standard error of the epicentre in kilometres. When this column is blank, the error is large and indeterminate.
ERZ	Standard error of the focal depth in kilometres. When this column is blank, the error is large and indeterminate.

Locality abbreviations

Sonic	Sonic boom	S'Clyde	Strathclyde
Expl	Explosion	Notts	Nottinghamshire
D & G	Dumfries and Galloway	Leics	Leicestershire
Her & Wor	Hereford & Worcester	N Wales	North Wales
S Yorkshire	South Yorkshire		

Comments abbreviations

...	and felt elsewhere
C/F	coalfield Type event

Appendix 2 Key to Phase Data Encoding

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

Appendix 3 The European Macroseismic Scale (EMS 98)

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

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

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

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

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

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

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

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

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

10 - **Very destructive**
Many ordinary buildings collapse.

11 - **Devastating**
Most ordinary buildings collapse.

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

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