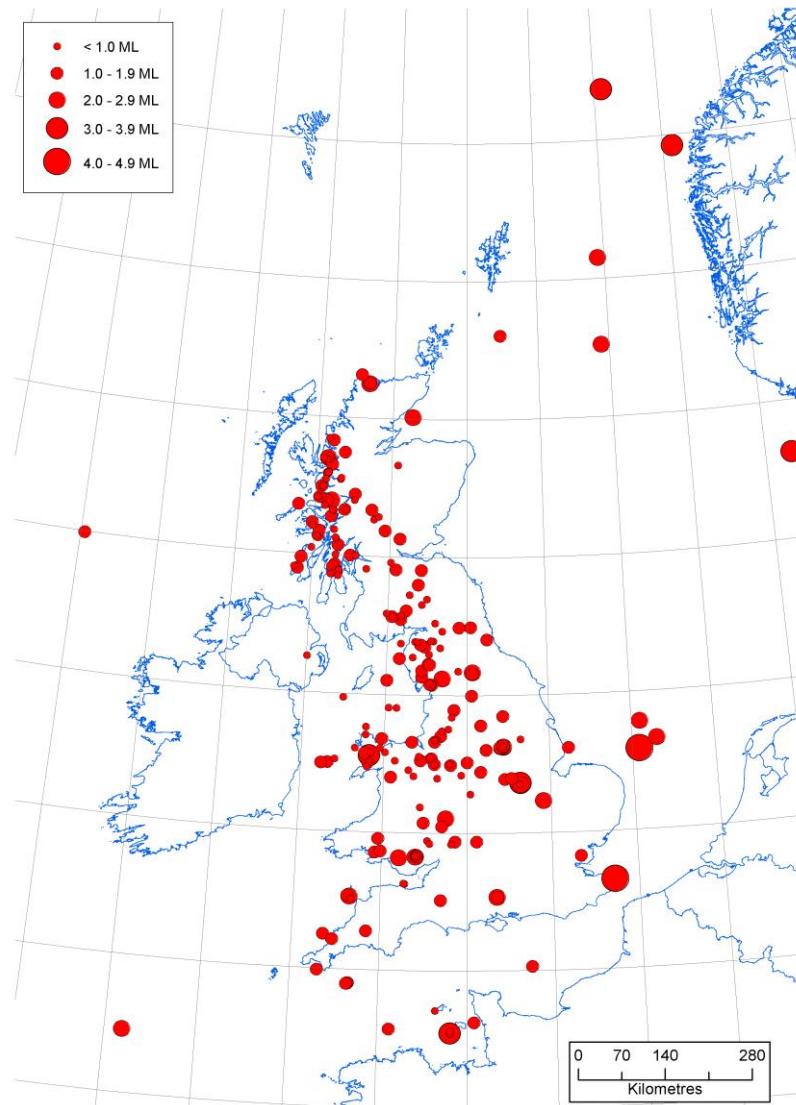


Bulletin of British Earthquakes 2015

D D Galloway (Editor)

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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 2015, listed in Tables 1 and 2. Maps showing seismic activity in 2015 (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 (11°W to 6°E and 47°N to 65°N).

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 airborne waves are readily identified by their slow travel time across an array 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 98 (80 permanent and 18 temporary) stations with broadband, short period and strong motion accelerometers. Of the permanent sites, some 44 are equipped with broadband seismometers and 30 have strong motion accelerometers, 23 of which are co-located with broadband sensors. The remaining 30 sites are equipped with short period seismometers, one of which is co-located with a strong motion accelerometer. Data from all stations are transferred in near real-time to the BGS offices in Edinburgh for automatic processing, analysis and archiving. Seismic events are detected using automatic processing algorithms, but they can also be extracted manually from the archive of continuous data, then analysed to determine event types, locations and magnitudes. Operational BGS seismograph stations are shown in Figure 2.

The detection capabilities of a network depend upon station distribution, instrument sensitivity and background noise levels. Figure 2 also shows the magnitude detection thresholds for the seismograph stations operational in December 2015. 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. Smaller events may go undetected unless they are felt and reported to BGS by local inhabitants, in which case detection can be 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 3 shows only earthquakes with magnitude 2.5 ML or greater, in the period 1979 to 2015. The data set is considered complete for these magnitudes in all localities onshore. Seismicity for the period 1970 to 2015 is shown in Figure 4 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

HYPOCENTRE 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.

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.

MAGNITUDE

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

$$ML = \log_{10} (A / A_0)$$

Where A is the maximum deflection (centre to peak in mm) registered on a Wood-Anderson seismograph and A_0 is that for a 'standard' magnitude zero earthquake at the same distance. The A_0 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, A_0 , 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 (I_{\max}) usually found close to the epicentre. The maximum felt intensity is quoted, where known, with reference to the European Macroseismic Scale (EMS), (Grünthal, 1998).

FOCAL MECHANISM

Earthquake focal mechanisms provide information on the fault geometry and type of faulting that caused the earthquake, and can be used to better understand tectonic processes occurring within the Earth's crust. Calculating them involves mapping directions where the initial motion of the seismic waves is up (compressional) or down (dilatational) on a spherical projection. This results in distinctive "beach-ball" diagrams (Figures 6, 12 and 15) that show two shaded quadrants and two white quadrants that represent upward and downward initial motions. The dividing lines between the quadrants on the "beach-ball" define the orientation of the fault planes and the directions of slip. It is not possible to determine which of the two possible fault planes shown in the mechanism is the actual fault, so *a priori* information such as aftershock distribution are sometimes used to determine the causative fault. The strike and dip describe the orientation of the fault, and the rake describes the direction of slip (-90° for thrust or reverse faulting, 90° for normal faulting and 0° or 180° for strike-slip). The axes of maximum and minimum compression are denoted by black and white squares, respectively. The grid search method of Snoke *et al.* (1984) is used to determine the best-fitting fault plane solutions.

4 Summary of 2015 Seismicity

There were 263 earthquakes located by the BGS seismic monitoring network during the year, with 31 having magnitudes of 2.0 ML or greater, nine having magnitudes of 3.0 ML or greater and three having magnitudes of 4.0 ML or greater. Some fifteen events with a magnitude of 2.0 ML or greater were reported felt, together with a further sixteen smaller ones, bringing the total to 31 felt earthquakes in 2015.

The largest earthquake of the year, with a magnitude of 4.2 ML and a focal depth of around 9 km, occurred on 22 May at 01:52 UTC and located approximately 3 km offshore the seaside town of Ramsgate, Kent. (Figure 5). The focal mechanism obtained for this event shows oblique strike slip faulting along either a north-northeast south-southwest striking fault, dipping steeply in a westerly direction, or east-southeast west-northwest striking plane, dipping to the south (Figure 6). The latter is reasonably consistent with the observed trend of major Variscan fault structures that are observed in southern Britain. Data from some 1,900 questionnaires (Figure 7), collected online, were used to determine how widely the earthquake was felt. Analysis of these reports, received from members of the public, shows that most of them came from within a 75 km radius of the epicentre, covering most of Kent, some came from further afield in East Sussex, West Sussex, Surrey, Essex, Greater London, Hertfordshire and Norfolk and a few were received from France and Belgium. Typical reports described "the whole house was shaking for about 5 seconds, long enough for me to sit up and grab for stability", "we were woken from sleep by the windows and doors rattling and the local seagulls squawking", "the desk vibrated and the computer monitor started shaking", "bottles on our dressing table rattled", "the pictures on the wall moved and the interior walls were shaking" and "it felt and sounded like an explosion and a huge impact against the house". A maximum intensity of 5 EMS, observed in and around Ramsgate and Margate, close

to the epicentre, was assigned for this earthquake. This is the largest event to have occurred in the region since the magnitude 4.3 ML Folkestone earthquake of 28 April 2007, which was felt throughout the region with its maximum intensity of 6 EMS, observed in Folkestone. Historically, the largest events in the region, both with magnitudes of 5.8 ML, occurred in the Dover Straits, on 21 May 1382, approximately 40 km east of Ramsgate and on 6 April 1580, approximately 30 km SSE of Ramsgate.

The largest offshore earthquake of the year, with a magnitude of 4.1 ML, occurred on 6 August at 15:03 UTC and located in the Southern North Sea, approximately 63 km northeast of Cromer, Norfolk (Figure 8). It was reported felt by a few residents in Sheringham and Hickling, Norfolk who described “we felt a slight, but noticeable, vibration for a few seconds”. It was also reported felt by a few workers on a gas platform in the Shell Leman Alpha Complex, who described “we felt the platform swaying and there was an audible bang”. An intensity of 3 EMS was assigned for this event. This is the largest earthquake to have occurred in the region since the magnitude 3.8 ML Southern North Sea event on 16 May 1998. A further eleven events occurred in the North Sea and surrounding waters during the year. The largest of these, with a magnitude of 4.0 ML, occurred at 10:31 UTC on 21 December and was located in the Eastern North Sea region, approximately 550 km east of Aberdeen.

On 9 January at 01:03 UTC, an earthquake with a magnitude of 2.4 ML, occurred around 9 km SSE of Durness, Highland. The BGS received a few reports from residents of Durness and its surrounding hamlets, which described, “the whole house shook”, “the bed juddered which woke me up” and “we all thought it was thunder or some sort of explosion”, indicating an intensity of 2 EMS. This is the largest event detected in the general area since a magnitude 2.4 ML earthquake on 31 January 2013. Historically, the largest earthquakes to have occurred nearby were the magnitude 2.5 ML Thurso event on 3 July 1862 and the magnitude 3.1 ML Durness event on 26 September 1887. A further four events occurred in the Durness region during the year, with magnitudes ranging between 1.2 and 1.5 ML.

A magnitude 2.9 ML earthquake occurred at 18:30 UTC on 27 January, with a location near the city of Winchester, Hampshire (Figure 9). Data from around 420 questionnaires (Figure 10), collected online, were used to determine how widely the earthquake was felt. Analysis of these reports, received from members of the public, shows that the majority of them came from within a 10 km radius of the epicentre, covering Winchester and its surrounding hamlets. Reports received described, “felt like a rhino had run into the house”, “loud bang and big impact”, “we all thought a lorry had hit the building”, “most of the neighbours came out into the street after the tremor”, “items on the window sill rattled and banged”, “felt like the chimney had fallen in” and “felt and heard a loud bang and then the windows began to shake”. An intensity of 4 EMS was assigned for this event. This earthquake locates in the same region as the magnitude 4.7 ML Chichester earthquake of 25 October 1963, which was felt over an area of around 9,000 km², with a maximum intensity of 5 EMS. Three days later, at 16:25 UTC on 30 January, a magnitude 1.8 ML earthquake occurred in the same area. It was felt by a few people in Winchester, who described “very subtle, muffled, single thump” and “the roof creaked”, indicating an intensity of 3 EMS.

A magnitude 3.8 ML earthquake occurred at 22:25 UTC on 28 January, with a location approximately 6 km NNW of Oakham, Rutland and 11 km ESE of Melton Mowbray, Leicestershire (Figure 11). The focal mechanism obtained for this event shows strike slip faulting, with either right lateral slip on a steeply dipping fault that strikes approximately northeast-southwest, or left lateral slip on a steeply dipping fault that strikes approximately northwest-southeast (Figure 12). The felt area of this event was derived from over 2,000 reports received from an online questionnaire survey (Figure 13). Almost all the reports came from within a distance of up to 50 km from the epicentre, from Lincoln in the north to Kettering in the south, and from Uttoxeter in the west to Wisbech in the east. A number of reports were also received from locations much further afield, the extremes being from Ripon in the north (150 km from the epicentre), Luton in the south (125 km from the epicentre), Telford in the east (125 km from the

epicentre) and Aylsham in the west (125 km from the epicentre). Reports described “there was a deep rumble a slight shake and a moderate jolt”, “sound was quite loud and the rumbling continued for perhaps 10 seconds before fading away”, “our sofas juddered”, “the noise was like the spin cycle on our washing machine”, “we could see ripples in my glass of wine, a bit like in Jurassic Park when the T Rex chases the car” and “there was a very loud rumbling noise, like a large piece of concrete rolling around”, indicating an intensity of at least 4 EMS. Another two earthquakes occurred in the same area on 26 May and 22 September with magnitudes of 0.8 ML and 2.8 ML, respectively. The BGS received many reports from residents in the region who felt the magnitude 2.8 ML event. A macroseismic survey was launched on the BGS website and over 800 reports were received, with almost all of them coming from within a 20 km radius of the epicentre. Reports described, “load bang and windows rattled”, “there was a boom and a slight rumbling noise”, “whole house shook as if someone was trying to demolish it” and “thought the upstairs ceiling had collapsed”. An intensity of 3 EMS was assigned for the event. These events locate in the same region as the magnitude 3.2 ML and 3.5 ML Oakham earthquakes that occurred on 17 and 18 April 2014, respectively and approximately 15 km SSE of the magnitude 4.1 ML Melton Mowbray earthquake of 28 October 2001, which was felt over an area of 25,000 km² (Isoseismal 3).

A magnitude 2.1 ML earthquake occurred at 20:23 UTC on 15 February, with an epicentre on the Applecross peninsula, Highland. A single report was received for this event from Lochcarron, which described “a moderate rumbling and a faint sound”, indicating an intensity of 2 EMS.

On 25 February at 10:41 UTC, an earthquake with a magnitude of 2.0 ML, occurred near Blaengarw, Bridgend, Mid Glamorgan. The BGS received several reports from residents of Pontycymer and Maesteg which described, “thought it was our neighbours door slamming”, “there was a loud rumbling noise” and “we all felt the floor move”, indicating an intensity of 3 EMS.

A magnitude 2.9 ML earthquake occurred at 22:55 UTC on 25 February, with an offshore location approximately 15 km southwest of Jersey, Channel Islands. The BGS received around 280 reports, from residents on Jersey and Guernsey that typically described, “it sounded like low flying aircraft or thunder”, “there was a growing rumbling noise then the house started shaking”, “like someone pushed the bed one way then the other”, “the wine glasses on the shelf started rattling” and “it was very unsettling and frightening for a few seconds”, indicating an intensity of at least 3 EMS. It locates approximately 7 km SSE of the magnitude 4.3 ML earthquake on 11 July 2014, which was felt throughout the Channel Islands and was also felt in Devon, Dorset and in France, with a maximum intensity of 4 EMS. Historically, the largest earthquakes to have occurred in the region were the magnitude 3.5 ML St Aubins Bay earthquake on 30 April 1990 and the magnitude 5.2 ML Normandy earthquake on 12 April 1933. A further four events occurred in the region during the year, with magnitudes ranging between 0.6 ML and 1.3 ML.

On 2 April at 16:50 UTC, a magnitude 2.2 ML earthquake occurred approximately 10 km north of the village of Strontian, Highland. The BGS received two reports, from residents in Scotstown and Duror, which described a “a moderate rumbling and a faint sound”, indicating an intensity of at least 3 EMS.

A magnitude 2.2 ML earthquake occurred at 06:21 UTC on 3 April, with an epicentre approximately 9 km SSE of Peterborough, Cambridgeshire. The BGS received several reports from residents in Peterborough, Leverington and Whittlesey (Cambridgeshire), Oakham, Lyddington (Rutland) and Bourne (Lincolnshire), who described “felt the rumbling vibrations through the floor”, “felt a small judder” and “it sounded like a massive lorry driving by the house at full speed” indicating and intensity of at least 3 EMS. This is an area that has experienced little seismicity in both the historical and instrumental periods, with only three events located since 1970 within a 20 km radius of this event. One of these events was the magnitude 3.3 ML Peterborough earthquake on 17 February 1992, which was felt over an area of 7,000km² and had a maximum intensity of 5 EMS, which was observed in two localities.

On 26 May at 01:03 UTC, an earthquake with a magnitude of 3.0 ML, occurred near Caernarfon, Gwynedd, North Wales (Figure 14). The focal mechanism obtained for this event shows oblique faulting on either a steeply dipping fault that strikes approximately north northwest-south southeast, or a gently dipping fault that strikes approximately southwest-northeast (Figure 15). Data from over 450 questionnaires collected online, were used to determine the felt area, with the majority of reports coming from Anglesey and a few coming from north Gwynedd, the Lleyn Peninsula and Conwy (Figure 16). Reports described “one huge jolt as if a huge lorry had hit the house”, “we thought it was a nearby explosion”, “bottles on the shelf rattled”, “windows and doors started to shake” and “loud rumble like jets flying overhead”. An intensity of 3 EMS was assigned for this event. This event locates approximately 19 km NNE of the magnitude 5.4 ML Lleyn Peninsula earthquake, on 19 July 1984, which was felt throughout England and Wales and into Scotland and Ireland, with a maximum intensity of 6 EMS. Historically, larger earthquakes have been known to occur in the area, within 20 km of Caernarfon, the largest being a magnitude 5.3 ML earthquake that occurred on 9 November 1852 and a magnitude 5.2 ML earthquake that occurred on 7 October 1690. Later in the year, at 02:00 UTC on 12 September, a magnitude 1.7 ML earthquake occurred in Caernarfon Bay, some 8 km northwest of the 26 May event. It was felt by a few residents in the villages of Rhosneigr, Tregarth, Llangefni, Brynsiencyn, Gwalchmai, Llanllechid and Waunfawr with intensities of at least 3 EMS.

A magnitude 2.6 ML earthquake occurred at 19:20 UTC on 30 May, with an epicentre approximately 2 km west of the village of Bellerby, North Yorkshire. It was reported felt by a single resident in the village, who described feeling a “slight tremor”. This is the largest event detected in the general area since the magnitude 3.6 ML Ripon earthquake on 3 January 2011, which was widely felt in the area with a maximum intensity of 5 EMS. Historically, the largest earthquakes to have occurred nearby were the magnitude 4.8 ML and the magnitude 4.4 ML Wensleydale events which occurred on 9 December 1780 and 14 January 1933, respectively and which were both reported felt over most of England.

Eleven events, with magnitudes ranging between 0.8 ML and 2.4 ML, occurred near the town of Blackwood, Caerphilly during the year. Four occurred during October and a further seven occurred during December of which only one was reported felt. It occurred at 01:03 UTC on 30 December and was felt by a single resident in Blackwood who reported “we felt a slight shaking” and “my wardrobe appeared to bang against the wall”. An intensity of 2 EMS was assigned to this event.

On 20 August at 05:25 UTC, an earthquake with a magnitude of 2.6 ML, occurred in the Celtic Sea, approximately 340 km SSW of Cork, Ireland, and 305 km WSW of Penzance, Cornwall. This is an area that has experienced very little seismicity, in both the historical and instrumental periods, with only one event, a magnitude 2.5 ML event on 30 October 1992, located within 100 km.

Between 19 and 29 November, a swarm of 22 small earthquakes were detected north of Warsop, Nottinghamshire, with magnitudes ranging between 0.8 and 2.2 ML. These events occurred at depths of between 5.3 and 7.7 km. The two largest of these events, with magnitudes of 2.1 ML and 2.2 ML, occurred on 26 and 27 November, respectively. Both were reported felt by residents in Meden Vale, Carburton and Clumber Park, indicating intensities of 2 EMS.

The coalfield area of Nottinghamshire continued to experience shallow earthquake activity that is believed to be mining induced. Two events were detected near the village of Hensall, North Yorkshire during the year, on 27 March and 9 April, with magnitudes of 1.9 ML and 1.2 ML, respectively. Local residents of Hensall reported these events to be felt.

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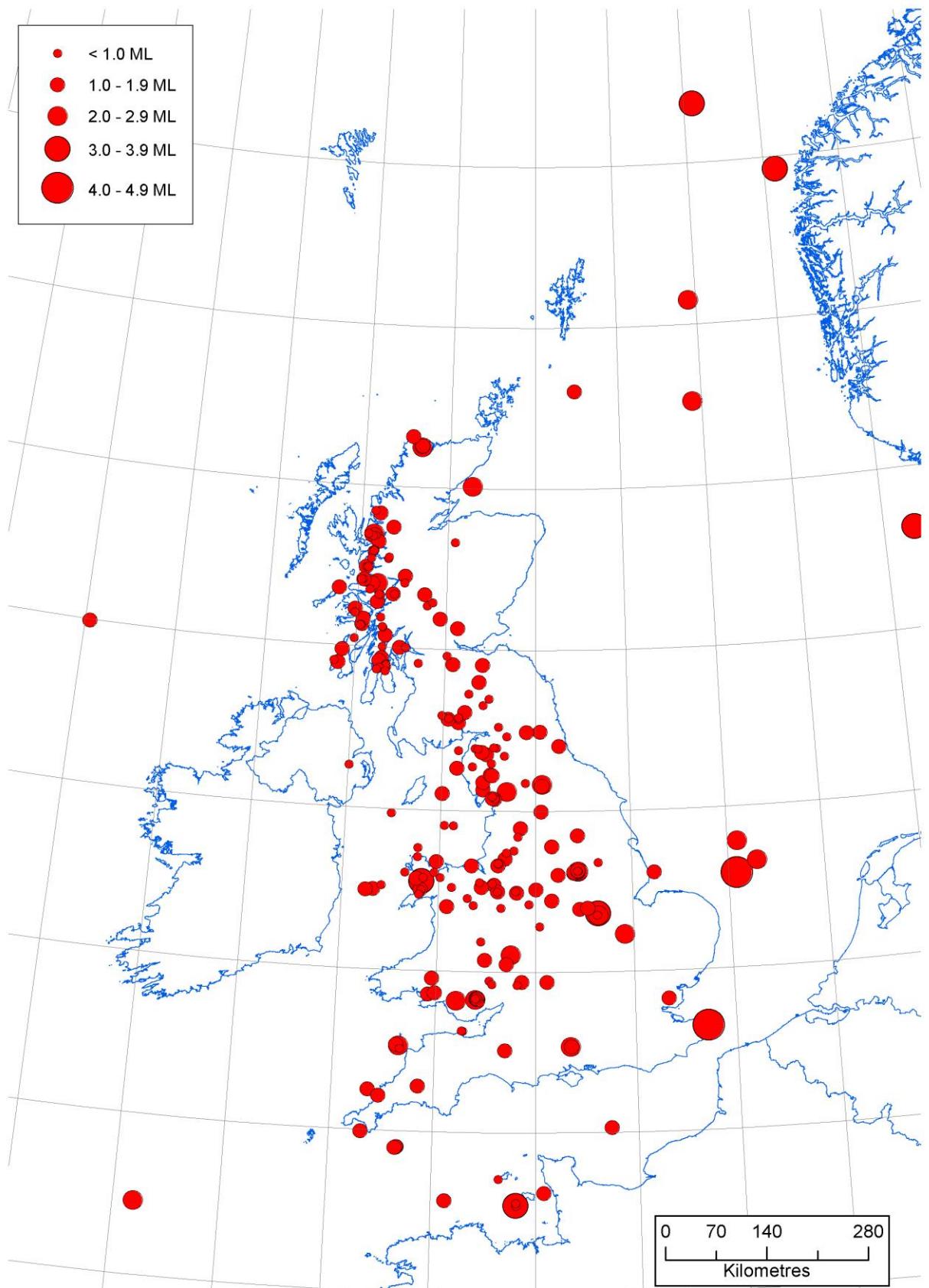


Figure 1. Epicentre map of earthquakes in 2015 as listed in Table 1.

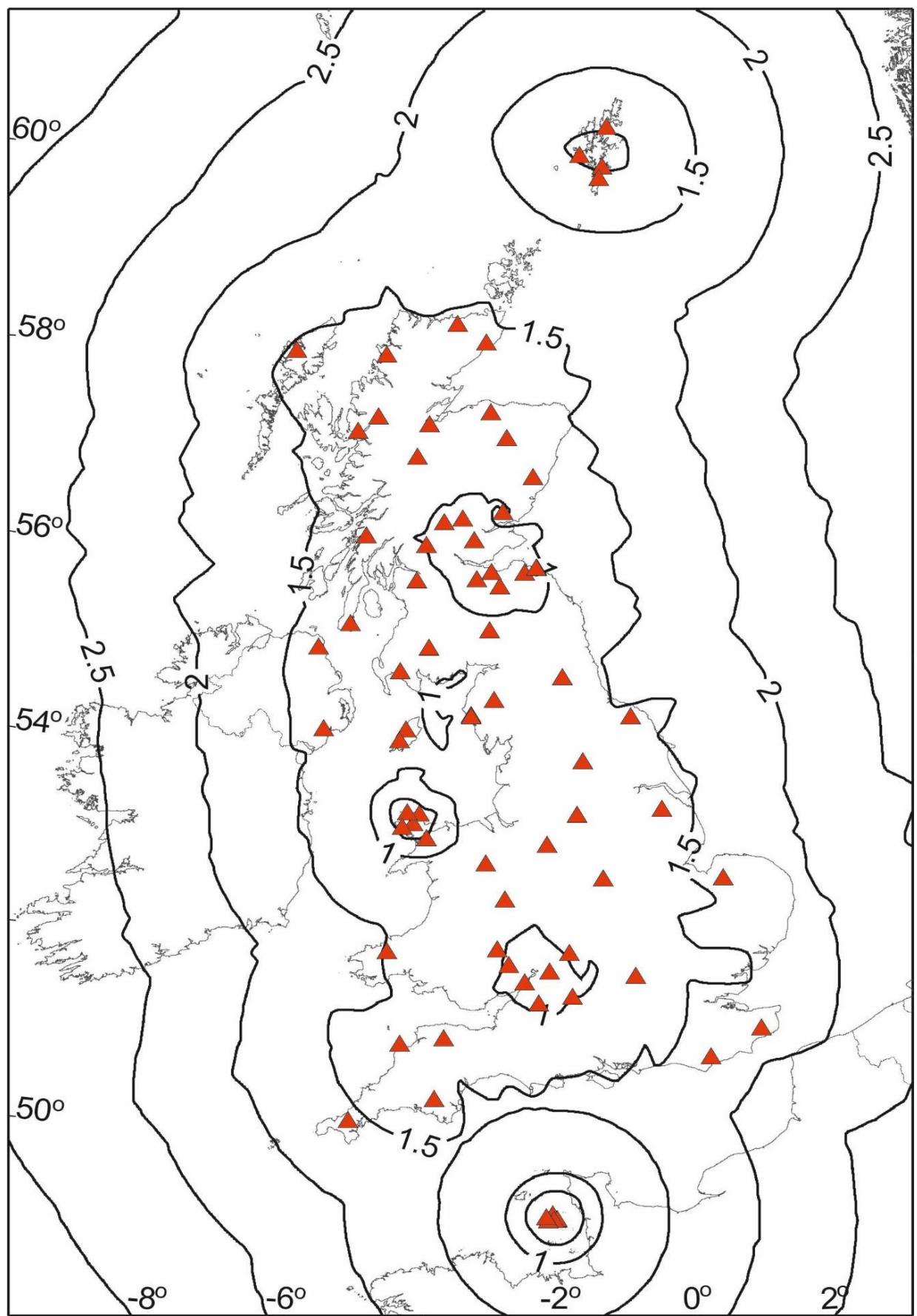


Figure 2. Seismograph stations operated by BGS during 2015 (red). The contours show earthquake detection capability in terms of Richter local magnitude (ML) calculated for average background noise conditions (4nm) where the detection criterion is that the signal has to exceed 4nm at 10Hz at 4 stations.

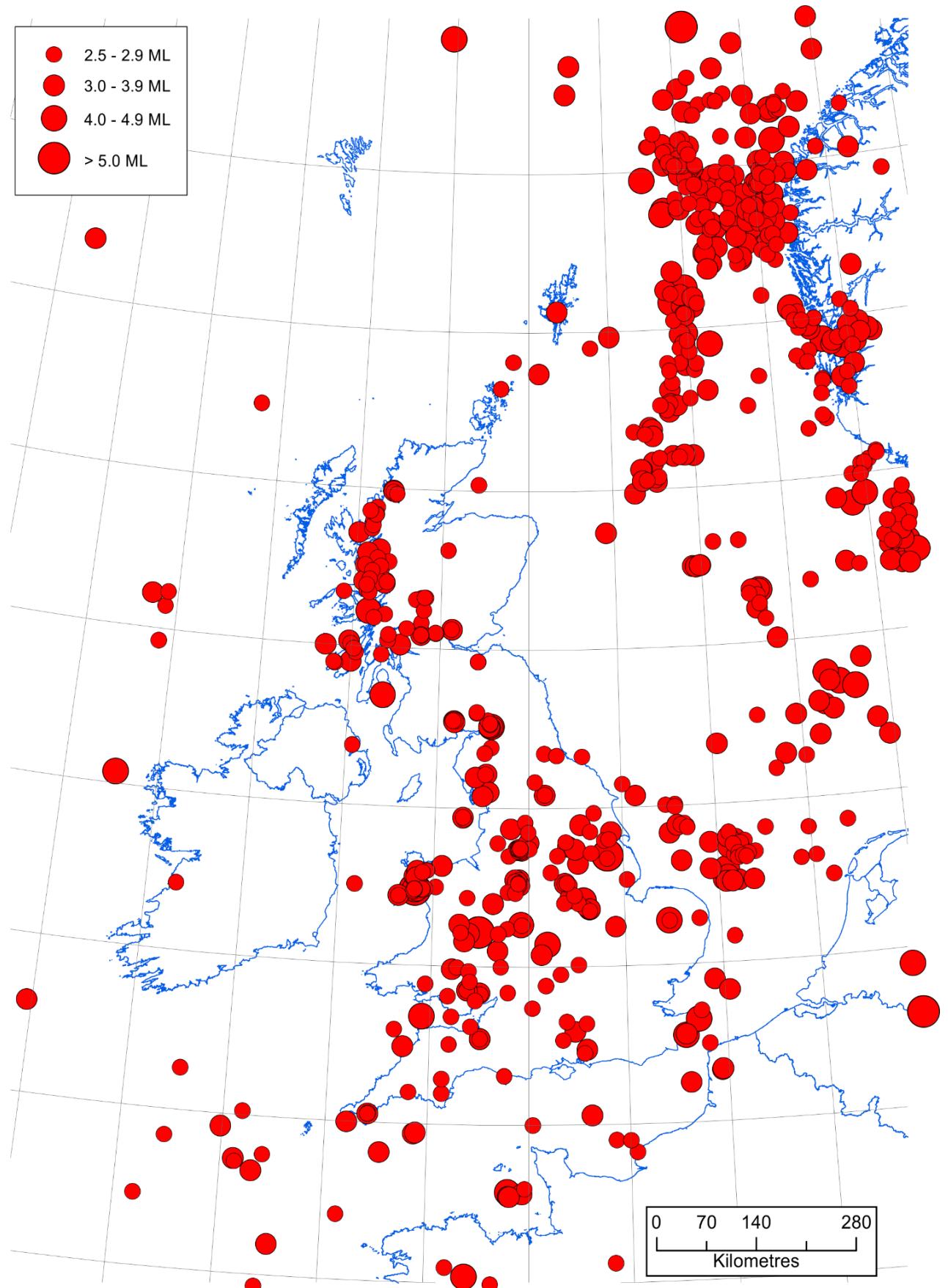


Figure 3. Epicentres of earthquakes with magnitudes of 2.5 ML and above, in the period 1979 to 2015.



Figure 4. Epicentres of earthquakes with magnitudes of 3.5 ML and above, in the period 1970 – 2015.

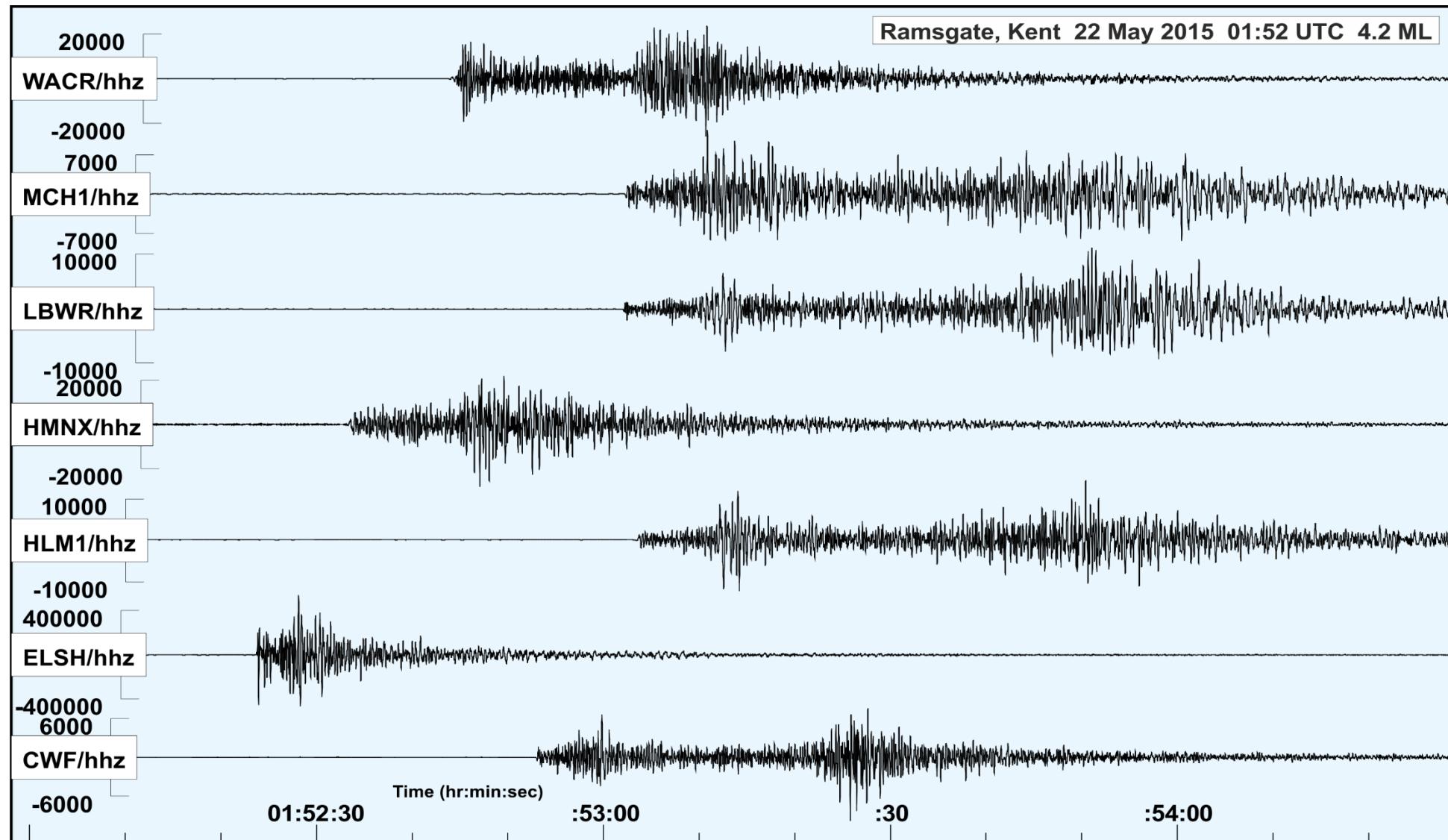


Figure 5. Seismograms of the ground displacement from the magnitude 4.2 ML Ramsgate earthquake, 22 May 2015, recorded by BGS seismograph stations.

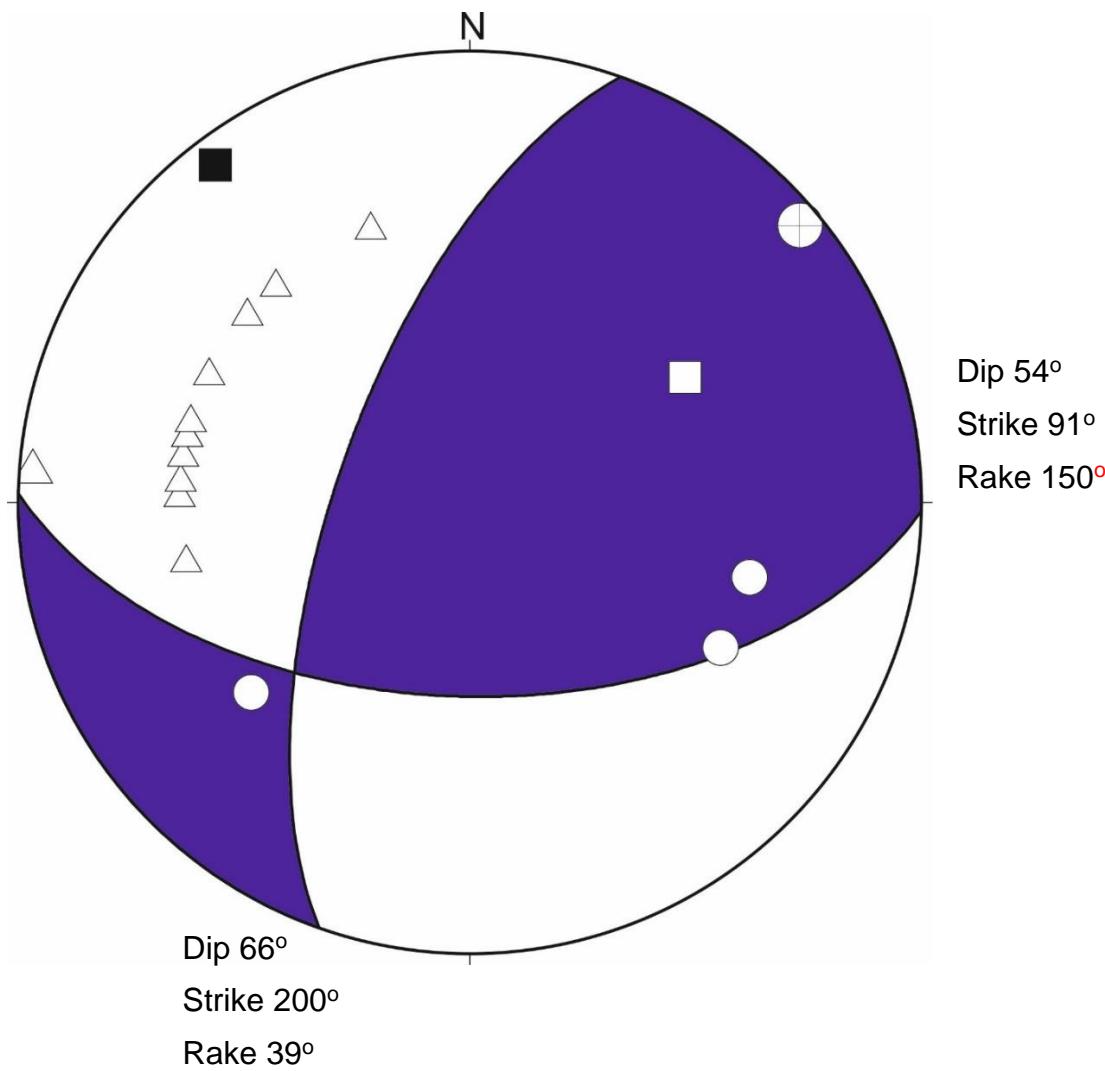


Figure 6. Lower hemisphere, equal projection of the focal mechanism for the Ramsgate earthquake on 22 May 2015. The blue shaded areas show areas of compressed first motion. The white circles and triangles show measured compressional and dilatational first motions, respectively. The black and white squares show the orientations of the axes of maximum (P) and minimum (T) compression, respectively (Snoke et al., 1984)

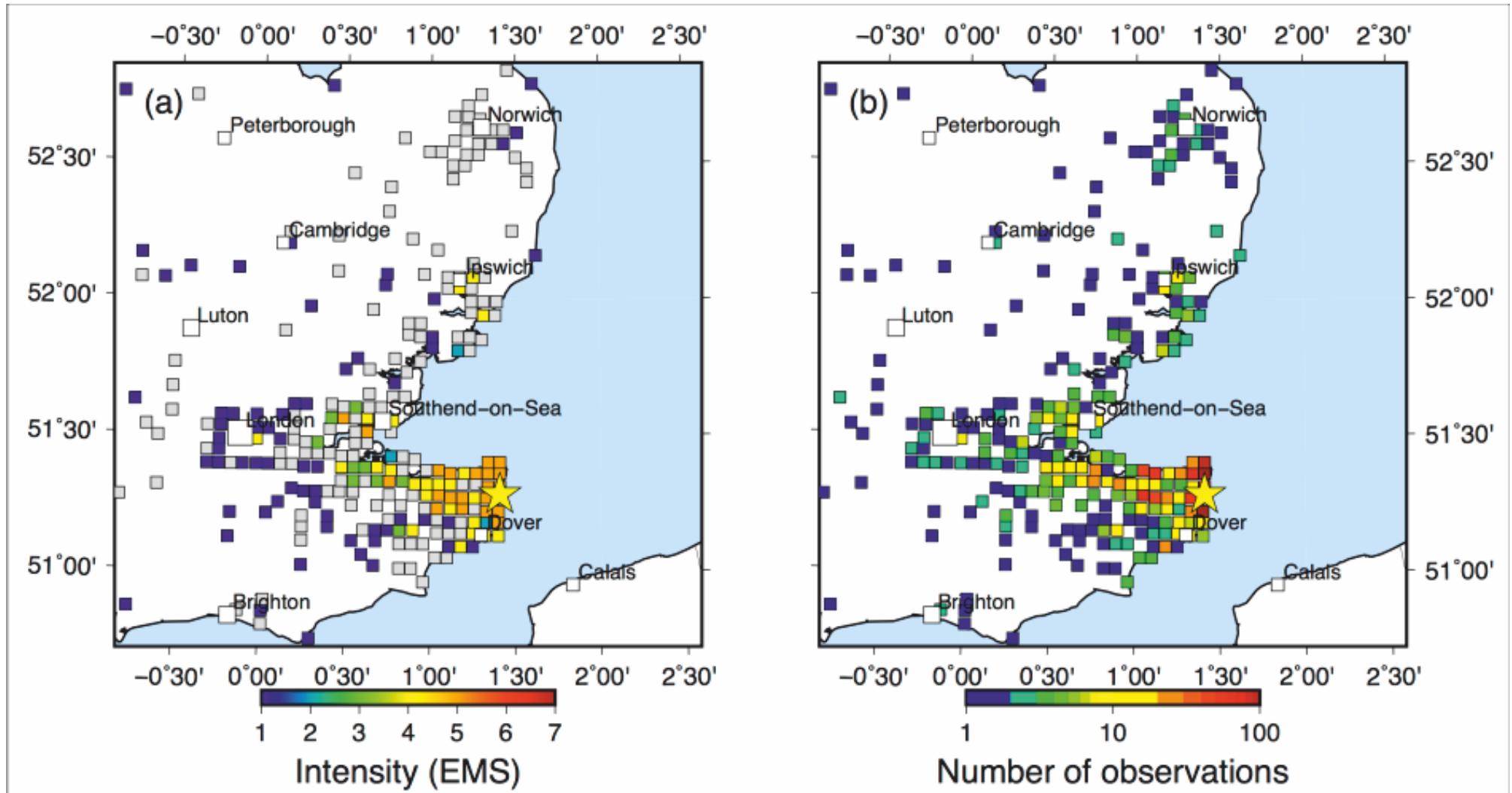


Figure 7. (a) Macroseismic intensities for the Ramsgate earthquake on 22 May 2015 calculated in 5 km grid squares. A minimum of five observations are required to calculate an intensity value. Squares are coloured by intensity. Grey squares show places where the earthquake was felt but there were fewer than five observations. (b) Number of observations in each grid square.

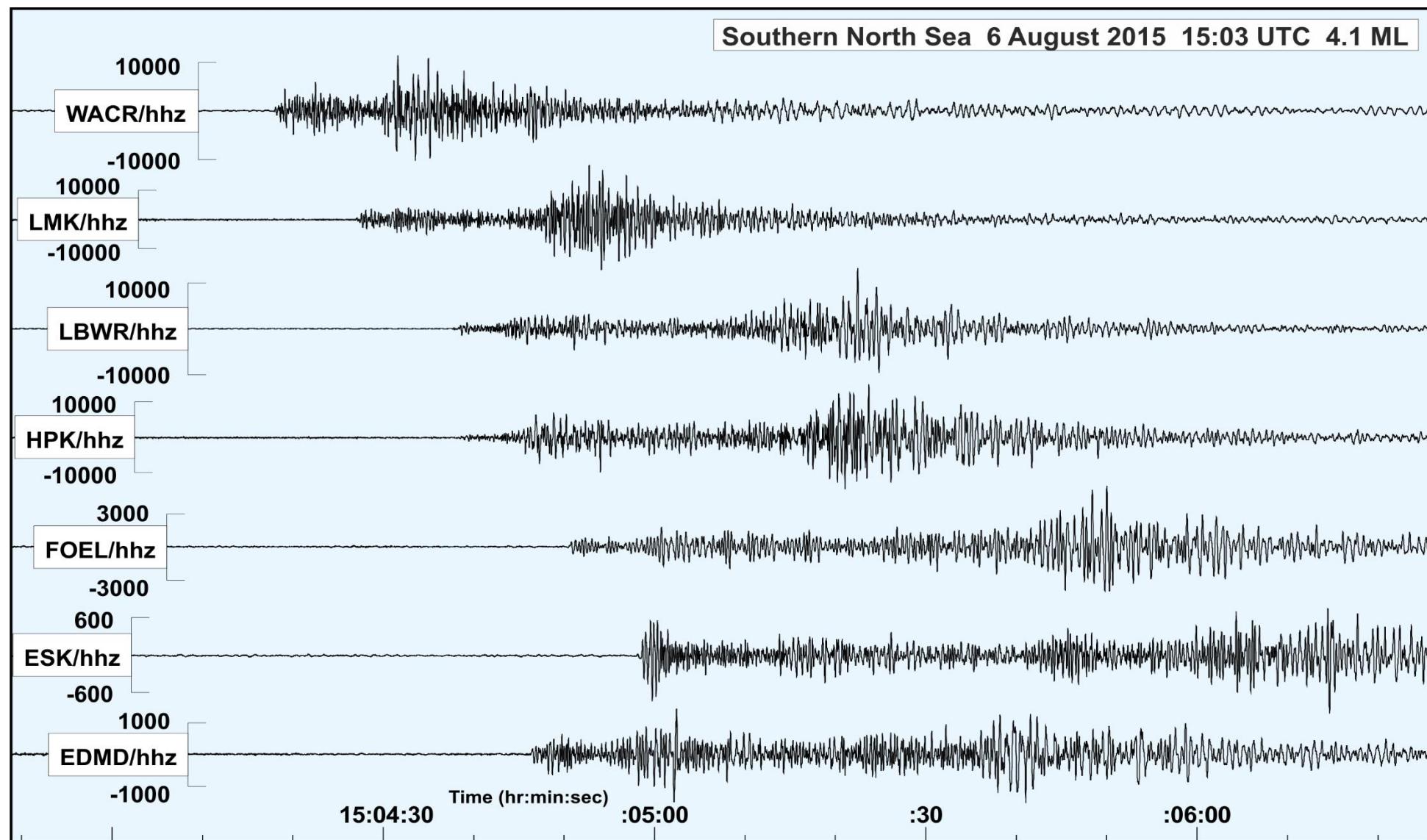


Figure 8. Seismograms of the ground displacement from the magnitude 4.1 ML Southern North Sea earthquake, 6 August 2015, recorded by BGS seismograph stations.

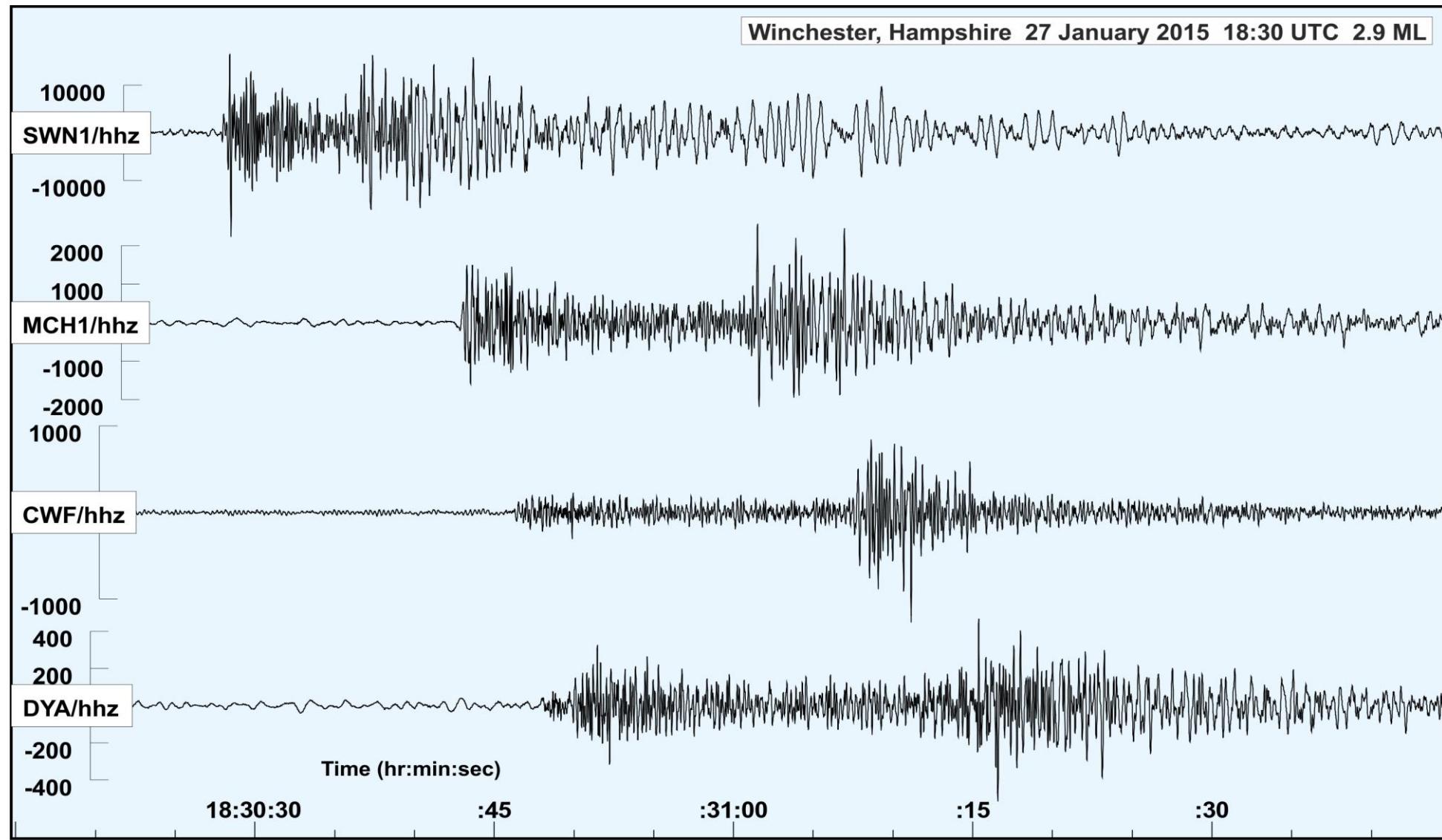


Figure 9. Seismograms of the ground displacement from the magnitude 2.9 ML Winchester earthquake, 27 January 2015, recorded by BGS seismograph stations.

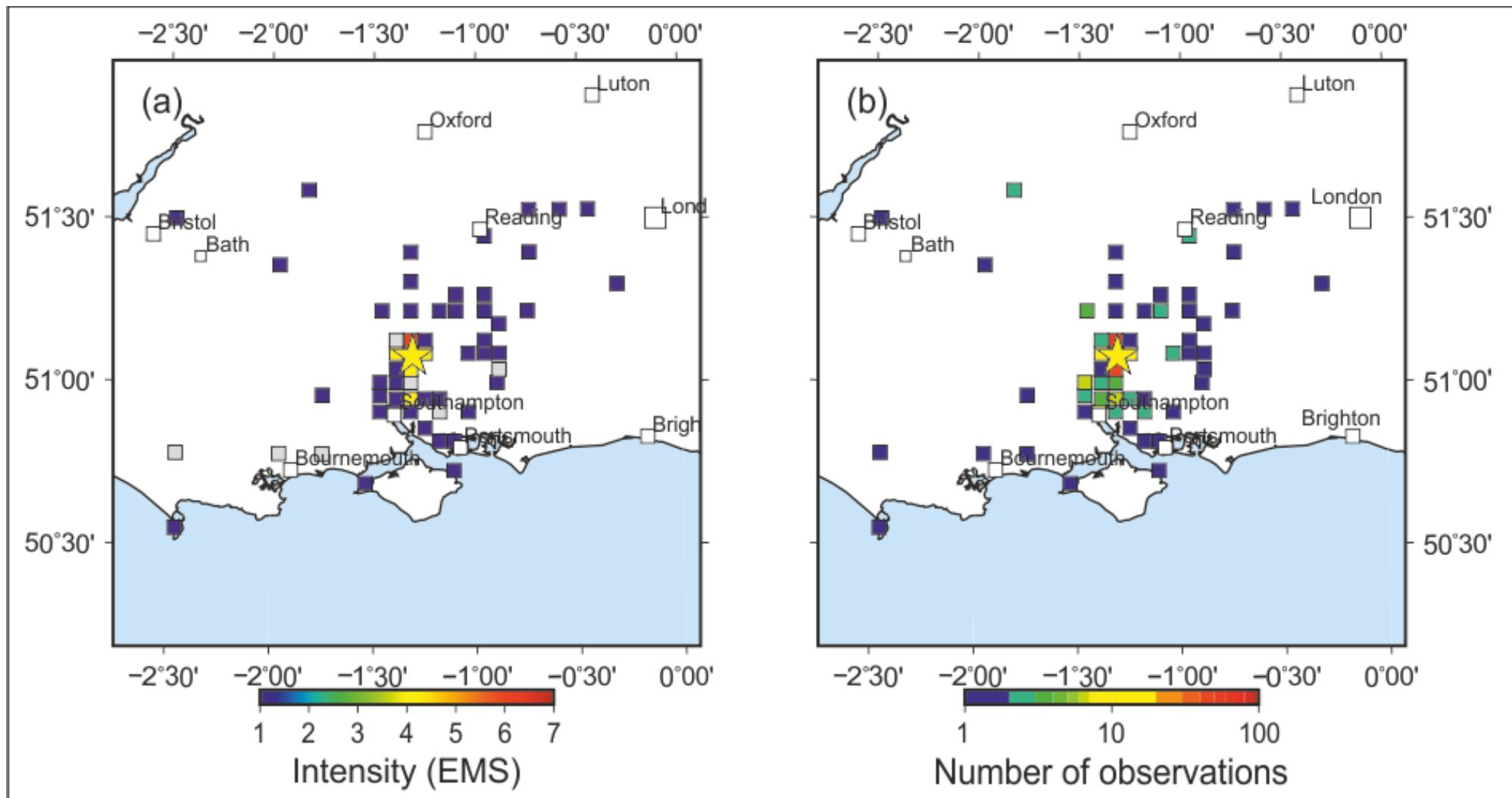


Figure 10. (a) Macroseismic intensities for the Winchester earthquake on 27 January 2015 calculated in 5 km grid squares. A minimum of five observations are required to calculate an intensity value. Squares are coloured by intensity. Grey squares show places where the earthquake was felt but there were fewer than five observations. (b) Number of observations in each grid squares

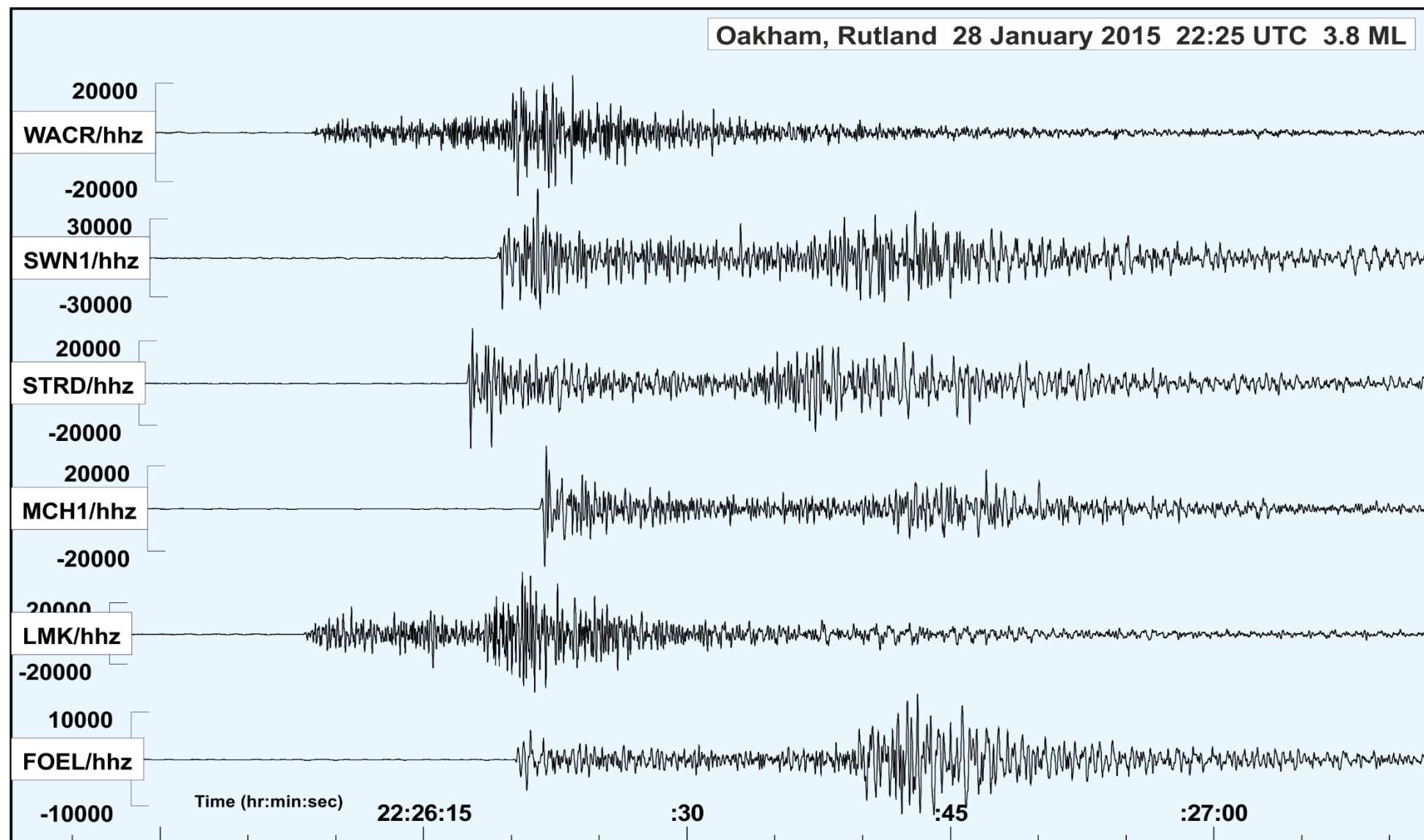


Figure 11. Seismograms of the ground displacement from the magnitude 3.8 ML Oakham earthquake, 28 January 2015, recorded by BGS seismograph stations.

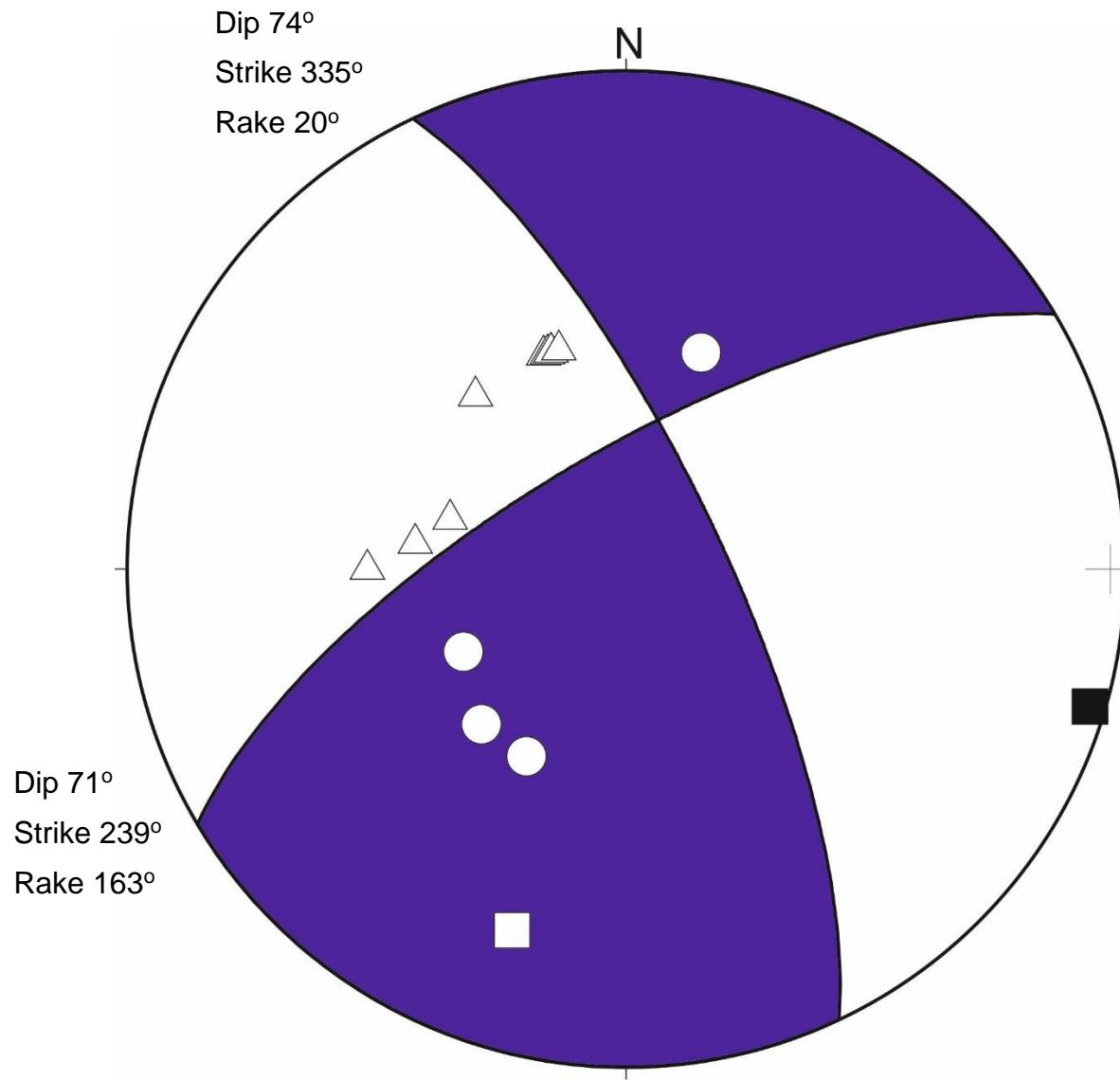


Figure 12. Lower hemisphere, equal projection of the focal mechanism for the Oakham earthquake on 28 January 2015. The blue shaded areas show areas of compressed first motion. The white circles and triangles show measured compressional and dilatational first motions, respectively. The black and white squares show the orientations of the axes of maximum (P) and minimum (T) compression, respectively (Snock et al., 1984)

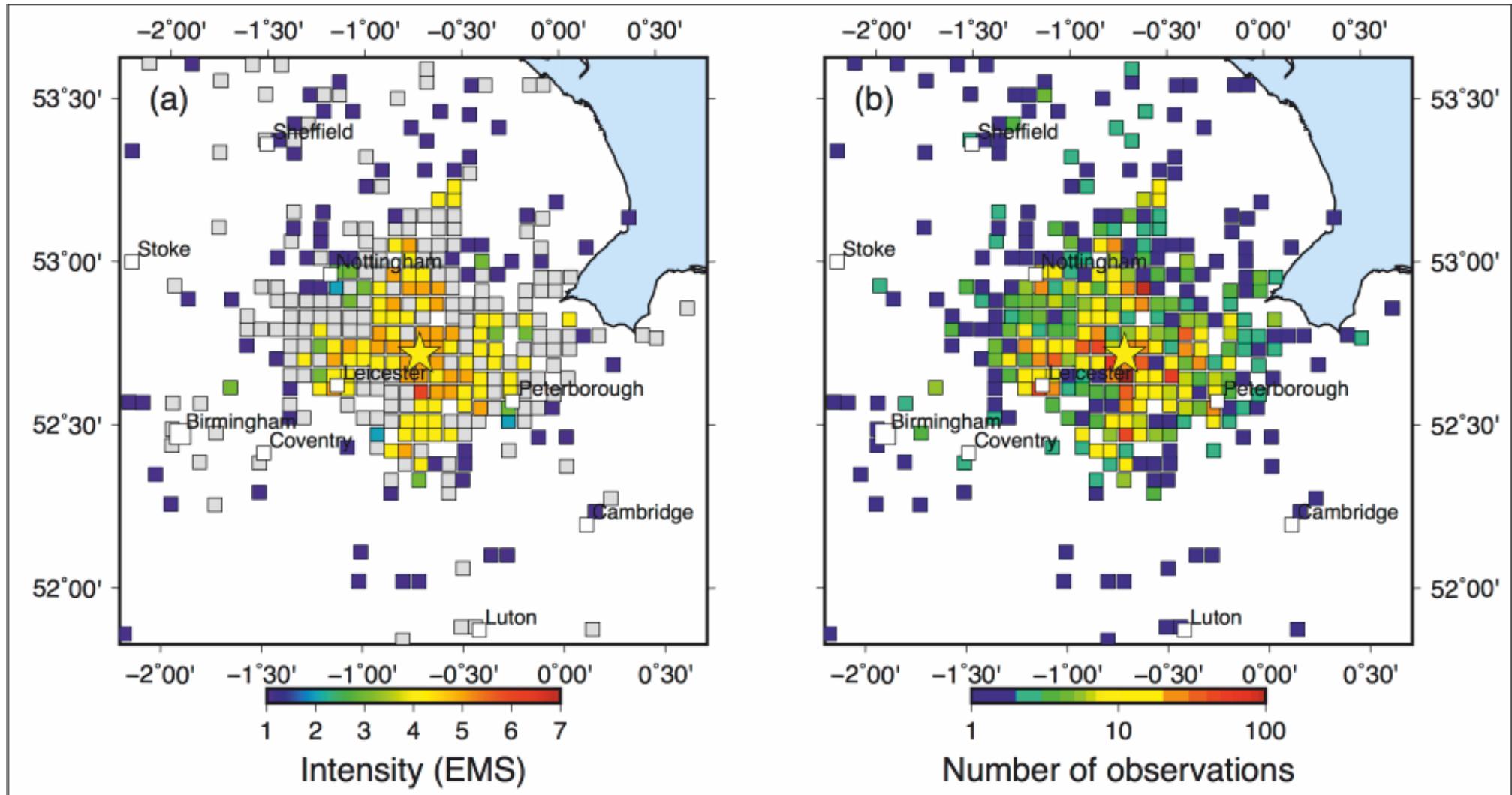


Figure 13. (a) Macroseismic intensities for the Oakham earthquake on 28 January 2015 calculated in 5 km grid squares. A minimum of five observations are required to calculate an intensity value. Squares are coloured by intensity. Grey squares show places where the earthquake was felt but there were fewer than five observations. (b) Number of observations in each grid square.

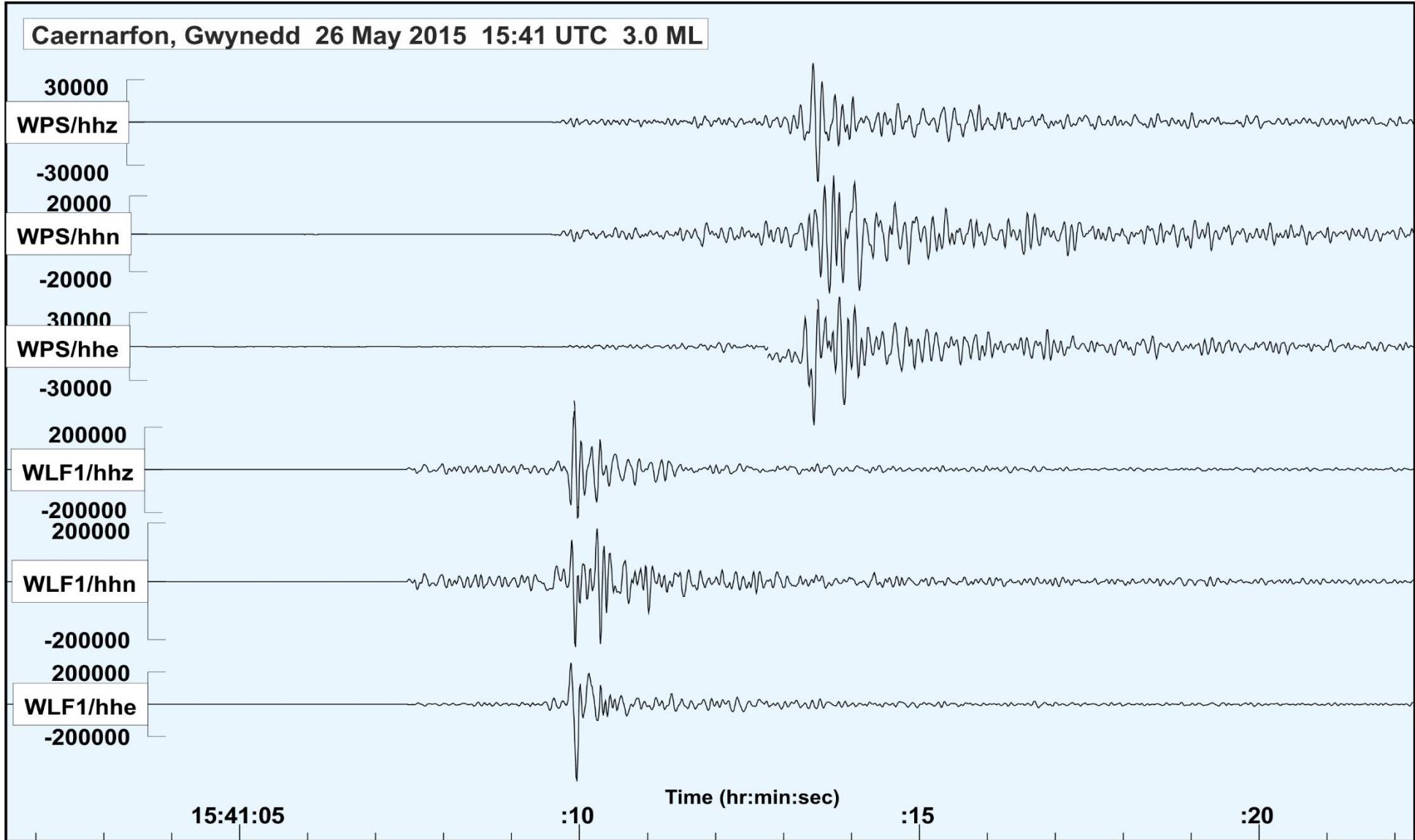


Figure 14. Seismograms of the ground displacement from the magnitude 3.0 ML Caernarfon earthquake, 26 May 2015, recorded by BGS seismograph stations.

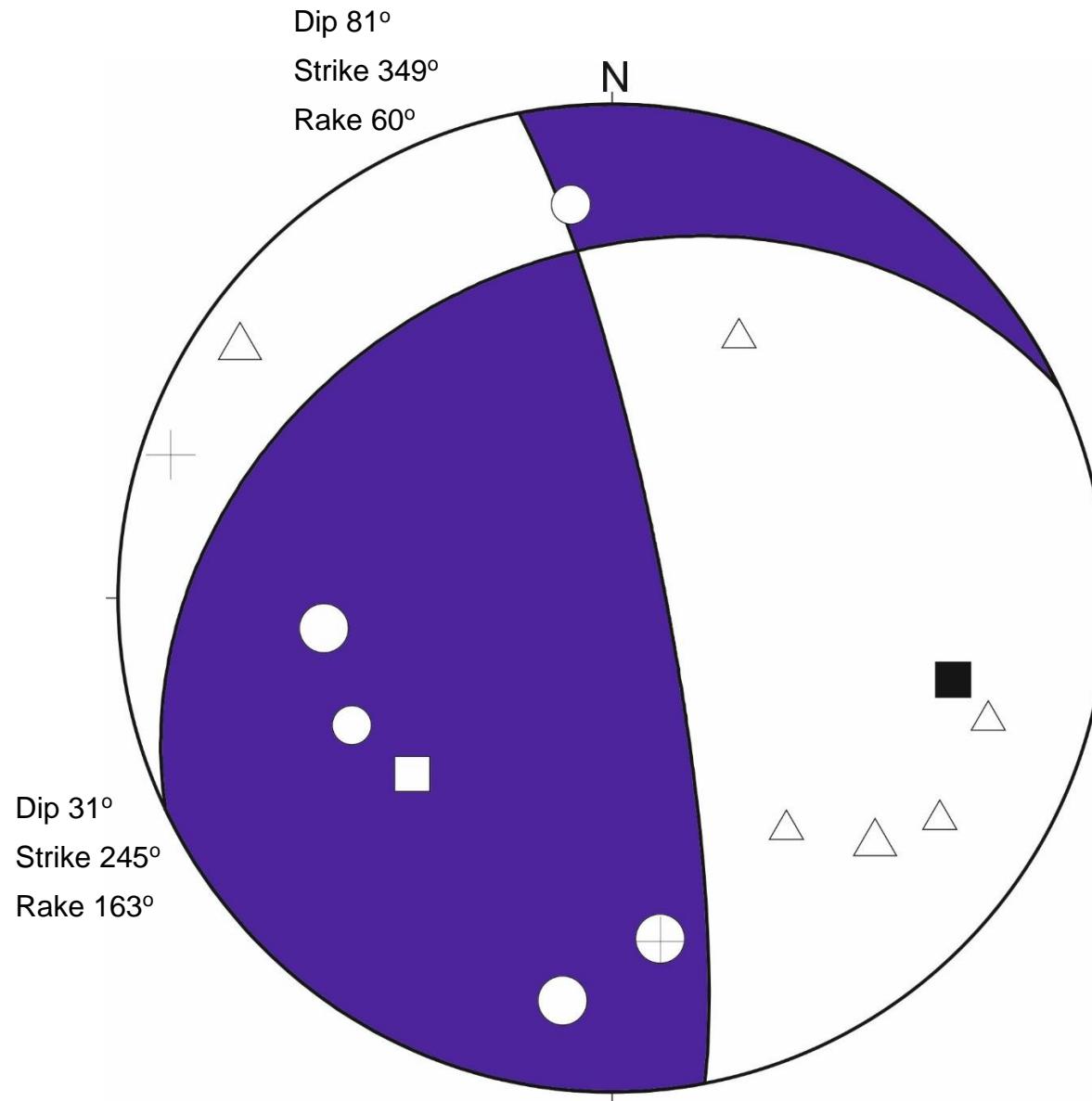


Figure 15. Lower hemisphere, equal projection of the focal mechanism for the Caernarfon earthquake on 26 May 2015. The blue shaded areas show areas of compressed first motion. The white circles and triangles show measured compressional and dilatational first motions, respectively. The black and white squares show the orientations of the axes of maximum (P) and minimum (T) compression, respectively (Snoke et al., 1984)

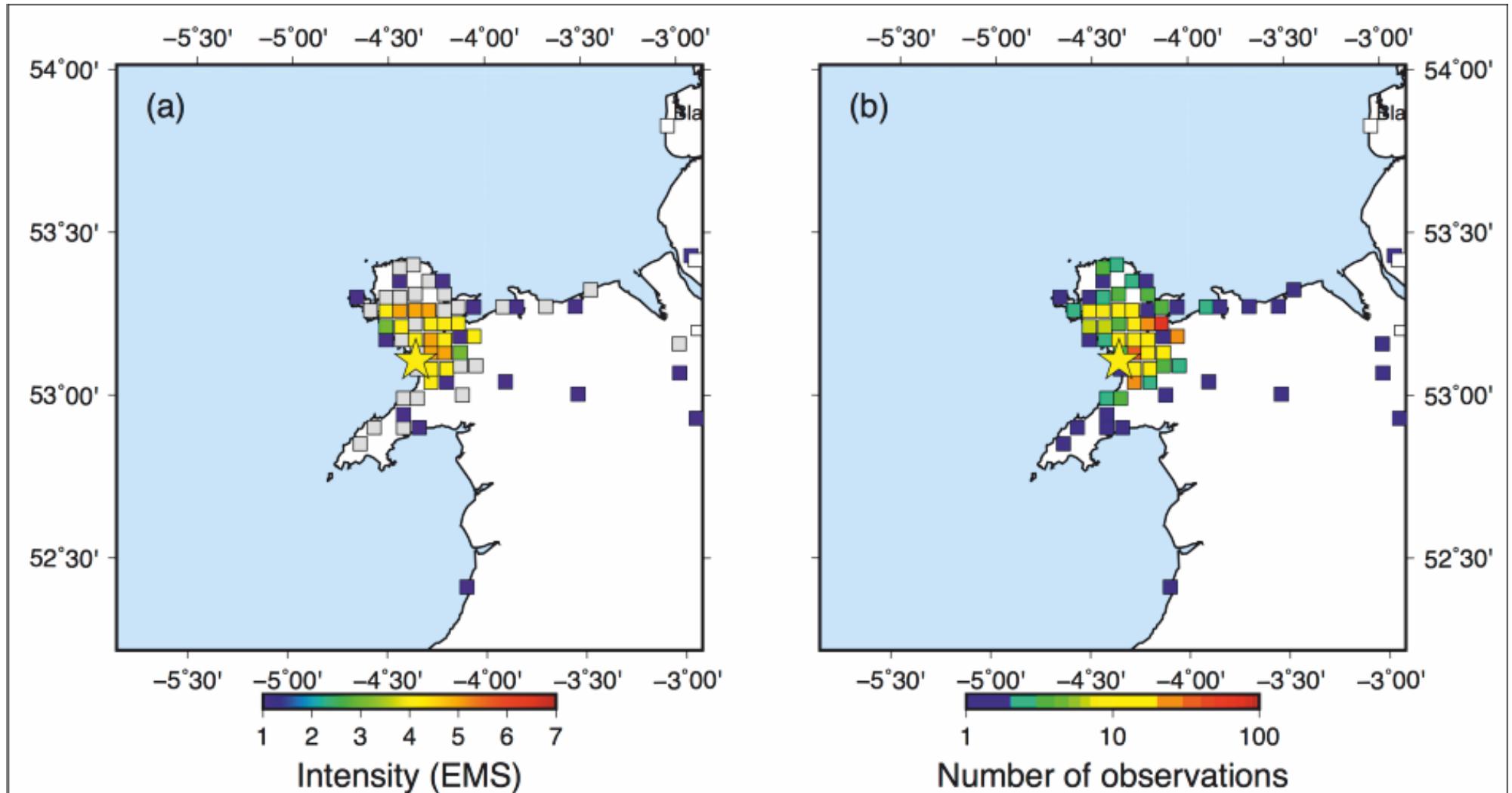


Figure 16. (a) Macroseismic intensities for the Caernarfon earthquake on 26 May 2015 calculated in 5 km grid squares. A minimum of five observations are required to calculate an intensity value. Squares are coloured by intensity. Grey squares show places where the earthquake was felt but there were fewer than five observations. (b) Number of observations in each grid square.

TABLE 1 : CATALOGUE OF EVENTS : 2015

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
2015	01	01	07	11	54.9	55.04	-2.80	348.9	572.4	5.2	0.4	BEWCASTLE, CUMBRIA		4	153	0.20	2.78	8.00	
2015	01	03	23	17	23.4	56.80	-4.96	219.3	771.9	2.4	0.6	FORT WILLIAM, HIGHLAND		4	141	0.10	2.28	1.90	
2015	01	08	20	26	58.8	58.51	-4.68	243.7	961.1	7.3	1.5	DURNESS, HIGHLAND	2	5	199	0.60	1.03	0.00	FELT DURNESS
2015	01	09	00	21	58.8	58.52	-4.67	244.4	961.7	6.8	1.4	DURNESS, HIGHLAND		4	236	0.40	5.49	0.00	
2015	01	09	01	03	21.6	58.50	-4.67	244.1	960.0	7.5	2.4	DURNESS, HIGHLAND	2	3	233	0.10	8.19	7.40	FELT DURNESS
2015	01	14	07	20	49.3	51.88	-2.27	381.2	219.7	15.4	1.8	GLOUCESTER, GLOS		9	71	0.30	2.90	3.60	
2015	01	17	22	09	08.6	51.02	-4.69	211.7	128.5	8.7	0.4	HARTLAND POINT, DEVON		4	261	0.20	4.12	2.60	
2015	01	18	15	59	53.5	53.81	-3.73	286.4	436.1	4.4	0.9	IRISH SEA		8	84	0.30	3.62	7.50	60KM SE DOUGLAS, IOM
2015	01	19	03	16	34.1	53.41	-2.63	358.3	390.0	5.0	1.3	WARRINGTON, CHESHIRE	2	8	136	0.40	3.96	0.00	FELT WARRINGTON
2015	01	20	21	50	56.3	53.34	-2.77	348.8	382.9	6.9	0.8	RUNCORN, CHESHIRE		5	101	0.30	4.43	0.00	
2015	01	20	23	16	12.0	52.56	-1.91	405.9	296.3	7.7	0.8	WALSALL, WEST MIDLANDS		5	127	0.30	5.50	9.50	
2015	01	22	00	42	20.2	49.15	-3.73	273.6	-82.3	9.4	1.4	ENGLISH CHANNEL		4	158	0.40	5.46	2.30	140KM SOUTH PLYMOUTH
2015	01	24	19	50	17.2	55.79	-6.36	127.0	663.5	7.4	1.6	ISLAY, ARGYLL & BUTE	3	7	205	0.40	9.66	2.90	FELT ISLAY
2015	01	27	18	30	17.2	51.08	-1.31	448.3	131.7	3.0	2.9	WINCHESTER, HAMPSHIRE	4	16	149	0.30	4.32	3.80	FELT WINCHESTER...
2015	01	28	06	49	31.6	54.68	-2.67	357.0	532.2	5.3	0.6	PENRITH, CUMBRIA		5	180	0.30	4.03	5.00	
2015	01	28	22	25	53.7	52.73	-0.72	486.6	315.2	3.2	3.8	OAKHAM, RUTLAND	4	29	72	0.40	3.27	0.00	FELT RUTLAND...
2015	01	30	16	25	40.8	51.07	-1.29	449.8	130.3	4.5	1.8	WINCHESTER, HAMPSHIRE	3	7	301	0.10	6.14	5.70	FELT WINCHESTER
2015	01	20	02	38	17.1	49.80	-4.68	207.0	-7.1	2.6	1.9	ENGLISH CHANNEL		5	208	0.30	7.63	3.50	45KM SSE FALMOUTH
2015	01	20	06	12	04.9	49.79	-4.70	205.7	-8.5	3.6	1.2	ENGLISH CHANNEL		4	282	0.20	3.58	0.00	45KM SSE FALMOUTH
2015	01	20	06	27	48.6	49.80	-4.68	206.9	-7.2	3.3	1.7	ENGLISH CHANNEL		4	281	0.30	9.84	7.40	45KM SSE FALMOUTH
2015	01	20	06	32	00.9	49.79	-4.72	204.4	-8.2	3.8	1.3	ENGLISH CHANNEL		4	282	0.40	7.75	0.00	45KM SSE FALMOUTH
2015	01	20	11	56	51.5	54.24	-2.61	360.3	483.2	12.2	2.0	KIRKBY LONSDALE, CUMBRIA		9	124	0.20	2.16	1.90	
2015	01	21	01	15	17.0	53.51	-2.45	370.0	401.0	8.9	0.9	LEIGH, GTR MANCHESTER		7	147	0.20	2.52	3.40	
2015	01	21	21	20	50.8	53.11	-3.15	322.7	357.5	4.2	0.2	MOLD, FLINTSHIRE		4	240	0.30	5.95	5.10	
2015	01	21	23	12	13.8	56.99	-5.84	166.4	795.1	6.6	1.1	MALLAIG, HIGHLAND	2	8	174	0.40	8.35	9.00	FELT MALLAIG
2015	01	21	21	02	27.1	54.15	-2.86	343.8	473.2	7.5	0.7	SILVERDALE, LANCASHIRE		6	90	0.20	2.30	9.40	
2015	01	21	21	14	01.8	52.99	-4.37	240.9	346.4	18.6	0.8	LLEYN PENINSULA		6	218	0.10	2.69	2.00	
2015	01	21	21	40	25.2	53.01	-4.36	241.6	348.1	20.7	0.9	LLEYN PENINSULA		7	192	0.10	3.28	2.50	
2015	01	21	20	23	27.4	57.40	-5.71	177.0	840.8	7.8	2.1	APPLECROSS, HIGHLAND	2	10	149	0.20	3.42	1.80	FELT LOCHCARRON
2015	01	21	21	03	50.9	56.71	-5.74	171.4	763.7	7.8	0.6	ACHARACLE, HIGHLAND		4	207	0.20	4.85	6.90	
2015	01	21	21	15	53.1	54.15	-2.86	343.6	472.9	8.4	1.1	SILVERDALE, LANCASHIRE		7	77	0.30	3.69	4.60	
2015	01	21	02	25	15.8	56.24	-5.43	187.7	710.4	4.9	0.5	KILMELFORD, ARGYLL/BUTE		7	155	0.40	5.50	2.40	
2015	01	21	18	04	43.4	52.78	-1.09	461.2	320.8	2.8	1.4	LOUGHBOROUGH, LEICS	2	7	121	0.40	5.48	8.80	FELT EAST GOSCOTE
2015	01	22	15	55	31.2	53.08	-2.85	342.9	353.8	8.8	1.4	FARNDON, CHESHIRE		7	72	0.20	2.95	4.00	
2015	01	22	10	41	24.9	51.64	-3.59	289.7	194.3	4.8	2.0	BLAENGARW, BRIDGEND	3	12	119	0.30	4.35	5.70	FELT PONTYCYMER...
2015	01	22	13	25	31.2	52.21	-2.50	366.0	257.4	4.0	2.1	BROMYARD, HEREFORDSHIRE		14	86	0.40	4.35	5.70	
2015	01	22	21	19	38.8	53.48	-2.61	359.7	398.2	7.7	0.6	GOLBORNE, GTR MANCHESTER		6	150	0.20	2.34	6.50	
2015	01	22	22	55	07.6	49.09	-2.38	372.3	-89.5	12.9	2.9	JERSEY, CHANNEL ISLANDS	3	18	92	0.50	7.75	6.60	FELT JERSEY/GUERNSEY
2015	01	22	23	35	17.5	49.09	-2.37	373.0	-90.3	9.2	0.7	JERSEY, CHANNEL ISLANDS		3	340	0.30	4.84	8.80	
2015	01	22	01	28	31.4	54.55	-3.35	313.0	517.6	6.0	0.8	BUTTERMERE, CUMBRIA		6	176	0.20	2.13	2.60	

TABLE 1 : CATALOGUE OF EVENTS : 2015

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
2015	02	27	15	57	48.9	55.31	-3.14	327.7	602.4	6.4	0.5	ESKDALEMUIR, D & G	4	259	0.00	2.59	0.60		
2015	02	28	02	22	47.2	49.12	-2.38	372.6	-86.7	12.4	0.6	JERSEY, CHANNEL ISLANDS	5	339	0.00	1.89	1.70		
2015	03	01	18	05	55.5	53.10	-2.89	340.1	355.9	4.7	0.5	ROSSETT, WREXHAM	6	182	0.40	5.86	7.10		
2015	03	03	06	18	16.7	58.03	-3.46	313.5	905.0	3.8	2.1	MORAY FIRTH	8	181	0.30	8.17	0.70	15KM SE HELMSDALE	
2015	03	07	01	24	48.1	56.26	-3.74	292.2	708.3	5.4	1.3	BLACKFORD, PERTH/KINROSS	2	10	89	0.30	4.03	5.30	FELT GLENDEVON
2015	03	10	17	02	08.8	55.18	-4.03	270.8	588.9	2.6	0.8	MONIAIVE, D & G	10	93	0.50	4.58	7.30		
2015	03	13	12	27	57.5	56.79	-5.68	175.0	772.4	8.7	1.4	ACHARACLE, HIGHLAND	2	5	199	0.10	4.55	6.00	FELT KINLOCHMOIDART
2015	03	13	17	03	52.7	54.98	-1.90	406.3	565.6	2.5	1.0	PRUDHOE, NORTHUMBERLAND	5	197	0.20	2.97	2.20		
2015	03	13	17	30	27.4	56.01	-5.01	212.4	683.3	8.1	1.0	DUNOON, ARGYLL & BUTE	6	105	0.30	4.03	6.10	7KM NW OF DUNOON	
2015	03	14	20	53	55.1	57.38	-5.70	177.5	838.8	3.2	1.3	PLOCKTON, HIGHLAND	5	251	0.10	3.20	1.50	5KM NNW OF PLOCKTON	
2015	03	15	00	12	04.9	57.38	-5.67	179.7	837.8	5.3	0.6	PLOCKTON, HIGHLAND	6	148	0.20	2.38	1.40	4KM NNW OF PLOCKTON	
2015	03	15	12	06	06.1	57.37	-5.72	176.3	837.6	4.4	0.5	PLOCKTON, HIGHLAND	4	171	0.20	4.88	0.00	5KM NW OF PLOCKTON	
2015	03	16	23	16	02.2	57.31	-5.59	183.9	829.6	5.4	1.0	PLOCKTON, HIGHLAND	6	139	0.40	7.95	4.50	5KM SE OF PLOCKTON	
2015	03	17	06	24	16.3	55.76	-5.28	194.2	656.3	7.7	0.6	ARRAN, NORTH AYRSHIRE	5	137	0.10	1.99	4.70	OFFSHORE LOCATION	
2015	03	18	23	43	50.8	53.41	-4.46	236.8	393.4	3.2	0.3	CEMAES, ANGLESEY	4	212	0.00	1.08	1.10		
2015	03	19	11	12	43.5	56.98	-5.84	166.6	794.7	5.8	0.8	MALLAIG, HIGHLAND	4	174	0.20	5.73	5.10		
2015	03	21	05	41	51.3	56.99	-5.80	169.0	794.9	7.5	0.5	MALLAIG, HIGHLAND	5	171	0.30	7.02	8.10		
2015	03	21	11	46	23.6	54.27	-3.11	327.5	486.1	10.4	1.9	ULVERSTON, CUMBRIA	13	83	0.30	2.52	4.00	7KM NNW ULVERSTON	
2015	03	21	17	24	16.5	56.46	-6.04	151.0	737.3	8.1	1.4	MULL, ARGYLL & BUTE	8	199	0.40	9.57	9.20		
2015	03	24	08	44	36.0	52.15	-3.02	329.9	250.2	10.1	1.1	KINTON, HEREFORDSHIRE	5	200	0.00	1.43	1.90		
2015	03	27	11	58	11.5	53.70	-1.12	458.0	422.7	0.9	1.9	HENSALL, N YORKSHIRE	2	6	173	0.40	5.47	0.00	C/F, FELT HENSALL
2015	03	27	20	55	26.7	56.53	-4.43	250.3	740.2	4.1	0.8	KILLIN, STIRLING	5	186	0.40	4.02	0.00	9KM NW OF KILLIN	
2015	03	27	21	35	49.1	51.83	-2.37	374.6	214.9	6.1	0.7	GLOUCESTER, GLOS	8	82	0.20	2.40	2.80		
2015	04	02	16	50	45.4	56.79	-5.57	182.2	772.0	11.0	2.2	STRONTIAN, HIGHLAND	3	10	163	0.30	6.65	4.20	FELT SCOTSTOWN...
2015	04	03	06	21	54.4	52.47	-0.18	523.6	287.0	8.4	2.2	PETERBOROUGH, CAMBS	3	9	108	0.30	1.59	6.40	FELT PETERBOROUGH...
2015	04	04	13	56	53.8	59.21	-1.05	454.0	1036.6	10.8	1.7	NORTHERN NORTH SEA	5	203	0.20	8.12	8.40	45KM SE FAIR ISLE	
2015	04	06	02	55	27.9	53.05	-3.12	325.1	350.9	12.9	1.5	COEDPOETH, WREXHAM	12	79	0.30	3.54	4.90		
2015	04	06	05	05	21.9	56.25	-5.42	188.0	711.8	5.3	0.9	KILMELFORD, ARGYLL/BUTE	8	155	0.20	2.60	1.00		
2015	04	07	19	03	11.7	60.30	1.81	610.6	1163.9	11.2	2.2	NORTHERN NORTH SEA	7	144	0.30	6.18	7.60	160KM EAST LERWICK	
2015	04	09	23	48	37.3	53.70	-1.12	458.0	422.7	0.8	1.2	HENSALL, N YORKSHIRE	2	7	210	0.60	3.05	7.20	C/F, FELT HENSALL
2015	04	10	05	05	36.6	49.42	-2.71	348.2	-53.1	6.0	0.8	GUERNSEY, CHANNEL ISLES	6	200	0.10	5.04	2.10		
2015	04	13	22	08	26.5	52.10	-2.59	359.8	244.4	13.2	1.1	HEREFORD, HEREFORDSHIRE	6	199	0.20	4.16	3.00	8KM NE HEREFORD	
2015	04	16	00	05	24.4	53.36	-0.70	486.6	385.3	9.5	0.9	GAINSBOROUGH, LINCS	5	108	0.30	3.94	6.00		
2015	04	17	06	51	01.1	53.32	-2.77	348.4	381.0	7.5	1.1	RUNCORN, CHESHIRE	8	128	0.20	1.98	5.40		
2015	04	20	14	24	24.8	56.15	-5.34	192.4	700.3	3.5	1.5	KILMARTIN, ARGYLL/BUTE	6	156	0.20	4.95	1.30		
2015	04	23	18	19	02.3	51.65	0.68	585.2	198.5	6.6	1.9	NORTH FAMBRIDGE, ESSEX	5	152	0.10	1.80	3.20		
2015	04	27	18	31	04.4	55.39	-3.02	335.7	610.8	2.8	0.7	CRAIK, BORDERS	6	135	0.10	1.70	2.00		
2015	05	06	13	25	10.1	56.56	-5.55	181.7	746.4	5.3	1.3	MORVERN, HIGHLAND	3	266	0.10	2.06	1.60		
2015	05	11	02	16	49.2	55.09	-3.67	293.6	578.7	3.7	1.4	DUMFRIES, D & G	10	69	0.30	2.30	2.80		

TABLE 1 : CATALOGUE OF EVENTS : 2015

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
2015	05	11	18	55	32.0	54.15	-2.91	340.7	473.5	1.7	1.7	KENTS BANK, CUMBRIA		8	90	0.20	1.70	1.90	
2015	05	12	06	02	21.6	56.67	-4.49	247.3	755.9	2.5	1.3	LOCH RANNOCH, PERTHSHIRE		5	104	0.30	5.69	4.90	
2015	05	12	22	13	51.4	53.00	-2.41	372.3	344.7	7.1	0.4	AUDLEM, CHESHIRE EAST		4	157	0.10	3.05	3.40	7KM ENE AUDLEM
2015	05	14	12	38	38.3	54.35	-3.11	327.8	496.0	4.4	1.4	CONISTON, CUMBRIA		7	161	0.10	1.86	2.20	
2015	05	14	20	35	35.2	50.50	-5.28	167.4	72.3	11.4	1.4	NEWQUAY, CORNWALL		6	199	0.30	5.77	1.40	17KM NW NEWQUAY
2015	05	16	02	31	35.3	52.79	-2.71	352.0	321.7	15.9	0.9	SHREWSBURY, SHROPS		5	116	0.20	2.28	5.20	9KM NNE SHREWSBURY
2015	05	20	02	05	45.5	56.83	-5.88	163.2	777.8	7.9	1.5	SMIRISARY, HIGHLAND		9	184	0.30	8.55	6.60	OFFSHORE SMIRISARY
2015	05	20	17	44	56.6	51.89	-2.94	335.5	221.4	21.8	0.8	PANDY, MONMOUTHSHIRE		5	154	0.20	3.22	1.80	9KM NE ABERGAVENNY
2015	05	20	22	29	31.6	55.13	-3.67	293.9	583.0	8.0	0.7	DUMFRIES, D & G		6	146	0.20	4.08	6.70	6KM NNW DUMFRIES
2015	05	22	01	21	7.8	51.32	1.45	640.4	163.3	9.1	4.2	RAMSGATE, KENT	5	30	114	0.60	6.07	8.70	FELT KENT...
2015	05	22	20	08	21.5	55.15	-3.67	293.6	585.6	5.8	0.7	DUMFRIES, D & G		4	154	0.20	8.97	8.10	10KM N OF DUMFRIES
2015	05	24	06	17	30.8	56.83	-5.91	161.8	777.5	7.5	0.6	SMIRISARY, HIGHLAND		7	155	0.30	7.75	8.80	OFFSHORE SMIRISARY
2015	05	24	12	34	56.1	51.26	-3.44	299.4	151.9	7.2	0.8	BRISTOL CHANNEL		6	181	0.30	6.45	8.50	6KM NNE MINEHEAD
2015	05	24	15	24	10.2	57.32	-3.84	289.3	827.3	3.7	0.7	CARRBRIDGE, HIGHLAND		8	69	0.20	1.94	2.10	
2015	05	26	01	35	50.5	52.70	-0.73	485.5	312.6	3.1	0.8	OAKHAM, RUTLAND		5	156	0.30	4.14	8.30	
2015	05	26	15	41	03.8	53.12	-4.36	242.2	360.3	9.7	3.0	CAERNARFON, GWYNEDD	3	16	124	0.40	5.11	2.90	FELT ANGLESEY...
2015	05	27	01	22	03.4	51.61	-3.11	323.1	191.0	5.7	0.7	RISCA, CAERPHILLY		5	164	0.10	7.12	5.70	
2015	05	27	08	54	26.3	56.83	-5.94	159.8	777.7	7.5	0.8	SMIRISARY, HIGHLAND		5	225	0.30	5.00	12.60	OFFSHORE SMIRISARY
2015	05	30	18	09	48.0	53.99	-1.88	407.7	455.0	7.4	1.7	SKIPTON, N YORKSHIRE		8	128	0.30	4.74	3.40	
2015	05	30	19	20	12.8	54.33	-1.86	409.0	493.0	11.9	2.6	BELLERBY, N YORKSHIRE	2	12	88	0.30	3.61	4.40	FELT BELLERBY
2015	05	31	16	19	43.7	56.41	-6.05	150.3	731.7	7.9	0.8	MULL, ARGYLL & BUTE		5	261	0.20	4.90	0.00	
2015	06	01	03	36	13.7	53.22	-4.71	219.3	372.3	15.2	0.6	CAERNARFON BAY, GWYNEDD		7	245	0.30	5.16	2.30	
2015	06	05	00	30	08.3	52.84	-2.13	391.2	326.8	7.8	0.3	STAFFORD, STAFFS		5	115	0.40	6.37	7.20	
2015	06	07	15	14	17.5	52.99	-2.78	347.4	344.3	3.0	0.7	MALPAS, CHESHIRE		7	130	0.20	2.52	4.20	
2015	06	10	13	03	03.1	51.06	-4.71	209.8	132.7	23.3	2.0	BRISTOL CHANNEL		8	116	0.30	5.22	1.90	10KM SSW LUNDY
2015	06	12	03	54	52.2	53.34	-2.78	348.3	383.4	4.8	0.7	WIDNES, CHESHIRE		5	177	0.30	4.10	0.60	
2015	06	12	09	38	35.7	51.71	-4.16	250.9	204.0	6.0	1.8	LLANELLI, CARMARTHNS		7	179	0.30	7.25	7.30	
2015	06	13	07	03	05.2	55.95	-6.28	132.9	681.7	9.0	1.1	COLONSAY, ARGYLL & BUTE		6	200	0.40	6.54	7.40	OFFSHORE COLONSAY
2015	06	15	17	19	34.9	54.53	-3.68	291.2	515.9	5.0	1.2	IRISH SEA	13	69	0.30	2.10	0.00	7KM WSW WHITEHAVEN	
2015	06	15	23	50	02.8	53.16	-3.98	267.7	364.5	9.9	0.7	BETHESDA, GWYNEDD		6	188	0.10	3.64	3.80	
2015	06	16	16	02	43.5	53.56	-1.66	422.8	406.9	11.8	1.8	PENISTONE, S YORKSHIRE		6	163	0.10	3.65	1.20	
2015	06	19	13	02	56.2	56.28	-5.88	160.0	716.0	2.5	1.5	MULL, ARGYLL & BUTE		8	180	0.20	4.57	3.50	OFFSHORE MULL
2015	06	25	11	16	25.6	52.99	-2.78	347.7	344.1	2.6	1.1	MALPAS, CHESHIRE		7	131	0.10	1.30	2.30	
2015	06	26	01	00	40.0	53.05	-5.19	186.4	354.6	10.1	0.7	IRISH SEA		4	328	0.10	6.98	4.30	
2015	06	26	11	55	06.4	53.32	-3.33	311.6	381.1	5.6	1.9	HOLYWELL, FLINTSHIRE		14	77	0.30	4.77	0.20	
2015	06	27	01	34	47.5	52.88	-1.66	422.7	332.0	7.7	1.1	DERBY, DERBYSHIRE		8	99	0.40	4.13	6.10	12KM SW OF DERBY
2015	06	28	05	04	23.7	57.18	-5.70	176.5	816.3	4.1	0.9	LOCH HOURN, HIGHLAND		5	199	0.20	8.28	6.30	6KM SW GLENELG
2015	06	28	12	00	32.5	56.64	-5.49	186.0	755.2	12.9	0.6	STRONTIAN, HIGHLAND		4	181	0.10	2.68	6.20	
2015	06	30	07	46	36.5	55.81	-3.17	326.9	657.9	7.9	1.0	PENICUIK, MIDLOTHIAN		5	124	0.20	5.76	4.00	

TABLE 1 : CATALOGUE OF EVENTS : 2015

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
2015	06	30	07	59	17.6	53.32	2.60	706.6	390.2	17.9	2.9	SOUTHERN NORTH SEA	13	295	0.30	8.59	9.00	110KM NE LOWESTOFT	
2015	06	30	08	35	42.5	54.77	-3.30	316.6	542.7	7.8	0.6	ASPATRIA, CUMBRIA	5	143	0.20	2.15	5.80		
2015	07	01	00	45	59.8	56.65	-5.53	183.6	756.7	7.9	0.5	STRONTIAN, HIGHLAND	4	185	0.20	3.45	14.00		
2015	07	01	11	27	29.1	57.40	-5.83	169.8	840.6	9.4	0.8	APPLECROSS, HIGHLAND	5	156	0.30	5.57	3.60		
2015	07	06	10	33	23.9	56.96	7.20	958.3	822.7	29.6	2.5	EASTERN NORTH SEA	6	266	0.20	2.51	0.00	560KM EAST ABERDEEN	
2015	07	07	01	11	37.5	57.16	-5.73	174.7	813.7	2.6	0.9	LOCH HOURN, HIGHLAND	6	160	0.30	6.24	5.20	9KM SW GLENELG	
2015	07	08	14	32	15.3	57.25	6.70	923.9	850.8	27.9	3.1	EASTERN NORTH SEA	8	247	0.30	3.15	3.90	530KM EAST ABERDEEN	
2015	07	09	05	12	19.4	55.98	-11.89	-215.9	721.0	21.3	1.9	ATLANTIC, NW OF IRELAND	7	244	0.40	5.16	0.00		
2015	07	10	14	40	55.8	52.79	-0.93	472.2	322.3	6.3	1.0	MELTON MOWBRAY, LEICS	6	145	0.30	3.47	3.30		
2015	07	10	22	40	01.8	62.73	2.23	616.3	1435.6	26.4	3.2	NORTHERN NORTH SEA	14	223	0.30	1.74	6.90	340KM NNE LERWICK	
2015	07	12	03	49	24.9	49.25	-1.84	411.5	-72.3	4.5	1.3	JERSEY, CHANNEL ISLANDS	2	7	317	0.10	4.60	3.30	FELT JERSEY
2015	07	17	09	58	56.1	54.70	-3.04	332.7	534.5	5.3	1.6	CALDBECK, CUMBRIA	8	86	0.20	1.92	2.80	5KM SOUTH CALDBECK	
2015	07	17	22	57	30.4	54.45	-2.96	337.8	506.7	6.8	1.0	AMBLESIDE, CUMBRIA	7	137	0.30	3.00	3.40		
2015	07	18	04	52	44.4	53.22	-4.10	259.5	371.3	17.7	0.7	BANGOR, GWYNEDD	7	155	0.10	3.16	2.80		
2015	07	20	22	36	30.2	56.66	-5.21	203.2	757.1	10.8	1.3	BALLACHULISH, HIGHLAND	2	8	135	0.20	3.51	5.60	FELT BALLACHULISH
2015	07	22	19	12	22.0	50.06	-0.51	506.4	18.8	5.5	1.9	ENGLISH CHANNEL	8	186	0.30	8.25	5.60	90KM SSW OF BRIGHTON	
2015	07	24	10	20	28.2	54.73	-3.15	326.1	537.6	4.4	1.0	WIGTON, CUMBRIA	6	132	0.20	3.61	6.90		
2015	07	24	12	58	27.2	54.21	-3.98	271.0	481.1	2.5	1.4	IRISH SEA	11	78	0.30	2.92	2.90	33KM ENE DOUGLAS, IOM	
2015	07	25	00	10	00.6	53.79	-2.31	379.6	432.4	7.7	1.3	BURNLEY, LANCASHIRE	4	127	0.40	8.45	0.00		
2015	07	26	00	48	01.8	56.34	-5.85	161.9	723.5	4.5	1.3	MULL, ARGYLL & BUTE	10	180	0.40	5.20	0.30		
2015	07	26	10	18	07.5	57.09	-5.74	173.2	806.5	4.1	0.7	AIROR, HIGHLAND	6	164	0.40	0.22	7.30		
2015	07	31	15	38	15.1	53.00	-5.35	175.1	349.8	10.3	1.8	IRISH SEA	11	96	0.10	2.06	3.00	60KM SW HOLYHEAD	
2015	08	01	21	04	52.3	57.69	-5.70	179.6	872.1	2.5	0.7	BADACHRO, HIGHLAND	7	131	0.50	9.44	5.30		
2015	08	01	23	21	05.3	53.68	-2.37	375.8	420.4	9.9	0.7	HELMSHORE, LANCASHIRE	6	122	0.20	2.01	3.10		
2015	08	02	03	42	27.7	51.73	-4.02	260.6	205.3	7.5	1.3	PONTARDDULAIIS, SWANSEA	10	95	0.30	2.61	6.60		
2015	08	04	23	19	38.2	55.79	-5.30	192.8	660.1	6.7	0.9	SKIPNESS, ARGYLL & BUTE	7	140	0.20	2.82	9.90		
2015	08	04	23	54	19.8	54.93	-2.62	360.4	559.2	4.2	0.8	BRAMPTON, CUMBRIA	7	120	0.20	2.69	6.70		
2015	08	06	15	03	59.3	53.18	2.17	678.5	372.5	4.1	4.1	SOUTHERN NORTH SEA	3	44	101	0.60	9.03	1.40 FELT OFFSHORE...	
2015	08	09	08	07	39.1	54.98	-2.19	387.5	564.8	3.5	1.2	HEXHAM, NORTHUMBERLAND	8	184	0.30	3.83	3.10		
2015	08	09	23	19	36.0	55.81	-6.45	121.3	666.0	7.1	0.9	ISLAY, ARGYLL & BUTE	3	247	0.40	6.03	7.20		
2015	08	11	09	06	02.9	53.01	-4.38	240.5	348.8	10.7	1.2	LLEYN PENINSULA	10	216	0.20	4.21	2.00		
2015	08	12	10	26	28.3	58.62	-4.89	232.0	974.4	7.7	1.2	DURNESS, HIGHLAND	5	218	0.40	9.34	2.80	10KM NW DURNESS	
2015	08	12	11	59	52.6	58.63	-4.89	232.1	974.8	7.9	1.3	DURNESS, HIGHLAND	6	219	0.40	8.50	4.50	10KM NW DURNESS	
2015	08	16	14	54	57.2	57.49	-5.26	204.7	849.2	11.2	1.6	ACHNASHEEN, HIGHLAND	8	87	0.20	3.49	2.80		
2015	08	17	17	37	14.2	56.00	-4.88	220.3	682.5	9.2	0.6	LOCH LONG, ARGYLL/BUTE	7	95	0.40	3.89	8.40		
2015	08	19	22	50	51.5	56.57	-4.31	258.1	744.6	3.5	0.8	GLEN LYON, PERTH/KINROSS	6	114	0.20	2.39	3.80		
2015	08	20	05	25	20.7	48.92	-9.60	-156.7	-81.2	5.0	2.6	CELTIC SEA	5	321	0.10	7.77	0.00	305KM WSW LAND'S END	
2015	08	23	22	43	54.8	52.95	-4.40	238.6	341.5	19.3	0.7	LLEYN PENINSULA	7	227	0.20	5.22	7.90		
2015	08	26	17	29	36.8	59.05	1.78	616.9	1023.8	10.0	2.2	NORTHERN NORTH SEA	6	281	0.40	4.99	0.00	310KM NE ABERDEEN	

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Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
2015	09	04	03	23	50.9	54.18	-2.92	340.2	476.2	5.6	0.9	KENTS BANK, CUMBRIA	6	229	0.20	3.97	3.30		
2015	09	04	18	14	40.2	51.84	-2.88	339.7	216.5	17.7	0.8	CROSS ASH, MONMOUTHSHIRE	6	144	0.20	2.80	1.80		
2015	09	07	09	45	23.7	51.26	-3.47	297.2	152.2	8.4	0.9	BRISTOL CHANNEL	5	178	0.50	6.72	3.10	6KM NORTH MINEHEAD	
2015	09	07	12	15	53.3	54.52	-5.99	142.1	521.3	3.3	0.8	DRUMBEG, COUNTY DOWN	3	288	0.40	4.63	3.20		
2015	09	07	17	22	27.2	57.19	-5.74	174.2	817.2	2.5	0.8	SKYE, HIGHLAND	5	159	0.30	8.73	4.00		
2015	09	08	23	35	15.5	57.20	-5.70	176.8	818.1	6.1	0.7	SKYE, HIGHLAND	6	157	0.30	6.81	2.70		
2015	09	11	10	44	54.7	55.81	-3.82	285.8	659.1	7.5	1.1	SHOTTS, N LANARKSHIRE	11	54	0.20	2.20	5.90		
2015	09	12	02	00	42.8	53.15	-4.47	235.1	363.7	7.7	1.7	CAERNARFON BAY, GWYNEDD	3	12	88	0.20	2.59	1.90	FELT RHOSNEIGR...
2015	09	18	22	31	23.7	55.81	-4.59	237.9	660.8	7.8	0.5	HOWWOOD, RENFREWSHIRE	4	156	0.20	3.67	6.60		
2015	09	19	01	30	37.7	53.52	-4.45	237.6	405.7	13.1	0.8	IRISH SEA	9	153	0.20	5.32	3.40	9KM NNW AMLWCH	
2015	09	19	20	08	28.6	53.94	-5.04	200.7	454.1	5.0	0.5	IRISH SEA	8	90	0.40	5.31	5.40		
2015	09	21	18	17	33.3	54.78	-2.84	346.2	543.0	7.7	0.4	CALTHWAITE, CUMBRIA	6	136	0.20	1.91	2.90		
2015	09	22	21	40	11.0	52.70	-0.72	486.6	312.7	2.5	2.8	OAKHAM, RUTLAND	3	22	90	0.60	4.10	4.30	FELT RUTLAND...
2015	09	25	11	22	57.0	55.14	-3.88	280.0	584.4	2.1	0.9	MONIAIVE, D & G	8	75	0.40	4.66	4.80	7KM SSE MONIAIVE	
2015	09	25	19	52	19.1	51.88	-1.77	415.9	219.7	10.5	1.0	BOURTON'WATER, GLOS	5	165	0.20	3.11	6.10	BOURTON-ON-THE-WATER	
2015	09	27	02	49	38.8	52.37	-3.12	324.1	275.3	13.8	0.5	KNIGHTON, POWYS	6	177	0.20	2.55	1.80	5KM NW KNIGHTON	
2015	09	27	22	33	35.5	49.98	-5.38	157.4	14.5	6.8	1.1	MOUNT'S BAY, CORNWALL	4	323	0.20	8.75	1.10	13KM WNW LIZARD PT	
2015	09	30	02	06	44.5	52.82	-3.28	313.6	325.7	8.8	0.7	PENYBONTFAWR, POWYS	7	137	0.10	3.13	3.30		
2015	09	30	05	04	47.0	56.27	-5.90	158.4	715.1	3.6	0.9	MULL, ARGYLL & BUTE	6	181	0.00	0.63	1.10	OFFSHORE MULL	
2015	09	30	05	16	54.4	56.26	-5.91	158.0	714.6	4.8	0.9	MULL, ARGYLL & BUTE	6	182	0.10	1.71	3.00	OFFSHORE MULL	
2015	10	01	22	06	33.8	53.15	-4.32	244.6	364.3	7.0	0.4	NEWBOROUGH, ANGLESEY	5	176	0.10	2.10	1.30		
2015	10	03	03	27	21.7	57.10	-5.36	196.7	805.8	8.0	0.6	KINLOCH HOURN, HIGHLAND	4	194	0.20	1.40	7.90		
2015	10	03	18	36	16.0	54.74	-3.65	293.7	539.8	2.5	0.2	SOLWAY FIRTH	5	113	0.20	1.80	2.10		
2015	10	04	02	22	54.3	55.87	-5.41	186.8	669.1	7.7	1.1	TARBERT, ARGYLL & BUTE	10	148	0.30	3.76	5.50		
2015	10	05	02	53	38.4	51.66	-3.16	319.6	196.7	9.2	1.0	BLACKWOOD, CAERPHILLY	5	240	0.20	5.74	4.20		
2015	10	05	03	09	23.7	55.72	-5.48	181.6	653.0	10.7	0.7	CLACHAN, ARGYLL & BUTE	5	255	0.10	2.40	2.70		
2015	10	05	03	44	59.1	51.66	-3.16	319.8	196.4	10.8	1.5	BLACKWOOD, CAERPHILLY	8	114	0.20	2.53	2.80		
2015	10	05	09	54	39.6	51.65	-3.15	320.8	195.4	10.2	0.8	BLACKWOOD, CAERPHILLY	5	195	0.20	5.62	2.90		
2015	10	08	22	04	22.2	55.13	-3.89	279.6	583.9	4.2	1.2	MONIAIVE, D & G	3	10	65	0.30	2.47	5.30	FELT MONIAIVE...
2015	10	10	12	28	01.0	57.12	-5.34	197.7	807.8	9.7	0.5	KINLOCH HOURN, HIGHLAND	5	141	0.20	5.39	6.60		
2015	10	10	23	45	54.4	55.77	-5.30	193.3	658.3	8.0	0.4	SKIPNESS, ARGYLL & BUTE	6	139	0.30	4.43	0.00		
2015	10	11	02	46	05.5	53.57	2.20	678.3	416.3	6.5	2.1	SOUTHERN NORTH SEA	4	292	0.30	5.60	0.80	90KM NE CROMER	
2015	10	11	21	02	47.4	57.19	-5.68	177.8	817.3	3.6	0.6	LOCH HOURN, HIGHLAND	5	195	0.10	5.77	3.00	4KM SW GLENELG	
2015	10	13	00	27	12.6	53.04	-3.73	283.9	350.5	10.7	0.4	PENTREFOELAS, CONWY	8	166	0.20	2.94	2.10		
2015	10	16	00	21	18.0	51.67	-3.17	319.2	197.7	9.4	0.9	BLACKWOOD, CAERPHILLY	8	154	0.30	4.43	2.90		
2015	10	16	06	29	01.4	57.20	-5.68	177.6	817.6	2.5	0.7	LOCH HOURN, HIGHLAND	5	196	0.20	1.53	0.40	4KM SW GLENELG	
2015	10	18	00	39	24.8	55.75	-5.46	183.0	655.7	13.0	0.4	CLACHAN, ARGYLL & BUTE	7	154	0.30	5.06	7.30		
2015	10	18	23	50	00.0	50.43	-5.07	181.9	63.7	6.6	1.0	NEWQUAY, CORNWALL	4	191	0.30	8.90	4.80		
2015	10	19	05	25	40.4	56.66	-5.18	205.2	756.6	7.5	0.2	BALLACHULISH, HIGHLAND	4	142	0.30	4.22	0.90		

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2015	10	22	23	59	44.6	54.59	-2.94	339.3	521.8	4.2	0.7	DOCKRAY, CUMBRIA		7	123	0.20	2.98	4.10	
2015	10	24	07	18	08.3	52.99	-2.38	374.3	343.3	10.5	1.4	MADELEY, STAFFORDSHIRE		8	124	0.20	3.45	3.10	
2015	10	25	12	33	56.2	55.60	-3.23	322.2	634.4	2.5	1.4	PEEBLES, BORDERS		9	89	0.20	2.69	2.70	7KM SSW PEEBLES
2015	10	27	07	16	33.9	56.37	-5.47	185.8	724.6	3.6	0.4	OBAN, ARGYLL & BUTE		5	194	0.10	2.68	3.70	5KM SOUTH OBAN
2015	10	28	17	32	37.5	53.22	0.46	564.1	372.5	12.9	1.5	SKEGNESS, LINCOLNSHIRE		5	232	0.10	2.68	1.00	11KM NE SKEGNESS
2015	10	29	04	51	00.9	55.70	-5.31	192.0	650.6	7.7	0.5	ARRAN, NORTH AYRSHIRE		5	138	0.30	4.07	0.00	
2015	10	29	05	38	06.7	54.34	-2.22	386.0	494.4	7.5	0.5	HAWES, NORTH YORKSHIRE		4	158	0.20	3.05	9.20	
2015	10	30	22	56	14.8	56.71	-6.42	129.3	766.8	2.5	1.6	COLL, ARGYLL & BUTE		7	220	0.50	9.87	9.50	
2015	11	01	03	07	04.3	52.91	-3.40	305.6	335.7	15.5	0.3	LLANDRILLO, DENBIGHSHIRE		6	156	0.10	1.84	0.90	
2015	11	02	14	31	38.2	52.99	-5.51	164.4	349.1	9.2	1.1	IRISH SEA		11	77	0.40	3.33	6.00	70KM SW HOLYHEAD
2015	11	03	06	23	53.6	51.02	-2.60	357.6	124.7	4.2	1.1	ILCHESTER, SOMERSET		7	190	0.20	5.52	6.50	
2015	11	03	07	22	19.9	55.72	-5.50	180.1	652.8	11.9	0.6	CLACHAN, ARGYLL & BUTE		6	157	0.20	5.58	6.00	
2015	11	09	00	02	39.6	51.08	-4.76	206.5	134.3	20.9	1.1	BRISTOL CHANNEL		6	162	0.20	5.07	3.60	
2015	11	13	15	47	08.2	56.09	-6.04	149.1	696.4	7.3	0.9	JURA, ARGYLL & BUTE		5	242	0.20	1.51	7.50	OFFSHORE JURA
2015	11	13	16	43	09.2	56.01	-5.39	188.4	684.3	11.5	0.9	KILMORY, ARGYLL & BUTE		6	156	0.20	2.98	4.70	
2015	11	17	03	03	56.7	55.91	-3.96	277.6	670.6	7.5	0.8	WATTSTON, N LANARKSHIRE		8	94	0.30	2.42	7.00	
2015	11	19	09	24	54.9	53.24	-1.20	453.5	371.7	7.3	1.8	WARSOP, NOTTINGHAMSHIRE		9	163	0.30	5.10	9.90	
2015	11	19	10	31	48.1	53.24	-1.20	453.3	371.3	7.5	1.7	WARSOP, NOTTINGHAMSHIRE		8	163	0.40	6.43	2.90	
2015	11	19	14	18	36.1	56.85	7.46	975.5	813.6	10.0	3.8	EASTERN NORTH SEA		18	317	0.30	8.45	0.00	
2015	11	20	01	21	54.5	53.24	-1.13	457.9	371.4	6.3	1.4	WARSOP, NOTTINGHAMSHIRE		10	171	0.40	5.41	0.40	
2015	11	20	01	29	12.7	53.25	-1.13	458.0	372.7	6.4	1.2	WARSOP, NOTTINGHAMSHIRE		3	214	0.10	0.61	0.30	
2015	11	20	21	48	38.6	53.24	-1.12	458.5	371.8	7.5	1.7	WARSOP, NOTTINGHAMSHIRE		14	77	0.60	6.04	0.00	
2015	11	21	00	55	18.7	53.25	-1.12	458.5	373.2	6.7	1.8	WARSOP, NOTTINGHAMSHIRE		11	89	0.40	2.77	4.90	
2015	11	21	02	14	38.2	53.22	-1.20	453.2	370.0	6.4	1.2	WARSOP, NOTTINGHAMSHIRE		6	163	0.10	2.02	1.80	
2015	11	21	20	48	28.8	53.25	-1.12	458.4	372.5	6.9	1.2	WARSOP, NOTTINGHAMSHIRE		4	126	0.40	7.28	0.50	
2015	11	22	06	56	32.7	57.19	-5.69	177.3	817.1	6.2	0.7	LOCH HOURN, HIGHLAND		5	157	0.20	4.95	3.30	5KM SW GLENELG
2015	11	22	18	23	42.2	53.81	-3.92	273.7	436.6	4.9	0.9	IRISH SEA		9	178	0.10	2.40	3.40	50KM SE ISLE OF MAN
2015	11	23	07	44	22.7	54.79	-2.90	342.1	543.8	6.1	0.6	IVEGILL, CUMBRIA		6	126	0.20	3.05	4.60	
2015	11	23	20	39	36.0	54.81	-1.49	432.8	546.1	4.9	1.3	DURHAM, COUNTY DURHAM		5	196	0.40	6.94	6.80	
2015	11	25	13	20	05.0	53.25	-1.15	456.4	372.7	5.8	1.5	WARSOP, NOTTINGHAMSHIRE		4	212	0.10	3.40	5.10	
2015	11	25	15	00	08.2	53.26	-1.11	459.6	374.1	7.5	1.1	WARSOP, NOTTINGHAMSHIRE		3	262	0.10	9.13	8.60	
2015	11	25	20	27	28.6	53.25	-1.12	458.9	373.3	7.7	1.4	WARSOP, NOTTINGHAMSHIRE		7	126	0.20	1.43	2.60	
2015	11	25	20	30	20.1	53.26	-1.12	458.8	373.9	6.8	1.9	WARSOP, NOTTINGHAMSHIRE		10	84	0.40	3.35	6.30	
2015	11	25	21	53	15.3	53.26	-1.12	458.7	373.5	6.6	1.5	WARSOP, NOTTINGHAMSHIRE		7	170	0.70	9.23	0.00	
2015	11	25	22	38	50.0	53.26	-1.12	458.4	373.6	7.1	1.6	WARSOP, NOTTINGHAMSHIRE		10	90	0.40	2.28	7.10	
2015	11	26	02	10	43.4	53.25	-1.12	458.9	372.7	6.9	2.1	WARSOP, NOTTINGHAMSHIRE	2	10	89	0.20	1.48	4.50	FELT CLUMBER PARK
2015	11	26	04	02	35.7	53.24	-1.19	453.8	372.0	7.0	1.1	WARSOP, NOTTINGHAMSHIRE		5	163	0.30	4.68	0.00	
2015	11	26	16	00	27.6	53.25	-1.12	458.9	373.3	6.3	1.2	WARSOP, NOTTINGHAMSHIRE		4	216	0.10	3.71	5.40	
2015	11	26	17	09	17.5	53.25	-1.12	458.9	373.3	5.3	1.5	WARSOP, NOTTINGHAMSHIRE		5	126	0.10	1.48	5.00	

TABLE 1 : CATALOGUE OF EVENTS : 2015

Year	Mo	Dy	Hr	Mn	Secs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments	
2015	11	26	21	09	03.7	53.26	-1.12	458.8	374.1	6.2	1.0	WARSOP, NOTTINGHAMSHIRE	4	216	0.10	3.08	4.70			
2015	11	27	02	05	36.9	53.25	-1.12	458.9	373.4	5.4	0.8	WARSOP, NOTTINGHAMSHIRE	4	219	0.20	5.49	4.20			
2015	11	27	11	42	37.7	53.25	-1.12	458.6	373.2	7.4	2.2	WARSOP, NOTTINGHAMSHIRE	2	6	126	0.20	1.84	5.60	FELT MEDEN VALE	
2015	11	29	04	08	29.9	53.25	-1.11	459.0	373.2	6.1	0.8	WARSOP, NOTTINGHAMSHIRE	4	216	0.20	3.30	4.90			
2015	11	29	14	36	25.6	55.83	-5.46	183.5	664.9	7.7	1.4	TARBERT, ARGYLL & BUTE	7	158	0.30	5.19	6.70			
2015	12	01	16	43	07.5	54.44	-2.92	340.1	505.6	12.4	1.1	AMBLESIDE, CUMBRIA	6	138	0.20	2.62	2.60			
2015	12	04	01	53	43.0	50.56	-4.30	236.9	76.5	3.9	1.3	LAUNCESTON, CORNWALL	5	119	0.40	3.55	5.60			
2015	12	10	18	22	201.8	55.45	-3.45	308.1	618.3	3.4	0.4	TWEEDSMUIR, BORDERS	7	162	0.20	2.80	4.20			
2015	12	11	07	20	45.8	61.84	4.30	731.1	1345.2	10.6	3.8	NORWEGIAN COAST	22	182	0.50	7.42	5.30	350KM NE LERWICK		
2015	12	11	18	41	23.1	54.31	-1.86	409.0	490.6	2.6	1.1	LEYBURN, NORTH YORKSHIRE	5	165	0.30	6.58	7.30			
2015	12	11	23	42	30.3	55.22	-3.53	302.7	592.9	4.5	1.4	JOHNSTONEBRIDGE, D & G	10	68	0.30	2.72	3.40			
2015	12	13	01	39	23.4	51.66	-3.17	319.3	195.8	9.0	1.3	BLACKWOOD, CAERPHILLY	7	157	0.30	4.59	4.10			
2015	12	13	05	28	18.8	51.65	-3.21	316.4	195.4	5.1	2.4	BLACKWOOD, CAERPHILLY	12	106	0.30	5.35	5.00			
2015	12	15	12	31	56.4	53.36	-4.06	262.9	386.8	7.7	1.0	IRISH SEA	8	150	0.30	3.58	0.20	OFFSHORE ANGLESEY		
2015	12	18	13	52	12.9	53.02	-1.99	400.7	347.4	5.6	1.1	KINGSLEY, STAFFORDSHIRE	5	103	0.10	1.06	1.10			
2015	12	21	10	31	07.3	56.97	7.01	946.6	822.4	17.5	4.0	EASTERN NORTH SEA	19	221	0.50	4.44	1.50			
2015	12	22	04	15	947.6	52.80	-3.82	277.1	324.6	13.5	1.5	LLANFACHRETH, GWYNEDD	2	7	177	0.10	4.69	8.00	FELT UPPER CORRIS	
2015	12	22	22	52	11.8	54.77	-3.23	320.7	542.2	5.2	0.5	WIGTON, CUMBRIA	5	120	0.10	1.84	3.60	7KM SW WIGTON		
2015	12	26	05	15	03.0	56.89	-4.95	220.3	781.5	3.9	1.3	SPEAN BRIDGE, HIGHLAND	5	186	0.20	4.55	2.80			
2015	12	26	22	11	10.7	51.91	-4.09	256.4	225.4	7.4	1.1	LLANFYNNDD, CARMARTHENS	5	113	0.60	4.23	1.90			
2015	12	27	11	08	47.3	51.66	-3.20	316.9	196.6	9.3	0.8	BLACKWOOD, CAERPHILLY	4	180	0.10	3.52	2.20			
2015	12	27	14	33	52.7	51.67	-3.18	318.5	197.1	11.2	1.7	BLACKWOOD, CAERPHILLY	9	155	0.30	3.40	2.60			
2015	12	27	21	54	49.0	51.66	-3.18	318.2	196.5	9.0	1.8	BLACKWOOD, CAERPHILLY	9	102	0.20	2.68	3.30			
2015	12	27	23	05	47.8	56.37	-4.13	268.4	722.1	4.4	1.3	COMRIE, PERTH & KINROSS	8	120	0.30	4.25	9.30	8KM WEST COMRIE		
2015	12	28	20	59	38.7	53.20	-1.53	431.7	367.6	16.2	1.1	CHESTERFIELD, DERBYSHIRE	5	168	0.10	0.85	0.70			
2015	12	28	22	11	12.9	51.66	-3.17	318.8	196.7	10.6	1.6	BLACKWOOD, CAERPHILLY	6	185	0.60	8.90	0.00			
2015	12	29	22	26	44.3	57.66	-5.58	186.5	869.2	2.4	1.1	TALLADEALE, HIGHLAND	3	281	0.20	4.73	9.50			
2015	12	30	01	03	52.1	51.66	-3.16	320.0	196.6	11.4	1.9	BLACKWOOD, CAERPHILLY	2	7	114	0.40	4.83	4.20	FELT BLACKWOOD	

TABLE 2 : PHASE DATA

January 1 2015	Time: 07:11 54.9 UTC	Magnitude: 0.4 ML	BIGH	HE	44.6	IAML	01:03	35.64	243	0.12
Lat: 55.043N	Lon: -2.800W	Depth: 5.2 km	BIGH	HN	44.6	IAML	01:03	35.87	443	0.17
Grid Ref: 348.89 kmE	572.35 kmN	RMS: 0.20 secs	LINV	HZ	49.9	EP	01:03	30.26		0.07
Locality: BEWCASLE,CUMBRIA			LINV	HE	49.9	ES	01:03	36.31		-0.14
Velocity model: Lownet	Xnear: 100.0 Xfar: 200.0		LINV	HN	49.9	IAML	01:03	43.30	208	0.16
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			LINV	HE	49.9	IAML	01:03	43.34	136	0.14
ESK HZ 39.9 EP 07:12 02.16		-0.02	INVG	HE	234.0	ES	01:04	21.61		0.10
ESK HN 39.9 ES 07:12 07.29		-0.19	INVG	HE	234.0	IAML	01:04	29.34	35	0.56
ESK HN 39.9 IAML 07:12 07.52	5 0.11		INVG	HN	234.0	IAML	01:04	30.91	48	0.58
ESK HE 39.9 IAML 07:12 07.57	4 0.10									
KESW HZ 54.2 EP 07:12 04.36		-0.04	January 14 2015	Time: 07:20 49.3 UTC	Magnitude: 1.8 ML					
KESW HE 54.2 ES 07:12 11.08		-0.24	Lat: 51.875N	Lon: -2.273W	Depth: 15.4 km					
EDMD HE 58.7 ES 07:12 12.53		0.11	Grid Ref: 381.21 kmE	219.69 kmN	RMS: 0.30 secs					
GALL HZ 124.0 EP 07:12 15.35		0.16	Locality: GLOUCESTER,GLOS							
GALL HN 124.0 ES 07:12 30.46		0.48	Velocity model: Lownet	Xnear: 100.0 Xfar: 200.0						
January 3 2015	Time: 23:17 23.4 UTC	Magnitude: 0.6 ML	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
Lat: 56.804N	Lon: -4.960W	Depth: 2.4 km	STRD HZ 13.4 EP 07:20		52.75					
Grid Ref: 219.29 kmE	771.94 kmN	RMS: 0.10 secs	STRD HE 13.4 ES 07:20		55.74					
Locality: FORT WILLIAM,HIGHLAND			STRD HN 13.4 IAML 07:20		56.06	139	0.14			
Velocity model: Lownet	Xnear: 100.0 Xfar: 200.0		STRD HE 13.4 IAML 07:20		56.25	122	0.10			
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			OLDB HZ 30.6 EP 07:20		54.91					
LAWE HZ 66.3 EP 23:17 34.96		0.08	OLDB HE 30.6 ES 07:20		59.46					
LAWE HE 66.3 ES 23:17 43.27		-0.02	SSW EZ 30.8 EP 07:20		55.21					
LAWE HE 66.3 IAML 23:17 43.36	5 0.18		MCH1 HZ 51.7 IP C 07:20		58.25					
LAWE HN 66.3 IAML 23:17 47.52	6 0.20		MCH1 HE 51.7 ES 07:21		05.07					
INVG HZ 70.1 EP 23:17 35.25		-0.25	MCH1 HN 51.7 IAML 07:21		05.36	102	0.22			
INVG HN 70.1 ES 23:17 44.49		0.12	SWN1 HZ 51.9 EP 07:20		58.21					
INVG HE 70.1 IAML 23:17 48.47	2 0.12		SWN1 HE 51.9 ES 07:21		05.26					
INVG HN 70.1 IAML 23:17 48.84	4 0.14		SWN1 HE 51.9 IAML 07:21		05.71	95	0.23			
KPL HZ 72.9 EP 23:17 35.90		0.01	SWN1 HN 51.9 IAML 07:21		05.80	112	0.13			
KPL HN 72.9 ES 23:17 44.92		-0.10	CWF HZ 116.0 EP 07:21		07.63					
KPL HE 72.9 IAML 23:17 49.17	2 0.11		FOEL HZ 129.0 EP 07:21		10.46					
KPL HN 72.9 IAML 23:17 49.22	3 0.13		LBWR HZ 174.0 EP 07:21		16.21					
KAC EZ 80.1 EP 23:17 37.19		0.16	DYA HZ 198.0 EP 07:21		18.39					
January 8 2015	Time: 20:26 58.8 UTC	Magnitude: 1.5 ML	January 17 2015	Time: 22:09 08.6 UTC	Magnitude: 0.4 ML					
Lat: 58.510N	Lon: -4.684W	Depth: 7.3 km	Lat: 51.024N	Lon: -4.686W	Depth: 8.7 km					
Grid Ref: 243.65 kmE	961.07 kmN	RMS: 0.60 secs	Grid Ref: 211.65 kmE	128.45 kmN	RMS: 0.20 secs					
Locality: DURNESS,HIGHLAND			Locality: HARTLAND POINT,DEVON							
Velocity model: Lownet	Xnear: 500.0 Xfar: 1000.0		Velocity model: Lownet	Xnear: 50.0 Xfar: 150.0						
Comment: FELT DURNESS	Intensity: 2		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			HTL HN 14.5 EP 22:09		13.54					
BIGH HZ 45.1 EP 20:27 06.81		0.10	HTL HE 14.5 ES 22:09		17.01					
BIGH HN 45.1 ES 20:27 12.04		-0.42	HTL HE 14.5 IAML 22:09		17.34	6	0.17			
BIGH HN 45.1 IAML 20:27 12.39	69 0.10		SBD BZ 51.1 EP 22:09		17.75					
BIGH HE 45.1 IAML 20:27 13.09	44 0.16		SBD BN 51.1 ES 22:09		24.43					
LINV HZ 50.4 EP 20:27 07.48		-0.04	SBD BN 51.1 IAML 22:09		25.05	3	0.15			
LINV HE 50.4 ES 20:27 13.56		-0.30	SBD BE 51.1 IAML 22:09		25.36	6	0.10			
LINV HE 50.4 IAML 20:27 13.82	16 0.22		DYA HZ 84.5 EP 22:09		22.23					
LINV HN 50.4 IAML 20:27 20.55	23 0.18		DYA HN 84.5 ES 22:09		32.84					
KAC EZ 118.0 EP 20:27 18.51		0.42	DYA HN 84.5 IAML 22:09		33.43	1	0.14			
LEWI HN 134.0 ES 20:27 35.05		-1.18	DYA HE 84.5 IAML 22:09		34.35	1	0.10			
LEWI HN 134.0 IAML 20:27 37.62	17 0.11		CCA1 HZ 101.0 EP 22:09		24.98					
LEWI HE 134.0 IAML 20:27 37.65	11 0.11		CCA1 HN 101.0 ES 22:09		36.85					
KPL HZ 142.0 EP 20:27 22.32		0.76	CCA1 HN 101.0 IAML 22:09		37.07	1	0.15			
KPL HE 142.0 ES 20:27 38.81		0.66	CCA1 HN 101.0 IAML 22:09		37.45	1	0.15			
KPL HN 142.0 IAML 20:27 43.26	12 0.58									
KPL HE 142.0 IAML 20:27 44.07	19 0.30									
January 9 2015	Time: 00:21 58.8 UTC	Magnitude: 1.4 ML	January 18 2015	Time: 15:59 53.5 UTC	Magnitude: 0.9 ML					
Lat: 58.516N	Lon: -4.672W	Depth: 6.8 km	Lat: 53.809N	Lon: -3.725W	Depth: 4.4 km					
Grid Ref: 244.38 kmE	961.71 kmN	RMS: 0.40 secs	Grid Ref: 286.43 kmE	436.15 kmN	RMS: 0.30 secs					
Locality: DURNESS,HIGHLAND			Locality: IRISH SEA							
Velocity model: Lownet	Xnear: 500.0 Xfar: 1000.0		Velocity model: Lownet	Xnear: 100.0 Xfar: 200.0						
Comment: 60KM SE DOUGLAS,IOM	Intensity: 2		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			WPS HZ 68.5 EP 16:00		05.31					
BIGH HZ 44.5 EP 00:22 06.77		0.16	WLF1 HZ 73.0 EP 16:00		05.36					
BIGH HN 44.5 ES 00:22 12.03		-0.28	WLF1 HE 73.0 ES 16:00		15.01					
BIGH HN 44.5 IAML 00:22 12.91	53 0.20		WLF1 HE 73.0 IAML 16:00		16.06	7	0.28			
BIGH HE 44.5 IAML 00:22 13.06	36 0.16		WLF1 HZ 73.0 IAML 16:00		17.81	5	0.33			
LINV HZ 51.3 EP 00:22 07.46		-0.21	IOMK HZ 74.6 EP 16:00		06.26					
LINV HE 51.3 ES 00:22 13.44		-0.69	IOMK HE 74.6 ES 16:00		15.34					
LINV HE 51.3 IAML 00:22 13.68	14 0.22		IOMK HZ 74.6 IAML 16:00		17.63	7	0.16			
LINV HN 51.3 IAML 00:22 20.53	22 0.18		IOMK HE 74.6 IAML 16:00		19.37	7	0.18			
KAC EZ 119.0 EP 00:22 18.11		-0.11	KESW HZ 95.7 EP 16:00		09.74					
KPL HZ 143.0 EP 00:22 22.34		0.64	KESW HE 95.7 ES 16:00		20.64					
KPL HE 143.0 ES 00:22 38.89		0.48	KESW HE 95.7 IAML 16:00		22.83	4	0.22			
KPL HE 143.0 IAML 00:22 41.18	15 0.38		GAL1 HZ 134.0 EP 16:00		15.90					
KPL HN 143.0 IAML 00:22 41.29	12 0.38		GAL1 HN 134.0 ES 16:00		31.16					
January 9 2015	Time: 01:03 21.6 UTC	Magnitude: 2.4 ML	GAL1 HN 134.0 IAML 16:00		32.50	2	0.24			
Lat: 58.501N	Lon: -4.675W	Depth: 7.5 km	GAL1 HN 134.0 IAML 16:00		34.12	2	0.14			
Grid Ref: 244.14 kmE	960.04 kmN	RMS: 0.10 secs	LWWR HZ 140.0 EP 16:00		16.73					
Locality: DURNESS,HIGHLAND			LWWR HE 140.0 ES 16:00		32.73					
Velocity model: Lownet	Xnear: 500.0 Xfar: 1000.0		NEWG HZ 149.0 ES 16:00		35.57					
Comment: FELT DURNESS	Intensity: 2		NEWG HE 149.0 IAML 16:00		35.78	2	0.23			
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			NEWG HN 149.0 IAML 16:00		38.01	3	0.30			
BIGH HZ 44.6 EP 01:03 29.47		0.10	HLML HZ 154.0 EP 16:00		18.09					
BIGH HN 44.6 ES 01:03 34.92		-0.13								

TABLE 2 : PHASE DATA

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WACR	HE	226.0	IAML	18:31	27.63	102	0.20		HMNX	HN	219.0	IAML	22:26	57.17	1140	0.44	
SBD	BZ	245.0	EP	18:30	53.46		-0.74		HMNX	HE	219.0	IAML	22:27	00.53	882	0.42	
SBD	BN	245.0	IAML	18:31	28.11	44	0.45		YLL	EZ	237.0	EP	22:26	28.73		-0.43	
SBD	BE	245.0	IAML	18:31	28.33	31	0.45		EDMD	HZ	248.0	EP	22:26	29.75		-0.81	
LBWR	HZ	260.0	EP	18:30	56.66		0.55		EDMD	HE	248.0	IAML	22:27	08.00	681	0.28	
LBWR	HE	260.0	IAML	18:31	32.12	127	0.42		EDMD	HN	248.0	IAML	22:27	08.23	592	0.32	
LBWR	HN	260.0	IAML	18:31	32.16	149	0.34		WME	EZ	252.0	EP	22:26	30.49		-0.54	
WLF1	HZ	324.0	EP	18:31	03.47		-0.59		WLF1	HZ	255.0	IP	D	22:26	30.90		-0.50
WPS	HZ	338.0	EP	18:31	06.34		0.57		WLF1	HN	255.0	ES		22:26	58.29		-0.61
WLF1	HZ	255.0	IAML						WLF1	HZ	255.0	IAML	22:27	03.22	564	0.46	
January 28 2015				Time: 06:49	31.6	UTC		Magnitude: 0.6	ML								
	Lat:	54.683N	Lon:	-2.667W				Depth:	5.3 km								
	Grid Ref:	357.00 kmE	532.21 kmN					RMS:	0.30	secs							
	Locality:	PENRITH,CUMBRIA															
	Velocity model:	Lownet	Xnear:	100.0	Xfar:	200.0											
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES							
KESW	HZ	30.2	EP			06:49	37.06			-0.18							
KESW	HN	30.2	ES			06:49	41.25			-0.12							
EDMD	HZ	48.3	EP			06:49	40.20			0.14							
EDMD	HN	48.3	ES			06:49	45.98			-0.27							
EDMD	HN	48.3	IAML			06:49	46.12	11	0.12								
EDMD	HE	48.3	IAML			06:49	46.45	5	0.16								
ESK	HZ	78.5	EP			06:49	45.20			0.39							
ESK	HN	78.5	ES			06:49	54.31			-0.14							
ESK	HE	78.5	IAML			06:49	56.28	2	0.19								
ESK	HN	78.5	IAML			06:49	56.42	3	0.37								
IOMK	HZ	132.0	EP			06:49	53.78			0.78							
IOMK	HE	132.0	ES			06:50	08.65			0.02							
GALL	HN	133.0	ES			06:50	08.52			-0.42							
NEWG	HZ	352.0	EP														
January 28 2015				Time: 22:25	53.7	UTC		Magnitude: 3.8	ML								
	Lat:	52.727N	Lon:	-0.717W				Depth:	3.2 km								
	Grid Ref:	486.63 kmE	315.18 kmN					RMS:	0.40	secs							
	Locality:	OAKHAM,RUTLAND															
	Velocity model:	Lownet	Xnear:	150.0	Xfar:	300.0											
	Comment:	FELT RUTLAND...					Intensity:	4									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES							
CWF	HZ	39.9	IP	9	D	22:25	59.09			-1.91							
CWF	HN	39.9	ES	9		22:26	03.76			-0.64							
CWF	HE	39.9	IAML			22:26	03.92	2372	0.26								
CWF	HN	39.9	IAML			22:26	04.18	4543	0.16								
LMK	HZ	85.3	IP		C	22:26	08.14			0.01							
LMK	HN	85.3	ES			22:26	18.87			0.23							
LMK	HN	85.3	IAML			22:26	21.14	5158	0.35								
LMK	HE	85.3	IAML			22:26	23.36	4488	0.39								
WACR	HZ	90.9	EP			22:26	08.75			-0.22							
WACR	HE	90.9	IAML			22:26	20.98	2442	0.60								
WACR	HN	90.9	IAML			22:26	21.09	3813	0.16								
LBWR	HZ	101.0	IP		D	22:26	10.37			-0.22							
LBWR	HE	101.0	ES			22:26	22.47			-0.43							
LBWR	HE	101.0	IAML			22:26	26.34	2738	0.28								
LBWR	HN	101.0	IAML			22:26	26.76	4943	0.26								
STRD	HZ	145.0	IP		C	22:26	17.42			0.24							
STRD	HN	145.0	IAML			22:26	36.48	1147	0.34								
STRD	HE	145.0	IAML			22:26	40.16	1282	0.62								
HLM1	HZ	148.0	EP			22:26	17.38			-0.37							
HLM1	HE	148.0	IAML			22:26	37.06	2338	0.40								
HLM1	HN	148.0	IAML			22:26	37.76	2462	0.33								
HPK	HZ	150.0	EP			22:26	17.88			-0.03							
HPK	HE	150.0	ES			22:26	35.95			0.39							
HPK	HE	150.0	IAML			22:26	37.19	3285	0.22								
HPK	HN	150.0	IAML			22:26	38.14	4075	0.44								
BUW	HZ	151.0	EP			22:26	18.37			0.34							
BUW	HN	151.0	IAML			22:26	42.61	3965	0.72								
BUW	HE	151.0	IAML			22:26	44.64	2323	0.50								
SWN1	HZ	154.0	IP		C	22:26	19.15			0.63							
SWN1	HN	154.0	ES			22:26	36.93			0.31							
SWN1	HN	154.0	IAML			22:26	40.90	1511	0.34								
SWN1	HE	154.0	IAML			22:26	42.75	1308	0.62								
WOL	BZ	161.0	EP			22:26	20.19			0.67							
FOEL	HZ	168.0	IP		D	22:26	20.16			-0.46							
FOEL	HE	168.0	ES			22:26	39.34			-0.90							
FOEL	HN	168.0	IAML			22:26	41.29	1409	0.46								
FOEL	HE	168.0	IAML			22:26	44.01	1335	0.42								
OLDB	HZ	173.0	EP			22:26	21.12			0.00							
OLDB	HN	173.0	IAML			22:26	42.49	1496	0.34								
OLDB	HE	173.0	IAML			22:26	46.77	2111	0.38								
MCH1	HZ	175.0	IP		C	22:26	21.58			0.07							
MCH1	HN	175.0	ES			22:26	41.57			-0.21							
MCH1	HN	175.0	IAML			22:26	42.22	1714	0.78								
MCH1	HE	175.0	IAML			22:26	42.30	954	0.50								
GDL	HZ	189.0	EP			22:26	23.01			-0.18							
GDL	HN	189.0	IAML			22:26	49.88	3007	0.32								
GDL	HE	189.0	IAML			22:26	50.14	1062	0.50								
ELSH	HZ	217.0	EP			22:26	27.34			0.65							
ELSH	HE	217.0	IAML			22:26	54.73	727	0.36								
ELSH	HN	217.0	IAML			22:26	57.37	698	0.26								
HMNX	HZ	219.0	EP			22:26	26.53			-0.43							
HMNX	HN	219.0	ES			22:26	51.98			0.77							
HMNX	HE	219.0	IAML														
January 30 2015				Time: 16:25	40.8	UTC		Magnitude:	1.8	ML							
	Lat:	51.069N	Lon:	-1.289W				Depth:	4.5	km							
	Grid Ref:	449.81 kmE	130.26 kmN					RMS:	0.10	secs							
	Locality:	WINCHESTER,HAMPSHIRE															
	Velocity model:	Lownet	Xnear:	100.0	Xfar:	200.0											
	Comment:	FELT WINCHESTER					Intensity:	3									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES							
WOL	BZ	27.3	EP			16:25	45.76			-0.13							
WOL	BE	27.3	ES			16:25	49.55			-0.09							
WOL	BN	27.3	IAML			16:25	54.43	110	0.60								
BUW	HZ	38.0	EP			16:25	58.63	68	0.30								
BUW	HE	38.0	IAML			16:25	52.90			0.14							
BUW	HN	38.0	IAML			16:25	56.58</td										

TABLE 2 : PHASE DATA

Grid Ref: 205.70 kmE -8.46 kmN	RMS: 0.20 secs	LBWR HE 110.0 ES 11:57 23.01 -0.14
Locality: ENGLISH CHANNEL		LBWR HE 110.0 IAML 11:57 24.71 80 0.12
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0		LBWR HN 110.0 IAML 11:57 25.17 74 0.11
Comment: 45KM SSE FALMOUTH		GDLE HZ 118.0 EP 11:57 11.52 0.32
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	ESK HZ 126.0 EP 11:57 12.30 0.21	
CCA1 HZ 57.9 EP 06:12 15.14 0.14	ESK HN 126.0 ES 11:57 26.58 -0.12	
CCA1 HE 57.9 ES 06:12 22.44 0.04	ESK HN 126.0 IAML 11:57 28.47 10 0.20	
CCA1 HN 57.9 IAML 06:12 25.35 9 0.10	ESK HE 126.0 IAML 11:57 34.38 6 0.34	
CCA1 HE 57.9 IAML 06:12 25.43 13 0.09	IOMK HZ 128.0 EP 11:57 12.18 -0.15	
SBD BZ 86.0 EP 06:12 19.02 -0.33	IOMK HE 128.0 IAML 11:57 32.17 16 0.26	
DYA HZ 90.2 EP 06:12 20.14 0.12	IOMK HN 128.0 IAML 11:57 32.29 17 0.24	
DYA HN 90.2 ES 06:12 31.15 0.07	NEWG HZ 143.0 EP 11:57 13.98 -0.25	
DYA HE 90.2 IAML 06:12 32.17 4 0.22	NEWG HN 143.0 IAML 11:57 33.20 14 0.26	
DYA HN 90.2 IAML 06:12 33.13 7 0.18	NEWG HE 143.0 IAML 11:57 35.46 12 0.18	
HTL HZ 135.0 EP 06:12 26.68 -0.13		
HTL HN 135.0 ES 06:12 42.89 0.06		
HTL HN 135.0 IAML 06:12 44.81 8 0.25	February 10 2015 Time: 01:15 17.0 UTC Magnitude: 0.9 ML	
HTL HE 135.0 IAML 06:12 45.21 10 0.43	Lat: 53.505N Lon: -2.452W Depth: 8.9 km	
February 7 2015 Time: 06:27 48.6 UTC Magnitude: 1.7 ML	Grid Ref: 370.02 kmE 401.05 kmN RMS: 0.20 secs	
Lat: 49.804N Lon: -4.684W Depth: 3.3 km	Locality: LEIGH,GTR MANCHESTER	
Grid Ref: 206.89 kmE -7.17 kmN RMS: 0.30 secs	Velocity model: Lownet Xnear: 150.0 Xfar: 300.0	
Locality: ENGLISH CHANNEL	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0	STNC HZ 48.8 EP 01:15 25.44 0.01	
Comment: 45KM SSE FALMOUTH	LBWR HZ 49.6 EP 01:15 25.40 -0.17	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	LBWR HN 49.6 ES 01:15 31.90 0.07	
CCA1 HZ 57.7 EP 06:27 58.67 -0.09	LBWR HE 49.6 IAML 01:15 32.95 8 0.15	
CCA1 HE 57.7 ES 06:28 05.99 -0.16	HPK HZ 74.4 EP 01:15 29.13 0.05	
CCA1 HN 57.7 IAML 06:28 08.93 33 0.11	HPK HN 74.4 ES 01:15 37.91 0.01	
CCA1 HE 57.7 IAML 06:28 08.97 42 0.07	HPK HZ 74.4 IAML 01:15 38.69 16 0.38	
SBD BZ 84.7 EP 06:28 02.87 -0.07	HPK HE 74.4 IAML 01:15 38.85 21 0.31	
SBD BN 84.7 ES 06:28 13.56 0.17	LLW BZ 109.0 EP 01:15 34.50 0.47	
SBD BE 84.7 IAML 06:28 15.34 45 0.30	LLW BN 109.0 ES 01:15 46.33 -0.13	
SBD BN 84.7 IAML 06:28 15.40 25 0.25	LLW BE 109.0 IAML 01:15 47.55 2 0.50	
DYA HZ 88.5 EP 06:28 03.53 -0.02	LLW BN 109.0 IAML 01:15 47.76 2 0.25	
DYA HE 88.5 ES 06:28 14.16 -0.27	HLM1 HZ 113.0 EP 01:15 34.72 0.02	
DYA HN 88.5 IAML 06:28 16.67 26 0.18	HLM1 HE 113.0 ES 01:15 47.59 -0.05	
DYA HE 88.5 IAML 06:28 16.74 11 0.13	HLM1 HZ 113.0 IAML 01:15 48.93 2 0.20	
HTL HZ 133.0 EP 06:28 11.28 0.87	HLM1 HE 113.0 IAML 01:15 49.51 2 0.17	
HTL HE 133.0 ES 06:28 26.40 0.10	CWF HZ 115.0 EP 01:15 34.89 0.07	
HTL HE 133.0 IAML 06:28 28.09 30 0.26	CWF HE 115.0 ES 01:15 47.84 0.01	
HTL HN 133.0 IAML 06:28 28.22 30 0.22	CWF HE 115.0 IAML 01:15 49.28 3 0.24	
February 7 2015 Time: 06:32 00.9 UTC Magnitude: 1.3 ML	CWF HN 115.0 IAML 01:15 49.97 3 0.20	
Lat: 49.794N Lon: -4.718W Depth: 3.8 km	WLF1 HZ 132.0 EP 01:15 36.79 -0.43	
Grid Ref: 204.41 kmE -8.19 kmN RMS: 0.40 secs	WLF1 HN 132.0 ES 01:15 52.05 0.07	
Locality: ENGLISH CHANNEL	WLF1 HN 132.0 IAML 01:15 52.40 3 0.23	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0	WLF1 HE 132.0 IAML 01:15 52.60 2 0.19	
Comment: 45KM SSE FALMOUTH		
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	February 10 2015 Time: 21:20 50.8 UTC Magnitude: 0.2 ML	
CCA1 HZ 56.9 EP 06:32 10.73 -0.14	Lat: 53.109N Lon: -3.155W Depth: 4.2 km	
CCA1 HE 56.9 ES 06:32 18.03 -0.11	Grid Ref: 322.69 kmE 357.52 kmN RMS: 0.30 secs	
CCA1 HN 56.9 IAML 06:32 20.98 13 0.09	Locality: MOLD,FLINTSHIRE	
CCA1 HE 56.9 IAML 06:32 21.02 22 0.07	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0	
SBD BZ 85.8 EP 06:32 15.80 0.45	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
SBD BE 85.8 IAML 06:32 27.53 18 0.12	FOEL HZ 24.6 EP 21:20 55.31 -0.26	
SBD BN 85.8 IAML 06:32 27.64 11 0.14	FOEL HN 24.6 ES 21:20 58.95 -0.07	
DYA HZ 90.8 EP 06:32 15.71 -0.44	FOEL HE 24.6 IAML 21:20 59.09 6 0.09	
DYA HN 90.8 ES 06:32 27.30 0.03	FOEL HN 24.6 IAML 21:20 59.64 6 0.14	
DYA HN 90.8 IAML 06:32 28.72 11 0.20	LLW BZ 44.9 EP 21:20 59.31 0.42	
DYA HE 90.8 IAML 06:32 29.45 5 0.10	LLW BN 44.9 ES 21:21 04.97 0.20	
HTL HZ 135.0 EP 06:32 23.63 0.80	LLW BE 44.9 IAML 21:21 05.33 1 0.13	
HTL HE 135.0 ES 06:32 38.55 -0.28	LLW BE 44.9 IAML 21:21 05.78 1 0.14	
HTL HE 135.0 IAML 06:32 40.38 14 0.22	HLM1 HZ 68.3 EP 21:21 02.66 0.08	
HTL HE 135.0 IAML 06:32 40.78 11 0.35	HLM1 HE 68.3 ES 21:21 10.97 -0.18	
February 9 2015 Time: 11:56 51.5 UTC Magnitude: 2.0 ML	HLM1 HE 68.3 IAML 21:21 11.20 1 0.21	
Lat: 54.243N Lon: -2.610W Depth: 12.2 km	HLM1 HE 68.3 IAML 21:21 11.48 2 0.16	
Grid Ref: 360.25 kmE 483.22 kmN RMS: 0.20 secs	WLF1 HZ 85.4 EP 21:21 05.54 0.39	
Locality: KIRKBY LONSDALE,CUMBRIA	WLF1 HN 85.4 ES 21:21 15.23 -0.38	
Velocity model: Borders Xnear: 150.0 Xfar: 300.0	WLF1 HN 85.4 IAML 21:21 15.40 2 0.13	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	WLF1 HE 85.4 ES 21:21 15.41 -0.20	
KESW HZ 50.1 EP 11:57 00.60 0.13	February 11 2015 Time: 23:12 13.8 UTC Magnitude: 1.1 ML	
KESW HE 50.1 ES 11:57 06.81 -0.01	Lat: 56.988N Lon: -5.845W Depth: 6.6 km	
KESW HE 50.1 IAML 11:57 07.13 101 0.26	Grid Ref: 166.44 kmE 795.09 kmN RMS: 0.40 secs	
KESW HN 50.1 IAML 11:57 07.49 107 0.14	Locality: MALLAIG,HIGHLAND	
SPK EZ 61.0 EP 11:57 02.27 0.11	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0	
SPK EN 61.0 ES 11:57 09.63 -0.09	Comment: FELT MALLAIG Intensity: 2	
SPK EN 61.0 IAML 11:57 09.96 230 0.24	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
SPK EE 61.0 IAML 11:57 10.37 298 0.28	KPL HZ 40.8 IP D 23:12 21.01 0.00	
HPK HZ 71.8 EP 11:57 03.97 0.02	KPL HE 40.8 ES 23:12 26.01 -0.28	
HPK HN 71.8 ES 11:57 12.52 -0.26	KPL HE 40.8 IAML 23:12 26.45 9 0.15	
HPK HE 71.8 IAML 11:57 12.99 120 0.22	KPL HN 40.8 IAML 23:12 26.67 10 0.21	
HPK HN 71.8 IAML 11:57 13.11 168 0.30	LAWE HZ 85.5 EP 23:12 27.98 0.02	
EDMD HZ 77.8 EP 11:57 05.13 0.26	LAWE HN 85.5 ES 23:12 37.84 -0.48	
EDMD HN 77.8 ES 11:57 14.08 -0.26	LAWE HE 85.5 IAML 23:12 37.99 13 0.16	
EDMD HN 77.8 IAML 11:57 14.92 106 0.12	INVG HZ 127.0 EP 23:12 38.43 11 0.11	
EDMD HE 77.8 IAML 11:57 16.28 175 0.24	INVG HE 127.0 ES 23:12 34.58 0.22	
LBWR HZ 110.0 EP 11:57 10.26 0.24	INVG HN 127.0 IAML 23:12 49.47 0.09	

TABLE 2 : PHASE DATA

INVG	HE	127.0	IAML	23:12	52.95	6	0.14		LAWE	HE	129.0	ES	20:24	03.02	-0.25							
EAB	EZ	128.0	EP	23:12	35.15		0.55		LAWE	HN	129.0	IAML	20:24	04.96	130 0.15							
LEWI	HZ	143.0	EP	23:12	36.73		0.09		LAWE	HE	129.0	IAML	20:24	05.89	142 0.26							
LEWI	HE	143.0	ES	23:12	53.64		0.31		INVG	HZ	149.0	EP	20:23	51.21	0.18							
LEWI	HE	143.0	IAML	23:12	54.65	9	0.25		INVG	HN	149.0	ES	20:24	08.22	-0.07							
LEWI	HN	143.0	IAML	23:12	55.43	8	0.22		INVG	HN	149.0	IAML	20:24	09.86	21 0.17							
PGB1	HN	156.0	ES	23:12	57.37		0.88		INVG	HE	149.0	IAML	20:24	10.06	19 0.17							
PGB1	HN	156.0	IAML	23:12	58.87	6	0.35		EAB	EZ	159.0	EP	20:23	52.82	0.30							
PGB1	HE	156.0	IAML	23:12	59.28	4	0.20		BIGH	HZ	162.0	EP	20:23	53.69	0.86							
GALL	HZ	247.0	EP	23:12	50.86		0.82		PGB1	HZ	193.0	EP	20:23	57.24	0.44							
ESK	HZ	248.0	EP	23:12	50.33		0.08		NEWG	HZ	271.0	EP	20:24	06.27	-0.26							
ESK	HZ	279.0	EP						ESK	HZ	279.0	EP	20:24	07.34	-0.30							
February 13 2015				Time: 21:02	27.1 UTC	Magnitude:	0.7 ML	February 16 2015				Magnitude:	0.6 ML									
Lat: 54.151N				Lon: -2.861W		Depth:	7.5 km	Lat: 56.709N				Depth:	7.8 km									
Grid Ref: 343.77 kmE				473.16 kmN		RMS:	0.20 secs	Grid Ref: 171.36 kmE				RMS:	0.20 secs									
Locality: SILVERDALE, LANCASTER								Locality: ACHARACLE, HIGHLAND														
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
KESW	HZ	51.3	EP		21:02	36.05			0.13		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
KESW	HE	51.3	ES		21:02	42.59			0.21		LAWE	HZ	54.1	EP	21:04	0.36					0.17	
KESW	HN	51.3	IAML		21:02	42.80	3	0.33			LAWE	HE	54.1	ES	21:04	0.670					-0.25	
KESW	HE	51.3	IAML		21:02	42.84	2	0.34			LAWE	HE	54.1	IAML	21:04	0.685	4	0.15				
HPK	HN	83.7	ES		21:02	51.26			0.19		LAWE	HN	54.1	IAML	21:04	07.26	3	0.13				
EDMD	HE	95.5	ES		21:02	53.85			-0.31		KPL	HZ	70.4	EP	21:04	02.87					0.18	
EDMD	HE	95.5	IAML		21:02	54.14	4	0.31			KPL	HE	70.4	ES	21:04	11.09					-0.18	
EDMD	HN	95.5	IAML		21:02	55.29	6	0.17			KPL	HE	70.4	IAML	21:04	11.30	4	0.31				
LBWR	HN	112.0	ES		21:02	58.60			-0.11		KPL	HN	70.4	IAML	21:04	14.38	2	0.19				
IOMK	HE	112.0	ES		21:02	58.41			-0.21		EAB	EZ	104.0	EP	21:04	08.04					0.10	
WLF1	HE	140.0	ES		21:03	05.71			0.08		INVG	HN	109.0	EP	21:04	08.55					-0.13	
WLF1	HE	140.0	IAML		21:03	05.71					INVG	HE	109.0	ES	21:04	21.74					0.11	
February 14 2015				Time: 21:40	16.8 UTC	Magnitude:	0.8 ML	February 16 2015				Magnitude:	0.6 ML									
Lat: 52.991N				Lon: -4.370W		Depth:	18.6 km	Lat: 56.709N				Depth:	7.8 km									
Grid Ref: 240.94 kmE				346.40 kmN		RMS:	0.10 secs	Grid Ref: 171.36 kmE				RMS:	0.20 secs									
Locality: LLEYN PENINSULA								Locality: SILVERDALE, LANCASTER														
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
YLL	EZ	21.3	EP		21:40	21.66			-0.01		KESW	HZ	51.4	EP	20:16	02.10					0.04	
YLL	EZ	21.3	ES		21:40	25.24			0.04		KESW	HE	51.4	ES	20:16	08.35					-0.23	
YRC	EZ	32.0	EP		21:40	22.97			-0.09		KESW	HE	51.4	IAML	20:16	09.01	6	0.19				
YRC	EZ	32.0	ES		21:40	27.66			0.05		KESW	HN	51.4	IAML	20:16	09.30	6	0.18				
WLF1	HN	33.2	EP		21:40	23.19			-0.05		HPK	HN	83.9	ES	20:16	17.17					-0.06	
WLF1	HE	33.2	ES		21:40	27.86			-0.06		HPK	HE	83.9	IAML	20:16	18.29	9	0.26				
WLF1	HE	33.2	IAML		21:40	28.11	22	0.10			HPK	HN	83.9	IAML	20:16	18.50	10	0.22				
WLF1	HN	33.2	IAML		21:40	28.40	6	0.10			EDMD	HZ	95.8	EP	20:16	09.33					0.53	
WME	EZ	45.4	EP		21:40	24.90			-0.11		EDMD	HE	95.8	ES	20:16	19.91					-0.33	
WPS	HZ	46.4	EP		21:40	25.27			0.13		EDMD	HN	95.8	IAML	20:16	21.16	20	0.30				
WPS	HN	46.4	ES		21:40	31.26			0.06		EDMD	HE	95.8	IAML	20:16	21.67	12	0.36				
HLM1	HZ	113.0	EP		21:40	34.92			0.11		LBWR	HE	112.0	ES	20:16	24.21					-0.18	
HLM1	HE	113.0	ES		21:40	47.87			-0.05		LBWR	HN	112.0	IAML	20:16	24.67	4	0.15				
February 14 2015				Time: 21:40	25.2 UTC	Magnitude:	0.9 ML	February 16 2015				Magnitude:	0.6 ML									
Lat: 53.006N				Lon: -4.361W		Depth:	20.7 km	Lat: 56.709N				Depth:	7.8 km									
Grid Ref: 241.60 kmE				348.05 kmN		RMS:	0.10 secs	Grid Ref: 171.36 kmE				RMS:	0.20 secs									
Locality: LLEYN PENINSULA								Locality: SILVERDALE, LANCASTER														
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																						
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
YLL	EZ	19.7	EP		21:40	30.00			-0.05		IOMK	HE	112.0	EP	20:16	11.52					0.38	
YLL	EZ	19.7	ES		21:40	33.59			0.02		IOMK	HN	112.0	ES	20:16	23.86					-0.42	
YRC	EZ	30.8	EP		21:40	31.29			-0.10		ESK	HE	132.0	ES	20:16	27.31	6	0.25				
YRC	EZ	30.8	ES		21:40	35.96			0.07		ESK	HN	132.0	IAML	20:16	29.64					0.40	
WLF1	HN	31.7	IAML		21:40	31.46			-0.05		ESK	HE	132.0	IAML	20:16	29.99	2	0.30				
WLF1	HE	31.7	ES		21:40	36.16			0.06		LLW	BE	154.0	ES	20:16	31.72	1	0.29				
WLF1	HE	31.7	IAML		21:40	36.40	32	0.10			LLW	BE	154.0	ES	20:16	34.94					0.21	
WME	EZ	43.7	EP		21:40	33.03			-0.15		February 17 2015	Time: 20:15	53.1 UTC	Magnitude:	1.1 ML							
WPS	HN	44.9	ES		21:40	39.33			0.09		Lat: 56.239N	Lon: -5.426W	Depth:	4.9 km								
WPS	HN	44.9	IAML		21:40	39.93	8	0.12			Grid Ref: 187.72 kmE	710.43 kmN	RMS:	0.40 secs								
WPS	HE	44.9	IAML		21:40	40.43	5	0.14			Locality: KILMELFORD, ARGYLL/BUTE											
HLM1	HZ	114.0	EP		21:40	43.44			0.22		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0											
HLM1	HE	114.0	ES		21:40	56.27			-0.09		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
MCH1	HN	145.0	EP		21:40	47.69			0.09		LAWE	HZ	2.9	IP	C	02:51	56.82				-0.20	
February 15 2015				Time: 20:23	27.4 UTC	Magnitude:	2.1 ML	Lat: 57.403N				Magnitude:	0.5 ML									
Lat: 57.403N				Lon: -5.713W		Depth:	7.8 km	Lat: 56.709N				Depth:	7.8 km									
Grid Ref: 176.97 kmE				840.80 kmN		RMS:	0.20 secs	Grid Ref: 461.24 kmE				RMS:	0.40 secs									

TABLE 2 : PHASE DATA

Velocity model: Lownet Xnear: 100.0 Xfar: 200.0												Grid Ref: 365.98 kmE 257.36 kmN												RMS: 0.40 secs	
Comment: FELT EAST GOSCOTE												Locality: BROMYARD,HEREFORDSHIRE													
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0													
CWF	HZ	15.3	IP	C	18:04	46.05		-0.47				MCH1	HZ	41.8	IP	C	13:25	38.91							0.07
CWF	HN	15.3	ES		18:04	48.71		-0.07				MCH1	HN	41.8	ES		13:25	44.02							-0.36
CWF	HN	15.3	IAML		18:04	48.96	112	0.12				MCH1	HN	41.8	IAML		13:25	44.15	188	0.10					
CWF	HE	15.3	IAML		18:04	49.01	54	0.10				MCH1	HE	41.8	IAML		13:25	44.23	205	0.16					
LBWR	HZ	81.0	EP		18:04	57.61		0.39				HLM1	HZ	42.8	IP	D	13:25	39.39							0.34
LBWR	HE	81.0	ES		18:05	66.98		-0.32				HLM1	HE	42.8	ES		13:25	45.30							0.55
LBWR	HN	81.0	IAML		18:05	11.59	23	0.28				HLM1	HE	42.8	IAML		13:25	45.57	125	0.22					
LBWR	HE	81.0	IAML		18:05	12.15	20	0.32				HLM1	HN	42.8	IAML		13:25	45.92	107	0.13					
LMK	HZ	91.0	EP		18:04	59.06		0.32				MONM	HZ	46.6	IP	C	13:25	39.56							-0.01
WACR	HZ	116.0	EP		18:05	02.10		-0.54				MONM	HN	46.6	ES		13:25	45.31							-0.34
HLM1	HZ	125.0	EP		18:05	04.51		0.53				MONM	HN	46.6	IAML		13:25	45.61	362	0.16					
HLM1	HN	125.0	ES		18:05	18.78		-0.21				MONM	HE	46.6	IAML		13:25	45.76	282	0.12					
HLM1	HE	125.0	IAML		18:05	19.53	12	0.14				STRD	HZ	53.8	IP	D	13:25	40.59							-0.12
HLM1	HN	125.0	IAML		18:05	19.65	8	0.11				STRD	HE	53.8	ES		13:25	47.36							-0.25
STRD	HZ	134.0	EP		18:05	05.81		0.49				STRD	HN	53.8	IAML		13:25	48.00	142	0.14					
MCH1	HZ	156.0	EP		18:05	09.23		0.65				STRD	HE	53.8	IAML		13:25	48.18	135	0.12					
February 22 2015		Time: 15:55	31.2	UTC		Magnitude: 1.4	ML					FOEL	HZ	89.1	EP		13:25	45.84							-0.39
Lat: 53.078N		Lon: -2.852W				Depth: 8.8	km					FOEL	HN	89.1	ES		13:25	56.74							-0.43
Grid Ref: 342.93	kmE	353.79	kmN			RMS: 0.20	secs					FOEL	HE	89.1	IAML		13:26	00.16	19	0.21					
Locality: FARNDON,CHESTERE												FOEL	HN	89.1	IAML		13:26	00.42	27	0.14					
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0												SWN1	HZ	91.5	EP		13:25	46.98							0.43
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES		SWN1	HE	91.5	ES		13:25	58.32							0.60
LLW	BZ	60.3	EP		15:55	41.58		0.11				SWN1	HN	91.5	IAML		13:25	58.84	60	0.16					
LLW	BE	60.3	ES		15:55	48.68		-0.25				SWN1	HE	91.5	IAML		13:25	58.95	93	0.26					
LLW	BN	60.3	IAML		15:55	49.17	4	0.15				CWF	HZ	99.8	EP		13:25	46.91							-0.94
LLW	BE	60.3	IAML		15:55	49.20	2	0.11				CWF	HE	99.8	IAML		13:25	59.50	44	0.09					
HLM1	HZ	62.3	EP		15:55	42.03		0.20				CWF	HN	99.8	IAML		13:25	59.57	41	0.10					
HLM1	HE	62.3	ES		15:55	49.59		0.02				LLW	BZ	106.0	EP		13:25	49.24							0.41
HLM1	HE	62.3	IAML		15:55	50.06	44	0.20				LLW	BE	106.0	ES		13:26	01.82							0.15
HLM1	HN	62.3	IAML		15:55	50.09	26	0.17				LLW	BN	106.0	IAML		13:26	03.89	37	0.11					
CWF	HZ	111.0	EP		15:55	48.86		-0.40				LLW	BE	106.0	IAML		13:26	04.97	37	0.10					
CWF	HN	111.0	IAML		15:56	02.18	15	0.20				WOL	BZ	133.0	EP		13:25	53.62							0.63
CWF	HE	111.0	IAML		15:56	03.64	9	0.10				YLL	EZ	153.0	EP		13:25	55.88							0.06
WPS	HZ	116.0	EP		15:55	50.37		0.35				WLF1	HZ	175.0	EP		13:25	59.64							0.73
WPS	HE	116.0	ES		15:56	03.55		-0.18				WLF1	HE	175.0	ES		13:26	19.42							0.32
WPS	HN	116.0	IAML		15:56	05.07	17	0.18				WLF1	HN	175.0	IAML		13:26	20.41	36	0.13					
WPS	HE	116.0	IAML		15:56	05.39	12	0.12				WLF1	HE	175.0	ES		13:26	20.47	30	0.12					
MCH1	HN	121.0	ES		15:56	05.10		0.03				YRC	EZ	182.0	EP		13:25	59.82							0.13
MCH1	HN	121.0	IAML		15:56	08.08	8	0.16				WPS	HZ	189.0	EP		13:26	00.61							0.03
MCH1	HE	121.0	IAML		15:56	08.21	10	0.10				DYA	HZ	222.0	EP		13:26	03.95							-0.76
HPK	HZ	127.0	EP		15:55	51.97		0.22				DYA	HN	222.0	IAML		13:26	31.69	24	0.16					
KESW	HE	169.0	ES		15:56	16.72		-0.15				DYA	HE	222.0	IAML		13:26	34.86	26	0.18					
KESW	HE	169.0	IAML		15:56	18.10	8	0.30				February 25 2015	Time: 21:19	38.8	UTC	Magnitude: 0.6	ML								
KESW	HN	169.0	IAML		15:56	18.10	12	0.28				Lat: 53.479N	Lon: -2.607W		Depth: 7.7	km									
February 25 2015		Time: 10:41	24.9	UTC		Magnitude: 2.0	ML					Grid Ref: 359.72	kmE	398.23	kmN	RMS: 0.20	secs								
Lat: 51.636N		Lon: -3.594W				Depth: 4.8	km					Locality: GOLBORNE,GTR MANCHESTER													
Grid Ref: 289.70	kmE	194.28	kmN			RMS: 0.30	secs					Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0													
Locality: BLAENGARW,BRIDGEND												STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES			
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0												LBWR	HZ	59.2	EP		21:19	49.08							0.19
Comment: FELT PONTYCYMER...						Intensity: 3						LBWR	HN	59.2	ES		21:19	56.38							0.12
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES		LBWR	HN	59.2	IAML		21:19	57.30	6	0.19					
MCH1	HZ	57.5	EP		10:41	34.62		-0.22				FOEL	HZ	76.6	EP		21:19	51.65							0.04
MCH1	HE	57.5	ES		10:41	42.07		-0.06				FOEL	HN	76.6	ES		21:20	00.70							-0.26
MCH1	HE	57.5	IAML		10:41	42.27	65	0.26				HPK	HZ	84.0	EP		21:19	52.82							0.12
MCH1	HN	57.5	IAML		10:41	42.30	94	0.26				HPK	HN	84.0	ES		21:20	02.47							-0.38
HTL	HZ	94.6	EP		10:41	40.77		0.21				HTL	HZ	94.6	ES		21:20	03.12	7	0.25					
HTL	HN	94.6	IAML		10:41	54.27	81	0.54				HTL	HN	94.6	IAML		21:20	03.39	7	0.11					
HTL	HE	94.6	IAML		10:41	54.46	52	0.34				LLW	BN	99.6	EP		21:20	06.96							-0.07
STRD	HZ	100.0	EP		10:41	41.59		0.14				LLW	BN	99.6	IAML		21:20	07.99	1	0.20					
HLM1	HZ	110.0	EP		10:41	43.08		0.11				LLW	BE	99.6	IAML		21:20	08.13	1	0.40					
HLM1	HE	110.0	ES		10:41	56.46		0.26																	

TABLE 2 : PHASE DATA

ROSF	BN	107.0	ES	22:55	38.04	0.38	ESK	HN	4.2	ES	15:57	51.66	0.00	
ROSF	BE	107.0	IAML	22:55	39.00	240 0.32	ESK	HN	4.2	IAML	15:57	51.75	30 0.09	
ROSF	BN	107.0	IAML	22:55	39.91	234 0.12	ESK	HE	4.2	IAML	15:57	51.80	56 0.10	
RENF	BZ	132.0	EP	22:55	28.16	-0.43	NEWG	HZ	72.7	EP	15:58	01.06	-0.07	
DYA	HZ	186.0	EP	22:55	35.18	-0.64	KESW	HZ	80.4	EP	15:58	02.35	0.01	
DYA	HN	186.0	ES	22:55	57.08	0.68	KESW	HE	80.4	ES	15:58	12.14	-0.01	
DYA	HE	186.0	IAML	22:56	02.57	216 0.46	KESW	HE	80.4	IAML	15:58	14.48	2 0.19	
DYA	HN	186.0	IAML	22:56	02.85	284 0.48	KESW	HN	80.4	IAML	15:58	14.77	2 0.54	
SBD	BZ	233.0	EP	22:55	40.92	-0.72	GAL1	HZ	112.0	EP	15:58	07.29	0.09	
SBD	BE	233.0	IAML	22:56	17.00	62 0.55								
SBD	BN	233.0	IAML	22:56	21.76	78 0.30	February 28 2015							
CCAI	HZ	239.0	EP	22:55	41.45	-0.92	Time: 02:22 47.2 UTC							
CCAI	HN	239.0	IAML	22:56	17.23	60 0.46	Lat: 49.119N	Lon: -2.376W	Depth: 12.4 km					
CCAI	HE	239.0	IAML	22:56	19.38	45 0.30	Grid Ref: 372.57 kmE -86.70 kmN		RMS: 0.00 secs					
HTL	HZ	260.0	EP	22:55	45.70	0.77	Locality: JERSEY, CHANNEL ISLANDS							
WOL	BZ	260.0	EP	22:55	45.53	0.51	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							
WOL	BE	260.0	IAML	22:56	29.10	56 0.40	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
WOL	BN	260.0	IAML	22:56	29.54	38 0.43	JVM EZ 16.5 IP C 02:22 50.95							
HTL	HN	260.0	IAML	22:56	24.56	154 0.70	JSA HZ 16.8 EP 9 02:22 49.87							
HTL	HE	260.0	IAML	22:56	25.00	119 0.60	JSA HE 16.8 ES 02:22 52.64							
HMNX	HZ	277.0	EP	22:55	46.99	-0.12	JSA HE 16.8 IAML 02:22 52.86	20	0.18					
MONM	HN	307.0	EP	22:55	50.32	-0.53	JSA HN 16.8 IAML 02:22 53.02	15	0.20					
MONM	HE	307.0	IAML	22:56	37.21	55 0.42	JRS EZ 22.3 EP 02:22 51.76							
MONM	HN	307.0	IAML	22:56	39.93	92 0.66	JRS EE 22.3 IAML 02:22 55.17	13	0.07					
MCH1	HZ	326.0	EP	22:55	52.68	-0.57	JRS EN 22.3 IAML 02:22 55.17	9	0.07					
MCH1	HE	326.0	IAML	22:56	42.50	42 0.46	JLP EZ 24.5 EP 02:22 52.09							
MCH1	HN	326.0	IAML	22:56	44.52	43 0.34	JQE EZ 26.2 EP 02:22 52.32							
ELSH	HZ	340.0	EP	22:55	55.60	0.67								
ELSH	HE	340.0	IAML	22:56	32.28	36 0.28	March 1 2015							
ELSH	HN	340.0	IAML	22:56	52.16	45 0.32	Time: 18:05 55.5 UTC							
HLM1	HZ	383.0	EP	22:56	00.60	0.23	Lat: 53.097N	Lon: -2.894W	Depth: 4.7 km					
HLM1	HN	383.0	IAML	22:56	57.23	21 0.30	Grid Ref: 340.14 kmE 355.94 kmN		RMS: 0.40 secs					
HLM1	HE	383.0	IAML	22:56	57.31	34 0.36	Locality: ROSSETT, WREXHAM							
WACR	HZ	456.0	EP	22:56	08.97	-0.48	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							
February 25 2015							STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
							FOEL HZ 30.9 EP 18:06 00.82							
							FOEL HN 30.9 ES 18:06 05.48							
							FOEL HN 30.9 IAML 18:06 06.07	7	0.48					
							FOEL HE 30.9 IAML 18:06 08.84	6	0.54					
							LLW BZ 58.6 EP 18:06 06.05							
							LLW BN 58.6 ES 18:06 12.74							
							HLM1 HE 64.3 ES 18:06 15.02							
							HLM1 HE 64.3 IAML 18:06 15.11	4	0.13					
							HLM1 HE 64.3 IAML 18:06 15.14	4	0.08					
							WLF1 HZ 103.0 EP 18:06 12.79							
							WLF1 HE 103.0 IAML 18:06 24.27							
							WLF1 HE 103.0 ES 18:06 26.66	2	0.08					
							WLF1 HE 103.0 IAML 18:06 26.91	2	0.08					
							WPS HZ 112.0 EP 18:06 14.52							
							CWF HN 114.0 ES 18:06 27.45							
							CWF HN 114.0 IAML 18:06 29.00	1	0.11					
							CWF HN 114.0 IAML 18:06 29.24	2	0.31					
February 27 2015														
							March 5 2015							
							Time: 06:18 16.7 UTC							
							Lat: 58.026N	Lon: -3.464W	Depth: 3.8 km					
							Grid Ref: 313.54 kmE 905.00 kmN		RMS: 0.30 secs					
							Locality: MORAY FIRTH							
							Velocity model: Lownet Xnear: 175.0 Xfar: 300.0							
							Comment: 15KM SE HELMSDALE							
							STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
							BIGH HZ 58.3 EP 06:18 26.69							
							BIGH HN 58.3 ES 06:18 34.31							
							BIGH HE 58.3 IAML 06:18 35.71	74	0.30					
							KAC EZ 124.0 EP 06:18 35.93	48	0.14					
							DRUM HZ 137.0 EP 06:18 39.09							
							DRUM HE 137.0 ES 06:18 55.31							
							DRUM HE 137.0 IAML 06:18 57.64	101	0.29					
							DRUM HN 137.0 IAML 06:18 57.99	70	0.34					
							KPL HZ 151.0 EP 06:18 40.88							
							KPL HN 151.0 IAML 06:19 11.52	13	0.38					
							KPL HE 151.0 IAML 06:19 12.45	12	0.38					
							INVG HZ 181.0 EP 06:18 44.57							
							INVG HE 181.0 IAML 06:19 15.46	17	0.38					
							INVG HE 181.0 IAML 06:19 19.12	14	0.30					
							EAB EZ 211.0 EP 06:18 49.53							
							EDI HZ 235.0 EP 06:18 51.91							
							EDI HE 235.0 IAML 06:19 31.44	15	0.50					
							EDI HE 235.0 EP 06:19 31.79	30	0.62					
							EKS HZ 302.0 EP 06:19 00.12							
							EKS HE 302.0 IAML 06:19 46.34	13	0.52					
							EKS HN 302.0 IAML 06:19 48.98	10	0.64					
February 27 2015							March 7 2015							
							Time: 01:24 48.1 UTC							
							Lat: 56.255N	Lon: -3.741W	Depth: 5.4 km					
							Grid Ref: 292.15 kmE 708.30 kmN		RMS: 0.30 secs					
							Locality: BLACKFORD, PERTH/KINROSS							
							Velocity model: Lownet Xnear: 100.0 Xfar: 190.0							
							Comment: FELT GLENDEVON		Intensity: 2					
							STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
							ESK HZ 4.2 EP 15:57 50.50	0.00						

TABLE 2 : PHASE DATA

EBH	EZ	14.4	EP	01:24	51.16	0.04	KESW	HZ	89.1	EP	17:04	07.68	-0.09	
EBH	EZ	14.4	ES	01:24	53.15	-0.19	KESW	HN	89.1	ES	17:04	19.09	0.32	
INVG	HZ	26.8	IP	D	01:24	53.25	0.07	KESW	HE	89.1	IAML	17:04	19.32	2 0.12
INVG	HN	26.8	ES		01:24	56.64	-0.26	KESW	HN	89.1	IAML	17:04	19.64	3 0.38
INVG	HN	26.8	IAML		01:24	56.96	13 0.25	ESK	HZ	90.9	EP	17:04	08.24	0.19
INVG	HE	26.8	IAML		01:24	57.24	18 0.10	ESK	HN	90.9	ES	17:04	18.95	-0.29
EDI	HZ	50.5	EP		01:24	57.04	0.13	ESK	HE	90.9	IAML	17:04	20.58	4 0.13
EDI	HN	50.5	ES		01:25	02.69	-0.67	ESK	HN	90.9	IAML	17:04	20.65	4 0.23
EDI	HN	50.5	IAML		01:25	03.43	22 0.10	GDLE	HE	94.0	ES	17:04	20.12	0.06
EDI	HE	50.5	IAML		01:25	03.57	22 0.29	GDLE	HN	94.0	IAML	17:04	21.57	22 0.22
PGB1	HZ	67.7	EP		01:24	59.57	-0.03	GDLE	HE	94.0	IAML	17:04	21.85	18 0.30
PGB1	HN	67.7	ES		01:25	07.80	-0.20	NEWG	HZ	150.0	EP	17:04	16.93	0.02
PGB1	HE	67.7	IAML		01:25	10.60	19 0.27	NEWG	HN	150.0	ES	17:04	34.60	0.03
PGB1	HN	67.7	IAML		01:25	12.22	22 0.30	NEWG	HN	150.0	IAML	17:04	35.08	2 0.26
ESY	EZ	79.5	EP		01:25	01.82	0.35	NEWG	HE	150.0	IAML	17:04	35.26	2 0.28
LAWE	HZ	103.0	EP		01:25	05.22	0.19							
LAWE	HN	103.0	ES		01:25	17.29	-0.11							
LAWE	HE	103.0	IAML		01:25	20.45	23 0.16	March 13 2015						
LAWE	HN	103.0	IAML		01:25	20.77	33 0.16	Lat: 56.006N						
DRUM	HZ	106.0	EP		01:25	05.60	0.00	Lon: -5.010W						
ESK	HN	110.0	EP		01:25	06.85	0.72	Grid Ref: 212.35 kmE 683.31 kmN						
NEWG	HN	130.0	EP		01:25	09.38	0.12	Locality: DUNOON,ARGYLL & BUTE						
KPL	HZ	168.0	EP		01:25	15.58	0.96	Velocity model: Lownet Xnear: 80.0 Xfar: 150.0						
							Comment: 7KM NW OF DUNOON							
March 10 2015							STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
							LAWE HZ 37.2 EP 17:30 34.26							
							LAWE HN 37.2 ES 17:30 38.74							-0.19
Lat: 55.177N							LAWE HE 37.2 IAML 17:30 38.95							
Lon: -4.029W							LAWE HE 37.2 IAML 17:30 39.07							
Grid Ref: 270.80 kmE 588.85 kmN							EAB EZ 46.6 EP 17:30 35.36							
Locality: MONIAIVE,D & G							INVG HZ 76.1 EP 17:30 40.09							
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							INVG HZ 76.1 ES 17:30 49.61							0.19
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							INVG HE 76.1 IAML 17:30 50.35							
NEWG HZ 14.4 EP 17:02 11.84							INVG HE 76.1 IAML 17:30 50.62							
NEWG HE 14.4 ES 17:02 13.61							INVG HE 110.0 EP 17:30 46.08							
NEWG HE 14.4 IAML 17:02 13.67							NEWG HE 110.0 ES 17:30 57.88							
NEWG HN 14.4 IAML 17:02 13.71							NEWG HE 110.0 IAML 17:31 00.69							
ESK HZ 54.6 EP 17:02 17.91							CLGH HZ 124.0 EP 17:30 0.25							
ESK HE 54.6 ES 17:02 24.71							CLGH HZ 124.0 IAML 17:31 0.27							
ESK HE 54.6 IAML 17:02 29.37							CLGH HZ 124.0 ES 17:31 0.28							
ESK HN 54.6 IAML 17:02 30.35							CLGH HZ 124.0 IAML 17:31 0.30							
GALL HZ 55.7 EP 17:02 18.43							CLGH HZ 124.0 IAML 17:31 0.32							
GALL HE 55.7 ES 17:02 25.10							CLGH HZ 124.0 IAML 17:31 0.34							
GALL HE 55.7 IAML 17:02 26.05							CLGH HZ 124.0 IAML 17:31 0.36							
GALL HE 55.7 IAML 17:02 26.25							ESK HN 137.0 EP 17:31 0.38							
KESW HZ 88.3 EP 17:02 24.06							ESK HN 137.0 ES 17:31 0.40							
KESW HE 88.3 ES 17:02 35.02							ESK HN 137.0 IAML 17:31 0.42							
KESW HE 88.3 IAML 17:02 36.00							ESK HE 137.0 EP 17:31 0.44							
KESW HN 88.3 IAML 17:02 36.65							ESK HE 137.0 ES 17:31 0.46							
EBL EZ 90.9 EP 17:02 24.25							ESK HE 137.0 IAML 17:31 0.48							
IOMK HZ 108.0 EP 17:02 27.18														
IOMK HN 108.0 ES 17:02 39.67						-0.11								
IOMK HN 108.0 IAML 17:02 40.93						8 0.10								
IOMK HE 108.0 IAML 17:02 42.34						5 0.14								
ESY EZ 122.0 EP 17:02 29.35						0.47								
CLGH HZ 133.0 EP 17:02 31.11						0.45								
CLGH HE 133.0 ES 17:02 47.18						0.56								
CLGH HE 133.0 IAML 17:02 48.39						4 0.14								
CLGH HN 133.0 IAML 17:02 48.82						4 0.19								
EDMD HZ 138.0 EP 17:02 31.94						0.69								
INVG HZ 139.0 EP 17:02 32.04						0.51								
INVG HE 139.0 ES 17:02 48.52						0.39								
March 13 2015							March 14 2015							
							Time: 20:53 55.1 UTC							
Lat: 56.789N							Lat: 57.385N							
Lon: -5.685W							Lon: -5.702W							
Grid Ref: 174.96 kmE 772.42 kmN							Depth: 3.2 km							
RMS: 0.10 secs							Grid Ref: 177.53 kmE 838.76 kmN							
Locality: ACHARACLE,HIGHLAND							RMS: 0.10 secs							
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							Locality: PLOCKTON,HIGHLAND							
Comment: FELT KINLOCHMOIDART							Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							
Intensity: 2							Comment: 5KM NW OF PLOCKTON							
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							March 15 2015							
KPL HZ 61.3 EP 12:28 07.95							Time: 00:12 04.9 UTC							
KPL HE 61.3 ES 12:28 15.32							Lat: 57.377N							
KPL HN 61.3 IAML 12:28 19.28							Lat: -5.665W							
KPL HE 61.3 IAML 12:28 19.39							Grid Ref: 179.70 kmE 837.75 kmN							
LAWE HZ 61.5 EP 12:28 07.99							RMS: 0.20 secs							
LAWE HE 61.5 ES 12:28 15.43							Locality: PLOCKTON,HIGHLAND							
LAWE HN 61.5 IAML 12:28 15.54							Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							
LAWE HE 61.5 IAML 12:28 15.58							Comment: 4KM NW OF PLOCKTON							
EAB EZ 107.0 EP 12:28 14.80							March 15 2015							
INVG HZ 109.0 EP 12:28 15.37							Time: 00:12 04.9 UTC							
INVG HN 109.0 IAML 12:28 30.45							Lat: 57.377N							
INVG HE 109.0 IAML 12:28 30.60							Lat: -5.665W							
ELO EZ 126.0 EP 12:28 17.91							Grid Ref: 179.70 kmE 837.75 kmN							
March 13 2015							RMS: 0.20 secs							
							Locality: PRUDHOE,NORTHUMBERLAND							
							Velocity model: Lownet Xnear: 150.0 Xfar: 300.0							
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							March 15 2015							
EDMD HZ 17.6 EP 17:03 56.14							Time: 00:12 04.9 UTC							
EDMD HN 17.6 ES 17:03 58.46							Lat: 57.377N							
							Lat: -5.665W							
							Grid Ref: 179.70 kmE 837.75 kmN							
							RMS: 0.20 secs							
							Locality: PRUDHOE,NORTHUMBERLAND							
							Velocity model: Lownet Xnear: 150.0 Xfar: 300.0							
							March 15 2015							
							Time: 00:12 04.9 UTC							
							Lat: 57.377N							
							Lat: -5.665W							
							Grid Ref: 179.70 kmE 837.75 kmN							
							RMS: 0.20 secs							
							Locality: PRUDHOE,NORTHUMBERLAND							
							Velocity model: Lownet Xnear: 150.0 Xfar: 300.0							
							March 15 2015							
							Time: 00:12 04.9 UTC							
							Lat: 57.377N							
							Lat: -5.665							

TABLE 2 : PHASE DATA

INVG HE 145.0 IAML 00:12 47.23 1 0.23	WLF1 HN 14.2 IAML 23:43 55.22 5 0.26
March 15 2015 Time: 12:06 06.1 UTC Magnitude: 0.5 ML	YRC EZ 19.6 EP 23:43 54.20 0.03
Lat: 57.374N Lon: -5.721W Depth: 4.4 km	
Grid Ref: 176.32 kmE 837.60 kmN RMS: 0.20 secs	
Locality: PLOCKTON,HIGHLAND	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0	
Comment: 5KM NW OF PLOCKTON	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
KPL HZ 5.7 IP C 12:06 07.49 -0.09	KPL HZ 41.1 EP 11:12 50.90 0.04
KPL HE 5.7 ES 12:06 08.52 -0.16	KPL HE 41.1 ES 11:12 56.04 -0.21
KPL HN 5.7 IAML 12:06 08.61 58 0.10	KPL HE 41.1 IAML 11:12 56.38 4 0.17
KPL HE 5.7 IAML 12:06 08.67 42 0.18	KPL HN 41.1 IAML 11:12 56.57 4 0.22
LEWI HZ 110.0 EP 12:06 24.36 0.17	LAWE HZ 85.2 EP 11:12 57.93 0.21
LEWI HN 110.0 ES 12:06 37.26 -0.16	LAWE HE 85.2 ES 11:13 07.78 -0.34
LEWI HE 110.0 IAML 12:06 37.62 2 0.36	LAWE HE 85.2 IAML 11:13 07.89 5 0.17
LEWI HN 110.0 IAML 12:06 39.18 2 0.36	LAWE HN 85.2 IAML 11:13 08.20 5 0.14
LAWE HZ 126.0 EP 12:06 26.71 0.08	INVG HZ 126.0 EP 11:13 04.42 0.27
LAWE HN 126.0 ES 12:06 41.53 -0.11	INVG HN 126.0 ES 11:13 19.40 0.17
INVG HZ 147.0 EP 12:06 30.27 0.53	LEWI HZ 143.0 EP 11:13 06.64 0.10
INVG HN 147.0 ES 12:06 47.41 0.40	LEWI HE 143.0 ES 11:13 23.53 0.15
INVG HN 147.0 IAML 12:06 48.37 1 0.14	LEWI HE 143.0 IAML 11:13 24.45 4 0.29
INVG HE 147.0 IAML 12:06 48.40 1 0.19	LEWI HN 143.0 IAML 11:13 25.33 3 0.16
March 16 2015 Time: 23:16 02.2 UTC Magnitude: 1.0 ML	
Lat: 57.306N Lon: -5.588W Depth: 5.4 km	
Grid Ref: 183.91 kmE 829.61 kmN RMS: 0.40 secs	
Locality: PLOCKTON,HIGHLAND	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0	
Comment: 5KM SE OF PLOCKTON	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
KPL HZ 5.3 EP 23:16 04.31 0.07	KPL HN 40.1 ES 05:42 03.40 -0.14
KPL HN 5.3 ES 23:16 05.64 -0.08	KPL HE 40.1 IAML 05:42 03.92 3 0.19
KPL HE 5.3 IAML 23:16 05.96 73 0.11	KPL HN 40.1 IAML 05:42 04.23 2 0.21
KPL HN 5.3 IAML 23:16 06.00 38 0.23	KAC EZ 64.5 IP D 05:42 02.35 0.15
KAC EZ 27.6 EP 23:16 07.53 0.14	KAC EZ 64.5 ES 05:42 09.85 -0.29
KAC EZ 27.6 ES 23:16 10.93 -0.24	LAWE HZ 84.8 EP 05:42 05.50 0.17
LAWE HZ 117.0 EP 23:16 21.72 0.52	LAWE HN 84.8 ES 05:42 15.09 -0.47
LAWE HN 117.0 ES 23:16 34.30 -0.76	LAWE HE 84.8 IAML 05:42 15.41 3 0.12
LAWE HE 117.0 IAML 23:16 36.25 7 0.28	LAWE HN 84.8 IAML 05:42 15.76 3 0.11
LAWE HN 117.0 IAML 23:16 36.57 12 0.33	INVG HZ 125.0 EP 05:42 12.11 0.60
LEWI HZ 121.0 EP 23:16 21.68 -0.04	INVG HN 125.0 ES 05:42 26.44 0.19
LEWI HN 121.0 IAML 23:16 36.75 3 0.22	INVG HN 125.0 IAML 05:42 27.47 1 0.10
LEWI HE 121.0 IAML 23:16 36.97 3 0.27	INVG HE 125.0 IAML 05:42 27.73 2 0.22
INVG HZ 136.0 EP 23:16 24.29 0.38	LEWI HZ 144.0 EP 05:42 14.24 0.00
INVG HN 136.0 IAML 23:16 41.04 2 0.11	LEWI HN 144.0 ES 05:42 31.17 0.19
INVG HE 136.0 IAML 23:16 41.58 2 0.07	
EAB EZ 146.0 EP 23:16 25.94 0.56	
March 17 2015 Time: 06:24 16.3 UTC Magnitude: 0.6 ML	
Lat: 55.756N Lon: -5.280W Depth: 7.7 km	
Grid Ref: 194.21 kmE 656.27 kmN RMS: 0.10 secs	
Locality: ARRAN,NORTH AYRSHIRE	
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0	
Comment: OFFSHORE LOCATION	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
LAWE HZ 56.6 EP 06:24 25.97 0.00	KESW HZ 36.0 EP 11:46 30.19 0.13
LAWE HN 56.6 ES 06:24 32.77 -0.24	KESW HE 36.0 ES 11:46 34.64 -0.17
CLGH HZ 91.5 EP 06:24 31.61 0.21	KESW HN 36.0 IAML 11:46 35.28 160 0.58
CLGH HE 91.5 ES 06:24 42.40 -0.01	IOMK HZ 94.7 EP 11:46 39.50 0.38
CLGH HE 91.5 IAML 06:24 44.65 4 0.71	IOMK HN 94.7 ES 11:46 50.22 -0.26
CLGH HN 91.5 IAML 06:24 45.25 3 0.37	IOMK HE 94.7 IAML 11:46 52.08 49 0.38
NEWG HZ 97.3 EP 06:24 32.41 0.13	IOMK HN 94.7 IAML 11:46 52.17 57 0.20
NEWG HN 97.3 ES 06:24 43.84 -0.08	EDMD HZ 97.5 EP 11:46 39.77 0.24
NEWG HN 97.3 IAML 06:24 46.90 1 0.14	EDMD HE 97.5 ES 11:46 50.88 -0.30
NEWG HE 97.3 IAML 06:24 46.90 2 0.37	EDMD HN 97.5 IAML 11:46 51.81 90 0.18
GALL HZ 105.0 EP 06:24 33.48 -0.04	EDMD HN 97.5 IAML 11:46 52.64 92 0.20
GALL HE 105.0 ES 06:24 45.89 -0.19	WIM EZ 103.0 EP 11:46 40.57 0.17
GALL HE 105.0 IAML 06:24 48.46 2 0.09	HPK HZ 103.0 EP 11:46 40.66 0.21
GALL HN 105.0 IAML 06:24 49.01 3 0.44	HPK HE 103.0 ES 11:46 52.48 -0.30
INVG HZ 107.0 EP 06:24 34.00 0.15	HPK HE 103.0 IAML 11:46 55.65 68 0.16
INVG HN 107.0 ES 06:24 46.73 0.08	HPK HN 103.0 IAML 11:46 56.01 82 0.20
INVG HN 107.0 IAML 06:24 48.97 1 0.18	ESK HZ 117.0 EP 11:46 42.61 0.09
INVG HE 107.0 IAML 06:24 49.45 1 0.43	ESK HE 117.0 ES 11:46 56.34 -0.02
March 18 2015 Time: 23:43 50.8 UTC Magnitude: 0.3 ML	ESK HE 117.0 IAML 11:46 57.74 30 0.44
Lat: 53.412N Lon: -4.456W Depth: 3.2 km	ESK HN 117.0 IAML 11:46 58.41 23 0.16
Grid Ref: 236.78 kmE 393.42 kmN RMS: 0.00 secs	
Locality: CEMAES,ANGLESEY	
Velocity model: Lleyn Xnear: 80.0 Xfar: 200.0	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
WPS HZ 3.1 EP 23:43 51.57 0.01	GAL1 HZ 123.0 EP 11:46 43.72 0.38
WPS HE 3.1 ES 23:43 52.09 -0.01	GAL1 HN 123.0 ES 11:46 57.29 -0.49
WPS HN 3.1 IAML 23:43 52.17 80 0.10	GAL1 HE 123.0 IAML 11:46 58.04 10 0.30
WPS HE 3.1 IAML 23:43 52.20 74 0.07	GAL1 HN 123.0 IAML 11:46 59.55 14 0.17
WME EZ 10.3 EP 23:43 52.67 0.02	WME EZ 124.0 EP 11:46 43.11 -0.42
WPS HZ 14.2 EP 23:43 53.20 -0.08	WPS HZ 133.0 EP 11:46 44.06 -0.61
WLF1 HE 14.2 ES 23:43 55.03 0.03	WPS HE 133.0 IAML 11:47 03.19 16 0.14
WLF1 HE 14.2 IAML 23:43 55.13 10 0.07	LBWR HE 133.0 ES 11:47 00.65 0.43
WLF1 HE 14.2 IAML 23:43 55.13 10 0.07	LBWR HE 133.0 IAML 11:47 01.95 44 0.28

TABLE 2 : PHASE DATA

LBWR	HN	133.0	IAML	11:47	03.22	35	0.20		Comment: 9KM NW OF KILLIN	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES	
WLF1	HZ	138.0	EP	11:46	45.38		-0.03		INVG HZ 26.6 EP 20:55 31.53										-0.27	
HLM1	HN	195.0	IAML	11:47	18.65	8	0.12		INVG HN 26.6 ES 20:55 35.51										0.02	
HLM1	HE	195.0	IAML	11:47	18.70	9	0.14		INVG HN 26.6 IAML 20:55 36.00										0.18	
March 21 2015				Time: 17:24	16.5 UTC	Magnitude: 1.4 ML			INVG HE 26.6 IAML 20:55 36.04										6 0.18	
Lat: 56.462N				Lon: -6.042W		Depth: 8.1 km			EAB EZ 38.5 ES 20:55 38.83										-0.09	
Grid Ref: 151.03 kmE				737.30 kmN		RMS: 0.40 secs			LAWE HZ 66.7 EP 20:55 38.16										0.03	
Locality: MULL,ARGYLL & BUTE									LAWE HE 66.7 IAML 20:55 48.76										10 0.12	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0									LAWE HE 66.7 IAML 20:55 48.86										12 0.14	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES									DRUM HZ 127.0 EP 20:55 47.15										-0.29	
LAWE HZ 45.6 EP 17:24 24.05									DRUM HN 127.0 ES 20:56 03.00										0.46	
LAWE HN 45.6 ES 17:24 29.69									DRUM HE 127.0 IAML 20:56 06.21										4 0.22	
LAWE HN 45.6 IAML 17:24 30.12				18	0.15				DRUM HN 127.0 IAML 20:56 07.22									6 0.42		
LAWE HE 45.6 IAML 17:24 30.29				14	0.08				NEWG HN 158.0 ES 20:56 11.47										1.22	
EAB EZ 110.0 EP 17:24 34.79									NEWG HN 158.0 IAML 20:56 13.89										1 0.19	
PGB1 HZ 121.0 EP 17:24 36.40									NEWG HE 158.0 IAML 20:56 14.12										2 0.18	
PGB1 HN 121.0 ES 17:24 51.16																				
PGB1 HN 121.0 IAML 17:24 52.90						8	0.14													
PGB1 HE 121.0 IAML 17:24 53.53						7	0.18													
INVG HZ 123.0 EP 17:24 36.70								0.27												
INVG HN 123.0 ES 17:24 50.81								-0.20												
INVG HN 123.0 IAML 17:24 52.54						10	0.24													
INVG HE 123.0 IAML 17:24 52.61						9	0.09													
KAC EZ 124.0 EP 17:24 36.37								-0.15												
CLGH HZ 154.0 EP 17:24 40.70								-0.05												
CLGH HE 154.0 ES 17:24 58.02								-0.47												
CLGH HE 154.0 IAML 17:25 00.85						9	0.35													
CLGH HN 154.0 IAML 17:25 01.82						13	0.20													
NEWG HZ 188.0 EP 17:24 44.91								-0.33												
ESK HZ 219.0 EP 17:24 48.75								-0.34												
March 24 2015				Time: 08:44	36.0 UTC	Magnitude: 1.1 ML														0.01
Lat: 52.145N				Lon: -3.025W		Depth: 10.1 km														0.41
Grid Ref: 329.87 kmE				250.18 kmN		RMS: 0.00 secs														0.12
Locality: KINGTON,HEREFORDSHIRE																			0.13	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																				
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES																				
MCH1 HZ 16.5 IP D 08:44 39.54								0.05												
MCH1 HE 16.5 ES 08:44 42.05								-0.02												
MCH1 HN 16.5 IAML 08:44 42.27						39	0.10													
MCH1 HE 16.5 IAML 08:44 42.29						50	0.22													
MONM HZ 37.2 IP D 08:44 42.61								-0.01												
MONM HE 37.2 ES 08:44 47.45								-0.03												
MONM HE 37.2 IAML 08:44 47.56						17	0.20													
MONM HN 37.2 IAML 08:44 47.90						8	0.13													
HLM1 HZ 42.7 EP 08:44 43.59								0.07												
HLM1 HE 42.7 ES 08:44 48.98								-0.06												
HLM1 HE 42.7 IAML 08:44 49.19						12	0.10													
HLM1 HE 42.7 IAML 08:44 49.27						24	0.18													
OLDB HZ 63.0 EP 08:44 46.55								-0.03												
STRD HZ 72.1 EP 08:44 47.98								-0.04												
STRD HE 72.1 ES 08:44 56.88								0.05												
STRD HN 72.1 IAML 08:44 56.99						27	0.40													
STRD HE 72.1 IAML 08:44 57.00						26	0.18													
March 27 2015				Time: 11:58	11.5 UTC	Magnitude: 1.9 ML														
Lat: 53.697N				Lon: -1.122W		Depth: 0.9 km														
Grid Ref: 457.96 kmE				422.67 kmN		RMS: 0.40 secs														
Locality: HENSALL,N YORKSHIRE																				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																				
Comment: C/F,FELT HENSALL						Intensity: 2														
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES																				
KPL HZ 44.0 EP 11:58 19.83								0.04												
KPL HE 44.0 ES 11:58 25.53								-0.30												
KPL HN 44.0 IAML 11:58 27.03						82	0.28													
KPL HE 44.0 IAML 11:58 28.47						106	0.30													
LWBR HZ 51.7 EP 11:58 21.19								0.07												
LWBR HE 51.7 ES 11:58 27.78								-0.34												
LWBR HN 51.7 IAML 11:58 29.30						105	0.38													
LWBR HE 51.7 IAML 11:58 30.06						62	0.46													
GDLE HZ 83.1 EP 11:58 26.53								0.57												
GDLE HE 83.1 IAML 11:58 41.25								60	0.44											
GDLE HN 83.1 IAML 11:58 41.48								97	0.30											
STNC HN 98.7 IAML 11:58 46.99								47	0.36											
STNC HE 98.7 IAML 11:58 49.66								49	0.44											
CWF HZ 107.0 EP 11:58 29.93									0.21											
CWF HE 107.0 ES 11:58 42.48									-0.51											
CWF HE 107.0 IAML 11:58 46.00								45	0.46											
CWF HE 107.0 IAML 11:58 46.68								21	0.30											
EDMD HZ 138.0 EP 11:58 34.86									0.55											
EDMD HN 138.0 IAML 11:58 53.39								30	0.30											
EDMD HE 138.0 IAML 11:58 53.44								37	0.38											
April 2 2015				Time: 16:50	45.4 UTC	Magnitude: 2.2 ML														
Lat: 56.789N				Lon: -5.566W		Depth: 11.0 km														
Grid Ref: 182.23 kmE				772.04 kmN		RMS: 0.30 secs														
Locality: STRONTIAN,HIGHLAND																				
Velocity model: Lownet Xnear: 100.0 Xfar: 300.0																				
Comment: FELT SCOTSTOWN...						Intensity: 3														
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES																				
LAWE HZ 59.8 EP 16:50 55.92																				
LAWE HE 59.8 ES 16:51 02.51																				
LAWE HN 59.8 IAML 16:51 03.17																				
LAWE HE 59.8 IAML 16:51 07.49																				
KPL HZ 61.5 EP 16:50 56.05																				

TABLE 2 : PHASE DATA

WACR	HZ	61.9	EP	06:22	04.65	-0.23	WIM	EZ	160.0	EP	02:55	52.46	-0.29	
WACR	HN	61.9	ES	06:22	12.35	-0.15	IOMK	HZ	165.0	EP	02:55	52.76	-0.64	
WACR	HN	61.9	IAML	06:22	13.69	112 0.18								
WACR	HE	61.9	IAML	06:22	14.01	118 0.28								
CWF	HZ	82.1	EP	9	06:22	06.15	-1.89							
CWF	HE	82.1	ES		06:22	15.25	-0.83							
CWF	HN	82.1	IAML	06:22	16.56	137 0.12								
CWF	HE	82.1	IAML	06:22	16.65	101 0.20								
LMK	HZ	111.0	EP	06:22	12.88	0.43								
LBWR	HZ	147.0	EP	06:22	17.73	-0.06								
LBWR	HN	147.0	ES	06:22	35.15	0.31								
LBWR	HE	147.0	IAML	06:22	37.26	59 0.37								
LBWR	HN	147.0	IAML	06:22	38.37	54 0.20								
ELSH	HZ	172.0	EP	06:22	21.13	-0.13								
HLM1	HZ	183.0	EP	06:22	22.09	-0.60								
HLM1	HN	183.0	ES	06:22	42.93	-0.39								
HLM1	HN	183.0	IAML	06:22	45.42	41 0.34								
HLM1	HE	183.0	IAML	06:22	46.25	31 0.16								
HPK	HZ	192.0	EP	06:22	24.20	0.49								
HPK	HN	192.0	IAML	06:22	51.38	30 0.46								
HPK	HE	192.0	IAML	06:22	55.33	29 0.26								
MCH1	HZ	199.0	EP	06:22	23.85	-0.79								
MCH1	HE	199.0	ES	06:22	46.58	-0.12								
MCH1	HE	199.0	IAML	06:22	49.59	16 0.20								
MCH1	HN	199.0	IAML	06:22	50.16	19 0.34								
FOEL	HZ	210.0	EP	06:22	24.99	-0.96								
April 4 2015				Time: 13:56 53.8 UTC			Magnitude: 1.7 ML							
Lat:	59.213N	Lon: -1.055W		Depth: 10.8 km			RMS: 0.20 secs							
Grid Ref:	453.95	kmE 1036.60 kmN												
Locality:	NORTHERN NORTH SEA													
Velocity model:	North Sea	Xnear: 400.0 Xfar: 600.0												
Comment:	45KM SE FAIR ISLE													
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	GAL1	HZ	161.0	EP
LRW	HZ	103.0	EP		13:57	10.15		-0.14			GAL1	HE	161.0	ES
LRW	HE	103.0	ES		13:57	22.40		0.07						
LRW	HN	103.0	IAML		13:57	23.27	12 0.18							
LRW	HE	103.0	IAML		13:57	25.37	15 0.29							
WALL	EZ	120.0	EP	9	13:57	17.13		4.16						
BIGH	HZ	183.0	EP		13:57	20.72		-0.26						
BIGH	HN	183.0	ES		13:57	41.08		0.26						
BIGH	HN	183.0	IAML		13:57	48.49	16 0.40							
BIGH	HE	183.0	IAML		13:57	51.85	16 0.28							
DRUM	HZ	270.0	EP		13:57	32.15		0.41						
DRUM	HN	270.0	ES		13:57	59.32		-0.12						
DRUM	HN	270.0	IAML		13:58	01.20	6 0.20							
DRUM	HE	270.0	IAML		13:58	01.21	6 0.10							
INVG	HE	357.0	ES		13:58	18.24		-0.05						
INVG	HE	357.0	IAML		13:58	18.94	1 0.22							
INVG	HN	357.0	IAML		13:58	19.33	1 0.22							
LAWE	HN	418.0	ES		13:58	31.14		-0.20						
April 6 2015				Time: 02:55 27.9 UTC			Magnitude: 1.5 ML							
Lat:	53.050N	Lon: -3.117W		Depth: 12.9 km										
Grid Ref:	325.13	kmE 350.92 kmN		RMS: 0.30 secs										
Locality:	COEDPOETH, WREXHAM													
Velocity model:	Lownet	Xnear: 100.0 Xfar: 200.0												
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	BIGH	HN	382.0	IAML
FOEL	HZ	18.7	IP	D	02:55	31.59		-0.36			BIGH	HE	382.0	IAML
FOEL	HN	18.7	ES		02:55	34.57		-0.35			BIGH	HN	382.0	ES
FOEL	HE	18.7	IAML		02:55	35.23	75 0.17				MCD	EN	420.0	IAML
FOEL	HN	18.7	IAML		02:55	35.24	107 0.20				MCD	EE	420.0	IAML
LLW	BZ	43.1	IP	C	02:55	35.98		0.48			MCD	EN	420.0	IAML
LLW	BN	43.1	ES		02:55	41.24		0.17			DRUM	HZ	453.0	EP
STNC	HZ	61.2	EP		02:55	38.38		0.09			DRUM	HN	453.0	ES
STNC	HN	61.2	IAML		02:55	46.20	39 0.22				DRUM	HE	453.0	IAML
STNC	HE	61.2	IAML		02:55	46.39	37 0.27				DRUM	HN	453.0	IAML
HLM1	HZ	61.2	EP		02:55	38.62		0.28			INVG	HZ	551.0	EP
HLM1	HN	61.2	ES		02:55	45.97		-0.01			INVG	HN	551.0	EP
HLM1	HE	61.2	IAML		02:55	46.48	28 0.28							
HLM1	HN	61.2	IAML		02:55	46.84	11 0.11							
WME	EZ	88.1	EP		02:55	42.73		0.30						
WLF1	HZ	89.6	EP		02:55	42.97		0.32						
WLF1	HN	89.6	ES		02:55	52.96		-0.48						
WLF1	HE	89.6	IAML		02:55	55.79	26 0.12							
WLF1	HN	89.6	IAML		02:55	55.84	32 0.34							
WPS	HZ	100.0	EP		02:55	44.19		-0.02						
WPS	HE	100.0	ES		02:55	55.97		-0.16						
WPS	HN	100.0	IAML		02:55	57.99	8 0.14							
WPS	HE	100.0	IAML		02:55	58.04	16 0.28							
LBWR	HZ	101.0	EP		02:55	44.15		-0.22						
LBWR	HN	101.0	IAML		02:55	57.99	18 0.22							
LBWR	HE	101.0	IAML		02:55	58.06	24 0.21							
CWF	HZ	127.0	EP	9	02:55	47.42		-0.59						
CWF	HN	127.0	ES		02:56	01.63		-0.49						
CWF	HN	127.0	IAML		02:56	02.65	9 0.20							
CWF	HE	127.0	IAML		02:56	03.07	7 0.11							
HPK	HZ	142.0	EP		02:55	50.18		0.03						
HPK	HE	142.0	ES		02:56	06.60		0.19						
April 7 2015				Time: 19:03 11.7 UTC			Magnitude: 2.2 ML							
Lat:	60.305N	Lon: 1.812W		Depth: 11.2 km			RMS: 0.30 secs							
Grid Ref:	610.56	kmE 1163.90 kmN												
Locality:	NORTHERN NORTH SEA													
Velocity model:	North Sea	Xnear: 400.0 Xfar: 600.0												
Comment:	160KM EAST LERWICK													
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	BIGH	HN	382.0	ES
LRW	HZ	167.0	EP		19:03	36.32					BIGH	HE	382.0	IAML
LRW	HN	167.0	ES		19:03	54.20					BIGH	HN	382.0	EP
LRW	HE	167.0	IAML		19:03	56.28	32 0.28							
LRW	HE	167.0	IAML		19:03	57.24	64 0.28							
WAL1	EZ	190.0	EP	9	19:03	44.51								
BER	HN	195.0	ES		19:04	00.20								
BER	HE	195.0	IAML		19:04	02.08	9 0							

TABLE 2 : PHASE DATA

EDMD	HN	139.0	IAML	23:49	18.93	8	0.20		LBWR	HE	70.5	ES	06:51	21.63	0.00		
EDMD	HE	139.0	IAML	23:49	19.09	5	0.46	0.38	LBWR	HE	70.5	IAML	06:51	23.03	10 0.38		
FOEL	HE	165.0	ES	23:49	24.27				LBWR	HN	70.5	IAML	06:51	23.32	10 0.48		
FOEL	HN	165.0	IAML	23:49	25.12	8	0.48		HPK	HZ	104.0	EP	06:51	18.43	0.29		
FOEL	HE	165.0	IAML	23:49	25.56	5	0.34	0.34	HPK	HN	104.0	ES	06:51	30.55	0.00		
HLM1	HN	176.0	ES	23:49	26.89				HPK	HN	104.0	IAML	06:51	32.17	8 0.18		
HLM1	HE	176.0	IAML	23:49	29.51	7	0.34		HPK	HE	104.0	IAML	06:51	33.11	8 0.26		
HLM1	HN	176.0	IAML	23:49	29.54	3	0.48	1.25	WLF1	HZ	108.0	EP	06:51	18.83	0.07		
LLW	BN	194.0	ES	23:49	31.63				WLF1	HN	108.0	ES	06:51	31.64	0.01		
									WLF1	HN	108.0	IAML	06:51	33.56	7 0.36		
April 10 2015				Time: 05:05	36.6	UTC	Magnitude: 0.8	ML	WLF1	HE	108.0	IAML	06:51	34.51	6 0.09		
Lat: 49.420N				Lat:	-2.714W		Depth:	6.0 km	WPS	HZ	115.0	EP	06:51	19.87	0.04		
Grid Ref: 348.22				kmE	-53.07	kmN	RMS:	0.10	secs	WPS	HN	115.0	ES	06:51	33.66	0.19	
Locality: GUERNSEY, CHANNEL ISLES							WPS	HE	115.0	IAML	06:51	34.40	4 0.19				
Velocity model: Lownet				Xnear:	100.0	Xfar:	200.0		WPS	HN	115.0	IAML	06:51	34.59	4 0.18		
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES									KESW	HZ	143.0	EP	06:51	23.66	-0.25		
JVM EZ 43.2 EP 05:05 44.20									KESW	HE	143.0	ES	06:51	40.20	-0.33		
JVM EZ 43.2 ES 05:05 49.87									KESW	HE	143.0	IAML	06:51	40.54	6 0.36		
JSA HZ 47.1 EP 9 05:05 43.83									KESW	HN	143.0	IAML	06:51	41.41	3 0.22		
JSA HN 47.1 ES 05:05 49.86									IOMK	HZ	158.0	EP	06:51	25.53	-0.50		
JSA HN 47.1 IAML 05:05 50.33						4	0.12		EDMD	HE	176.0	ES	06:51	48.40	-0.03		
JSA HE 47.1 IAML 05:05 50.88						4	0.17										
JLP EZ 48.2 EP 05:05 45.11									April 20 2015			Time: 14:24	24.8	UTC	Magnitude: 1.5	ML	
JLP EZ 48.2 ES 05:05 51.13									Lat: 56.150N			Lat:	-5.342W		Depth:	3.5 km	
JRS EZ 51.8 EP 05:05 45.59									Grid Ref: 192.44			kmE	700.28	kmN	RMS:	0.20	secs
JRS EE 51.8 ES 05:05 52.14									Locality: KILMARTIN, ARGYLL/BUTE								
JRS EN 51.8 IAML 05:05 52.50						13	0.16		Velocity model: Lownet			Xnear:	75.0	Xfar:	149.0		
JRS EE 51.8 IAML 05:05 52.69						13	0.09		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES								
JQE EZ 54.9 EP 05:05 46.09									LAWE	HZ	12.7	IP	C	14:24	27.56	-0.04	
JQE EZ 54.9 ES 05:05 53.08									LAWE	HE	12.7	ES		14:24	29.69	0.02	
DYA HN 143.0 ES 05:06 16.30									LAWE	HE	12.7	IAML		14:24	30.15	103 0.22	
DYA HN 143.0 IAML 05:06 16.70						3	0.16		LAWE	HN	12.7	IAML		14:24	31.46	189 0.33	
DYA HE 143.0 IAML 05:06 16.95						2	0.21		CLGH	HZ	128.0	EP		14:24	46.29	0.19	
									CLGH	HN	128.0	ES		14:25	01.57	-0.10	
April 13 2015				Time: 22:08	26.5	UTC	Magnitude: 1.1	ML									
Lat: 52.096N				Lat:	-2.587W		Depth:	13.2 km									
Grid Ref: 359.79				kmE	244.39	kmN	RMS:	0.20	secs								
Locality: HEREFORD, HEREFORDSHIRE																	
Velocity model: Mid Wales				Xnear:	100.0	Xfar:	200.0										
Comment: 8KM NE HEREFORD																	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES																	
MCH1 HZ 30.3 IP C 22:08 32.29								0.17									
MCH1 HN 30.3 ES 22:08 35.96								-0.22									
MCH1 HE 30.3 IAML 22:08 36.08						35	0.10										
MCH1 HN 30.3 IAML 22:08 36.26						48	0.29										
HLM1 HZ 51.0 IP C 22:08 35.70								0.26									
HLM1 HE 51.0 ES 22:08 41.84								-0.05									
HLM1 HN 51.0 IAML 22:08 42.02						9	0.11										
HLM1 HE 51.0 IAML 22:08 42.05						22	0.16										
FOEL HZ 97.6 EP 22:08 42.35								-0.23									
CWF HZ 113.0 EP 22:08 44.74								-0.07									
RSBS HZ 149.0 EP 22:08 50.43								0.14									
RSBS HE 149.0 ES 22:09 07.76								0.33									
RSBS HN 149.0 IAML 22:09 09.00						3	0.15										
RSBS HE 149.0 IAML 22:09 09.12						3	0.09										
DYA HZ 207.0 EP 22:08 58.05								0.45									
DYA HN 207.0 ES 22:09 20.59								0.58									
April 16 2015				Time: 00:05	24.4	UTC	Magnitude: 0.9	ML									
Lat: 53.357N				Lat:	-0.698W		Depth:	9.5 km									
Grid Ref: 486.64				kmE	385.28	kmN	RMS:	0.30	secs								
Locality: GAINSBOROUGH, LINCS																	
Velocity model: Lownet				Xnear:	100.0	Xfar:	200.0										
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES																	
LMK HZ 27.1 EP 00:05 29.27								-0.19									
LMK HN 27.1 ES 00:05 33.37								0.20									
LBWR HZ 68.5 EP 00:05 36.18								0.28									
LBWR HE 68.5 ES 00:05 44.66								0.34									
LBWR HN 68.5 IAML 00:05 45.37						8	0.11										
LBWR HE 68.5 IAML 00:05 46.35						8	0.11										
CWF HZ 80.1 EP 00:05 37.37								-0.29									
CWF HN 80.1 ES 00:05 47.29								-0.08									
CWF HE 80.1 IAML 00:05 47.55						3	0.13										
CWF HE 80.1 IAML 00:05 47.91						3	0.12										
HPK HE 90.7 ES 00:05 49.87								-0.36									
HPK HN 90.7 IAML 00:05 51.68						4	0.18										
HPK HE 90.7 IAML 00:05 52.54						5	0.18										
WACR HZ 113.0 EP 00:05 42.94								0.13									
April 17 2015				Time: 06:51	01.1	UTC	Magnitude: 1.1	ML									
Lat: 53.323N				Lat:	-2.775W		Depth:	7.5 km									
Grid Ref: 348.38				kmE	380.99	kmN	RMS:	0.20	secs								
Locality: RUNCORN, CHESHIRE																	
Velocity model: Lownet				Xnear:	100.0	Xfar:	200.0										
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES																	
FOEL HZ 56.0 EP 06:51 10.41								-0.34									
FOEL HE 56.0 ES 06:51 17.90								0.13									
FOEL HE 56.0 IAML 06:51 20.08						7	0.50										
FOEL HN 56.0 IAML 06:51 21.64						4	0.23										
April 27 2015				Time: 18:31	04.4	UTC	Magnitude: 0.7	ML									
Lat: 55.387N				Lat:	-3.015W		Depth:	2.8 km									
Grid Ref: 335.71				kmE	610.81	kmN	RMS:	0.10	secs								
Locality: CRAIK, BORDERS																	
Velocity model: Lownet				Xnear:	75.0	Xfar:	150.0										
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES																	
ESK BZ 14.3 EP 18:31 07.57																	
ESK B1 14.3 ES 18:31 09.70																	
EGL EZ 43.0 EP 18:31 12.42																	
NEWG HE 82.9 EP 18:31 18.55																	
NEWG HZ 82.9 IAML 18:31 30.86																	

TABLE 2 : PHASE DATA

NEWG	HN	82.9	IAML	18:31	31.71	2	0.11		WLF1	HZ	138.0	EP	18:55	54.57	-0.08	
KESW	HZ	89.0	EP	18:31	19.75		0.14		WLF1	HN	138.0	ES	18:56	11.21	0.04	
EDMD	HZ	91.3	EP	18:31	19.67		-0.24		WLF1	HN	138.0	IAML	18:56	11.66	12 0.40	
EDMD	HN	91.3	ES	18:31	31.29		0.08		WLF1	HE	138.0	IAML	18:56	11.68	15 0.44	
EDMD	HN	91.3	IAML	18:31	33.03	4	0.10									
EDMD	HE	91.3	IAML	18:31	33.22	6	0.15									
GAL1	HZ	123.0	EP	18:31	25.02		0.22									
May 6 2015 Time: 13:25 10.1 UTC Magnitude: 1.3 ML																
Lat: 56.559N	Lon:	-5.553W							Lat: 56.670N	Lon:	-4.492W					
Grid Ref: 181.69 kmE		746.42 kmN							Grid Ref: 247.31 kmE		755.90 kmN					
Locality: MORVERN,HIGHLAND									RMS: 0.30 secs							
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0									Locality: LOCH RANNOCH,PERTHSHIRE							
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES									Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							
LAWE HZ 34.6 IP C 13:25 16.42									STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
LAWE HE 34.6 ES 13:25 21.19									INVG HZ 38.6 EP 06:02 28.80							
LAWE HE 34.6 IAML 13:25 21.40						43	0.18		INVG HN 38.6 ES 06:02 33.33							
LAWE HN 34.6 IAML 13:25 21.54						34	0.14		INVG HE 38.6 IAML 06:02 33.40		15	0.14				
INVG HZ 94.1 EP 13:25 25.81							0.06		INVG HN 38.6 IAML 06:02 33.50		15	0.28				
INVG HE 94.1 ES 13:25 37.14							-0.03		LAWE HZ 72.2 EP 06:02 34.31						0.33	
INVG HE 94.1 IAML 13:25 39.29						12	0.10		LAWE HE 72.2 IAML 06:02 46.80		26	0.28				
INVG HN 94.1 IAML 13:25 39.32						10	0.30		LAWE HE 72.2 IAML 06:02 46.83		13	0.14				
CLGH HZ 168.0 EP 13:25 36.85							0.14		KPL HZ 103.0 EP 06:02 38.90						0.23	
CLGH HE 168.0 ES 13:25 56.05							-0.08		KPL HE 103.0 ES 06:02 50.78						-0.36	
CLGH HN 168.0 IAML 13:25 59.01						6	0.24		KPL HE 103.0 IAML 06:02 52.19		8	0.20				
CLGH HE 168.0 IAML 13:25 59.37						7	0.27		KPL HE 103.0 IAML 06:02 52.19		7	0.19				
DRUM HN 126.0 ES 06:02 57.72									KAC EZ 104.0 EP 06:02 38.88						-0.11	
DRUM HN 126.0 IAML 06:02 59.66									DRUM HN 126.0 IAML 06:02 59.66		13	0.14			0.36	
DRUM HE 126.0 IAML 06:02 59.83									DRUM HE 126.0 IAML 06:02 59.83		10	0.12				
May 11 2015 Time: 02:16 49.2 UTC Magnitude: 1.4 ML									May 12 2015 Time: 22:13 51.4 UTC Magnitude: 0.4 ML							
Lat: 55.091N	Lon:	-3.668W							Lat: 52.999N	Lon:	-2.413W					
Grid Ref: 293.56 kmE		578.67 kmN							Grid Ref: 372.29 kmE		344.74 kmN					
Locality: DUMFRIES,D & G									Locality: AUDLEM,CHESTER EAST							
Velocity model: Borders Xnear: 100.0 Xfar: 200.0									Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES									Comment: 7KM ENE AUDLEM							
NEWG HZ 36.0 EP 02:16 55.91							0.08		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
NEWG HN 36.0 ES 02:17 00.19							-0.33		STNC HZ 17.2 IP C 22:13 54.95						0.02	
NEWG HN 36.0 IAML 02:17 00.47						63	0.21		STNC HN 17.2 ES 22:13 57.52						0.00	
NEWG HE 36.0 IAML 02:17 00.58						45	0.19		STNC HE 17.2 IAML 22:13 57.84		14	0.18				
KESW HZ 66.6 EP 02:17 00.80							-0.04		STNC HE 17.2 IAML 22:13 57.96		8	0.12				
KESW HN 66.6 ES 02:17 09.11							0.03		FOEL HZ 54.3 EP 22:14 00.54						-0.22	
KESW HE 66.6 IAML 02:17 09.43						6	0.16		FOEL HE 54.3 ES 22:14 07.74						0.13	
KESW HN 66.6 IAML 02:17 12.74						10	0.15		HLM1 HZ 62.1 EP 22:14 02.16						0.18	
GAL1 HZ 71.3 EP 02:17 01.49							-0.08		HLM1 HE 62.1 ES 22:14 09.60						-0.10	
GAL1 HN 71.3 ES 02:17 10.05							-0.29		LBWR HZ 64.2 EP 22:14 02.28						0.00	
GAL1 HN 71.3 IAML 02:17 11.17						15	0.23									
GAL1 HE 71.3 IAML 02:17 14.22						12	0.13									
PGB1 HZ 95.4 EP 02:17 05.64							0.14									
PGB1 HE 95.4 ES 02:17 17.36							0.30									
PGB1 HE 95.4 IAML 02:17 20.11						14	0.36									
PGB1 HN 95.4 IAML 02:17 20.66						24	0.43									
EDI HZ 97.5 EP 02:17 05.82							-0.02									
IOMK HZ 109.0 EP 02:17 07.62							-0.11									
IOMK HN 109.0 ES 02:17 21.39							0.53									
IOMK HN 109.0 IAML 02:17 23.15						12	0.11									
IOMK HE 109.0 IAML 02:17 23.26						8	0.15									
EDMD HZ 113.0 EP 02:17 08.60							0.26									
EDMD HN 113.0 ES 02:17 21.67							-0.24									
EDMD HN 113.0 IAML 02:17 23.24						31	0.13									
EDMD HE 113.0 IAML 02:17 23.47						30	0.16									
ESY EZ 114.0 EP 02:17 08.09							-0.40									
INVG HZ 151.0 EP 02:17 14.36							0.40									
LAWE HZ 170.0 EP 02:17 16.83							0.52									
ESK HZ 107.0 EP 12:38 56.25																
ESK HN 107.0 ES 12:39 09.11																
ESK HE 107.0 IAML 12:39 10.13												6	0.26			
NEWG HZ 111.0 EP 12:38 56.82																
NEWG HN 111.0 ES 12:39 10.06																
NEWG HE 111.0 IAML 12:39 11.32												8	0.10			
GAL1 HN 118.0 ES 12:39 11.60																
GAL1 HE 118.0 IAML 12:39 12.49												5	0.18			
GAL1 HN 118.0 IAML 12:39 12.80												11	0.12			
LBWR HE 140.0 ES 12:39 17.82																
LBWR HE 140.0 IAML 12:39 21.62												21	0.34			
LBWR HN 140.0 IAML 12:39 22.86												19	0.26			
May 14 2015 Time: 12:38 38.3 UTC Magnitude: 1.4 ML									May 14 2015 Time: 20:35 35.2 UTC Magnitude: 1.4 ML							
Lat: 54.354N	Lon:	-3.111W							Lat: 50.504N	Lon:	-5.280W					
Grid Ref: 340.71 kmE		473.53 kmN							Grid Ref: 167.45 kmE		72.34 kmN					
Locality: KENTS BANK,CUMBRIA									Locality: NEWQUAY,CORNWALL							
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0									Velocity model: Lownet Xnear: 100.0 Xfar: 250.0							
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES									Comment: 17KM NW NEWQUAY							
KESW HZ 50.0 EP 18:55 41.23							0.06		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
KESW HE 50.0 ES 18:55 47.59							-0.25		CCA1 HZ 35.5 EP 20:35 41.72							
KESW HN 50.0 IAML 18:55 48.35						17	0.54		CCA1 HE 35.5 ES 20:35 45.99							
KESW HE 50.0 IAML 18:55 48.86						19	0.52		CCA1 HE 35.5 IAML 20:35 46.17		30	0.21				
HPK HE 86.9 ES 18:55 57.97							0.24		CCA1 HN 35.5 IAML 20:35 50.77		22	0.08				
HPK HN 86.9 IAML 18:56 00.19						30	0.20		SBD BZ 42.7 EP 20:35 43.05							
HPK HE 86.9 IAML 18:56 01.56						26	0.22		SBD BE 42.7 ES 20:35 48.09							
EDMD HE 97.1 ES 18:56 00.41							0.01									
EDMD HE 97.1 IAML 18:56 01.67						66	0.20									
EDMD HN 97.1 IAML 18:56 03.47						66	0.24									
LBWR HZ 114.0 EP 18:55 51.03							-0.15									
LBWR HE 114.0 ES 18:56 04.90							-0.27									
LBWR HE 114.0 IAML 18:56 07.50						26	0.20									
LBWR HN 114.0 IAML 18:56 08.61						26	0.26									
WME EZ 125.0 EP 18:55 52.72							-0.01									
WPS HZ 134.0 EP 18:55 54.27							0.09									
WPS HN 134.0 ES 18:56 10.42							0.07									
NEWG HZ 137.0 EP 18:55 54.86							0.26									

TABLE 2 : PHASE DATA

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NEWG	HZ	568.0	EP	01:53	32.41	-1.57	LAWE	HE	152.0	IAML	15:24	54.38	2	0.19				
May 22 2015				Time: 20:08 21.5 UTC		Magnitude: 0.7 ML	May 26 2015				Time: 01:35 50.5 UTC		Magnitude: 0.8 ML					
Lat: 55.153N				Lon: -3.670W		Depth: 5.8 km	Lat: 52.704N				Lon: -0.734W		Depth: 3.1 km					
Grid Ref: 293.59 kmE				585.57 kmN		RMS: 0.20 secs	Grid Ref: 485.53 kmE				312.60 kmN		RMS: 0.30 secs					
Locality: DUMFRIES, D & G							Locality: OAKHAM, RUTLAND											
Velocity model: Lownet				Xnear: 50.0 Xfar: 100.0			Velocity model: Lownet				Xnear: 100.0 Xfar: 200.0							
Comment: 10KM N OF DUMFRIES								STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES	
ESK	HZ	34.7	IP	C	20:08	27.93		CWF	HZ	39.0	EP	9	01:35	55.80			-1.82	
ESK	HE	34.7	ES		20:08	32.43		CWF	HN	39.0	ES		01:36	00.62			-0.37	
ESK	HE	34.7	IAML		20:08	33.39	10	0.20	CWF	HE	39.0	IAML		01:36	00.83	4	0.11	
ESK	HN	34.7	IAML		20:08	33.41	6	0.25	CWF	HN	39.0	IAML		01:36	00.89	8	0.10	
NEWG	HZ	36.0	IP	D	20:08	28.36		WACR	HZ	92.1	EP		01:36	05.96			0.02	
NEWG	HN	36.0	ES		20:08	32.59		WACR	HN	92.1	ES		01:36	17.07			-0.13	
NEWG	HN	36.0	IAML		20:08	32.93	14	0.21	WACR	HN	92.1	IAML		01:36	17.80	4	0.15	
NEWG	HE	36.0	IAML		20:08	33.03	9	0.20	WACR	HE	92.1	IAML		01:36	18.28	4	0.61	
KESW	HZ	72.5	EP		20:08	33.48		LBWR	HZ	102.0	EP		01:36	07.42			-0.14	
GAL1	HZ	73.9	EP		20:08	34.09		LBWR	HE	102.0	ES		01:36	20.15			0.14	
								LBWR	HE	102.0	IAML		01:36	23.16	3	0.13		
								LBWR	HN	102.0	IAML		01:36	23.61	7	0.28		
May 24 2015				Time: 06:17 30.8 UTC		Magnitude: 0.6 ML	HLM1	HZ	147.0	EP		01:36	14.90			0.58		
Lat: 56.828N				Lon: -5.905W		Depth: 7.5 km	HLM1	HN	147.0	ES		01:36	31.29			-0.42		
Grid Ref: 161.78 kmE				777.51 kmN		RMS: 0.30 secs	HLM1	HN	147.0	IAML		01:36	31.96	2	0.19			
Locality: SMIRISARY, HIGHLAND							HLM1	HE	147.0	IAML		01:36	33.85	2	0.19			
Velocity model: Lownet				Xnear: 100.0 Xfar: 200.0			MCH1	HZ	173.0	EP		01:36	18.43			0.41		
Comment: OFFSHORE SMIRISARY							MCH1	HE	173.0	ES		01:36	38.63			0.53		
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES									
KPL	HZ	58.9	EP	06:17	40.79		0.05											
KPL	HE	58.9	ES	06:17	47.65		-0.37											
KPL	HE	58.9	IAML	06:17	47.94	6	0.28	May 26 2015			Time: 15:41 03.8 UTC		Magnitude: 3.0 ML					
KPL	HN	58.9	IAML	06:17	49.10	2	0.21	Lat: 53.116N			Lon: -4.358W		Depth: 9.7 km					
LAWE	HZ	70.5	EP	06:17	42.71		0.16	Grid Ref: 242.21 kmE			360.28 kmN		RMS: 0.40 secs					
LAWE	HN	70.5	ES	06:17	50.77		-0.39	Locality: CAERNARFON, GWYNEDD										
LAWE	HE	70.5	IAML	06:17	50.88	3	0.15	Velocity model: Lleyn			Xnear: 100.0 Xfar: 200.0							
LAWE	HN	70.5	IAML	06:17	50.97	3	0.25	Comment: FELT ANGLESEY...					Intensity: 3					
KAC	EZ	83.2	EP	06:17	44.56		0.02	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES	
MDO	EZ	116.0	EP	06:17	49.64		0.03	YLL	EZ	12.8	IP	C	15:41	07.10			0.55	
INVG	HZ	123.0	EP	06:17	51.06		0.40	YLL	EZ	12.8	ES		15:41	08.49			0.07	
INVG	HE	123.0	IAML	06:17	52.27	1	0.09	WLF1	HZ	19.4	IP	C	15:41	07.44			-0.04	
INVG	HN	123.0	ES	06:18	05.45		0.26	WLF1	HE	19.4	ES		15:41	09.79			-0.20	
INVG	HN	123.0	IAML	06:18	06.05	4	0.29	WLF1	HN	19.4	IAML		15:41	09.89	5634	0.10		
LEWI	HN	158.0	ES	06:18	14.57		0.71	WLF1	HE	19.4	IAML		15:41	09.96	11905	0.17		
CLGH	HN	195.0	ES	06:18	21.73		-0.42	YRC	EZ	20.9	IP	D	15:41	07.57			-0.13	
May 24 2015				Time: 12:34 56.1 UTC		Magnitude: 0.8 ML	WME	EZ	31.4	ES		15:41	13.10			-0.03		
Lat: 51.257N				Lon: -3.442W		Depth: 7.2 km	WPS	HZ	33.0	EP		15:41	09.58			-0.02		
Grid Ref: 299.39 kmE				151.92 kmN		RMS: 0.30 secs	WPS	HE	33.0	ES		15:41	13.24			-0.30		
Locality: BRISTOL CHANNEL							WPS	HE	33.0	IAML		15:41	13.50	1534	0.11			
Velocity model: Lownet				Xnear: 100.0 Xfar: 200.0			WPS	HN	33.0	IAML		15:41	14.05	1014	0.16			
Comment: 6KM NNE MINEHEAD							FOEL	HZ	81.7	IP	D	15:41	16.84			-0.65		
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES									
HTL	HZ	78.6	EP		12:35	09.04	-0.15	FOEL	HN	81.7	ES		15:41	26.44			-0.36	
MCH1	HZ	87.9	EP		12:35	10.50	-0.15	FOEL	HE	81.7	IAML		15:41	27.20	412	0.14		
MCH1	HE	87.9	ES		12:35	21.05	-0.19	FOEL	HE	81.7	IAML		15:41	27.52	560	0.38		
MCH1	HN	87.9	IAML		12:35	21.40	3	0.32	WIM	EZ	117.0	EP		15:41	23.20			0.34
MCH1	HE	87.9	IAML		12:35	21.61	2	0.11	HLM1	HZ	120.0	EP		15:41	24.06			0.72
DYA	HZ	97.7	EP		12:35	12.55	0.37	HLM1	HE	120.0	IAML		15:41	41.57	126	0.24		
DYA	HE	97.7	ES		12:35	23.61	-0.29	HLM1	HN	120.0	IAML		15:41	44.83	135	0.30		
DYA	HN	97.7	IAML		12:35	26.21	5	0.23	IOMK	HZ	128.0	EP		15:41	24.79			0.19
DYA	HE	97.7	IAML		12:35	26.99	6	0.22	IOMK	HE	128.0	ES		15:41	39.44			0.70
SBD	BZ	116.0	EP		12:35	15.41	0.33	IOMK	HE	128.0	IAML		15:41	41.23	874	0.20		
SBD	BE	116.0	ES		12:35	28.73	-0.18	IOMK	HN	128.0	IAML		15:41	42.48	577	0.20		
SBD	BE	116.0	IAML		12:35	30.42	3	0.17	RSBS	HZ	132.0	EP		15:41	25.28			0.05
SBD	BN	116.0	IAML		12:35	30.65	5	0.17	RSBS	HE	132.0	IAML		15:41	42.15	132	0.36	
RSBS	HZ	119.0	EP		12:35	15.72	0.25	RSBS	HN	132.0	IAML		15:41	45.14	204	0.24		
HLM1	HN	146.0	ES		12:35	36.80	0.49	GMM	EZ	163.0	EP		15:41	28.92			-0.68	
HLM1	HN	146.0	IAML		12:35	38.08	1	0.32	MONM	HZ	177.0	EP		15:41	32.18			0.87
HLM1	HE	146.0	IAML		12:35	39.20	2	0.25	MONM	HE	177.0	IAML		15:41	54.76	190	0.24	
							MONM	HN	177.0	IAML		15:41	55.16	328	0.26			
							LBWR	HZ	179.0	EP		15:41	31.98			0.44		
May 24 2015				Time: 15:24 10.2 UTC		Magnitude: 0.7 ML	LBWR	HE	179.0	IAML		15:41	56.31	199	0.26			
Lat: 57.323N				Lon: -3.839W		Depth: 3.7 km	LBWR	HN	179.0	IAML		15:41	58.26	292	0.54			
Grid Ref: 289.27 kmE				827.30 kmN		RMS: 0.20 secs	KESW	HZ	183.0	EP		15:41	31.72			-0.42		
Locality: CARRBRIDGE, HIGHLAND							GAL1	HZ	196.0	EP		15:41	33.07			-0.64		
Velocity model: Lownet				Xnear: 100.0 Xfar: 200.0			CLGH	HZ	247.0	EP		15:41	39.94			-0.15		
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES									
MDO	EZ	34.1	EP		15:24	16.66	-0.06	May 27 2015			Time: 01:22 03.4 UTC		Magnitude: 0.7 ML					
MCD	EZ	45.5	EP		15:24	18.96	0.33	Lat: 51.612N			Lon: -3.111W		Depth: 5.7 km					
MCD	EE	45.5	ES		15:24	24.60	-0.15	Grid Ref: 323.08 kmE			190.99 kmN		RMS: 0.10 secs					
KAC	EZ	89.9	EP		15:24	25.66	0.09	Locality: RISCA, CAERPHILLY										
DRUM	HZ	93.8	EP		15:24	25.94	-0.24	Velocity model: Lownet			Xnear: 100.0 Xfar: 150.0							
DRUM	HE	93.8	ES		15:24	37.92	0.11	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL	PERI	RES	
INVG	HZ	101.0	EP		15:24	27.10	-0.13	MONM	HZ	33.0	EP		01:22	09.50			-0.03	
INVG	HN	101.0	IAML		15:24	40.49	4	0.04	MONM	HE	33.0	ES		01:22	14.05			0.06
INVG	HE	101.0	IAML		15:24	40.71	1	0.12	MONM	HN	33.0	IAML		01:22	14.24	17	0.26	
KPL	HN	109.0	ES		15:24	41.80		MONM	HE	33.0	IAML		01:22	14.26	11	0.12		
BIGH	HE	130.0	ES		15:24	47.53		MCH1	HZ	43.5	EP		01:22	11.19			0.00	
LAWE	HZ	152.0	EP		15:24	35.06		MCH1	HN	43.5	ES		01:22	17.05				

TABLE 2 : PHASE DATA

HLM1	HE	102.0	ES	01:22	32.35	-0.26	Grid Ref: 150.26 kmE 731.65 kmN	RMS: 0.20 secs
HLM1	HE	102.0	IAML	01:22	32.66	2 0.17	Locality: MULL, ARGYLL & BUTE	
HLM1	HN	102.0	IAML	01:22	35.01	3 0.21	Velocity model: Lownet Xnear: 50.0 Xfar: 150.0	
RSBS	HZ	119.0	EP	01:22	22.79	-0.10	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
RSBS	HN	119.0	ES	01:22	37.23	0.14	LAWE HZ 43.6 EP 16:19 51.35 -0.02	
RSBS	HN	119.0	IAML	01:22	38.80	2 0.16	LAWE HE 43.6 ES 16:19 57.00 0.07	
RSBS	HE	119.0	IAML	01:22	38.97	2 0.13	LAWE HN 43.6 IAML 16:19 57.65 8 0.09	
DYA	HZ	143.0	EP	01:22	26.43	0.00	LAWE HE 43.6 IAML 16:19 58.43 9 0.19	
							KPL HZ 106.0 EP 16:20 0.98 -0.06	
May 27 2015				Time: 08:54	26.3 UTC	Magnitude: 0.8 ML	KPL HE 106.0 ES 16:20 13.77 0.10	
Lat: 56.829N				Lon: -5.937W		Depth: 7.5 km	KPL HN 106.0 IAML 16:20 15.73 2 0.20	
Grid Ref: 159.84 kmE				777.73 kmN		RMS: 0.30 secs	KPL HE 106.0 IAML 16:20 15.93 4 0.25	
Locality: SMIRISARY, HIGHLAND							INVG HZ 124.0 EP 16:20 03.52 -0.28	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							INVG HE 124.0 ES 16:20 17.71 -0.73	
Comment: OFFSHORE SMIRISARY							INVG HE 124.0 IAML 16:20 19.49 2 0.08	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							INVG HN 124.0 IAML 16:20 19.66 3 0.09	
KPL HZ 59.4 EP 08:54 36.52 0.16							KAC EZ 129.0 EP 16:20 04.88 0.28	
KPL HE 59.4 ES 08:54 43.38 -0.31							KAC EZ 129.0 ES 16:20 19.91 0.09	
KPL HE 59.4 IAML 08:54 43.52 10 0.40							NEWG HZ 184.0 EP 16:20 12.28 0.25	
KPL HN 59.4 IAML 08:54 43.60 3 0.38								
LAWE HZ 71.5 EP 08:54 38.44 0.19						June 1 2015	Time: 03:36 13.7 UTC	Magnitude: 0.6 ML
LAWE HN 71.5 ES 08:54 46.55 -0.42						Lat: 53.217N	Lon: -4.707W	Depth: 15.2 km
LAWE HE 71.5 IAML 08:54 46.67 4 0.11						Grid Ref: 219.28 kmE	372.33 kmN	RMS: 0.30 secs
LAWE HN 71.5 IAML 08:54 46.73 6 0.20						Locality: CAERNARFON BAY, GWYNEDD		
KAC EZ 84.0 EP 08:54 40.24 0.03						Velocity model: Lleyn Xnear: 50.0 Xfar: 130.0		
MDO EZ 117.0 EP 08:54 45.37 -0.02						STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
INVG HZ 125.0 EP 08:54 47.05 0.56						YRC EZ 9.6 IP D 03:36 16.71 0.06		
INVG HE 125.0 ES 08:55 01.32 0.09						YRC EZ 9.6 ES 03:36 18.65 -0.03		
INVG HN 125.0 IAML 08:55 01.81 5 0.25						WLF1 HZ 22.2 EP 03:36 18.05 -0.09		
INVG HE 125.0 IAML 08:55 02.83 2 0.11						WLF1 HN 22.2 ES 03:36 21.24 0.06		
May 30 2015				Time: 18:09	48.0 UTC	Magnitude: 1.7 ML	WLF1 HE 22.2 IAML 03:36 21.51 8 0.07	
Lat: 53.991N				Lon: -1.882W		Depth: 7.4 km	WLF1 HN 22.2 IAML 03:36 21.59 13 0.09	
Grid Ref: 407.74 kmE				455.02 kmN		RMS: 0.30 secs	WPS HZ 24.7 IP C 03:36 18.49 0.01	
Locality: SKIFTON, N YORKSHIRE							WPS HZ 24.7 ES 03:36 21.73 -0.02	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							WME EZ 33.5 EP 03:36 19.74 -0.03	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							LLW BE 81.0 ES 03:36 36.24 0.14	
HPK HZ 17.3 EP 18:09 51.48 -0.06							FOEL HZ 107.0 EP 03:36 30.28 -0.83	
HPK HE 17.3 ES 18:09 54.19 0.04							IOMK HZ 117.0 EP 03:36 34.32 1.83	
HPK HN 17.3 IAML 18:09 54.65 224 0.13								
HPK HE 17.3 IAML 18:09 54.80 145 0.07						June 5 2015	Time: 00:30 08.3 UTC	Magnitude: 0.3 ML
LBWR HZ 66.4 EP 18:09 59.22 0.03						Lat: 52.838N	Lon: -2.131W	Depth: 7.8 km
LBWR HE 66.4 ES 18:10 07.22 -0.16						Grid Ref: 391.18 kmE	326.77 kmN	RMS: 0.40 secs
LBWR HE 66.4 IAML 18:10 08.10 55 0.13						Locality: STAFFORD, STAFFS		
LBWR HN 66.4 IAML 18:10 08.21 40 0.19						Velocity model: Lownet Xnear: 100.0 Xfar: 200.0		
GDLE HZ 84.5 EP 18:10 01.96 -0.01						STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
GDLE HN 84.5 ES 18:10 12.02 -0.17						STNC HZ 28.7 EP 00:30 13.58 -0.01		
GDLE HE 84.5 IAML 18:10 13.79 25 0.26						STNC HN 28.7 ES 00:30 17.08 -0.40		
GDLE HN 84.5 IAML 18:10 13.87 33 0.33						STNC HE 28.7 IAML 00:30 17.33 11 0.08		
EDMD HZ 93.7 EP 18:10 03.36 0.01						STNC HE 28.7 IAML 00:30 17.62 20 0.19		
LMK HZ 119.0 EP 18:10 07.89 0.64						CWF HZ 56.6 EP 00:30 17.80 -0.12		
CWF HZ 145.0 EP 18:10 10.39 -0.63						CWF HN 56.6 ES 00:30 24.63 -0.34		
ESK HZ 171.0 EP 18:10 15.13 0.45						EDMD HZ 55.9 IP D 19:20 22.62 0.31		
HLM1 HZ 177.0 ES 18:10 36.59 0.98						EDMD HE 55.9 ES 19:20 29.23 -0.05		
May 30 2015				Time: 19:20	12.8 UTC	Magnitude: 2.6 ML	FOEL HZ 30.3 EP 00:30 17.80 -0.17	
Lat: 54.332N				Lon: -1.862W		Depth: 11.9 km	FOEL HN 30.3 ES 00:30 27.09 -0.22	
Grid Ref: 408.97 kmE				492.96 kmN		RMS: 0.30 secs	FOEL HE 30.3 IAML 00:30 27.73 11 0.14	
Locality: BELLERBY, N YORKSHIRE						FOEL HE 30.3 IAML 00:30 29.76 14 0.28		
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0						HLM1 HZ 53.2 EP 00:30 27.29 0.32		
Comment: FELT BELLERBY					Intensity: 2	HLM1 HE 53.2 ES 00:30 33.59 -0.30		
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES						HLM1 HE 53.2 IAML 00:30 34.16 8 0.18		
HPK HZ 44.4 EP 19:20 20.47 -0.11						HLM1 HE 53.2 IAML 00:30 34.22 3 0.11		
HPK HE 44.4 ES 19:20 26.22 -0.07						LBWR HZ 68.4 EP 00:30 20.46 0.69		
HPK HE 44.4 IAML 19:20 26.53 512 0.17						LBWR HN 111.0 EP 00:30 27.05 0.77		
HPK HN 44.4 IAML 19:20 27.03 388 0.14								
EDMD HZ 55.9 IP D 19:20 22.62 0.31						June 7 2015	Time: 15:14 17.5 UTC	Magnitude: 0.7 ML
EDMD HE 55.9 ES 19:20 29.23 -0.05						Lat: 52.993N	Lon: -2.783W	Depth: 3.0 km
EDMD HE 55.9 IAML 19:20 29.58 408 0.35						Grid Ref: 347.45 kmE	344.28 kmN	RMS: 0.20 secs
EDMD HN 55.9 IAML 19:20 30.17 364 0.12						Locality: MALPAS, CHESHIRE		
GDL E HZ 68.7 IP C 19:20 24.20 -0.13						Velocity model: Lownet Xnear: 100.0 Xfar: 200.0		
GDL HE 68.7 ES 19:20 32.60 -0.18						STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
GDL E HN 68.7 IAML 19:20 34.60 378 0.30						FOEL HZ 30.3 EP 15:14 23.00 -0.17		
GDL HE 68.7 IAML 19:20 34.91 217 0.26						FOEL HN 30.3 ES 15:14 27.09 -0.22		
LBWR HZ 104.0 EP 19:20 30.10 0.33						FOEL HE 30.3 IAML 15:14 27.73 11 0.14		
LBWR HE 104.0 ES 19:20 42.08 -0.10						FOEL HE 30.3 IAML 15:14 29.76 14 0.28		
LBWR HN 104.0 IAML 19:20 44.35 238 0.13						HLM1 HZ 53.2 EP 15:14 27.29 0.32		
LBWR HE 104.0 IAML 19:20 44.41 322 0.19						HLM1 HE 53.2 ES 15:14 33.59 -0.30		
ESK HZ 139.0 EP 19:20 34.64 -0.18						HLM1 HE 53.2 IAML 15:14 34.16 8 0.18		
LMK HZ 140.0 EP 19:20 35.53 0.61						HLM1 HE 53.2 IAML 15:14 34.22 3 0.11		
IOMK HZ 176.0 EP 19:20 38.84 -0.90						LBWR HZ 84.1 EP 15:14 28.53 0.34		
NEWG HZ 176.0 EP 19:20 38.77 -0.92						LBWR HN 113.0 EP 15:14 36.03 0.02		
CWF HZ 181.0 EP 19:20 40.18 -0.18						LBWR BN 61.4 IAML 15:14 36.73 0 0.08		
ESY EZ 183.0 EP 19:20 39.87 -0.74						LBWR BN 61.4 IAML 15:14 36.75 2 0.11		
WME EZ 191.0 EP 19:20 40.54 -1.08						LBWR HZ 84.1 EP 15:14 31.69 -0.05		
HLM1 HZ 213.0 EP 19:20 43.73 -0.65						LBWR HN 84.1 ES 15:14 42.00 -0.14		
May 31 2015				Time: 16:19	43.7 UTC	Magnitude: 0.8 ML	WLF1 HZ 113.0 IAML 15:14 51.06 7 0.19	
Lat: 56.411N				Lon: -6.049W		Depth: 7.9 km	WLF1 HN 113.0 IAML 15:14 51.49 4 0.14	

TABLE 2 : PHASE DATA

WPS	HZ	123.0	EP	15:14	37.90	0.15	Locality: COLONSAY,ARGYLL & BUTE Velocity model: Lownet Xnear: 100.0 Xfar: 200.0 Comment: OFFSHORE COLONSAY
June 10 2015				Time: 13:03 03.1 UTC	Magnitude: 2.0 ML		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
Lat: 51.062N				Lon: -4.714W	Depth: 23.3 km		CLGH HZ 97.5 EP 07:03 21.22 0.01
Grid Ref: 209.85 kmE				132.75 kmN	RMS: 0.30 secs		CLGH HE 97.5 ES 07:03 32.72 -0.18
Locality: BRISTOL CHANNEL							CLGH HN 97.5 IAML 07:03 35.56 6 0.09
Velocity model: Lownet				Xnear: 100.0	Xfar: 250.0		CLGH HE 97.5 IAML 07:03 35.94 5 0.10
Comment: 10KM SSW LUNDY							
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	PGB1 HZ 113.0 EP 07:03 23.95 0.27						
HTL HZ 17.7 IP D 13:03 09.42 0.39	PGB1 HN 113.0 ES 07:03 37.26 0.10						
HTL HZ 17.7 ES 13:03 12.97 -0.36	PGB1 HN 113.0 IAML 07:03 38.98 6 0.13						
HTL HE 17.7 IAML 13:03 13.73 218 0.24	PGB1 HE 113.0 IAML 07:03 40.14 8 0.19						
HTL HN 17.7 IAML 13:03 13.77 329 0.12	INVG HZ 148.0 EP 07:03 28.62 -0.10						
SBD BZ 55.3 EP 13:03 13.55 0.33	INVG HN 148.0 ES 07:03 44.87 -1.02						
SBD BE 55.3 ES 13:03 20.40 -0.18	INVG HN 148.0 IAML 07:03 47.31 4 0.35						
DYA HZ 89.0 EP 13:03 17.56 -0.12	INVG HE 148.0 IAML 07:03 49.41 3 0.19						
DYA HN 89.0 ES 13:03 28.23 -0.06	GAL1 HZ 157.0 EP 07:03 29.30 -0.55						
DYA HN 89.0 IAML 13:03 30.91 53 0.24	GAL1 HN 157.0 ES 07:03 48.69 0.86						
DYA HE 89.0 IAML 13:03 30.92 42 0.30	GAL1 HE 157.0 IAML 07:03 50.89 5 0.11						
RSBS HZ 99.1 IP D 13:03 19.14 0.20	GAL1 HN 157.0 IAML 07:03 50.95 4 0.25						
RSBS HN 99.1 ES 13:03 30.12 -0.34	NEWG HZ 159.0 EP 07:03 30.64 0.38						
RSBS HE 99.1 IAML 13:03 30.88 54 0.10	NEWG HE 159.0 ES 07:03 48.56 0.01						
RSBS HN 99.1 IAML 13:03 31.05 65 0.16	NEWG HN 159.0 IAML 07:03 51.75 2 0.20						
CCAI HZ 104.0 EP 13:03 19.51 -0.03	NEWG HE 159.0 IAML 07:03 51.29 2 0.25						
CCAI HN 104.0 IAML 13:03 33.37 46 0.10	KPL HZ 159.0 EP 07:03 30.12 -0.05						
CCAI HE 104.0 IAML 13:03 33.78 22 0.18	KPL HN 159.0 ES 07:03 48.91 0.51						
MCH1 HZ 158.0 EP 13:03 26.52 0.22	KPL HE 159.0 IAML 07:03 50.00 2 0.17						
MCH1 HN 158.0 ES 13:03 43.45 0.25	KPL HN 159.0 IAML 07:03 50.41 2 0.15						
MCH1 HE 158.0 IAML 13:03 46.89 31 0.20							
MCH1 HN 158.0 IAML 13:03 47.48 23 0.44							
IWEX BZ 204.0 EP 13:03 31.47 -0.55	June 15 2015 Time: 17:19 34.9 UTC Magnitude: 1.2 ML						
HLM1 HZ 206.0 EP 13:03 32.73 0.46	Lat: 54.527N Lon: -3.681W Depth: 5.0 km						
HLM1 HN 206.0 IAML 13:04 07.65 8 0.32	Grid Ref: 291.22 kmE 515.95 kmN RMS: 0.30 secs						
HLM1 HE 206.0 IAML 13:04 07.77 9 0.40	Locality: IRISH SEA						
June 12 2015 Time: 03:54 52.2 UTC Magnitude: 0.7 ML	Velocity model: Borders Xnear: 100.0 Xfar: 300.0						
Lat: 53.345N Lon: -2.777W	Comment: 7KM WSW WHITEHAVEN						
Grid Ref: 348.28 kmE 383.43 kmN							
Locality: WIDNES, CHESHIRE							
Velocity model: Lownet							
Xnear: 100.0 Xfar: 200.0							
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	SPK EZ 16.2 EP 17:19 37.95 -0.22						
FOEL HZ 58.0 EP 03:55 01.75 -0.58	SPK EE 16.2 ES 17:19 40.62 0.12						
LBWR HZ 70.3 EP 03:55 04.31 0.09	IOMK HZ 64.7 EP 17:19 45.76 -0.31						
LBWR HN 70.3 ES 03:55 12.84 -0.13	IOMK HN 64.7 ES 17:19 54.17 0.16						
LBWR HE 70.3 IAML 03:55 15.57 4 0.37	IOMK HE 64.7 IAML 17:19 55.54 14 0.08						
LBWR HN 70.3 IAML 03:55 15.70 4 0.52	IOMK HE 64.7 IAML 17:19 57.75 14 0.10						
HLM1 HZ 92.2 EP 03:55 07.87 0.24	NEWG HZ 74.6 EP 17:19 47.18 -0.50						
HLM1 HE 92.2 ES 03:55 18.89 0.02	NEWG HE 74.6 ES 17:19 56.99 0.23						
HLM1 HN 92.2 IAML 03:55 20.51 3 0.44	NEWG HE 74.6 IAML 17:20 00.26 8 0.09						
HLM1 HE 92.2 IAML 03:55 21.34 3 0.10	NEWG HN 74.6 IAML 17:20 00.67 8 0.10						
WLF1 HZ 108.0 EP 03:55 10.44 0.42	GAL1 HZ 76.4 EP 17:19 47.66 -0.31						
WLF1 HN 108.0 ES 03:55 22.85 -0.16	GAL1 HN 76.4 ES 17:19 57.38 0.12						
WLF1 HN 108.0 IAML 03:55 23.81 4 0.18	GAL1 HE 76.4 IAML 17:19 58.87 8 0.21						
WLF1 HE 108.0 IAML 03:55 25.00 2 0.09	GAL1 HE 76.4 IAML 17:20 01.27 4 0.18						
MCH1 HE 151.0 ES 03:55 34.57 0.56	WIM EZ 77.1 EP 17:19 48.01 -0.13						
MCH1 HE 151.0 IAML 03:55 35.70 2 0.74	WIM HE 93.1 ES 17:20 02.16 0.24						
MCH1 HE 151.0 IAML 03:55 36.42 2 0.38	EDMD HZ 116.0 EP 17:19 54.33 -0.04						
June 12 2015 Time: 09:38 35.7 UTC Magnitude: 1.8 ML	WME EZ 132.0 EP 17:19 56.90 -0.13						
Lat: 51.714N Lon: -4.159W	WPS HZ 136.0 EP 17:19 57.67 0.14						
Grid Ref: 250.86 kmE 203.95 kmN	WPS HN 136.0 ES 17:20 13.92 0.32						
Locality: LLANELLI, CARMARTHENS	EBL EZ 144.0 EP 17:19 58.55 -0.08						
Velocity model: Mid Wales	WLF1 HZ 146.0 EP 17:19 58.67 -0.01						
Xnear: 80.0 Xfar: 200.0	WLF1 HN 146.0 ES 17:20 16.04 0.47						
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							
HTL HZ 83.3 IP C 09:38 50.08 0.33	WLF1 HN 146.0 IAML 17:20 18.00 6 0.16						
HTL HE 83.3 ES 09:38 59.78 -0.12	WLF1 HE 146.0 IAML 17:20 18.04 9 0.26						
HTL HE 83.3 IAML 09:39 00.49 40 0.22	GMM EZ 151.0 EP 17:19 59.41 0.04						
HTL HN 83.3 IAML 09:39 00.68 29 0.16	PGB1 HZ 152.0 EP 17:19 59.23 -0.28						
MCH1 HZ 86.0 EP 09:38 50.19 -0.02	PGB1 HN 152.0 IAML 17:20 19.30 14 0.58						
MCH1 HE 86.0 ES 09:39 00.67 -0.02	PGB1 HE 152.0 IAML 17:20 19.42 6 0.36						
MCH1 HE 86.0 IAML 09:39 01.54 38 0.16	June 15 2015 Time: 23:50 02.8 UTC Magnitude: 0.7 ML						
MCH1 HE 86.0 IAML 09:39 02.04 39 0.10	Lat: 53.161N Lon: -3.979W Depth: 9.9 km						
HLM1 HZ 125.0 EP 09:38 56.21 -0.19	Grid Ref: 267.70 kmE 364.51 kmN RMS: 0.10 secs						
HLM1 HN 125.0 ES 09:39 11.63 0.30	Locality: BETHESDA, GWYNEDD						
HLM1 HE 125.0 IAML 09:39 13.85 25 0.12	Velocity model: Llynn Xnear: 80.0 Xfar: 200.0						
HLM1 HN 125.0 IAML 09:39 13.88 33 0.12	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES						
LLW BZ 131.0 EP 09:38 57.04 -0.16	YLL EZ 13.0 IP C 23:50 05.58 0.02						
LLW BE 131.0 IAML 09:39 13.87 13 0.20	YLL EZ 13.0 ES 23:50 07.43 -0.03						
LLW BN 131.0 IAML 09:39 14.08 12 0.15	WLF1 HZ 31.3 IP C 23:50 08.23 -0.09						
STRD HZ 138.0 EP 09:38 58.38 0.07	WLF1 HN 31.3 ES 23:50 12.04 -0.04						
DYA HZ 143.0 EP 09:38 58.68 -0.41	WLF1 HE 31.3 IAML 23:50 12.17 11 0.09						
FOEL HZ 146.0 EP 09:38 58.67 -0.89	WME EZ 34.0 EP 23:50 08.59 -0.16						
FOEL HE 146.0 ES 09:39 17.30 0.53	LLW BZ 40.6 EP 23:50 09.68 -0.12						
FOEL HE 146.0 IAML 09:39 18.02 17 0.30	LLW BE 40.6 ES 23:50 14.64 0.06						
FOEL HE 146.0 IAML 09:39 20.12 15 0.30	LLW BN 40.6 ES 23:50 14.66 0.08						
June 13 2015 Time: 07:03 05.2 UTC Magnitude: 1.1 ML	YRC EZ 41.1 EP 23:50 09.76 -0.11						
Lat: 55.954N Lon: -6.279W	YRC EZ 41.1 ES 23:50 14.73 0.03						
Grid Ref: 132.93 kmE 681.71 kmN	WPS HZ 43.7 EP 23:50 10.53 0.22						
	WPS HN 43.7 ES 23:50 15.58 0.15						
	WPS HE 43.7 IAML 23:50 15.78 5 0.13						
	WPS HN 43.7 IAML 23:50 15.84 5 0.18						

TABLE 2 : PHASE DATA

June 16 2015	Time: 16:02 43.5 UTC	Magnitude: 1.8 ML	Grid Ref: 186.40 kmE 354.64 kmN	RMS: 0.10 secs
Lat: 53.558N	Lon: -1.656W	Depth: 11.8 km	Locality: IRISH SEA	
Grid Ref: 422.78 kmE 406.90 kmN		RMS: 0.10 secs	Velocity model: Lleyn	Xnear: 80.0 Xfar: 200.0
Locality: PENISTONE,S YORKSHIRE			STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
Velocity model: Lownet	Xnear: 100.0 Xfar: 200.0		WLF1 HZ 59.4 EP 01:00 49.90	-0.17
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			WLF1 HE 59.4 ES 01:00 56.81	-0.11
LBWR HZ 18.0 IP D 16:02 48.01	0.06		WLF1 HN 59.4 IAML 01:00 57.18	5 0.22
LBWR HE 18.0 ES	16:02 51.18	0.01	WLF1 HE 59.4 IAML 01:00 57.19	5 0.21
LBWR HE 18.0 IAML	16:02 51.41	356 0.20	WPS HZ 60.6 EP 01:00 50.25	-0.01
LBWR HN 18.0 IAML	16:02 51.60	238 0.16	WPS HN 60.6 ES 01:00 57.38	0.13
HPK HZ 44.5 EP	16:02 51.56	-0.02	YLL EZ 68.9 EP 01:00 51.79	0.16
HPK HN 44.5 ES	16:02 57.32	-0.13	WME EZ 70.8 EP 01:00 51.92	0.00
HPK HE 44.5 IAML	16:02 57.54	203 0.22	June 26 2015	Time: 11:55 06.4 UTC
HPK HN 44.5 IAML	16:02 57.57	140 0.12	Magnitude: 1.9 ML	
CWF HZ 94.2 EP	16:02 58.92	0.17	Lat: 53.319N	Lon: -3.327W
CWF HE 94.2 ES	16:03 09.72	-0.14	Grid Ref: 311.61 kmE 381.08 kmN	RMS: 0.30 secs
CWF HE 94.2 IAML	16:03 10.97	12 0.10	Locality: HOLYWELL,FLINTSHIRE	
CWF HN 94.2 IAML	16:03 12.37	13 0.24	Velocity model: Mid Wales	Xnear: 100.0 Xfar: 200.0
HLM1 HZ 142.0 EP	16:03 05.76	0.14	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
HLM1 HN 142.0 ES	16:03 21.54	-0.20	FOEL HZ 48.6 EP 11:55 14.29	-0.49
HLM1 HE 142.0 IAML	16:03 23.05	7 0.38	FOEL HE 48.6 ES 11:55 20.59	-0.23
HLM1 HE 142.0 IAML	16:03 24.00	11 0.16	FOEL HN 48.6 IAML 11:55 22.04	47 0.62
EDMD HN 143.0 ES	16:03 22.19	0.31	FOEL HE 48.6 IAML 11:55 22.27	57 0.38
EDMD HN 143.0 IAML	16:03 23.47	25 0.24	LLW BZ 57.0 EP 11:55 16.58	0.43
EDMD HE 143.0 IAML	16:03 23.72	18 0.14	LLW BE 57.0 ES 11:55 22.86	-0.32
LLW BZ 156.0 EP	16:03 07.21	-0.20	YLL EZ 59.8 EP 11:55 17.04	0.44
June 19 2015	Time: 13:02 56.2 UTC	Magnitude: 1.5 ML	WME EZ 65.6 EP 11:55 17.74	0.18
Lat: 56.276N	Lon: -5.877W	Depth: 2.5 km	WLF1 HZ 71.4 EP 11:55 18.64	0.13
Grid Ref: 160.02 kmE 716.03 kmN		RMS: 0.20 secs	WLF1 HN 71.4 IAML 11:55 27.11	-0.14
Locality: MULL,ARGYLL & BUTE			WLF1 HE 71.4 IAML 11:55 27.36	26 0.20
Velocity model: Lownet	Xnear: 150.0 Xfar: 300.0		WLF1 HE 71.4 IAML 11:55 30.76	37 0.18
Comment: OFFSHORE MULL			WPS HZ 78.5 EP 11:55 19.76	0.07
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			WPS HN 78.5 ES 11:55 29.10	-0.17
LAWE HZ 29.6 IP C 13:03 01.47	-0.29		WPS HN 78.5 IAML 11:55 29.39	54 0.24
LAWE HN 29.6 ES	13:03 05.41	-0.37	WPS HE 78.5 IAML 11:55 32.01	38 0.18
LAWE HE 29.6 IAML	13:03 01.60	26 0.40	HLM1 HZ 94.1 EP 11:55 22.42	0.13
LAWE HN 29.6 IAML	13:03 06.88	26 0.12	HLM1 HN 94.1 ES 11:55 33.74	0.00
PGB1 HZ 101.0 EP	13:03 13.44	0.31	HLM1 HE 94.1 IAML 11:55 37.21	16 0.14
PGB1 HN 101.0 ES	13:03 25.75	0.29	LBWR HZ 107.0 EP 11:55 24.58	0.17
PGB1 HN 101.0 IAML	13:03 27.43	16 0.66	LBWR HE 107.0 ES 11:55 37.79	0.40
PGB1 HE 101.0 IAML	13:03 29.33	16 0.36	LBWR HE 107.0 IAML 11:55 39.76	38 0.32
INVG HZ 115.0 EP	13:03 15.11	-0.13	WIM EZ 128.0 EP 11:55 27.27	-0.30
INVG HN 115.0 ES	13:03 29.18	0.06	HPK HZ 133.0 EP 11:55 28.31	-0.02
INVG HE 115.0 IAML	13:03 30.94	15 0.10	HPK HN 133.0 ES 11:55 43.67	-0.45
INVG HN 115.0 IAML	13:03 31.38	20 0.09	HPK HE 133.0 IAML 11:55 45.43	60 0.16
KPL HZ 119.0 EP	13:03 15.98	0.07	HPK HN 133.0 IAML 11:55 46.36	85 0.14
KPL HE 119.0 IAML	13:03 33.15	17 0.22	KESW HZ 142.0 EP 11:55 28.74	-0.92
KPL HN 119.0 IAML	13:03 33.75	9 0.20	KESW HE 142.0 IAML 11:55 46.89	32 0.58
CLGH HZ 134.0 EP	13:03 18.02	-0.15	KESW HN 142.0 IAML 11:55 46.91	16 0.44
CLGH HN 134.0 ES	13:03 33.90	-0.29	MCH1 HZ 149.0 EP 11:55 31.13	0.46
CLGH HE 134.0 IAML	13:03 36.17	16 0.28	MCH1 HE 149.0 IAML 11:55 49.98	25 0.18
CLGH HN 134.0 IAML	13:03 36.52	15 0.20	MCH1 HN 149.0 IAML 11:55 50.19	34 0.14
ELO EZ 136.0 EP	13:03 18.57	0.06	MONM HZ 168.0 EP 11:55 33.89	0.43
NEWG HZ 165.0 EP	13:03 22.95	0.26	RSBS HZ 180.0 EP 11:55 34.73	-0.16
NEWG HN 165.0 IAML	13:03 44.66	9 0.22	RSBS HN 180.0 IAML 11:55 58.08	25 0.12
NEWG HE 165.0 IAML	13:03 45.90	11 0.22	RSBS HE 180.0 IAML 11:55 58.10	21 0.07
GAL1 HZ 173.0 EP	13:03 24.13	0.32	June 27 2015	Time: 01:34 47.5 UTC
GAL1 HE 173.0 IAML	13:03 45.06	4 0.14	Magnitude: 1.1 ML	
GAL1 HN 173.0 IAML	13:03 48.42	4 0.44	Lat: 52.885N	Lon: -1.663W
June 25 2015	Time: 11:16 25.6 UTC	Magnitude: 1.1 ML	Grid Ref: 422.67 kmE 332.04 kmN	RMS: 0.40 secs
Lat: 52.991N	Lon: -2.779W	Depth: 2.6 km	Locality: DERBY,DERBYSHIRE	
Grid Ref: 347.72 kmE 344.06 kmN		RMS: 0.10 secs	Velocity model: Lownet	Xnear: 100.0 Xfar: 200.0
Locality: MALPAS,CHESHIRE			Comment: 12KM SW OF DERBY	
Velocity model: Lownet	Xnear: 500.0 Xfar: 1000.0		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			CWF HZ 29.0 EP 01:34 52.65	-0.24
FOEL HZ 30.4 IP 11:16 31.25	-0.01		CWF HE 29.0 ES 01:34 56.55	-0.27
FOEL HE 30.4 ES	11:16 35.35	-0.08	CWF HE 29.0 IAML 01:34 57.45	19 0.11
FOEL HE 30.4 IAML	11:16 35.83	42 0.12	STNC HZ 43.1 IP D 01:34 55.21	0.13
FOEL HN 30.4 IAML	11:16 37.23	28 0.36	STNC HN 43.1 ES 01:35 00.82	0.22
HLM1 HZ 53.0 EP	11:16 35.18	0.15	STNC HN 43.1 IAML 01:35 01.02	32 0.17
HLM1 HN 53.0 ES	11:16 41.75	-0.20	STNC HE 43.1 IAML 01:35 01.43	28 0.12
HLM1 HE 53.0 IAML	11:16 42.09	14 0.26	LBWR HZ 57.6 EP 01:34 57.67	0.31
HLM1 HN 53.0 IAML	11:16 42.16	5 0.12	LBWR HE 57.6 ES 01:35 04.01	-0.54
LLW BN 61.6 ES	11:16 44.14	-0.03	LBWR HE 57.6 IAML 01:35 04.52	23 0.30
LBWR HZ 84.0 EP	11:16 39.89	0.07	LBWR HE 57.6 IAML 01:35 04.55	18 0.16
LBWR HE 84.0 ES	11:16 50.14	-0.10	HLM1 HZ 91.8 EP 01:35 02.83	0.15
LBWR HN 84.0 IAML	11:16 52.62	9 0.16	HLM1 HE 91.8 ES 01:35 13.44	-0.31
LBWR HE 84.0 IAML	11:16 52.62	8 0.10	HLM1 HE 91.8 IAML 01:35 14.54	3 0.11
MCH1 HE 112.0 ES	11:16 57.72	0.14	HLM1 HE 91.8 IAML 01:35 17.28	4 0.15
WLF1 HE 113.0 ES	11:16 58.17	0.19	FOEL HZ 103.0 EP 01:35 04.12	-0.36
WPS HE 124.0 ES	11:17 00.63	-0.13	LMK HZ 110.0 EP 01:35 06.10	0.70
WPS HE 124.0 IAML	11:17 01.79	6 0.15	HPK HZ 119.0 EP 01:35 07.64	0.72
WPS HN 124.0 IAML	11:17 01.85	5 0.27	HPK HN 119.0 ES 01:35 20.50	-0.59
June 26 2015	Time: 01:00 40.0 UTC	Magnitude: 0.7 ML	HPK HN 119.0 IAML 01:35 21.13	13 0.31
Lat: 53.046N	Lon: -5.187W	Depth: 10.1 km	HPK HE 119.0 IAML 01:35 22.42	9 0.14
			MCH1 HZ 134.0 EP 01:35 09.61	0.55

TABLE 2 : PHASE DATA

June 28 2015	Time: 05:04 23.7 UTC	Magnitude: 0.9 ML	KESW	HZ	400.0	EP	08:00	11.40	-0.70
Lat: 57.183N	Lon: -5.698W	Depth: 4.1 km	KESW	HN	400.0	IAML	08:01	12.98	16 0.50
Grid Ref: 176.54 kmE	816.28 kmN	RMS: 0.20 secs	KESW	HE	400.0	IAML	08:01	15.88	18 0.56
Locality: LOCH HOURN, HIGHLAND			MONM	HE	402.0	IAML	08:01	09.96	34 0.30
Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0	MONM	HN	402.0	IAML	08:01	11.78	32 0.42
Comment: 6KM SW GLENELG			MCH1	HZ	407.0	EP	08:00	13.18	0.34
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			MCH1	HN	407.0	IAML	08:01	14.45	19 0.40
KPL HZ 17.6 IP D 05:04 27.26		0.14	MCH1	HE	407.0	IAML	08:01	15.77	16 0.44
KPL HE 17.6 ES 05:04 29.49		-0.15	ESK	HZ	438.0	EP	08:00	16.51	-0.33
KPL HE 17.6 IAML 05:04 29.74	19 0.30		ESK	EZ	456.0	EP	08:00	19.83	0.74
KPL HN 17.6 IAML 05:04 30.40	9 0.18								
LAWE HN 104.0 ES 05:04 53.58		-0.01	June 30 2015	Time: 08:35 42.5 UTC	Magnitude: 0.6 ML				
LAWE HE 104.0 IAML 05:04 56.36	10 0.16		Lat: 54.772N	Lon: -3.297W	Depth: 7.8 km				
LAWE HN 104.0 IAML 05:04 56.43	14 0.19		Grid Ref: 316.57 kmE	542.68 kmN	RMS: 0.20 secs				
LINV HZ 111.0 EP 05:04 42.00		-0.03	Locality: ASPATRIA, CUMBRIA						
INVG HZ 132.0 EP 05:04 45.37		0.20	Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0				
INVG HN 132.0 ES 05:05 00.57		-0.29	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES						
INVG HN 132.0 IAML 05:05 01.91	1 0.07		KESW	HZ	23.9	IP	D 08:35	46.89	-0.18
INVG HE 132.0 IAML 05:05 02.17	2 0.25		KESW	HE	23.9	ES	08:35	50.46	0.03
MCD EN 154.0 ES 05:05 06.73		0.41	KESW	HE	23.9	IAML	08:35	50.86	3 0.17
MCD EN 154.0 IAML 05:05 07.35	4 0.20		KESW	HN	23.9	IAML	08:35	50.89	3 0.11
MCD EE 154.0 IAML 05:05 08.07	4 0.28		ESK	HZ	60.9	EP	08:35	53.00	0.20
			ESK	HE	60.9	ES	08:36	00.13	-0.21
June 28 2015	Time: 12:00 32.5 UTC	Magnitude: 0.6 ML							
Lat: 56.640N	Lon: -5.491W	Depth: 12.9 km	ESK	HE	60.9	IAML	08:36	00.89	4 0.21
Grid Ref: 185.96 kmE	755.23 kmN	RMS: 0.10 secs	ESK	HN	60.9	IAML	08:36	02.79	4 0.08
Locality: STRONTIAN, HIGHLAND			NEWG	HZ	71.1	EP	08:35	54.53	0.17
Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0	NEWG	HE	71.1	ES	08:36	03.13	0.10
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			NEWG	HE	71.1	IAML	08:36	03.31	2 0.17
LAWE HZ 42.7 EP 12:00 40.16		0.13	NEWG	HN	71.1	IAML	08:36	03.58	2 0.15
LAWE HN 42.7 ES 12:00 45.41		-0.14	GAL1	HZ	91.5	EP	08:35	57.67	0.15
LAWE HE 42.7 IAML 12:00 45.99	9 0.18		GAL1	HN	91.5	ES	08:36	08.17	-0.34
LAWE HN 42.7 IAML 12:00 46.09	5 0.14		GAL1	HN	91.5	IAML	08:36	09.17	4 0.19
KPL HZ 78.5 EP 12:00 45.45		-0.06	GAL1	HE	91.5	IAML	08:36	09.75	2 0.19
KPL HN 78.5 IAML 12:00 58.67	3 0.28		IOMK	HZ	100.0	EP	08:35	58.92	0.07
KPL HE 78.5 IAML 12:00 58.77	2 0.15		IOMK	HN	100.0	ES	08:36	10.82	0.01
INVG HZ 92.1 EP 12:00 47.86		0.18	IOMK	HE	100.0	IAML	08:36	10.96	5 0.50
INVG HN 92.1 ES 12:00 58.68		-0.10	IOMK	HN	100.0	IAML	08:36	11.09	6 0.28
LINV HE 169.0 ES 12:01 17.17		-0.16							
June 30 2015	Time: 07:46 36.5 UTC	Magnitude: 1.0 ML	July 1 2015	Time: 00:45 59.8 UTC	Magnitude: 0.5 ML				
Lat: 55.809N	Lon: -3.166W	Depth: 7.9 km	Lat: 56.652N	Lon: -5.531W	Depth: 7.9 km				
Grid Ref: 326.93 kmE	657.92 kmN	RMS: 0.20 secs	Grid Ref: 183.58 kmE	756.69 kmN	RMS: 0.20 secs				
Locality: PENICUIK, MIDLOTHIAN			Locality: STRONTIAN, HIGHLAND						
Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0	Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0				
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES						
EBL EZ 8.6 EP 07:46 38.86		0.05	LAWE	HZ	44.4	EP	00:46	07.75	0.24
EDI HZ 12.8 IP C 07:46 39.30		-0.04	LAWE	HN	44.4	ES	00:46	12.93	-0.24
EDI HN 12.8 ES 07:46 41.40		-0.03	LAWE	HE	44.4	IAML	00:46	13.14	3 0.13
EDI HN 12.8 IAML 07:46 41.48	44 0.12		KPL	HZ	76.9	EP	00:46	13.57	6 0.18
EDI HE 12.8 IAML 07:46 41.51	49 0.16		KPL	HE	76.9	ES	00:46	12.69	0.17
ESK HZ 54.9 EP 07:46 46.08		0.20	KPL	HE	76.9	IAML	00:46	21.64	-0.20
ESK HE 54.9 ES 07:46 52.28		-0.46	KPL	HZ	76.9	IAML	00:46	26.13	2 0.22
PGB1 HN 82.6 ES 07:46 59.96		-0.20	INVG	HZ	94.8	EP	00:46	26.36	2 0.19
NEWG HZ 102.0 EP 07:46 53.47		0.27	INVG	HN	94.8	ES	00:46	15.40	0.04
NEWG HE 102.0 ES 07:47 05.64		0.23	INVG	HE	94.8	IAML	00:46	26.74	-0.01
NEWG HE 102.0 IAML 07:47 07.53	5 0.28		INVG	HN	94.8	IAML	00:46	29.27	3 0.12
NEWG HN 102.0 IAML 07:47 08.08	8 0.16		LINV	HZ	168.0	EP	00:46	29.49	4 0.22
			LINV	HN	168.0	EP	00:46	26.03	0.01
June 30 2015	Time: 07:59 17.6 UTC	Magnitude: 2.9 ML	July 1 2015	Time: 11:27 29.1 UTC	Magnitude: 0.8 ML				
Lat: 53.319N	Lon: 2.605W	Depth: 17.9 km	Lat: 57.398N	Lon: -5.832W	Depth: 9.4 km				
Grid Ref: 706.64 kmE	390.15 kmN	RMS: 0.30 secs	Grid Ref: 169.80 kmE	840.64 kmN	RMS: 0.30 secs				
Locality: SOUTHERN NORTH SEA			Locality: APPLECROSS, HIGHLAND						
Velocity model: Lownet	Xnear: 275.0	Xfar: 500.0	Velocity model: Lownet	Xnear: 100.0	Xfar: 200.0				
Comment: 110KM NE LOWESTOFT			STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES						
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			KPL	HZ	12.6	IP	C 11:27	32.13	0.13
WACR HZ 148.0 EP 07:59 40.70		0.19	KPL	HZ	12.6	ES	11:27	34.08	-0.04
WACR HN 148.0 ES 07:59 57.22		-0.01	LINV	HZ	91.6	EP	11:27	43.90	-0.25
WACR HE 148.0 IAML 07:59 58.54	96 0.27		LEWI	HN	104.0	EP	11:27	46.25	0.20
WACR HN 148.0 IAML 07:59 59.04	127 0.20		LEWI	HE	104.0	IAML	11:27	58.31	-0.12
LMK HZ 196.0 EP 07:59 46.49		0.04	LEWI	HN	104.0	ES	11:27	58.80	1 0.21
LMK HE 196.0 IAML 08:00 17.60	155 0.33		LEWI	HE	104.0	IAML	11:27	58.84	2 0.21
LMK HN 196.0 IAML 08:00 19.13	221 0.37		LAWE	HZ	129.0	EP	11:27	50.19	0.34
GDLE HZ 256.0 EP 07:59 54.47		0.41	LAWE	HE	129.0	ES	11:28	04.58	-0.42
GDLE HE 256.0 IAML 08:00 35.15	37 0.40		BIGH	HZ	167.0	EP	11:27	55.98	0.87
GDLE HN 256.0 IAML 08:00 39.68	86 0.42		BIGH	HE	167.0	ES	11:28	14.45	0.36
CWF HZ 270.0 EP 07:59 55.43		-0.37	BIGH	HE	167.0	IAML	11:28	15.81	2 0.15
LBWR HZ 288.0 EP 07:59 58.17		0.08	BIGH	HN	167.0	IAML	11:28	16.30	3 0.21
LBWR HN 288.0 IAML 08:00 39.74	74 0.58								
LBWR HE 288.0 IAML 08:00 39.96	72 0.32		July 6 2015	Time: 10:33 23.9 UTC	Magnitude: 2.5 ML				
HPK HZ 289.0 EP 07:59 58.19		0.09	Lat: 56.957N	Lon: 7.197W	Depth: 29.6 km				
HPK HN 289.0 IAML 08:00 37.94	66 0.31		Grid Ref: 958.31 kmE	822.75 kmN	RMS: 0.20 secs				
HPK HE 289.0 IAML 08:00 41.94	66 0.38		Locality: EASTERN NORTH SEA						
EDMD HZ 343.0 EP 08:00 04.21		-0.64	Velocity model: North Sea	Xnear: 750.0	Xfar: 1500.0				
EDMD HN 343.0 IAML 08:00 58.27	13 0.40		Comment: 560KM EAST ABERDEEN						
EDMD HE 343.0 IAML 08:00 59.38	19 0.62		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES						
HLM1 HZ 379.0 EP 08:00 09.44		-0.06	BER	HE	397.0	ES	10:34	53.96	-0.11
HLM1 HN 379.0 IAML 08:01 10.33	14 0.48		BER	HE	397.0	IAML	10:34	55.05	4 0.16
HLM1 HE 379.0 IAML 08:01 10.86	22 0.36		BER	HN	397.0	IAML	10:34	55.39	4 0.24
			DRUM	HZ	589.0	EP	10:34	40.10	0.17

TABLE 2 : PHASE DATA

DRUM	HN	589.0	IAML	10:35	50.40	4	0.42	Lat: 52.793N	Lon: -0.929W	Depth: 6.3 km
DRUM	HE	589.0	IAML	10:35	52.91	4	0.46	Grid Ref: 472.21 kmE 322.29 kmN	RMS: 0.30 secs	
ESY	EZ	616.0	EP	10:34	43.45		0.21	Locality: MELTON MOWBRAY, LEICS		
EDMD	HZ	619.0	EP	10:34	43.80		0.13	Velocity model: Lownet Xnear: 200.0 Xfar: 300.0		
EDMD	HN	619.0	ES	10:35	41.82		-0.10	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
EDMD	HN	619.0	IAML	10:35	44.26	5	0.14	CWF HZ 26.2 EP 14:41 00.82		0.06
EDMD	HE	619.0	IAML	10:35	44.85	4	0.30	CWF HN 26.2 ES 14:41 04.25		-0.16
ESK	HZ	671.0	EP	10:34	49.81		-0.34	CWF HE 26.2 IAML 14:41 04.54	18	0.10
INVG	HZ	690.0	EP	10:34	52.58		0.04	CWF HN 26.2 IAML 14:41 04.57	27	0.16
								LBWR HZ 86.2 EP 14:41 10.44		0.29
July 7 2015				Time: 01:11	37.5 UTC	Magnitude: 0.9 ML		LBWR HN 86.2 ES 14:41 20.36		-0.28
Lat: 57.159N				Lon:	-5.726W	Depth: 2.6 km		LBWR HN 86.2 IAML 14:41 21.85	7	0.42
Grid Ref: 174.71 kmE					813.71 kmN	RMS: 0.30 secs		LBWR HN 86.2 IAML 14:41 22.45	6	0.24
Locality: LOCH HOURN, HIGHLAND								WACR HN 105.0 ES 14:41 25.60		-0.10
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0								WACR HN 105.0 IAML 14:41 26.90	5	0.20
Comment: 9KM SW GLENELG								WACR HE 105.0 IAML 14:41 28.61	5	0.18
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES										
KPL	HZ	20.6	IP	D	01:11	41.50	0.06	HLM1 HZ 136.0 EP 14:41 17.84		0.14
KPL	HE	20.6	ES		01:11	43.90	-0.43	HLM1 HE 136.0 ES 14:41 33.20		-0.51
KPL	HE	20.6	IAML		01:11	44.14	29	HLM1 HE 136.0 IAML 14:41 35.29	4	0.28
KPL	HN	20.6	IAML		01:11	44.15	8	HLM1 HN 136.0 IAML 14:41 35.96	4	0.17
LAWE	HZ	102.0	EP		01:11	54.75		FOEL HN 153.0 ES 14:41 38.54		0.41
LAWE	HN	102.0	ES		01:12	06.53		MCH1 HN 166.0 ES 14:41 41.38		0.13
LAWE	HN	102.0	IAML		01:12	10.28	0.23	MCH1 HE 166.0 IAML 14:41 42.81	2	0.13
LAWE	HE	102.0	IAML		01:12	10.45	-0.42	MCH1 HN 166.0 IAML 14:41 42.98	2	0.14
LINV	HZ	114.0	EP		01:11	56.60	0.17			
LINV	HE	114.0	ES		01:12	10.34	0.08	July 10 2015	Time: 22:40	01.8 UTC
LINV	HN	114.0	IAML		01:12	11.42	1	Magnitude: 3.2 ML		
LINV	HE	114.0	IAML		01:12	11.55	2	Lat: 62.735N	Lon: 2.235W	Depth: 26.4 km
LEWI	HZ	129.0	EP		01:11	58.95	0.19	Grid Ref: 616.32 kmE 1435.58 kmN	RMS: 0.30 secs	
LEWI	HN	129.0	ES		01:12	14.35	0.06	Locality: NORTHERN NORTH SEA		
LEWI	HN	129.0	IAML		01:12	15.35		Velocity model: North Sea Xnear: 1000.0 Xfar: 2000.0		
LEWI	HE	129.0	IAML		01:12	15.48	2	Comment: 340KM NNE LERWICK		
INVG	HZ	131.0	EP		01:11	59.39	0.34	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
MCD	EN	156.0	ES		01:12	21.44	0.46	FOO HZ 194.0 EP 22:40 29.44		0.48
MCD	EE	156.0	IAML		01:12	21.59	5	FOO HE 194.0 IAML 22:40 51.97	138	0.14
MCD	EN	156.0	IAML		01:12	21.96	4	FOO HN 194.0 IAML 22:40 52.75	185	0.16
								MOL HZ 273.0 EP 22:40 38.52		-0.32
July 8 2015				Time: 14:32	15.3 UTC	Magnitude: 3.1 ML		MOL HE 273.0 IAML 22:41 08.80	176	0.26
Lat: 57.246N				Lon:	6.697W	Depth: 27.9 km		MOL HE 273.0 IAML 22:41 09.05	99	0.21
Grid Ref: 923.94 kmE					850.77 kmN	RMS: 0.30 secs				
Locality: EASTERN NORTH SEA								LRW HZ 342.0 EP 22:40 47.57		0.15
Velocity model: North Sea Xnear: 750.0 Xfar: 1500.0								LRW HE 342.0 ES 22:41 20.70		0.02
Comment: 530KM EAST ABERDEEN								LRW HE 342.0 IAML 22:41 24.70	35	0.28
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES								LRW HE 342.0 IAML 22:41 25.35	27	0.22
BER	HZ	358.0	EP		14:33	02.61	-0.20	BIGH HN 580.0 ES 22:42 11.45		-0.29
BER	HE	358.0	ES		14:33	37.60	0.12	BIGH HN 580.0 IAML 22:42 13.20	9	0.29
BER	HE	358.0	IAML		14:33	38.80	17	BIGH HE 580.0 IAML 22:42 14.00	14	0.30
BER	HN	358.0	IAML		14:33	38.81	10	MCD EN 649.0 ES 22:42 27.01		0.24
DRUM	HZ	558.0	EP		14:33	28.26	0.65	MCD EE 649.0 IAML 22:42 29.62	12	0.31
DRUM	HN	558.0	ES		14:34	20.01	-0.36	MCD EN 649.0 IAML 22:42 29.87	10	0.18
GDLE	HZ	566.0	EP		14:33	29.10	0.52	LINV HE 654.0 ES 22:42 27.95		0.25
GDLE	HE	566.0	IAML		14:34	28.84	13	LINV HE 654.0 IAML 22:42 30.15	4	0.22
GDLE	HN	566.0	IAML		14:34	29.10	21	LINV HE 654.0 IAML 22:42 30.52	5	0.28
ESY	EZ	590.0	EP		14:33	31.26	-0.43	DRUM HZ 700.0 EP 22:41 31.50		-0.41
EDMD	HZ	602.0	EP		14:33	33.01	-0.12	DRUM HE 700.0 ES 22:42 37.24		-0.42
EDMD	HE	602.0	ES		14:34	29.79	-0.13	DRUM HE 700.0 IAML 22:42 40.31	18	0.28
EDMD	HN	602.0	IAML		14:34	33.96	21	DRUM HE 700.0 IAML 22:42 43.38	18	0.32
EDMD	HE	602.0	IAML		14:34	34.21	16	LEWI HZ 715.0 EP 22:41 34.10		0.35
HPK	HZ	639.0	EP		14:33	37.67	-0.01	LEWI HE 715.0 ES 22:42 40.93		0.09
ESK	Hz	649.0	EP		14:33	38.87	-0.10	LEWI HE 715.0 IAML 22:42 43.96	4	0.72
ESK	HE	649.0	ES		14:34	40.39	0.37	LEWI HE 715.0 IAML 22:42 50.02	4	0.64
ESK	HE	649.0	IAML		14:34	43.94	9	KPL HZ 744.0 EP 22:41 37.60		0.31
ESK	HN	649.0	IAML		14:34	44.96	5	KPL HE 744.0 ES 22:42 46.59		-0.38
LBWR	HZ	684.0	EP		14:33	42.98	-0.32	KPL HE 744.0 IAML 22:42 49.48	3	0.56
								KPL HE 744.0 IAML 22:42 53.81	3	0.43
July 9 2015				Time: 05:12	19.4 UTC	Magnitude: 1.9 ML				
Lat: 55.984N				Lon:	-11.890W	Depth: 21.3 km		INVG HZ 786.0 EP 22:41 41.97		-0.65
Grid Ref: -215.86 kmE					721.00 kmN	RMS: 0.40 secs		INVG HE 786.0 ES 22:42 56.08		-0.10
Locality: ATLANTIC, NW OF IRELAND								INVG HE 786.0 IAML 22:42 57.88	6	0.18
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0								INVG HN 786.0 IAML 22:42 58.11	4	0.27
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES								LAWE HN 840.0 ES 22:43 07.92		0.29
IGLA	BN	328.0	ES		05:13	35.37	-0.63	LAWE HE 840.0 IAML 22:43 10.83	4	0.25
IGLA	BN	328.0	IAML		05:13	36.68	3	PGB1 HZ 860.0 ES 22:43 12.19		0.17
IGLA	BE	328.0	IAML		05:13	36.88	4	PGB1 HE 860.0 IAML 22:43 15.20	5	0.30
CLGH	HZ	378.0	EP		05:13	10.27	0.28	PGB1 HE 860.0 IAML 22:43 18.44	5	0.58
CLGH	HE	378.0	ES		05:13	46.99	0.09	ESK HE 883.0 ES 22:43 17.00		0.12
CLGH	HN	378.0	IAML		05:13	48.02	4	ESK HE 883.0 IAML 22:43 21.55	4	0.40
CLGH	HE	378.0	IAML		05:13	48.68	3	ESK HE 883.0 IAML 22:43 26.14	3	0.38
LEWI	HZ	388.0	EP		05:13	11.31	0.10			
LEWI	HE	388.0	ES		05:13	48.17	-0.84	July 12 2015	Time: 03:49	24.9 UTC
LEWI	HN	388.0	IAML		05:13	50.82	2	Magnitude: 1.3 ML		
LEWI	HE	388.0	IAML		05:13	51.36	3	Lat: 49.249N	Lon: -1.842W	Depth: 4.5 km
KPL	HE	411.0	ES		05:13	54.02	0.14	Grid Ref: 411.50 kmE -72.31 kmN	RMS: 0.10 secs	
ILTH	BE	417.0	ES		05:13	55.43	0.35	Locality: JERSEY, CHANNEL ISLANDS		
VAL	BE	463.0	ES		05:14	05.18	0.02	Velocity model: Lownet Xnear: 150.0 Xfar: 300.0		
LINV	HZ	472.0	EP		05:13	22.13	0.49	Comment: FELT JERSEY	Intensity: 2	
								JQE EZ 15.3 IP 03:49 28.05		0.09
July 10 2015				Time: 14:40	55.8 UTC	Magnitude: 1.0 ML		JDG EZ 16.1 EP 03:49 28.08		0.00

TABLE 2 : PHASE DATA

JLP	EZ	19.1	IP	C	03:49	28.74	0.13	YRC	EZ	31.7	EP	04:52	50.40	0.03														
JRS	EZ	19.3	IP	D	03:49	28.60	-0.03	WPS	HZ	33.1	EP	04:52	50.65	0.07														
JRS	EE	19.3	ES		03:49	31.45	0.07	WPS	HE	33.1	ES	04:52	54.88	0.11														
JRS	EN	19.3	IAML		03:49	31.52	99 0.14	WPS	HE	33.1	IAML	04:52	55.12	9 0.20														
JRS	EE	19.3	IAML		03:49	31.64	51 0.08	WPS	HN	33.1	IAML	04:52	55.30	8 0.16														
JSA	HZ	25.0	IP	C	03:49	29.45	-0.13	FOEL	HZ	70.9	EP	04:52	56.18	-0.11														
JSA	HN	25.0	ES		03:49	32.97	-0.06	FOEL	HE	70.9	ES	04:53	04.42	0.07														
JSA	HN	25.0	IAML		03:49	33.13	56 0.18	FOEL	HE	70.9	IAML	04:53	05.71	2 0.24														
JSA	HE	25.0	IAML		03:49	33.37	38 0.07	FOEL	HN	70.9	IAML	04:53	05.71	2 0.26														
JVM	EZ	26.8	IP	C	03:49	29.80	-0.10	HLM1	HZ	113.0	EP	04:53	02.65	-0.17														
ROSF	BZ	146.0	EP		03:49	48.44	0.02	HLM1	HN	113.0	ES	04:53	15.51	0.19														
ROSF	BE	146.0	IAML		03:50	07.33	8 0.20	HLM1	HE	113.0	IAML	04:53	16.40	2 0.22														
ROSF	BN	146.0	IAML		03:50	07.95	8 0.24	HLM1	HN	113.0	IAML	04:53	16.41	2 0.25														
July 17 2015			Time: 09:58 56.1 UTC			Magnitude: 1.6 ML			July 20 2015			Time: 22:36 30.2 UTC			Magnitude: 1.3 ML													
Lat: 54.701N			Lon: -3.045W			Depth: 5.3 km			Lat: 56.664N			Depth: 10.8 km																
Grid Ref: 332.66 kmE 534.51 kmN			RMS: 0.20 secs			Grid Ref: 203.24 kmE 757.06 kmN			Locality: CALDBECK,CUMBRIA			RMS: 0.20 secs																
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																												
Comment: 5KM SOUTH CALDBECK																												
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES							
KESW	HZ	13.1	IP	C	09:58	58.88		0.00	LAWE	HZ	46.4	IP	D	22:36	38.12		-0.15											
KESW	HE	13.1	ES		09:59	00.89		-0.03	LAWE	HN	46.4	ES		22:36	44.01		-0.17											
KESW	HE	13.1	IAML		09:59	00.98	82 0.12	LAWE	HN	46.4	IAML		22:36	45.24	14	0.09												
KESW	HN	13.1	IAML		09:59	01.03	42 0.16	LAWE	HE	46.4	IAML		22:36	45.47	18	0.20												
ESK	HZ	69.3	EP		09:59	08.08		0.20	INVG	HZ	76.5	EP		22:36	42.92		-0.03											
ESK	HE	69.3	ES		09:59	16.48		-0.01	INVG	HE	76.5	ES		22:36	52.02		-0.25											
ESK	HE	69.3	IAML		09:59	17.50	11 0.10	INVG	HN	76.5	IAML		22:36	55.17	14	0.25												
ESK	HN	69.3	IAML		09:59	19.85	12 0.11	INVG	HE	76.5	IAML		22:36	55.85	11	0.09												
EDMD	HZ	71.2	EP		09:59	07.96		-0.17	KPL	HZ	79.8	EP		22:36	43.67		0.26											
EDMD	HN	71.2	ES		09:59	16.66		-0.25	KPL	HE	79.8	ES		22:36	52.83		-0.24											
EDMD	HN	71.2	IAML		09:59	17.06	66 0.14	KPL	HE	79.8	IAML		22:36	56.50	20	0.14												
EDMD	HE	71.2	IAML		09:59	19.68	39 0.17	KPL	HN	79.8	IAML		22:36	56.63	15	0.16												
GAL1	HZ	109.0	EP		09:59	14.30		0.32	KAC	EZ	93.1	EP		22:36	45.78		0.27											
GAL1	HN	109.0	ES		09:59	26.95		-0.08	MDO	EZ	101.0	EP		22:36	46.69		-0.03											
GAL1	HN	109.0	IAML		09:59	27.99	13 0.13	PGB1	HE	105.0	ES		22:37	00.35		0.45												
GAL1	HE	109.0	IAML		09:59	28.47	6 0.21	PGB1	HN	105.0	IAML		22:37	01.25	7	0.16												
IOMK	HZ	110.0	EP		09:59	14.25		0.05	PGB1	HE	105.0	IAML		22:37	01.72	7	0.41											
IOMK	HN	110.0	ES		09:59	27.23		-0.18	LINV	HZ	165.0	EP		22:36	55.44		-0.41											
IOMK	HN	110.0	IAML		09:59	28.30	44 0.10	LINV	HE	165.0	IAML		22:37	16.45	8	0.30												
IOMK	HE	110.0	IAML		09:59	29.94	20 0.10	LINV	HE	165.0	IAML		22:37	18.27	3	0.39												
WIM	EZ	122.0	EP		09:59	15.90		-0.23	LEWI	HZ	193.0	EP		22:36	59.27		-0.06											
HPK	HE	124.0	ES		09:59	31.55		0.39	July 22 2015												Magnitude: 1.9 ML							
HPK	HE	124.0	IAML		09:59	33.31	45 0.18	Lat: 50.059N													Depth: 5.5 km							
GDLE	HE	148.0	ES		09:59	37.37		0.33	Grid Ref: 506.35 kmE 18.78 kmN												RMS: 0.30 secs							
GDLE	HN	148.0	IAML		09:59	38.42	31 0.32	Locality: ENGLISH CHANNEL																				
GDLE	HE	148.0	IAML		09:59	40.61	13 0.18	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0												Comment: 90KM SSW OF BRIGHTON								
July 17 2015			Time: 22:57 30.4 UTC			Magnitude: 1.0 ML			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES									
Lat: 54.452N			Lon: -2.959W			Depth: 6.8 km			HMNX	HZ	108.0	EP		19:12	39.50		-0.29											
Grid Ref: 337.83 kmE 506.73 kmN			RMS: 0.30 secs						HMNX	HN	108.0	ES		19:12	52.96		0.18											
Locality: AMBLESIDE,CUMBRIA																												
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																												
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES							
KESW	HZ	17.9	IP	D	22:57	33.94		-0.15	JLP	EZ	146.0	EP		19:12	45.43		0.02											
KESW	HE	17.9	ES		22:57	36.61		-0.14	JLP	EZ	146.0	ES		19:13	01.78		-0.71											
KESW	HE	17.9	IAML		22:57	36.86	46 0.14	JQE	EZ	146.0	EP		19:12	45.46		0.09												
KESW	HN	17.9	IAML		22:57	36.96	41 0.24	JRS	EE	149.0	EP		19:12	46.22		0.34												
EDMD	HZ	76.9	EP		22:57	43.23		-0.03	JRS	EE	149.0	IAML		19:13	03.22		-0.08											
EDMD	HN	76.9	ES		22:57	52.15		-0.46	JRS	EN	149.0	IAML		19:13	04.96	25	0.24											
EDMD	HN	76.9	IAML		22:57	52.89	6 0.14	JVM	EZ	154.0	EP		19:12	47.00		0.45												
EDMD	HE	76.9	IAML		22:57	53.73	6 0.15	JSA	HN	154.0	EP		19:12	46.75		0.20												
ESK	HZ	97.5	EP		22:57	46.98		0.48	JSA	HN	154.0	ES		19:13	04.85		0.39											
ESK	HE	97.5	ES		22:57	58.25		0.03	JSA	HN	154.0	IAML		19:13	05.86	17	0.34											
ESK	HE	97.5	IAML		22:57	59.46	3 0.28	ESK	HN	154.0	IAML		19:13	05.94	28	0.34												
ESK	HN	97.5	IAML		22:57	59.96	4 0.20	ELSH	HZ	168.0	EP		19:12	48.40		-0.20												
EKB	BZ	99.5	EP		22:57	47.25		0.42	ROSF	BZ	278.0	EP		19:13	01.51		-0.82											
EKB	BN	99.5	ES		22:57	58.70		-0.09	ROSF	BN	278.0	IAML		19:13	40.50	4	0.36											
HPK	HN	103.0	ES		22:57	59.81		0.13	ROSF	BE	278.0	IAML		19:13	42.01	3	0.24											
HPK	HE	103.0	IAML		22:58	02.46	9 0.16	ESK	HN	15.7	EP		10:20	31.65		0.24												
HPK	HN	103.0	IAML		22:58	02.72	8 0.16	ESK	HN	15.7	ES		10:20	33.49		-0.22												
IOMK	HZ	107.0	EP		22:57	48.10		0.20</																				

TABLE 2 : PHASE DATA

NEWG	HZ	81.9	EP	10:20	42.35	0.20	INVG	HE	112.0	IAML	00:48	33.98	5	0.09								
NEWG	HN	81.9	ES	10:20	51.85	-0.21	INVG	HN	112.0	IAML	00:48	35.33	6	0.09								
NEWG	HN	81.9	IAML	10:20	52.52	3 0.10	KAC	EZ	133.0	EP	00:48	23.46		0.30								
NEWG	HE	81.9	IAML	10:20	53.43	3 0.20	CLGH	HZ	141.0	EP	00:48	24.43		0.06								
GALL	HZ	102.0	EP	10:20	45.57	0.19	CLGH	HN	141.0	ES	00:48	40.89		0.03								
GALL	HN	102.0	ES	10:20	57.61	0.02	CLGH	HE	141.0	IAML	00:48	42.78	13	0.30								
GALL	HN	102.0	IAML	10:20	59.60	4 0.26	CLGH	HN	141.0	IAML	00:48	42.82	14	0.20								
GALL	HE	102.0	IAML	10:20	59.80	2 0.11	NEWG	HZ	170.0	EP	00:48	27.82		-0.62								
IOMK	HZ	106.0	EP	10:20	46.26	0.24	GAL1	HZ	180.0	EP	00:48	29.50		-0.07								
IOMK	HN	106.0	ES	10:20	58.85	0.17	ESK	Hz	202.0	EP	00:48	32.95		0.60								
IOMK	HN	106.0	IAML	10:20	59.95	18 0.18	ESK	HN	202.0	IAML	00:48	59.36	4	0.54								
IOMK	HE	106.0	IAML	10:21	00.52	9 0.10	ESK	HE	202.0	IAML	00:49	00.67	2	0.18								
							KESW	HZ	262.0	EP	00:48	39.93		0.08								
July 24 2015				Time:	12:58 27.2 UTC	Magnitude: 1.4 ML																
Lat:	54.209N			Lon:	-3.978W	Depth: 2.5 km	July 26 2015				Time:	10:18 07.5 UTC	Magnitude: 0.7 ML									
Grid Ref:	271.01 kmE					RMS: 0.30 secs	Lat:	57.094N			Lon:	-5.744W	Depth: 4.1 km									
Locality:	IRISH SEA						Grid Ref:	173.22 kmE			RMS:	0.40 secs										
Velocity model:	Lownet	Xnear:	100.0	Xfar:	200.0		Locality:	AIROR, HIGHLAND														
Comment:	33KM ENE DOUGLAS, IOM						Velocity model:	Lownet	Xnear:	100.0	Xfar:	200.0										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
IOMK	HZ	38.8	EP			12:58	34.13				STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
IOMK	HN	38.8	ES			12:58	39.30				KPL	HZ	27.8	EP			10:18	12.86			0.16	
IOMK	HE	38.8	IAML			12:58	39.88	18	0.22		KPL	HN	27.8				10:18	16.13			-0.36	
IOMK	HN	38.8	IAML			12:58	40.47	45	0.62		KPL	HE	27.8	IAML			10:18	16.31	5	0.30		
SPK	EZ	40.5	EP			12:58	34.13				KAC	EZ	52.4	IP	D		10:18	16.59			-0.25	
KESW	HZ	70.7	EP			12:58	39.09				LAWE	HZ	95.3	EP			10:18	24.06			0.59	
KESW	HN	70.7	ES			12:58	48.15				LAWE	HE	95.3	ES			10:18	34.65			-0.46	
KESW	HN	70.7	IAML			12:58	51.07	11	0.34		LAWE	HN	95.3	IAML			10:18	37.97	7	0.18		
KESW	HE	70.7	IAML			12:58	51.45	16	0.54		LAWE	HE	95.3	IAML			10:18	38.03	6	0.16		
GALL	HZ	87.3	EP			12:58	42.32				LINV	HN	122.0	ES			10:18	42.79			0.62	
AQ02	HZ	91.4	EP			12:58	43.01				LINV	HN	122.0	IAML			10:18	43.09	1	0.34		
WME	EZ	92.9	EP			12:58	43.04				LINV	HE	122.0	IAML			10:18	43.34	2	0.54		
WPS	HZ	96.3	EP			12:58	43.29				INVG	HZ	128.0	EP			10:18	28.77			0.23	
WPS	HN	96.3	ES			12:58	54.89				INVG	HN	128.0	ES			10:18	43.74			-0.14	
WPS	HN	96.3	IAML			12:58	57.11	14	0.12		INVG	HN	128.0	IAML			10:18	44.39	2	0.14		
WPS	HE	96.3	IAML			12:58	57.77	12	0.18		INVG	HE	128.0	IAML			10:18	45.05	1	0.10		
WLF1	HZ	106.0	EP			12:58	44.80				LEWI	HN	135.0	ES			10:18	45.42			-0.29	
YRC	EZ	114.0	EP			12:58	46.10				LEWI	HN	135.0	IAML			10:18	45.75	1	0.17		
ESK	HZ	133.0	EP			12:58	49.32				LEWI	HE	135.0	IAML			10:18	46.85	2	0.27		
ESK	HE	133.0	ES			12:58	50.59															
ESK	HN	133.0	IAML			12:59	06.19	8	0.20													
ESK	HE	133.0	IAML			12:59	06.66	10	0.32													
EDMD	HZ	148.0	EP			12:58	51.55															
EDMD	HN	148.0	ES			12:59	08.48															
EDMD	HZ	148.0	IAML			12:59	09.96	18	0.17													
EDMD	HE	148.0	IAML			12:59	10.10	28	0.28													
July 25 2015				Time:	00:10 00.6 UTC	Magnitude: 1.3 ML																
Lat:	53.787N			Lon:	-2.310W	Depth: 7.7 km																
Grid Ref:	379.58 kmE					RMS: 0.40 secs																
Locality:	BURNLEY, LANCASHIRE			Velocity model:	Lownet	Xnear: 100.0 Xfar: 200.0																
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
LBWR	HZ	57.8	EP			00:10	10.37				WLF1	HZ	71.7	EP			15:38	27.03			0.00	
LBWR	HE	57.8	ES			00:10	17.41				WLF1	HN	71.7	ES			15:38	35.58			-0.19	
LBWR	HE	57.8	IAML			00:10	18.06	13	0.28		WLF1	HN	71.7	IAML			15:38	36.20	43	0.11		
LBWR	HN	57.8	IAML			00:10	20.18	11	0.33		WLF1	HE	71.7	IAML			15:38	36.88	32	0.15		
KESW	HZ	103.0	EP			00:10	17.62				WPS	HE	72.5	EP			15:38	27.26			0.11	
KESW	HN	103.0	ES			00:10	29.23				WPS	HE	72.5	ES			15:38	35.92			-0.06	
KESW	HE	103.0	IAML			00:10	31.72	8	0.38		WPS	HN	72.5	IAML			15:38	36.44	34	0.14		
KESW	HN	103.0	IAML			00:10	31.79	9	0.68		WPS	HE	72.5	IAML			15:38	36.67	20	0.24		
FOEL	HZ	116.0	EP			00:10	19.95				YLL	EZ	80.8	EP			15:38	28.58			0.12	
FOEL	HE	116.0	IAML			00:10	38.73	10	0.80		WME	EZ	83.0	EP			15:38	28.87			0.08	
FOEL	HN	116.0	IAML			00:10	39.04	8	0.58		LLW	BZ	115.0	EP			15:38	33.61			-0.04	
EDMD	HZ	118.0	EP			00:10	20.21				IWEX	BZ	119.0	EP			15:38	34.04			-0.18	
EDMD	HN	118.0	ES			00:10	34.06				IWEX	BE	119.0	IAML			15:38	49.81	22	0.20		
EDMD	HE	118.0	IAML			00:10	35.64	11	0.42		IWEX	BN	119.0	IAML			15:38	49.81	27	0.18		
EDMD	HN	118.0	IAML			00:10	35.80	10	0.23		RSBS	HZ	123.0	EP			15:38	34.96			0.04	
											ILTH	BZ	132.0	EP			15:38	36.19			0.11	
											FOEL	HZ	145.0	EP			15:38	38.09			0.02	
											FOEL	HN	145.0	ES			15:38	54.98			0.12	
											FOEL	HE	145.0	IAML			15:38	56.72	24	0.29		
											FOEL	HN	145.0	IAML			15:38	57.06	24	0.19		
											IOMK	HZ	150.0	EP			15:38	38.65			-0.02	
											HLM1	HZ	175.0	EP			15:38	42.03			-0.08	
July 26 2015				Time:	00:48 01.8 UTC	Magnitude: 1.3 ML																
Lat:	56.344N			Lon:	-5.853W	Depth: 4.5 km																
Grid Ref:	161.93 kmE					RMS: 0.40 secs																
Locality:	MULL, ARGYLL & BUTE			Velocity model:	Lownet	Xnear: 150.0 Xfar: 300.0																
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES												
LAWE	HZ	29.6	IP			00:48	07.50				KAC	EZ	31.6	EP			21:04	58.12			-0.03	
LAWE	HE	29.6	ES			00:48	11.07				KPL	HZ	38.6	EP			21:04	58.79			-0.51	
LAWE	HN	29.6	IAML			00:48	11.36	47	0.19		KPL	HE	38.6	ES			21:05	03.77			-0.65	
LAWE	HE	29.6	IAML																			

TABLE 2 : PHASE DATA

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ESY	EZ	434.0	EP	15:04	59.43	0.05	Velocity model: Lleyn Xnear: 80.0 Xfar: 200.0
WLF1	HZ	438.0	EP	15:04	59.30	-0.51	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
EBL	EZ	444.0	EP	15:05	00.74	0.09	YLL EZ 19.9 EP 09:06 07.02 0.32
WPS	HZ	445.0	EP	15:05	00.19	-0.45	YRC EZ 29.7 EP 09:06 08.36 0.18
IOMK	HZ	461.0	EP	15:05	01.98	-0.62	WLF1 HZ 30.9 EP 09:06 08.34 -0.04
IOMK	HN	461.0	IAML	15:06	15.98	105 0.36	WLF1 HE 30.9 IAML 09:06 12.10 -0.02
IOMK	HE	461.0	IAML	15:06	17.49	72 0.60	WLF1 HE 30.9 IAML 09:06 12.48 134 0.11
EDI	HZ	462.0	EP	15:05	03.59	0.82	WLF1 HN 30.9 IAML 09:06 12.74 61 0.07
WIM	EZ	465.0	EP	15:05	02.78	-0.40	WME EZ 43.1 EP 09:06 10.13 -0.21
NEWG	HZ	470.0	EP	15:05	03.68	-0.15	WPS HZ 44.0 EP 09:06 10.46 -0.01
GAL1	HZ	488.0	EP	15:05	05.83	-0.23	WPS HN 44.0 ES 09:06 15.46 -0.17
DRUM	HZ	511.0	EP	15:05	08.88	-0.06	WPS HN 44.0 IAML 09:06 15.75 16 0.16
HTL	HZ	516.0	EP	15:05	09.38	-0.17	WPS HE 44.0 IAML 09:06 16.27 14 0.24
HTL	HE	516.0	IAML	15:06	34.31	146 0.50	LLW BZ 51.2 EP 09:06 11.56 -0.09
HTL	HN	516.0	IAML	15:06	36.93	126 0.56	LLW BN 51.2 ES 09:06 17.64 0.01
DYA	HZ	519.0	EP	15:05	08.85	-1.11	LLW BN 51.2 IAML 09:06 18.11 8 0.35
DYA	HE	519.0	IAML	15:06	32.42	60 0.54	LLW BE 51.2 IAML 09:06 18.34 10 0.35
DYA	HN	519.0	IAML	15:06	36.72	76 0.52	FOEL HZ 80.3 EP 09:06 16.11 -0.18
PGB1	HZ	521.0	EP	15:05	10.64	0.47	FOEL HE 80.3 ES 09:06 25.40 -0.02
PGB1	HN	521.0	IAML	15:06	34.55	64 0.60	FOEL HE 80.3 IAML 09:06 26.43 13 0.38
PGB1	HE	521.0	IAML	15:06	41.35	82 0.54	FOEL HN 80.3 IAML 09:06 29.23 16 0.78
EAB	EZ	537.0	EP	15:05	12.36	0.20	HLM1 HZ 115.0 EP 09:06 21.65 0.03
JSA	HZ	537.0	EP	15:05	11.46	-0.70	HLM1 HE 115.0 ES 09:06 34.53 0.16
JSA	HN	537.0	IAML	15:06	40.19	97 0.52	HLM1 HE 115.0 IAML 09:06 36.06 3 0.08
JSA	HE	537.0	IAML	15:06	45.70	84 0.48	HLM1 HN 115.0 IAML 09:06 36.83 3 0.18
INVG	HZ	539.0	EP	15:05	12.31	-0.09	WIM EZ 128.0 EP 09:06 23.69 0.09
GMM	EZ	549.0	EP	15:05	13.02	-0.59	IOMK HZ 140.0 EP 09:06 25.26 -0.11
CLGH	HZ	581.0	EP	15:05	16.85	-0.81	IOMK HE 140.0 ES 09:06 41.19 0.52
LAWE	HZ	596.0	EP	15:05	19.12	-0.39	IOMK HE 140.0 IAML 09:06 42.57 14 0.22
MCD	EZ	599.0	EP	15:05	19.38	-0.51	IOMK HN 140.0 IAML 09:06 42.69 11 0.17
KAC	EZ	675.0	EP	15:05	28.70	-0.68	August 12 2015 Time: 10:26 28.3 UTC Magnitude: 1.2 ML
KPL	HZ	679.0	EP	15:05	29.95	0.07	Lat: 58.625N Lon: -4.893W Depth: 7.7 km
BIGH	HZ	703.0	EP	15:05	32.03	-0.91	Grid Ref: 232.04 kmE 974.37 kmN RMS: 0.40 secs
LINV	HZ	721.0	EP	15:05	34.44	-0.71	Locality: DURNESS,HIGHLAND
August 9 2015 Time: 08:07 39.1 UTC Magnitude: 1.2 ML							
Lat: 54.978N	Lon: -2.195W	Depth: 3.5 km	Comment: 10KM NW DURNESS	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			
Grid Ref: 387.52 kmE 564.85 kmN	RMS: 0.30 secs		LINV HZ 56.1 EP 10:26 37.74 -0.08				
Locality: HEXHAM,NORTHUMBERLAND			LINV HE 56.1 ES 10:26 44.55 -0.25				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0			LINV HE 56.1 IAML 10:26 45.41 9 0.42				
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			LINV HN 56.1 IAML 10:26 51.57 12 0.12				
EDMD	HZ	22.1	EP	08:07	43.23	-0.12	BIGH HZ 59.0 EP 10:26 38.26 -0.02
EDMD	HE	22.1	ES	08:07	46.16	-0.26	BIGH HN 59.0 ES 10:26 45.18 -0.41
EDMD	HN	22.1	IAML	08:07	46.31	156 0.14	BIGH HE 59.0 IAML 10:26 45.43 32 0.12
EDMD	HE	22.1	IAML	08:07	46.31	125 0.12	BIGH HN 59.0 IAML 10:26 46.06 30 0.16
KESW	HZ	72.8	IP	C	51.46	-0.21	LEWI HZ 127.0 EP 10:26 49.11 0.25
KESW	HN	72.8	ES	08:08	01.11	0.30	LEWI HN 127.0 ES 10:27 03.45 -0.43
ESK	HZ	74.6	EP	08:07	52.06	0.12	LEWI HN 127.0 IAML 10:27 05.34 7 0.38
ESK	HN	74.6	ES	08:08	00.90	-0.40	LEWI HE 127.0 IAML 10:27 06.74 6 0.44
ESK	HE	74.6	ES	08:08	00.97		KAC EZ 128.0 EP 10:26 49.14 0.25
ESK	HN	74.6	IAML	08:08	01.12	10 0.18	MDO EZ 136.0 EP 10:26 50.73 0.68
GDLE	HZ	108.0	EP	08:07	57.70	0.54	August 12 2015 Time: 11:59 52.6 UTC Magnitude: 1.3 ML
GDLE	HN	108.0	ES	08:08	10.47	0.16	Lat: 58.629N Lon: -4.892W Depth: 7.9 km
GDLE	HZ	108.0	IAML	08:08	11.95	22 0.30	Grid Ref: 232.11 kmE 974.81 kmN RMS: 0.40 secs
GDLE	HE	108.0	IAML	08:08	12.25	10 0.36	Locality: DURNESS,HIGHLAND
HPK	HN	119.0	ES	08:08	12.92	-0.36	Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0
HPK	HE	119.0	IAML	08:08	13.85	9 0.14	Comment: 10KM NW DURNESS
HPK	HN	119.0	IAML	08:08	13.97	8 0.15	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
NEWG	HZ	131.0	EP	08:08	00.90	0.24	LINV HZ 56.6 EP 12:00 02.02 -0.18
NEWG	HE	131.0	ES	08:08	16.53	0.15	LINV HE 56.6 ES 12:00 08.83 -0.40
NEWG	HE	131.0	IAML	08:08	16.64	2 0.16	LINV HE 56.6 IAML 12:00 10.71 9 0.24
NEWG	HN	131.0	IAML	08:08	17.23	3 0.13	LINV HN 56.6 IAML 12:00 15.75 13 0.48
GAL1	HN	162.0	ES	08:08	24.04	0.02	BIGH HZ 59.1 EP 12:00 02.56 -0.04
GAL1	HN	162.0	IAML	08:08	24.93	2 0.27	BIGH HE 59.1 ES 12:00 09.46 -0.46
GAL1	HE	162.0	IAML	08:08	25.35	1 0.12	BIGH HE 59.1 IAML 12:00 09.72 39 0.12
IOMK	HZ	173.0	EP	08:08	06.96	0.31	BIGH HN 59.1 IAML 12:00 10.25 44 0.14
August 9 2015 Time: 23:19 36.0 UTC Magnitude: 0.9 ML							
Lat: 55.807N	Lon: -6.448W	Depth: 7.1 km	KAC EZ 128.0 EP 12:00 13.35 0.10				
Grid Ref: 121.34 kmE 666.03 kmN	RMS: 0.40 secs		LEWI HZ 128.0 EP 12:00 13.38 0.20				
Locality: ISLAY,ARGYLL & BUTE			LEWI HN 128.0 ES 12:00 27.72 -0.50				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0			LEWI HE 128.0 IAML 12:00 29.26 7 0.10				
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			LEWI HE 128.0 IAML 12:00 30.92 6 0.16				
LAWE	HZ	82.6	EP	23:19	49.43	-0.24	MDO EZ 136.0 EP 12:00 14.98 0.57
LAWE	HE	82.6	ES	23:19	59.58	-0.08	KPL HZ 151.0 EP 12:00 17.12 0.71
LAWE	HE	82.6	IAML	23:20	02.63	4 0.14	KPL HE 151.0 IAML 12:00 37.45 8 0.18
LAWE	HN	82.6	IAML	23:20	03.04	4 0.09	KPL HN 151.0 IAML 12:00 38.52 4 0.48
CLGH	HZ	83.4	EP	23:19	50.43	0.61	August 16 2015 Time: 14:54 57.2 UTC Magnitude: 1.6 ML
CLGH	HE	83.4	ES	23:19	59.36	-0.57	Lat: 57.491N Lon: -5.259W Depth: 11.2 km
CLGH	HE	83.4	IAML	23:20	01.55	5 0.20	Grid Ref: 204.70 kmE 849.19 kmN RMS: 0.20 secs
CLGH	HN	83.4	IAML	23:20	01.88	6 0.20	Locality: ACHNASHEEN,HIGHLAND
PGB1	HZ	123.0	EP	23:19	56.32	0.35	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
PGB1	HE	123.0	ES	23:20	10.72	0.14	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
August 11 2015 Time: 09:06 02.9 UTC Magnitude: 1.2 ML							
Lat: 53.012N	Lon: -4.378W	Depth: 10.7 km	KAC EZ 2.5 IP C 14:55 00.14 0.23				
Grid Ref: 240.48 kmE 348.76 kmN	RMS: 0.20 secs		KPL HZ 29.1 IP D 14:55 02.90 0.15				
Locality: LLEYN PENINSULA			KPL HE 29.1 ES 14:55 06.63 -0.21				
			KPL HN 29.1 IAML 14:55 06.85 84 0.18				
			KPL HE 29.1 IAML 14:55 06.86 78 0.22				

TABLE 2 : PHASE DATA

MDO	EZ	54.1	EP	14:55	06.22	-0.35	DYA	HZ	443.0	EP	05:26	21.40	0.13												
LINV	HZ	73.1	EP	14:55	09.49	0.07	DYA	HE	443.0	IAML	05:27	38.64	15 0.94												
LINV	HN	73.1	ES	14:55	18.30	-0.07	DYA	HN	443.0	IAML	05:27	46.24	8 0.30												
LINV	HN	73.1	IAML	14:55	18.49	20 0.10	August 23 2015 Time: 22:43 54.8 UTC Magnitude: 0.7 ML																		
LEWI	HZ	120.0	EP	14:55	16.20	-0.06	Lat: 52.946N	Lon:	-4.402W	Depth: 19.3 km															
MCD	EZ	121.0	EP	14:55	16.63	0.32	Grid Ref: 238.63 kmE 341.47 kmN	RMS: 0.20 secs																	
BIGH	HZ	137.0	EP	14:55	18.51	-0.14	Locality: LLEYN PENINSULA																		
BIGH	HE	137.0	IAML	14:55	36.57	16 0.14	Velocity model: Lleyn Xnear: 80.0 Xfar: 200.0																		
BIGH	HN	137.0	IAML	14:55	37.34	18 0.18	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES																		
INVG	HZ	140.0	EP	14:55	19.26	0.22	YLL EZ 26.6 EP 22:44 00.12																		
INVG	HN	140.0	IAML	14:55	37.18	8 0.20	YRC EZ 35.8 EP 22:44 01.44																		
INVG	HE	140.0	IAML	14:55	37.53	12 0.14	WLF1 HZ 38.1 EP 22:44 01.63																		
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0																									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	WPS HE 50.9 ES 22:44 09.88	0.27													
PGB1	HZ	32.7	EP	17:37	20.27	0.10	WPS HN 50.9 IAML 22:44 09.87																		
PGB1	HE	32.7	ES	17:37	24.50	-0.02	WPS HE 50.9 IAML 22:44 10.42																		
PGB1	HE	32.7	IAML	17:37	24.62	7 0.20	FOEL HZ 81.1 EP 22:44 08.01																		
PGB1	HN	32.7	IAML	17:37	24.80	4 0.30	FOEL HN 81.1 ES 22:44 17.38																		
LAWE	HN	43.1	IP	C	17:37	22.01	FOEL HE 81.1 IAML 22:44 20.41																		
LAWE	HN	43.1	ES		17:37	27.09	FOEL HN 81.1 IAML 22:44 20.57																		
INVG	HZ	70.4	EP		17:37	26.31	HLM1 HZ 113.0 EP 22:44 13.16																		
INVG	HN	70.4	ES		17:37	34.26	HLM1 HN 113.0 ES 22:44 25.95																		
INVG	HE	70.4	IAML		17:37	35.46	HLM1 HE 113.0 IAML 22:44 27.36																		
INVG	HN	70.4	IAML		17:37	35.72	HLM1 HN 113.0 IAML 22:44 27.97																		
NEWG	HZ	107.0	EP		17:37	32.02	August 26 2015 Time: 17:29 36.8 UTC Magnitude: 2.2 ML																		
NEWG	HE	107.0	ES		17:37	43.88	Lat: 59.046N	Lon:	1.782W	Depth: 10.0 km															
NEWG	HN	107.0	IAML		17:37	46.06	Grid Ref: 616.90 kmE 1023.76 kmN																		
NEWG	HE	107.0	IAML		17:37	46.48	RMS: 0.40 secs																		
GAL1	HZ	127.0	EP		17:37	35.13	Locality: NORTHERN NORTH SEA																		
GAL1	HE	127.0	ES		17:37	49.11	Velocity model: North Sea Xnear: 400.0 Xfar: 600.0																		
GAL1	HE	127.0	IAML		17:37	50.89	Comment: 310KM NE ABERDEEN																		
GAL1	HN	127.0	IAML		17:37	51.26	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES																		
CLGH	HE	128.0	ES		17:37	49.24	LRW HZ 207.0 EP 17:30 06.70																		
CLGH	HN	128.0	IAML		17:37	51.87	LRW HN 207.0 IAML 17:30 29.63																		
CLGH	HE	128.0	IAML		17:37	51.87	LRW HE 207.0 IAML 17:30 34.06																		
ESK	HN	130.0	ES		17:37	51.00	DRUM HZ 347.0 EP 17:30 22.02																		
ESK	HN	130.0	IAML		17:37	52.45	DRUM HE 347.0 ES 17:30 59.74																		
ESK	HE	130.0	IAML		17:37	52.90	DRUM HE 347.0 IAML 17:31 02.71																		
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	WAL1 EZ 234.0 EP 9	September 4 2015 Time: 03:23 50.9 UTC Magnitude: 0.9 ML													
INVG	HZ	23.0	IP	C	22:50	56.00	Lat: 54.178N	Lon:	-2.917W	Depth: 5.6 km	WAL1 HE 234.0 EP 17:30 23.24														
INVG	HE	23.0	ES		22:50	58.82	Grid Ref: 340.15 kmE 476.21 kmN																		
INVG	HE	23.0	IAML		22:50	58.90	RMS: 0.20 secs																		
INVG	HN	23.0	IAML		22:50	58.94	Locality: KENTS BANK, CUMBRIA																		
LAWE	HN	75.7	ES		22:51	13.80	Velocity model: Borders Xnear: 100.0 Xfar: 200.0																		
KPL	HZ	118.0	EP		22:51	11.05	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES																		
KPL	HE	118.0	ES		22:51	25.07	KESW HZ 47.3 EP 03:23 59.14																		
KPL	HN	118.0	IAML		22:51	25.17	KESW HE 47.3 ES 03:24 05.41																		
KPL	HE	118.0	IAML		22:51	25.59	EDMD HZ 95.4 EP 03:24 07.25																		
DRUM	HZ	118.0	EP		22:51	11.22	EDMD HE 95.4 ES 03:24 18.23																		
DRUM	HE	118.0	ES		22:51	25.06	EDMD HN 95.4 IAML 03:24 19.55																		
DRUM	HN	118.0	IAML		22:51	26.81	EDMD HN 95.4 IAML 03:24 21.36																		
DRUM	HE	118.0	IAML		22:51	27.47	IOMK HZ 108.0 EP 03:24 08.89																		
ESK	HN	156.0	ES		22:51	35.28	IOMK HE 108.0 ES 03:24 21.85																		
ESK	HN	156.0	IAML		22:51	36.85	EDMD HZ 95.4 EP 03:24 13.55																		
ESK	HE	156.0	IAML		22:51	37.10	EDMD HE 95.4 ES 03:24 28.98																		
NEWG	HN	162.0	ES		22:51	36.89	NEWG HN 135.0 IAML 03:24 30.04																		
NEWG	HN	162.0	IAML		22:51	37.87	NEWG HE 135.0 IAML 03:24 30.53																		
NEWG	HE	162.0	IAML		22:51	38.01	GAL1 HN 139.0 ES 03:24 30.12																		
Velocity model: Cornwall Xnear: 200.0 Xfar: 500.0																									
Comment: 305KM WSW LAND'S END</td																									

TABLE 2 : PHASE DATA

STRD	HZ	49.8	EP	18:14	49.17	0.17	KPL	HZ	15.8	IP	C	23:35	18.84	0.09
STRD	HN	49.8	ES	18:14	55.24	-0.19	KPL	HE	15.8	ES		23:35	20.91	-0.19
STRD	HE	49.8	IAML	18:14	56.26	13 0.26	KPL	HE	15.8	IAML		23:35	21.52	15 0.26
STRD	HN	49.8	IAML	18:14	56.27	9 0.13	KPL	HN	15.8	IAML		23:35	21.54	9 0.22
HLM1	HZ	75.2	EP	18:14	52.83	0.09	LAWE	HN	106.0	ES		23:35	45.58	-0.09
HLM1	HN	75.2	ES	18:15	01.71	-0.20	LINV	HZ	110.0	EP		23:35	33.86	0.38
HLM1	HN	75.2	IAML	18:15	02.00	4 0.12	LINV	HE	110.0	ES		23:35	46.51	-0.07
HLM1	HE	75.2	IAML	18:15	02.12	6 0.20	LINV	HN	110.0	IAML		23:35	49.36	1 0.13
LLW	BZ	124.0	ES	18:15	14.37	0.43	LINV	HE	110.0	IAML		23:35	49.43	2 0.12
RSBS	HZ	129.0	EP	18:15	00.10	-0.33	LEWI	HZ	126.0	IP	D	23:35	36.20	0.09
RSBS	HE	129.0	ES	18:15	15.15	-0.06	LEWI	HE	126.0	ES		23:35	50.88	-0.26
RSBS	HE	129.0	IAML	18:15	16.55	4 0.10	LEWI	HN	126.0	IAML		23:35	53.85	3 0.45
RSBS	HN	129.0	IAML	18:15	16.61	4 0.20	LEWI	HE	126.0	IAML		23:35	54.26	3 0.29
RSBS	HN	129.0	IAML	18:15	16.61	4 0.20	INVG	HZ	133.0	EP		23:35	37.52	0.53
September 7 2015				Time: 09:45	23.7	UTC	Magnitude: 0.9	ML						-0.51
Lat: 51.259N				Lat:	51.259N		Depth:	8.4	km					
Grid Ref: 297.23 kmE				Lon:	-3.473W		RMS:	0.50	secs					
Locality: BRISTOL CHANNEL														
Velocity model: Lownet	Xnear:	100.0	Xfar:	150.0										
Comment: 6KM NORTH MINEHEAD														
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES				
HTL	HZ	76.7	EP			09:45	37.00							
HTL	HE	76.7	ES			09:45	45.00							
MCH1	HZ	88.5	EP			09:45	38.18							
MCH1	HE	88.5	ES			09:45	48.65							
MCH1	HN	88.5	IAML			09:45	48.85	3 0.13						
MCH1	HE	88.5	IAML			09:45	49.06	3 0.11						
DYA	HZ	97.1	EP			09:45	40.06							
DYA	HE	97.1	ES			09:45	51.07							
DYA	HN	97.1	IAML			09:45	53.64	7 0.21						
DYA	HE	97.1	IAML			09:45	54.53	8 0.21						
RSBS	HZ	117.0	EP			09:45	43.10							
RSBS	HE	117.0	ES			09:45	57.26							
RSBS	HN	117.0	IAML			09:45	58.62	3 0.16						
RSBS	HE	117.0	IAML			09:45	59.03	3 0.08						
HLM1	HZ	146.0	EP			09:45	47.16							
HLM1	HE	146.0	ES			09:46	04.05							
HLM1	HE	146.0	IAML			09:46	06.52	4 0.42						
HLM1	HN	146.0	IAML			09:46	08.43	2 0.18						
September 7 2015				Time: 12:15	53.3	UTC	Magnitude: 0.8	ML						
Lat: 54.521N				Lat:	-5.986W		Depth:	3.3	km					
Grid Ref: 142.09 kmE				Grid Ref:	521.29 kmN		RMS:	0.40	secs					
Locality: DRUMBEG,COUNTY DOWN				Locality:	DRUMBEG,COUNTY DOWN									
Velocity model: Lownet	Xnear:	100.0	Xfar:	200.0										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES				
CLGH	HZ	63.0	EP			12:16	04.74							
CLGH	HN	63.0	ES			12:16	12.02							
CLGH	HE	63.0	IAML			12:16	14.01	4 0.17						
CLGH	HN	63.0	IAML			12:16	16.13	3 0.15						
GALL	HZ	90.7	EP			12:16	08.12							
GALL	HE	90.7	ES			12:16	19.53							
GALL	HN	90.7	IAML			12:16	21.35	5 0.25						
GALL	HE	90.7	IAML			12:16	22.50	5 0.23						
NEWG	HZ	131.0	EP			12:16	14.95							
NEWG	HE	131.0	ES			12:16	31.08							
NEWG	HN	131.0	IAML			12:16	32.00	3 0.18						
NEWG	HE	131.0	IAML			12:16	32.27	2 0.14						
September 7 2015				Time: 17:22	27.2	UTC	Magnitude: 0.8	ML						
Lat: 57.190N				Lat:	-5.737W		Depth:	2.5	km					
Grid Ref: 174.23 kmE				Grid Ref:	817.19 kmN		RMS:	0.30	secs					
Locality: SKYE,HIGHLAND				Locality:	SKYE,HIGHLAND									
Velocity model: Lownet	Xnear:	100.0	Xfar:	150.0										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES				
KPL	HZ	17.4	IP			C	17:22	30.67						
KPL	HE	17.4	ES				17:22	32.74						
KPL	HE	17.4	IAML				17:22	33.36	23 0.28					
KPL	HN	17.4	IAML				17:22	33.92	12 0.22					
LAWE	HN	106.0	ES				17:22	57.68						
LINV	HZ	111.0	EP				17:22	45.71						
LINV	HE	111.0	ES				17:22	59.78						
LINV	HN	111.0	IAML				17:23	01.21	2 0.15					
LINV	HE	111.0	IAML				17:23	01.28	3 0.15					
LEWI	HZ	126.0	IP			D	17:22	48.03						
LEWI	HE	126.0	ES				17:23	02.76						
LEWI	HE	126.0	IAML				17:23	04.09	3 0.14					
LEWI	HN	126.0	IAML				17:23	05.74	2 0.11					
INVG	HZ	134.0	EP				17:22	49.40						
INVG	HE	134.0	ES				17:23	04.56						
INVG	HN	134.0	IAML				17:23	05.65	3 0.08					
INVG	HE	134.0	IAML				17:23	05.81	4 0.26					
September 8 2015				Time: 23:35	15.5	UTC	Magnitude: 0.7	ML						
Lat: 57.199N				Lat:	-5.696W		Depth:	6.1	km					
Grid Ref: 176.76 kmE				Grid Ref:	818.06 kmN		RMS:	0.30	secs					
Locality: SKYE,HIGHLAND				Locality:	SKYE,HIGHLAND									
Velocity model: Lownet	Xnear:	100.0	Xfar:	150.0										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES				
IOMK	HN	124.0	ES											
IOMK	HE	124.0	IAML											
IOMK	HE	124.0	IAML											
DSB	BZ	128.0	EP											
HLM1	HN	128.0	ES											

TABLE 2 : PHASE DATA

TABLE 2 : PHASE DATA

PGB1	HZ	84.0	EP	11:23	11.70	0.43	Lat: 52.822N	Lon: -3.282W	Depth: 8.8 km
PGB1	HE	84.0	ES	11:23	21.97	0.24	Grid Ref: 313.62 kmE	325.75 kmN	RMS: 0.10 secs
PGB1	HE	84.0	IAML	11:23	25.02	4 0.30	Locality: PENYBONTFAWR, POWYS		
PGB1	HN	84.0	IAML	11:23	25.11	6 0.18	Velocity model: Lownet	Xnear: 100.0 Xfar: 150.0	
IOMK	HZ	107.0	EP	11:23	15.28	0.40	STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI RES	
IOMK	HN	107.0	ES	11:23	28.40	0.44	FOEL HZ 9.3 EP	02:06 47.14	0.10
IOMK	HE	107.0	IAML	11:23	29.44	8 0.11	FOEL HN 9.3 ES	02:06 48.84	-0.03
IOMK	HN	107.0	IAML	11:23	30.65	7 0.13	FOEL HE 9.3 IAML	02:06 49.32	40 0.12
ESY	EZ	118.0	EP	11:23	16.75	0.16	FOEL HN 9.3 IAML	02:06 49.34	45 0.16
CLGH	HZ	142.0	EP	11:23	20.61	0.40	HLM1 HZ 43.3 EP	02:06 52.19	0.00
CLGH	HE	142.0	ES	11:23	37.50	0.32	HLM1 HE 43.3 ES	02:06 57.56	-0.21
							HLM1 HN 43.3 IAML	02:06 57.86	5 0.11
							HLM1 HE 43.3 IAML	02:06 57.94	5 0.10
September 25 2015	Time:	19:52	19.1	UTC	Magnitude:	1.0 ML			
Lat: 51.875N	Lon:	-1.769W			Depth:	10.5 km			
Grid Ref: 415.90 kmE		219.68 kmN			RMS:	0.20 secs			
Locality: BOURTON'WATER, GLOS									
Velocity model: Lownet	Xnear:	100.0	Xfar:	200.0					
Comment: BOURTON-ON-THE-WATER									
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI RES								
STRD HZ 29.3 IP	C 19:52 24.70	0.10							
STRD HE 29.3 ES	19:52 28.73	0.14							
STRD HE 29.3 IAML	19:52 29.23	30 0.10							
STRD HN 29.3 IAML	19:52 29.35	25 0.08							
SWNL HZ 40.3 EP	19:52 26.12	-0.17							
SWNL HN 40.3 ES	19:52 31.60	0.10							
SWNL HE 40.3 IAML	19:52 32.04	40 0.14							
SWNL HN 40.3 IAML	19:52 32.10	19 0.19							
OLDB HZ 59.0 EP	19:52 28.93	-0.21							
OLDB HN 59.0 ES	19:52 36.33	-0.11							
CWF HZ 101.0 EP	19:52 35.92	0.21							
CWF HN 101.0 ES	19:52 47.57	-0.23							
CWF HN 101.0 IAML	19:52 48.05	4 0.09							
CWF HE 101.0 IAML	19:52 48.16	4 0.14							
HLM1 HZ 104.0 EP	19:52 36.40	0.13							
HLM1 HN 104.0 ES	19:52 48.81	0.04							
HLM1 HE 104.0 IAML	19:52 49.15	2 0.24							
HLM1 HN 104.0 IAML	19:52 49.17	2 0.46							
September 27 2015	Time:	02:49	38.8	UTC	Magnitude:	0.5 ML			
Lat: 52.370N	Lon:	-3.115W			Depth:	13.8 km			
Grid Ref: 324.10 kmE		275.29 kmN			RMS:	0.20 secs			
Locality: KNIGHTON, POWYS									
Velocity model: Mid Wales	Xnear:	150.0	Xfar:	300.0					
Comment: 5KM NW KNIGHTON									
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI RES								
HLM1 HZ 23.0 EP	02:49 43.31	-0.14							
HLM1 HN 23.0 ES	02:49 46.77	0.00							
HLM1 HN 23.0 IAML	02:49 47.37	5 0.09							
HLM1 HE 23.0 IAML	02:49 47.44	6 0.12							
FOEL HZ 58.1 EP	02:49 49.02	0.06							
FOEL HE 58.1 ES	02:49 56.27	0.02							
FOEL HN 58.1 IAML	02:49 56.52	4 0.20							
FOEL HE 58.1 IAML	02:49 56.79	3 0.34							
LLW BZ 65.1 EP	02:49 50.00	0.03							
LLW BN 65.1 ES	02:49 57.86	-0.13							
STNC HZ 101.0 EP	02:49 55.66	0.27							
RSBS HZ 121.0 EP	02:49 58.29	-0.07							
RSBS HN 121.0 IAML	02:50 14.22	2 0.23							
RSBS HE 121.0 IAML	02:50 15.11	2 0.08							
CWF HZ 129.0 EP	02:49 59.90	0.27							
CWF HN 129.0 ES	02:50 14.29	-0.31							
CWF HE 129.0 IAML	02:50 15.43	2 0.12							
CWF HN 129.0 IAML	02:50 15.53	2 0.19							
September 27 2015	Time:	22:33	35.5	UTC	Magnitude:	1.1 ML			
Lat: 49.981N	Lon:	-5.384W			Depth:	6.8 km			
Grid Ref: 157.43 kmE		14.54 kmN			RMS:	0.20 secs			
Locality: MOUNT'S BAY, CORNWALL									
Velocity model: Lownet	Xnear:	500.0	Xfar:	1000.0					
Comment: 13KM WNW LIZARD PT									
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI RES								
CCA1 HZ 25.5 EP	22:33 40.32	-0.08							
CCA1 HE 25.5 ES	22:33 44.15	0.19							
CCA1 HN 25.5 IAML	22:33 44.21	24 0.10							
CCA1 HE 25.5 IAML	22:33 44.23	48 0.14							
SBD BZ 81.9 EP	22:33 49.03	-0.12							
SBD BN 81.9 ES	22:33 58.66	-0.44							
SBD BE 81.9 IAML	22:33 58.84	14 0.35							
SBD BN 81.9 IAML	22:33 58.87	10 0.30							
DYA HZ 115.0 EP	22:33 54.43	0.07							
DYA HN 115.0 ES	22:34 08.21	0.10							
DYA HN 115.0 IAML	22:34 08.98	2 0.22							
DYA HE 115.0 IAML	22:34 09.97	3 0.23							
HTL HZ 130.0 EP	22:33 56.49	0.04							
HTL HN 130.0 ES	22:34 11.97	0.24							
HTL HE 130.0 IAML	22:34 12.66	3 0.15							
HTL BN 130.0 IAML	22:34 13.77	4 0.34							
September 30 2015	Time:	02:06	44.5	UTC	Magnitude:	0.7 ML			
Lat: 53.153N	Lon:	-4.324W			Depth:	7.0 km			
Grid Ref: 244.61 kmE		364.32 kmN			RMS:	0.10 secs			
Locality: NEWBOROUGH, ANGLESEY									
Velocity model: Lownet	Xnear:	50.0	Xfar:	100.0					
STAT CO DIST PHAS WT P HrMn	SECS AMPL PERI RES								
WLF1 HZ 15.9 EP	22:06 37.21	0.08							
WLF1 HE 15.9 ES	22:06 39.50	-0.03							
WLF1 HN 15.9 IAML	22:06 39.63	25 0.06							
WLF1 HE 15.9 IAML	22:06 39.71	29 0.18							
YRC EZ 20.0 IP	D 22:06 37.73	-0.05							
WME EZ 27.2 EP	22:06 38.94	-0.00							
WPS HZ 29.9 EP	22:06 39.36	0.02							
LLW BZ 55.7 EP	22:06 43.50	0.13							
LLW BN 55.7 ES	22:06 50.22	-0.12							
LLW BN 55.7 IAML	22:06 50.41	1 0.15							
LLW BE 55.7 IAML	22:06 50.49	2 0.15							

TABLE 2 : PHASE DATA

October 3 2015	Time: 03:27 21.7 UTC	Magnitude: 0.6 ML	HLM1	HN	94.9	ES	02:54	06.43	0.24
Lat: 57.098N	Lon: -5.356W	Depth: 8.0 km	HLM1	HE	94.9	IAML	02:54	10.35	4 0.16
Grid Ref: 196.73 kmE 805.76 kmN		RMS: 0.20 secs	HLM1	HN	94.9	IAML	02:54	10.47	2 0.21
Locality: KINLOCH HOURN,HIGHLAND			RSBS	HZ	113.0	EP	02:53	57.24	-0.02
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0			LLW	BZ	134.0	EP	02:54	00.54	0.05
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			LLW	BN	134.0	ES	02:54	16.46	-0.15
KPL HZ 32.2 EP 02:27 27.63 0.08			CWF	HZ	173.0	EP	02:54	06.03	0.01
KPL HN 32.2 ES 02:27 31.66 -0.16			CWF	HN	173.0	ES	02:54	26.10	-0.07
KPL HN 32.2 IAML 02:27 32.14 8 0.19			CWF	HE	173.0	IAML	02:54	28.31	3 0.22
KPL HE 32.2 IAML 02:27 32.20 5 0.12			CWF	HN	173.0	IAML	02:54	28.86	2 0.30
KAC EZ 44.7 EP 02:27 29.55 0.02			October 5 2015	Time: 03:09 23.7 UTC	Magnitude: 0.7 ML				
INVG HZ 110.0 EP 02:27 39.98 0.37			Lat: 55.721N	Lon: -5.478W	Depth: 10.7 km				
INVG HE 110.0 ES 02:27 52.37 -0.30			Grid Ref: 181.59 kmE 652.99 kmN		RMS: 0.10 secs				
INVG HE 110.0 IAML 02:27 54.28 1 0.13			Locality: CLACHAN,ARGYLL & BUTE						
INVG HN 110.0 IAML 02:27 54.57 2 0.38			Velocity model: Lownet Xnear: 75.0 Xfar: 150.0						
LINV HZ 117.0 EP 02:27 40.65 -0.08			STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES						
LINV HN 117.0 ES 02:27 54.68 0.07			PGB1 HZ 63.2 EP 03:09 34.39 0.02						
LINV HN 117.0 IAML 02:27 56.56 1 0.36			PGB1 HN 63.2 ES 03:09 42.19 0.01						
LINV HE 117.0 IAML 02:27 57.36 2 0.44			PGB1 HN 63.2 IAML 03:09 42.70 6 0.17						
October 3 2015	Time: 18:36 16.0 UTC	Magnitude: 0.2 ML	PGB1 HN 63.2 IAML 03:09 42.95 8 0.14						
Lat: 54.742N	Lon: -3.651W	Depth: 2.5 km	NEWG HZ 104.0 EP 03:09 40.54 -0.10						
Grid Ref: 293.73 kmE 539.82 kmN		RMS: 0.20 secs	NEWG HN 104.0 ES 03:09 52.93 -0.09						
Locality: SOLWAY FIRTH			NEWG HN 104.0 IAML 03:09 53.16 2 0.16						
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0			NEWG HN 104.0 IAML 03:09 53.30 2 0.22						
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			GAL1 HE 107.0 ES 03:09 53.99 0.13						
KESW HZ 39.1 EP 18:36 23.21 0.10			INVG HZ 119.0 EP 03:09 42.82 -0.05						
KESW HN 39.1 ES 18:36 28.18 -0.15			INVG HE 119.0 ES 03:09 56.90 0.01						
KESW HE 39.1 IAML 18:36 28.42 1 0.18			INVG HE 119.0 IAML 03:09 58.47 1 0.41						
KESW HN 39.1 IAML 18:36 28.77 1 0.13			INVG HE 119.0 IAML 03:09 58.98 1 0.29						
NEWG HZ 55.9 EP 18:36 26.08 0.23			ESK HZ 150.0 EP 03:09 47.69 0.32						
NEWG HE 55.9 ES 18:36 32.83 -0.23			October 5 2015	Time: 03:44 59.1 UTC	Magnitude: 1.5 ML				
NEWG HE 55.9 IAML 18:36 32.99 1 0.20			Lat: 51.660N	Lon: -3.160W	Depth: 10.8 km				
NEWG HN 55.9 IAML 18:36 33.06 1 0.19			Grid Ref: 319.77 kmE 196.38 kmN		RMS: 0.20 secs				
GAL1 HZ 69.6 EP 18:36 27.88 -0.08			Locality: BLACKWOOD,CAERPHILLY						
ESK HE 70.0 ES 18:36 36.99 0.10			Velocity model: Lownet Xnear: 150.0 Xfar: 300.0						
IOMK HZ 79.9 EP 18:36 29.45 -0.12			STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES						
IOMK HE 79.9 ES 18:36 39.66 0.15			MCH1 HZ 39.1 EP 03:45 06.09 -0.16						
IOMK HN 79.9 IAML 18:36 40.67 3 0.14			MCH1 HE 39.1 ES 03:45 11.42 -0.04						
IOMK HE 79.9 IAML 18:36 41.12 2 0.07			MCH1 HN 39.1 IAML 03:45 11.59 87 0.12						
October 4 2015	Time: 02:22 54.3 UTC	Magnitude: 1.1 ML	MCH1 HE 39.1 IAML 03:45 11.61 72 0.12						
Lat: 55.868N	Lon: -5.408W	Depth: 7.7 km	OLDB HZ 42.2 EP 03:45 06.63 -0.11						
Grid Ref: 186.79 kmE 669.12 kmN		RMS: 0.30 secs	OLDB HE 42.2 ES 03:45 12.33 0.03						
Locality: TARBERT,ARGYLL & BUTE			OLDB HE 42.2 IAML 03:45 12.76 78 0.48						
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0			OLDB HN 42.2 IAML 03:45 17.00 76 0.38						
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			STRD HZ 70.1 EP 03:45 11.36 0.16						
PGB1 HZ 58.2 IP 02:23 04.28 0.09			STRD HE 70.1 IAML 03:45 20.78 23 0.31						
PGB1 HN 58.2 ES 02:23 11.20 -0.22			STRD HE 70.1 IAML 03:45 26.97 38 0.56						
PGB1 HN 58.2 IAML 02:23 13.75 4 0.40			HLM1 HZ 97.4 EP 03:45 15.56 0.10						
PGB1 HE 58.2 IAML 02:23 15.28 5 0.20			HLM1 HE 97.4 ES 03:45 27.16 -0.24						
CLGH HZ 98.1 EP 02:23 10.76 0.39			HLM1 HE 97.4 IAML 03:45 31.63 10 0.14						
CLGH HN 98.1 ES 02:23 21.76 -0.36			HLM1 HE 97.4 IAML 03:45 31.63 17 0.18						
CLGH HE 98.1 IAML 02:23 24.23 9 0.22			HTL HZ 118.0 EP 03:45 18.79 0.14						
CLGH HN 98.1 IAML 02:23 25.39 9 0.14			HTL HE 118.0 EP 03:45 18.79 0.14						
INVG HZ 105.0 EP 02:23 11.22 -0.26			LLW BN 137.0 ES 03:45 37.52 -0.24						
INVG HE 105.0 ES 02:23 24.06 0.02			FOEL HE 137.0 IAML 03:45 38.58 14 0.52						
INVG HN 105.0 IAML 02:23 26.12 9 0.18			FOEL HE 137.0 IAML 03:45 38.61 10 0.19						
INVG HE 105.0 IAML 02:23 27.07 8 0.18			LLW BZ 137.0 EP 03:45 21.64 0.19						
NEWG HZ 112.0 EP 02:23 12.82 0.32			LLW BE 137.0 IAML 03:45 40.58 4 0.30						
NEWG HE 112.0 ES 02:23 25.40 -0.40			LLW BN 137.0 IAML 03:45 40.78 6 0.40						
NEWG HE 112.0 IAML 02:23 25.76 7 0.17			FOEL HE 137.0 EP 03:45 21.84 0.31						
NEWG HN 112.0 IAML 02:23 25.77 7 0.40			FOEL HE 137.0 ES 03:45 38.04 0.15						
GAL1 HZ 120.0 EP 02:23 13.83 0.09			DYA HE 147.0 EP 03:45 22.70 -0.19						
GAL1 HE 120.0 IAML 02:23 30.59 7 0.18			DYA HE 147.0 ES 03:45 40.16 -0.09						
GAL1 HN 120.0 IAML 02:23 30.63 5 0.17			DYA HE 147.0 IAML 03:45 41.26 8 0.26						
EDI HZ 139.0 EP 02:23 16.54 0.04			DYA HE 147.0 IAML 03:45 41.94 10 0.18						
EBL EZ 149.0 EP 02:23 18.38 0.46			October 5 2015	Time: 09:54 39.6 UTC	Magnitude: 0.8 ML				
ESK HZ 152.0 EP 02:23 18.57 0.21			Lat: 51.651N	Lon: -3.145W	Depth: 10.2 km				
ESK HE 152.0 ES 02:23 35.85 -0.08			Grid Ref: 320.79 kmE 195.36 kmN		RMS: 0.20 secs				
ESK HE 152.0 IAML 02:23 37.42 3 0.28			Locality: BLACKWOOD,CAERPHILLY						
ESK HN 152.0 IAML 02:23 39.00 3 0.16			Velocity model: Lownet Xnear: 150.0 Xfar: 300.0						
KPL HZ 165.0 EP 02:23 19.65 -0.47			STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES						
KPL HE 165.0 IAML 02:23 42.83 3 0.54			MCH1 HZ 39.0 EP 09:54 46.47 -0.34						
KPL HN 165.0 IAML 02:23 43.45 2 0.14			MCH1 HE 39.0 ES 09:54 51.82 -0.22						
KAC EZ 182.0 EP 02:23 22.49 0.15			MCH1 HN 39.0 IAML 09:54 51.98 26 0.13						
October 5 2015	Time: 02:53 38.4 UTC	Magnitude: 1.0 ML	MCH1 HE 39.0 IAML 09:54 52.00 19 0.13						
Lat: 51.663N	Lon: -3.163W	Depth: 9.2 km	HLM1 HZ 97.5 EP 09:54 56.49 0.41						
Grid Ref: 319.57 kmE 196.72 kmN		RMS: 0.20 secs	HLM1 HE 97.5 ES 09:55 08.36 0.26						
Locality: BLACKWOOD,CAERPHILLY			HLM1 HE 97.5 IAML 09:55 09.43 2 0.23						
Velocity model: default (Lownet) Xnear: 150.0 Xfar: 300.0			HLM1 HE 97.5 IAML 09:55 09.65 1 0.12						
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			FOEL HZ 138.0 EP 09:55 02.29 -0.02						
MCH1 HZ 36.7 EP 02:53 44.80 -0.41			FOEL HE 138.0 ES 09:55 18.73 -0.14						
MCH1 HE 36.7 ES 02:53 50.09 -0.08			DYA HZ 148.0 EP 09:55 03.52 -0.14						
MCH1 HN 36.7 IAML 02:53 50.24 34 0.08			DYA HE 148.0 ES 09:55 21.25 0.05						
MCH1 HE 36.7 IAML 02:53 50.28 16 0.13			October 8 2015	Time: 22:04 22.2 UTC	Magnitude: 1.2 ML				
HLM1 HZ 94.9 EP 02:53 54.87 0.40			Lat: 55.135N	Lon: -3.889W	Depth: 4.2 km				

TABLE 2 : PHASE DATA

Grid Ref: 279.59 kmE 583.93 kmN	RMS: 0.30 secs	October 11 2015	Time: 02:46 05.5 UTC	Magnitude: 2.1 ML
Locality: MONIAIVE, D & G		Lat: 53.569N	Lon: 2.204W	Depth: 6.5 km
Velocity model: Borders Xnear: 100.0 Xfar: 200.0		Grid Ref: 678.31 kmE 416.29 kmN		RMS: 0.30 secs
Comment: FELT MONIAIVE...	Intensity: 3	Locality: SOUTHERN NORTH SEA		
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0		
NEWG HZ 21.8 IP C 22:04 26.35 -0.04		Comment: 90KM NE CROMER		
NEWG HN 21.8 ES 22:04 28.95 -0.43		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
NEWG HE 21.8 IAML 22:04 29.07 43 0.10		WACR HZ 141.0 EP 02:46 28.14 0.05		-0.31
NEWG HN 21.8 IAML 22:04 29.13 39 0.20		WACR HN 141.0 IAML 02:46 44.80 19 0.82		
ESK HZ 48.0 IP 9 C 22:04 29.87 -0.79		WACR HE 141.0 IAML 02:46 45.95 38 0.88		
GAL1 HZ 60.5 IP C 22:04 32.72 0.04		LMK HZ 168.0 EP 02:46 32.14 0.16		
GAL1 HN 60.5 ES 22:04 39.89 -0.24		LMK HE 168.0 ES 02:46 51.51 0.18		
GAL1 HN 60.5 IAML 22:04 44.66 12 0.10		LMK HE 168.0 IAML 02:46 54.13 51 0.60		
GAL1 HE 60.5 IAML 22:04 44.93 8 0.27		LMK HN 168.0 IAML 02:46 54.34 68 0.34		-0.47
KESW HZ 78.9 EP 22:04 35.85 0.15		GDLE HZ 220.0 EP 02:46 37.94		
KESW HE 78.9 ES 22:04 45.46 0.17		GDLE HN 220.0 IAML 02:47 08.60 14 0.74		
KESW HN 78.9 IAML 22:04 48.05 9 0.14		GDLE HE 220.0 IAML 02:47 12.19 9 0.38		0.39
KESW HE 78.9 IAML 22:04 48.71 7 0.17		CWF HZ 252.0 EP 02:46 42.89		
PGB1 HZ 84.2 EP 22:04 36.61 0.07		CWF HN 252.0 IAML 02:47 15.00 7 0.30		
PGB1 HE 84.2 ES 22:04 47.23 0.49		CWF HE 252.0 IAML 02:47 15.63 5 0.32		
PGB1 HN 84.2 IAML 22:04 50.32 10 0.20				
PGB1 HE 84.2 IAML 22:04 50.33 8 0.42				
EBL EZ 88.8 EP 22:04 37.04 -0.30				
IOMK HZ 107.0 EP 22:04 40.58 0.39		October 11 2015	Time: 21:02 47.4 UTC	Magnitude: 0.6 ML
IOMK HE 107.0 ES 22:04 53.06 0.09		Lat: 57.193N	Lon: -5.679W	Depth: 3.6 km
IOMK HE 107.0 IAML 22:04 55.35 10 0.12		Grid Ref: 177.75 kmE 817.33 kmN		RMS: 0.10 secs
IOMK HN 107.0 IAML 22:04 55.77 12 0.12		Locality: LOCH HOURN,HIGHLAND		
ESY EZ 119.0 EP 22:04 41.92 -0.24		Velocity model: Lownet Xnear: 75.0 Xfar: 150.0		
EDMD HZ 128.0 EP 22:04 43.82 0.21		Comment: 4KM SW GLENELG		
EDMD HN 128.0 ES 22:04 58.20 -0.62		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
EDMD HE 128.0 IAML 22:04 59.75 26 0.26		KPL HZ 16.3 EP 21:02 50.71 0.12		
EDMD HN 128.0 IAML 22:04 59.98 28 0.30		KPL HN 16.3 ES 21:02 52.78 -0.17		
CLGH HZ 142.0 EP 22:04 45.86 0.22		KPL HE 16.3 IAML 21:02 53.24 13 0.24		
CLGH HN 142.0 ES 22:05 02.32 0.03		KPL HN 16.3 IAML 21:02 53.25 7 0.26		
CLGH HN 142.0 IAML 22:05 05.26 6 0.36		KAC EZ 41.0 EP 21:02 54.83 0.02		
CLGH HE 142.0 IAML 22:05 06.70 7 0.32		LAWE HZ 105.0 EP 21:03 04.88 0.02		
INVG HZ 144.0 EP 22:04 45.80 -0.14		LAWE HN 105.0 ES 21:03 17.47 -0.17		
INVG HE 144.0 IAML 22:05 03.80 3 0.33		LAWE HE 105.0 IAML 21:03 20.05 3 0.22		
INVG HN 144.0 IAML 22:05 05.93 2 0.16		LAWE HN 105.0 IAML 21:03 20.57 2 0.14		
LINV HZ 110.0 EP 22:04 10.00 -0.20		LINV HZ 110.0 EP 21:03 05.77 0.20		
LINV HN 110.0 ES 22:04 18.92 0.04		LINV HN 110.0 ES 21:03 18.92 0.04		
INVG HZ 131.0 EP 22:04 09.15 0.23		INVG HZ 131.0 EP 21:03 09.15 0.23		
INVG HN 131.0 ES 22:04 24.54 -0.12		INVG HN 131.0 ES 21:03 24.54 -0.12		
INVG HE 131.0 IAML 22:04 25.68 2 0.11		INVG HE 131.0 IAML 21:03 25.68 2 0.11		
INVG HE 131.0 IAML 22:04 25.80 3 0.38				
October 10 2015 Time: 12:28 01.0 UTC Magnitude: 0.5 ML		October 13 2015 Time: 00:27 12.6 UTC Magnitude: 0.4 ML		
Lat: 57.117N Lon: -5.341W Depth: 9.7 km		Lat: 53.039N Lon: -3.732W Depth: 10.7 km		
Grid Ref: 197.75 kmE 807.83 kmN RMS: 0.20 secs		Grid Ref: 283.89 kmE 350.52 kmN RMS: 0.20 secs		
Locality: KINLOCH HOURN,HIGHLAND		Locality: PENTREFOELAS,CONWY		
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0		Velocity model: Mid Wales Xnear: 80.0 Xfar: 200.0		
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
KPL HZ 31.1 EP 12:28 06.64 -0.12		LLW BZ 21.6 EP 00:27 16.91 0.15		
KPL HE 31.1 ES 12:28 10.81 -0.16		LLW BN 21.6 ES 00:27 19.66 -0.09		
KPL HN 31.1 IAML 12:28 11.16 7 0.20		LLW BE 21.6 IAML 00:27 19.94 2 0.17		
KPL HE 31.1 IAML 12:28 11.21 4 0.10		LLW BN 21.6 IAML 00:27 20.50 3 0.12		
KAC EZ 42.6 EP 12:28 08.79 0.25		YLL EZ 31.4 EP 00:27 18.43 0.13		
LAWE HZ 95.5 EP 12:28 16.59 -0.10		YLL EZ 31.4 ES 00:27 22.34 -0.05		
LAWE HE 95.5 ES 12:28 28.35 0.20		FOEL HZ 39.5 EP 00:27 19.65 0.04		
LAWE HE 95.5 IAML 12:28 29.61 1 0.34		FOEL HN 39.5 ES 00:27 24.56 -0.09		
LAWE HN 95.5 IAML 12:28 30.29 1 0.34		FOEL HE 39.5 IAML 00:27 25.49 6 0.29		
INVG HZ 110.0 EP 12:28 19.03 0.18		FOEL HN 39.5 IAML 00:27 25.51 5 0.22		
INVG HN 110.0 ES 12:28 31.57 -0.31		WLF1 HZ 52.4 EP 00:27 21.61 -0.08		
INVG HN 110.0 IAML 12:28 34.07 2 0.18		WLF1 HN 52.4 ES 00:27 27.89 -0.33		
INVG HE 110.0 IAML 12:28 34.69 2 0.21		WLF1 HE 52.4 IAML 00:27 28.53 4 0.43		
LINV HZ 115.0 EP 12:28 19.53 0.07		WLF1 HN 52.4 IAML 00:27 28.76 3 0.21		
October 10 2015 Time: 23:45 54.4 UTC Magnitude: 0.4 ML		WPS HZ 65.1 EP 00:27 24.06 0.30		
Lat: 55.774N Lon: -5.296W Depth: 8.0 km		HLM1 HZ 81.6 EP 00:27 26.68 0.21		
Grid Ref: 193.30 kmE 658.32 kmN RMS: 0.30 secs		HLM1 HE 81.6 ES 00:27 36.15 -0.30		
Locality: SKIPNESS,ARGYLL & BUTE		HLM1 HN 81.6 IAML 00:27 36.69 1 0.15		
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0		HLM1 HE 81.6 IAML 00:27 36.74 1 0.28		
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		MCH1 HZ 126.0 EP 00:27 33.40 0.25		
PGB1 HZ 51.1 EP 23:46 03.47 0.25		MCH1 HN 126.0 ES 00:27 47.97 0.03		
PGB1 HE 51.1 ES 23:46 09.71 0.06		MCH1 HN 126.0 IAML 00:27 50.02 3 0.25		
PGB1 HE 51.1 IAML 23:46 10.65 3 0.45		MCH1 HE 126.0 IAML 00:27 50.10 2 0.24		
PGB1 HN 51.1 IAML 23:46 13.78 4 0.14		RSBS HZ 139.0 EP 00:27 35.13 0.04		
LAWE HZ 54.5 EP 23:46 03.75 0.01				
LAWE HE 54.5 ES 23:46 10.11 -0.43				
LAWE HE 54.5 IAML 23:46 10.64 1 0.14				
LAWE HN 54.5 IAML 23:46 11.64 1 0.22				
CLGH HZ 92.6 EP 23:46 10.13 0.47				
CLGH HE 92.6 ES 23:46 20.65 -0.14				
CLGH HN 92.6 IAML 23:46 22.58 2 0.16				
CLGH HE 92.6 IAML 23:46 23.41 3 0.24				
NEWG HN 99.4 ES 23:46 22.29 -0.31				
NEWG HN 99.4 IAML 23:46 24.20 2 0.20				
NEWG HE 99.4 IAML 23:46 25.78 2 0.11				
INVG HZ 107.0 EP 23:46 12.06 0.22				
INVG HE 107.0 IAML 23:46 26.03 1 0.29				
INVG HN 107.0 IAML 23:46 26.68 1 0.27				
GAL1 HZ 108.0 EP 23:46 12.38 0.41				
GAL1 HE 108.0 ES 23:46 24.24 -0.53				
GAL1 HE 108.0 IAML 23:46 26.31 2 0.16				
GAL1 HN 108.0 IAML 23:46 27.00 1 0.21				
October 16 2015 Time: 00:21 18.0 UTC Magnitude: 0.9 ML				
Lat: 51.672N Lon: -3.168W Depth: 9.4 km				
Grid Ref: 319.24 kmE 197.72 kmN RMS: 0.30 secs				
Locality: BLACKWOOD,CAERPHILLY				
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0				
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES				
MCH1 HZ 38.8 EP 00:21 24.79 -0.35				
MCH1 HN 38.8 ES 00:21 30.17 -0.20				
MCH1 HE 38.8 IAML 00:21 30.25 34 0.10				
MCH1 HE 38.8 IAML 00:21 30.34 16 0.14				
HLM1 HZ 96.7 EP 00:21 34.69 0.36				
HLM1 HN 96.7 ES 00:21 46.28 0.01				

TABLE 2 : PHASE DATA

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ESK	HZ	31.2	EP	12:34	02.12	0.16	Lat: 54.345N	Lon: -2.216W	Depth: 7.5 km	
ESK	HE	31.2	ES	12:34	05.80	-0.40	Grid Ref: 385.96 kmE	494.42 kmN	RMS: 0.20 secs	
ESK	HN	31.2	IAML	12:34	06.31	12 0.07	Locality: HAWES, NORTH YORKSHIRE			
ESK	HE	31.2	IAML	12:34	06.46	12 0.12	Velocity model: Lownet	Xnear: 100.0 Xfar: 200.0		
EDI	HZ	36.5	EP	12:34	02.90	0.07	STAT	CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
EDI	HN	36.5	ES	12:34	07.46	-0.24	EDMD	HZ 56.5 EP 05:38 16.36	0.04	
EDI	HN	36.5	IAML	12:34	07.63	24 0.18	EDMD	HE 56.5 ES 05:38 23.19	-0.14	
EDI	HE	36.5	IAML	12:34	07.68	23 0.20	EDMD	HE 56.5 IAML 05:38 23.39	4 0.22	
ESY	EZ	52.8	IP	C	12:34	05.34	EDMD	HN 56.5 IAML 05:38 24.49	6 0.20	
PGB1	HZ	82.1	EP		12:34	10.24	HPK	HE 57.9 ES 05:38 23.74	-0.04	
PGB1	HN	82.1	ES		12:34	20.48	KESW	HZ 63.7 EP 05:38 17.48	0.00	
PGB1	HN	82.1	IAML		12:34	22.11	KESW	HN 63.7 ES 05:38 25.17	-0.17	
PGB1	HE	82.1	IAML		12:34	23.26	KESW	HE 63.7 IAML 05:38 25.99	2 0.10	
NEWG	HZ	82.7	EP		12:34	10.08	KESW	HN 63.7 IAML 05:38 26.00	3 0.24	
NEWG	HN	82.7	ES		12:34	20.28	ESK	HZ 125.0 EP 05:38 27.60	0.57	
NEWG	HN	82.7	IAML		12:34	23.04				
NEWG	HE	82.7	IAML		12:34	23.27				
INVG	HZ	105.0	EP		12:34	13.84	October 30 2015	Time: 22:56 14.8 UTC	Magnitude: 1.6 ML	
EDMD	HN	118.0	ES		12:34	30.32	Lat: 56.714N	Lon: -6.425W	Depth: 2.5 km	
EDMD	HE	118.0	IAML		12:34	31.39	Grid Ref: 129.27 kmE	766.77 kmN	RMS: 0.50 secs	
EDMD	HN	118.0	IAML		12:34	32.10	Locality: COLL, ARGYLL & BUTE			
GALL	HZ	124.0	EP		12:34	16.80	Velocity model: Lownet	Xnear: 100.0 Xfar: 200.0		
GALL	HN	124.0	IAML		12:34	32.97	STAT	CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
GALL	HE	124.0	IAML		12:34	32.98	LAWE	HZ 80.9 EP 22:56 28.32	-0.24	
Comment:	5KM SOUTH OBAN						LAWE	HE 80.9 ES 22:56 38.20	-0.40	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HZ	12.4	IP	D	07:16	36.50	MDO	EZ 149.0 EP 22:56 39.36	0.41	
LAWE	HN	12.4	ES		07:16	38.39	INVG	HZ 150.0 EP 22:56 39.88	0.83	
LAWE	HN	12.4	IAML		07:16	38.44	LAWE	HE 80.9 IAML 22:56 39.50	9 0.24	
LAWE	HE	12.4	IAML		07:16	38.49	KPL	HZ 83.9 EP 22:56 28.95	-0.04	
PGB1	HZ	86.9	EP		07:16	48.61	KPL	HE 83.9 ES 22:56 39.21	-0.15	
INVG	HZ	88.2	EP		07:16	48.89	KPL	HN 83.9 IAML 22:56 42.02	50 0.24	
INVG	HN	88.2	ES		07:16	59.53	KPL	HE 83.9 IAML 22:56 42.06	36 0.12	
KPL	HZ	109.0	EP		07:16	51.94	KAC	EZ 111.0 EP 22:56 33.18	-0.03	
KPL	HE	109.0	ES		07:17	05.03	MDO	EZ 149.0 EP 22:56 39.36	0.41	
KAC	EZ	127.0	EP		07:16	54.80	INVG	HZ 150.0 EP 22:56 39.88	0.83	
Comment:	OBAN, ARGYLL & BUTE						INVG	HN 150.0 IAML 22:56 59.57	15 0.10	
Comment:	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0						PGB1	HZ 157.0 EP 22:56 40.88	0.85	
Comment:	5KM SOUTH OBAN						PGB1	HE 157.0 ES 22:56 59.23	0.78	
Comment:	Velocity model: Lownet Xnear: 150.0 Xfar: 300.0						PGB1	HE 157.0 IAML 22:57 01.23	11 0.43	
Comment:	Comment: 11KM NE SKEGNESS						PGB1	HN 157.0 IAML 22:57 04.36	9 0.46	
Comment:	SKEGNESS, LINCOLNSHIRE						CLGH	HE 183.0 ES 22:57 04.92	0.34	
Comment:	Velocity model: Lownet Xnear: 150.0 Xfar: 300.0						CLGH	HE 183.0 IAML 22:57 07.31	12 0.27	
Comment:	Comment: 11KM NE SKEGNESS						CLGH	HN 183.0 IAML 22:57 09.21	9 0.19	
October 28 2015										
Lat: 53.224N										
Lon: 0.458W										
Grid Ref: 564.07 kmE										
372.51 kmN										
RMS: 0.10 secs										
Locality: SKEGNESS, LINCOLNSHIRE										
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0										
Comment:	11KM NE SKEGNESS									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
WACR	HZ	56.8	EP		17:32	47.70	0.02			
WACR	HE	56.8	ES		17:32	55.10	0.00			
WACR	HN	56.8	IAML		17:32	55.52	36 0.16			
WACR	HE	56.8	IAML		17:32	55.84	26 0.09			
LMK	HZ	58.2	EP		17:32	47.98	0.10			
LMK	HN	58.2	ES		17:32	55.38	-0.08			
LMK	HN	58.2	IAML		17:32	55.95	37 0.30			
LMK	HE	58.2	IAML		17:32	56.09	36 0.27			
CWF	HZ	130.0	EP		17:32	57.22	-0.06			
CWF	HE	130.0	ES		17:33	11.75	0.03			
CWF	HN	130.0	IAML		17:33	11.91	8 0.20			
CWF	HE	130.0	IAML		17:33	12.02	7 0.16			
LBWR	HN	147.0	ES		17:33	15.36	0.03			
ELSH	HN	236.0	EP		17:33	10.22	-0.21			
October 29 2015										
Lat: 55.704N										
Lon: -5.311W										
Grid Ref: 191.99 kmE										
650.58 kmN										
RMS: 0.30 secs										
Locality: ARRAN, NORTH AYRSHIRE										
Velocity model: Lownet Xnear: 75.0 Xfar: 150.0										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
PGB1	HZ	53.3	EP		04:51	10.31	0.24			
PGB1	HE	53.3	ES		04:51	16.72	-0.02			
PGB1	HE	53.3	IAML		04:51	16.84	3 0.15			
PGB1	HN	53.3	IAML		04:51	16.93	4 0.18			
LAWE	HZ	62.1	EP		04:51	11.64	0.22			
LAWE	HE	62.1	ES		04:51	18.73	-0.36			
LAWE	HE	62.1	IAML		04:51	19.14	2 0.09			
LAWE	HN	62.1	IAML		04:51	19.17	1 0.12			
CLGH	HZ	85.7	EP		04:51	15.52	0.42			
CLGH	HE	85.7	ES		04:51	25.21	-0.24			
CLGH	HN	85.7	IAML		04:51	27.04	4 0.10			
CLGH	HE	85.7	IAML		04:51	27.14	5 0.17			
NEWG	HE	94.6	ES		04:51	27.65	-0.16			
NEWG	HN	94.6	IAML		04:51	27.84	2 0.10			
NEWG	HE	94.6	IAML		04:51	27.91	2 0.13			
GALL	HE	101.0	ES		04:51	29.13	-0.30			
October 29 2015										
Time: 05:38 06.7 UTC										
Magnitude: 0.5 ML										
November 1 2015										
Lat: 52.910N										
Lon: -3.404W										
Grid Ref: 305.59 kmE										
335.69 kmN										
RMS: 0.10 secs										
Locality: LLANDRILLO, DENBIGHSHIRE										
Velocity model: Mid Wales Xnear: 80.0 Xfar: 200.0										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
FOEL	HZ	13.9	IP	C	03:07	07.72				
FOEL	HN	13.9	ES		03:07	10.47				
FOEL	HN	13.9	IAML		03:07	10.62	6 0.17			
FOEL	HE	13.9	IAML		03:07	10.71	9 0.22			
LLW	BZ	18.8	EP		03:07	08.62				
LLW	BN	18.8	ES		03:07	11.30				
LLW	BE	18.8	IAML		03:07	11.44	7 0.10			
HLM1	HZ	56.1	EP		03:07	14.10				
HLM1	HN	56.1	ES		03:07	20.94				
HLM1	HE	56.1	IAML		03:07	21.40	2 0.15			
WLF1	HZ	78.8	EP		03:07	17.44				
WLF1	HN	78.8	ES		03:07	26.59				
WLF1	HE	78.8	IAML		03:07	26.85	2 0.29			
WLF1	HE	78.8	IAML		03:07	26.87	2 0.31			
MCH1	HE	105.0	ES		03:07	33.37				
MCH1	HN	105.0	IAML		03:07	36.17	2 0.15			
MCH1	HN	105.0	IAML		03:07	36.23	1 0.17			
RSBS	HN	140.0	ES		03:07	42.81				
November 2 2015										
Time: 14:31 38.2 UTC										
Magnitude: 1.1 ML										
Lat: 52.987N										
Lon: -5.510W										
Grid Ref: 164.44 kmE										
349.09 kmN										
RMS: 0.40 secs										
Locality: IRISH SEA										
Velocity model: Lownet										
Xnear: 100.0 Xfar: 200.0										
Comment: 70KM SW HOLYHEAD										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
DSB	BZ	64.7	EP		14:31	49.20				
DSB	BN	64.7	ES		14:31	56.49				
YRC	EZ	69.1	EP		14:31	49.86				
WLF1	HZ	81.7	EP		14:31	52.21				
WLF1	HE	81.7								

TABLE 2 : PHASE DATA

YLL	EZ	91.4	EP	14:31	53.98	0.72	SBD	BE	57.0	IAML	00:02	57.89	32	0.14			
IWEX	BZ	109.0	EP	14:31	56.17	0.11	DYA	HZ	92.2	EP	00:02	54.70		0.11			
IWEX	BN	109.0	ES	14:32	09.09	0.01	DYA	HN	92.2	ES	00:03	05.30		-0.23			
IWEX	BN	109.0	IAML	14:32	10.89	5 0.68	DYA	HE	92.2	IAML	00:03	06.21	3	0.11			
IWEX	BE	109.0	IAML	14:32	12.27	6 0.40	DYA	HN	92.2	IAML	00:03	06.97	4	0.09			
LLW	BZ	125.0	EP	14:31	58.83	0.47	RSBS	HZ	97.6	EP	00:02	55.55		0.20			
LLW	BN	125.0	ES	14:32	13.09	0.03	RSBS	HE	97.6	ES	00:03	06.58		-0.27			
LLW	BN	125.0	IAML	14:32	14.34	3 0.45	RSBS	HE	97.6	IAML	00:03	07.37	5	0.11			
LLW	BE	125.0	IAML	14:32	14.93	3 0.15	RSBS	HN	97.6	IAML	00:03	07.54	6	0.16			
RSBS	HZ	126.0	EP	14:31	58.19	-0.36	CCA1	HZ	104.0	EP	00:02	55.97		-0.29			
RSBS	HE	126.0	ES	14:32	13.03	-0.37	CCA1	HE	104.0	IAML	00:03	09.58	5	0.05			
RSBS	HE	126.0	IAML	14:32	13.98	2 0.24	CCA1	HN	104.0	IAML	00:03	09.86	6	0.12			
RSBS	HN	126.0	IAML	14:32	14.23	4 0.10	MCH1	HZ	160.0	EP	00:03	03.11		-0.13			
ILTH	BZ	128.0	EP	14:31	59.21	0.43	MCH1	HN	160.0	ES	00:03	20.66		0.15			
ILTH	BE	128.0	ES	14:32	14.12	0.33	MCH1	HN	160.0	IAML	00:03	22.92	2	0.22			
IOMK	HZ	155.0	EP	14:32	02.67	0.04	MCH1	HE	160.0	IAML	00:03	23.44	3	0.22			
IOMK	HN	155.0	ES	14:32	20.45	0.00											
IOMK	HN	155.0	IAML	14:32	21.85	4 0.14	November 13 2015										
IOMK	HE	155.0	IAML	14:32	22.59	7 0.19	Time: 15:47 08.2 UTC										
FOEL	HZ	156.0	EP	14:32	02.15	-0.64	Magnitude: 0.9 ML										
FOEL	HE	156.0	ES	14:32	20.01	-0.72	Lat: 56.094N										
FOEL	HE	156.0	IAML	14:32	20.27	6 0.22	Lon: -6.035W										
FOEL	HN	156.0	IAML	14:32	20.33	6 0.17	Grid Ref: 149.06 kmE 696.36 kmN										
November 3 2015							Locality: JURA, ARGYLL & BUTE										
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0							Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES							
SWN1	HZ	78.5	EP	06:24	06.96		CLGH	HZ	113.0	EP	15:47	26.86		0.25			
MCH1	HZ	112.0	EP	06:24	12.12		CLGH	HN	113.0	ES	15:47	39.73		-0.30			
MCH1	HE	112.0	ES	06:24	25.44	-0.18	CLGH	HN	113.0	IAML	15:47	40.93	4	0.20			
MCH1	HN	112.0	IAML	06:24	26.21	4 0.17	CLGH	HE	113.0	IAML	15:47	41.20	2	0.13			
MCH1	HE	112.0	IAML	06:24	26.29	5 0.15	INVG	HN	129.0	ES	15:47	44.55		0.30			
DYA	HZ	114.0	EP	06:24	12.34	-0.09	INVG	HN	129.0	IAML	15:47	46.83	4	0.23			
DYA	HE	114.0	ES	06:24	25.90	-0.26	INVG	HE	129.0	IAML	15:47	47.00	3	0.14			
DYA	HN	114.0	IAML	06:24	27.19	4 0.24	GAL1	HN	160.0	ES	15:47	52.34		0.37			
DYA	HE	114.0	IAML	06:24	27.37	4 0.12											
HTL	HE	132.0	ES	06:24	31.14	0.28	November 13 2015										
HTL	HE	132.0	IAML	06:24	32.02	3 0.24	Time: 16:43 09.2 UTC										
HTL	HN	132.0	IAML	06:24	33.42	2 0.17	Magnitude: 0.9 ML										
SBD	BN	155.0	ES	06:24	36.67	0.03	Lat: 56.005N										
HLM1	HZ	168.0	EP	06:24	20.37	0.04	Lon: -5.395W										
HLM1	HN	168.0	ES	06:24	39.74	-0.09	Grid Ref: 188.36 kmE 684.31 kmN										
HLM1	HE	168.0	IAML	06:24	40.85	4 0.16	Locality: KILMORY, ARGYLL & BUTE										
HLM1	HN	168.0	IAML	06:24	41.34	3 0.24	Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0										
RSBS	HZ	181.0	EP	06:24	22.57	0.52	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
RSBS	HN	181.0	ES	06:24	42.60	-0.19	LAWE	HZ	28.4	EP	16:43	14.56		0.06			
RSBS	HN	181.0	IAML	06:24	44.38	1 0.14	LAWE	HE	28.4	ES	16:43	18.19		-0.21			
RSBS	HE	181.0	IAML	06:24	44.63	3 0.33	LAWE	HN	28.4	IAML	16:43	18.41	5	0.16			
November 3 2015							LAWE	HE	28.4	IAML	16:43	19.22	13	0.18			
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							PGB1	HZ	60.9	EP	16:43	19.62		0.12			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES							
LAWE	HZ	60.5	EP	07:22	30.03	-0.16	PGB1	HE	60.9	ES	16:43	26.95		-0.11			
LAWE	HN	60.5	ES	07:22	37.43	-0.27	PGB1	HN	96.1	EP	16:43	25.25		0.28			
LAWE	HE	60.5	IAML	07:22	38.38	1 0.18	PGB1	HE	96.1	ES	16:43	36.39		-0.12			
LAWE	HN	60.5	IAML	07:22	38.48	1 0.25	INVG	HN	96.1	IAML	16:43	39.70	6	0.13			
PGB1	HZ	64.7	EP	07:22	31.01	0.16	INVG	HE	96.1	IAML	16:43	40.13	8	0.24			
CLGH	HZ	80.7	EP	07:22	33.56	0.23	CLGH	HN	112.0	EP	16:43	27.54		0.22			
CLGH	HN	80.7	ES	07:22	43.11	-0.01	CLGH	HE	112.0	ES	16:43	40.43		-0.15			
CLGH	HE	80.7	IAML	07:22	46.51	4 0.16	NEWG	HN	123.0	ES	16:43	43.03		-0.25			
CLGH	HN	80.7	IAML	07:22	46.85	5 0.25	NEWG	HE	123.0	IAML	16:43	45.89	5	0.21			
NEWG	HN	105.0	ES	07:22	49.24	-0.21	NEWG	HN	123.0	IAML	16:43	46.06	4	0.17			
GAL1	HE	107.0	ES	07:22	49.88	-0.21	ESK	HN	158.0	ES	16:43	52.02		0.17			
GAL1	HN	107.0	IAML	07:22	50.39	1 0.18											
GAL1	HE	107.0	IAML	07:22	50.57	2 0.34	November 17 2015										
INVG	HZ	120.0	EP	07:22	39.57	0.35	Time: 03:03 56.7 UTC										
INVG	HN	120.0	ES	07:22	53.61	0.29	Magnitude: 0.8 ML										
INVG	HN	120.0	IAML	07:22	55.83	2 0.20	Lat: 55.913N										
INVG	HE	120.0	IAML	07:22	56.06	2 0.34	Lon: -3.958W										
November 9 2015							Grid Ref: 277.63 kmE 670.61 kmN										
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0							Locality: WATTSTON, N LANARKSHIRE										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES							
HTL	HZ	21.4	EP	00:02	45.62	0.33	PGB1	HZ	34.8	EP	03:04	02.89		-0.08			
HTL	HE	21.4	ES	00:02	49.30	-0.14	PGB1	HE	34.8	ES	03:04	07.33		-0.22			
HTL	HN	21.4	IAML	00:02	50.27	34 0.10	PGB1	HN	34.8	IAML	03:04	07.58	21	0.19			
HTL	HE	21.4	IAML	00:02	50.35	19 0.15	PGB1	HE	34.8	IAML	03:04	08.19	21	0.22			
SBD	BZ	57.0	EP	00:02	50.02	0.36	EDI	HZ	48.2	EP	03:04	05.03		0.00			
SBD	BE	57.0	ES	00:02	56.92	-0.10	EDI	HE	48.2	ES	03:04	11.22		0.10			
SBD	BN	57.0	IAML	00:02	57.60	22 0.11	EDI	HN	48.2	IAML	03:04	12.91	3	0.11			
INVG	HN	57.5	EP				EDI	HN	57.5	EP	03:04	14.88	6	0.31			
INVG	HN	57.5	ES				INVG	HN	57.5	EP	03:04	06.57		0.06			
INVG	HN	57.5	IAML				INVG	HN	57.5	ES	03:04	13.63		-0.04			
INVG	HE	57.5	EP				INVG	HE	57.5	IAML	03:04	13.92	3	0.12			
INVG	HN	57.5	ES				INVG	HN	57.5	IAML	03:04	16.51	3	0.26			
INVG	HE	57.5	IAML				ESK	HZ	81.6	EP	03:04	10.22		-0.02			
INVG	HN	57.5	EP				ESK	HE	81.6	ES	03:04	19.59		-0.54			
INVG	HE	57.5	ES				ESK	HN	81.6	IAML	03:04	20.27	4	0.14			
INVG	HN	57.5	IAML				ESK	HE	81.6	IAML	03:04	23.92	3	0.15			
INVG	HE	57.5	EP				NEWG	HZ	90.2	EP	03:04	11.83		0.28			
INVG	HN	57.5	ES				NEWG	HE	90.2	ES	03:04	22.60		0.20			
INVG	HE	57.5	IAML				LAWE	HZ	97.7	EP	03:04	13.08		0.38			
INVG	HN	57.5	EP				LAWE	HE	97.7	ES	03:04	24.06		-0.33			
INVG	HE	57.5	ES				LAWE	HN	97.7	IAML	03:04	26.05	3	0.14			
INVG	HN	57.5	IAML				LAWE	HN	97.7	IAML	03:04	26.77	4	0.60			

TABLE 2 : PHASE DATA

GAL1	HZ	126.0	EP	03:04	17.41	0.36	LBWR	HZ	700.0	EP	14:20	07.74	0.18				
GALL	HN	126.0	ES	03:04	32.39	0.49	LBWR	HE	700.0	ES	14:21	14.05	-0.26				
GAL1	HE	126.0	IAML	03:04	33.58	4 0.32	LBWR	HE	700.0	IAML	14:21	17.18	48 0.28				
GALL	HN	126.0	IAML	03:04	34.50	3 0.17	LBWR	HN	700.0	IAML	14:21	17.90	45 0.22				
KESW	HZ	157.0	EP	03:04	22.50	0.96	INVG	HZ	706.0	EP	14:20	08.46	0.08				
November 19 2015 Time: 09:24 54.9 UTC				Magnitude: 1.8 ML													
Lat:	53.239N	Lon:	-1.199W	Depth: 7.3 km					KESW	HZ	709.0	EP	14:20	08.12	-0.60		
Grid Ref:	453.45 kmE	371.66 kmN	RMS: 0.30 secs					KESW	HN	709.0	IAML	14:21	18.65	12 0.54			
Locality:	WARSOP, NOTTINGHAMSHIRE					KESW	HE	709.0	IAML	14:21	18.72	23 0.94					
Velocity model:	Lownet Xnear: 100.0 Xfar: 150.0					PGB1	HZ	747.0	EP	14:20	13.53	0.15					
STAT	CO	DIST	PHAS	WT	P	Hrmn	SECS	AMPL	PERI	RES	NEWG	HZ	754.0	EP	14:20	14.27	0.04
LBWR	HZ	39.4	EP	09:25	01.74	-0.19	NEWG	HN	754.0	IAML	14:21	28.67	6 0.36				
LBWR	HE	39.4	ES	09:25	07.44	0.38	NEWG	HE	754.0	IAML	14:21	29.31	7 0.52				
LBWR	HE	39.4	IAML	09:25	08.73	42 0.12	GAL1	HZ	792.0	EP	14:20	18.48	-0.55				
LBWR	HN	39.4	IAML	09:25	10.72	69 0.44	LAWE	HZ	792.0	EP	14:20	18.97	-0.05				
CWF	HZ	56.2	EP	09:25	04.35	-0.16	HLM1	HZ	822.0	EP	14:20	22.61	-0.11				
CWF	HE	56.2	ES	09:25	11.52	-0.01	HLM1	HE	822.0	IAML	14:21	43.87	13 0.20				
CWF	HE	56.2	IAML	09:25	11.92	28 0.28	HLM1	HN	822.0	IAML	14:21	44.12	13 0.44				
CWF	HN	56.2	IAML	09:25	12.07	18 0.20	LLW	BZ	841.0	EP	14:20	24.92	-0.11				
HPK	HZ	84.8	EP	09:25	08.72	-0.22											
HPK	HN	84.8	ES	09:25	18.82	-0.38											
HPK	HE	84.8	IAML	09:25	20.95	57 0.38											
HPK	HN	84.8	IAML	09:25	22.39	72 0.28											
AV06	HZ	113.0	EP	09:25	13.67	0.33											
AU18	HZ	117.0	EP	09:25	14.27	0.39											
AU20	HZ	120.0	EP	09:25	14.91	0.50											
GDLE	HN	134.0	ES	09:25	32.07	-0.12											
GDLE	HN	134.0	IAML	09:25	34.18	53 0.22											
GDLE	HE	134.0	IAML	09:25	34.34	24 0.35											
HLM1	HZ	139.0	EP	09:25	18.24	1.07											
HLM1	HN	139.0	IAML	09:25	38.63	11 0.20											
HLM1	HE	139.0	IAML	09:25	38.79	21 0.64											
FOEL	HZ	140.0	EP	09:25	17.79	0.49											
FOEL	HE	140.0	IAML	09:25	38.21	18 0.48											
FOEL	HN	140.0	IAML	09:25	39.98	23 0.48											
November 19 2015 Time: 10:31 48.1 UTC				Magnitude: 1.7 ML													
Lat:	53.236N	Lon:	-1.201W	Depth: 7.5 km					AT08	HZ	96.2	EP	01:22	10.03	-0.33		
Grid Ref:	453.32 kmE	371.33 kmN	RMS: 0.40 secs					AT08	HE	96.2	ES	01:22	21.93	0.00			
Locality:	WARSOP, NOTTINGHAMSHIRE					AU12	HZ	108.0	EP	01:22	12.68	0.51					
Velocity model:	Lownet Xnear: 100.0 Xfar: 150.0					AU18	HZ	117.0	EP	01:22	14.08	0.45					
STAT	CO	DIST	PHAS	WT	P	Hrmn	SECS	AMPL	PERI	RES	AU18	HE	117.0	ES	01:22	27.66	0.07
LBWR	HZ	39.5	EP	10:31	54.84	-0.26	AU20	HZ	121.0	EP	01:22	14.50	0.34				
LBWR	HN	39.5	ES	10:32	00.65	0.42	GDLE	HN	134.0	ES	01:22	32.69	0.64				
LBWR	HN	39.5	IAML	10:32	01.92	71 0.44	GDLE	HN	134.0	IAML	01:22	35.83	33 0.33				
LBWR	HE	39.5	IAML	10:32	02.46	59 0.13	GDLE	HE	134.0	IAML	01:22	38.22	16 0.36				
CWF	HZ	55.8	EP	10:31	57.33	-0.26	HLM1	HZ	138.0	EP	01:22	17.36	0.55				
CWF	HN	55.8	ES	10:32	04.58	0.03	HLM1	HE	138.0	IAML	01:22	37.69	7 0.39				
CWF	HE	55.8	IAML	10:32	05.04	31 0.28	HLM1	HN	138.0	IAML	01:22	38.38	6 0.14				
CWF	HN	55.8	IAML	10:32	05.07	22 0.18	FOEL	HZ	139.0	EP	01:22	18.83	1.88				
HPK	HN	85.2	ES	10:32	11.97	-0.48											
HPK	HE	85.2	IAML	10:32	12.41	39 0.20											
HPK	HN	85.2	IAML	10:32	12.87	49 0.21											
AT08	HE	96.3	ES	10:32	15.18	-0.18											
AU12	HZ	108.0	EP	10:32	06.27	0.62											
AV06	HZ	114.0	EP	10:32	06.88	0.32											
GDLE	HN	134.0	ES	10:32	26.10	0.67											
GDLE	HN	134.0	IAML	10:32	27.18	31 0.24											
GDLE	HE	134.0	IAML	10:32	27.68	18 0.13											
FOEL	HZ	139.0	EP	10:32	11.92	1.50											
November 19 2015 Time: 14:18 36.1 UTC				Magnitude: 3.8 ML													
Lat:	56.855N	Lon:	7.456W	Depth: 10.0 km					CWF	HZ	57.9	EP	01:29	22.69	0.09		
Grid Ref:	975.55 kmE	813.61 kmN	RMS: 0.30 secs					CWF	HE	57.9	ES	01:29	29.83	-0.03			
Locality:	EASTERN NORTH SEA																
Velocity model:	North Sea Xnear: 750.0 Xfar: 1500.0																
STAT	CO	DIST	PHAS	WT	P	Hrmn	SECS	AMPL	PERI	RES	LBWR	HZ	43.9	IP	21:48	45.80	-0.48
GDLE	HZ	587.0	EP	14:19	53.58	0.08					LBWR	HE	43.9	ES	21:48	51.64	-0.27
GDLE	HN	587.0	ES	14:20	50.28	0.28					LBWR	HE	43.9	IAML	21:48	52.96	64 0.32
GDLE	HE	587.0	IAML	14:20	53.97	54 0.26					LBWR	HN	43.9	IAML	21:48	55.11	74 0.46
DRUM	HZ	606.0	EP	14:19	56.23	0.37					CWF	HZ	57.2	EP	21:48	48.31	0.00
DRUM	HE	606.0	ES	14:20	53.71	-0.37					CWF	HE	57.2	IAML	21:48	55.51	0.09
DRUM	HE	606.0	IAML	14:20	56.84	55 0.60					CWF	HE	57.2	IAML	21:48	56.09	28 0.

TABLE 2 : PHASE DATA

STNC	HE	74.3	IAML	21:49	04.76	36	0.26												RMS: 0.20 secs
HPK	HZ	86.5	EP	21:48	52.83			-0.03											
HPK	HN	86.5	ES	21:49	02.73			-0.57											
HPK	HE	86.5	IAML	21:49	05.29	65	0.37												
HPK	HN	86.5	IAML	21:49	06.56	77	0.23												
AT08	HZ	96.3	EP	21:48	55.23			0.89											
AU15	HZ	111.0	EP	21:48	57.96			1.31											
AU18	HZ	115.0	EP	21:48	58.48			1.16											
WACR	HZ	131.0	EP	21:48	59.64			0.03											
WACR	HE	131.0	ES	21:49	15.33			0.34											
WACR	HN	131.0	IAML	21:49	19.01	15	0.16												
WACR	HE	131.0	IAML	21:49	19.95	19	0.20												
HLM1	HZ	143.0	EP	21:49	02.32			0.90											
FOEL	HZ	145.0	EP	21:49	03.29			1.64											
STRD	HZ	178.0	EP	21:49	08.01			1.90											
MCH1	HZ	188.0	EP	21:49	09.01			1.62											
KESW	HZ	199.0	EP	21:49	10.56			1.79											
November 21 2015		Time: 00:55	18.7	UTC		Magnitude:	1.8	ML											
Lat: 53.252N		Lon:	-1.123W			Depth:	6.7	km											
Grid Ref: 458.51 kmE			373.17 kmN			RMS:	0.40	secs											
Locality: WARSOP, NOTTINGHAMSHIRE																			
Velocity model: Lownet		Xnear:	100.0	Xfar:	150.0														
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES									
LBWR	HZ	43.4	EP			00:55	26.16			-0.23									
LBWR	HE	43.4	ES			00:55	31.96			-0.05									
LBWR	HE	43.4	IAML			00:55	33.16	65	0.40										
LBWR	HN	43.4	IAML			00:55	35.44	108	0.38										
LMK	HZ	57.8	EP			00:55	28.57			-0.01									
LMK	HN	57.8	ES			00:55	35.62			-0.17									
LMK	HN	57.8	IAML			00:55	38.03	84	0.29										
LMK	HE	57.8	IAML			00:55	38.62	58	0.49										
CWF	HZ	58.5	EP			00:55	28.66			-0.04									
CWF	HE	58.5	ES			00:55	36.01			0.00									
CWF	HE	58.5	IAML			00:55	36.47	27	0.18										
CWF	HN	58.5	IAML			00:55	36.59	16	0.24										
HPK	HZ	85.3	EP			00:55	33.18			0.31									
HPK	HN	85.3	ES			00:55	43.20			-0.01									
HPK	HE	85.3	IAML			00:55	45.66	76	0.37										
HPK	HN	85.3	IAML			00:55	46.96	99	0.23										
WACR	HZ	131.0	EP			00:55	41.14			1.23									
HLM1	HZ	144.0	EP			00:55	42.51			0.77									
FOEL	HZ	145.0	EP			00:55	43.72			1.81									
STRD	HZ	179.0	EP			00:55	48.32			1.82									
EDMD	HZ	184.0	EP			00:55	49.03			1.90									
MCH1	HZ	189.0	EP			00:55	49.23			1.49									
KESW	HZ	198.0	EP			00:55	50.54			1.66									
November 21 2015		Time: 02:14	38.2	UTC		Magnitude:	1.2	ML											
Lat: 53.224N		Lon:	-1.203W			Depth:	6.4	km											
Grid Ref: 453.20 kmE			369.99 kmN			RMS:	0.10	secs											
Locality: WARSOP, NOTTINGHAMSHIRE																			
Velocity model: Lownet		Xnear:	100.0	Xfar:	150.0														
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES									
LBWR	HZ	40.0	EP			02:14	45.52			-0.20									
LBWR	HN	40.0	ES			02:14	51.25			0.04									
LBWR	HN	40.0	IAML			02:14	52.52	38	0.33										
LBWR	HE	40.0	IAML			02:14	53.22	32	0.23										
CWF	HZ	54.5	EP			02:14	48.11			0.02									
CWF	HN	54.5	ES			02:14	55.26			-0.05									
CWF	HE	54.5	IAML			02:14	55.68	20	0.28										
CWF	HN	54.5	IAML			02:14	55.80	12	0.16										
STNC	HZ	68.7	EP			02:14	50.46			0.15									
AV06	HZ	115.0	EP			02:14	57.50			0.05									
AU18	HZ	119.0	EP			02:14	58.10			0.10									
AU20	HZ	122.0	EP			02:14	58.46			-0.07									
November 21 2015		Time: 20:48	28.8	UTC		Magnitude:	1.2	ML											
Lat: 53.246N		Lon:	-1.125W			Depth:	6.9	km											
Grid Ref: 458.38 kmE			372.50 kmN			RMS:	0.40	secs											
Locality: WARSOP, NOTTINGHAMSHIRE																			
Velocity model: Lownet		Xnear:	100.0	Xfar:	150.0														
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES									
LBWR	HZ	43.5	EP			20:48	36.16			-0.26									
LBWR	HN	43.5	ES			20:48	41.74			-0.27									
LBWR	HN	43.5	IAML			20:48	43.08	32	0.30										
LBWR	HE	43.5	IAML			20:48	43.63	27	0.14										
CWF	HZ	57.8	EP			20:48	38.58			-0.03									
CWF	HE	57.8	ES			20:48	45.85			0.05									
CWF	HN	57.8	IAML			20:48	46.37	10	0.14										
CWF	HE	57.8	IAML			20:48	46.38	12	0.11										
LMK	HZ	58.1	EP			20:48	38.32			-0.33									
HPK	HZ	85.8	EP			20:48	43.94			0.99									
HPK	HN	85.8	ES			20:48	53.15			-0.16									
HPK	HE	85.8	IAML			20:48	54.15	10	0.35										
HPK	HN	85.8	IAML			20:48	56.62	14	0.19										
November 22 2015		Time: 06:56	32.7	UTC		Magnitude:	0.7	ML											
Lat: 57.191N		Lon:	-5.687W			Depth:	6.2	km											
Grid Ref: 177.26 kmE			817.14 kmN			RMS:	0.20	secs											
Locality: LOCH HOURN, HIGHLAND																			
Velocity model: Lownet		Xnear:	100.0	Xfar:	150.0														
Comment: 5KM SW GLENELG																			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES									
KPL	HZ	16.6	EP			06:56	36.16			0.12									
KPL	HE	16.6	ES			06:56	38.28			-0.19									
KPL	HN	16.6	IAML			06:56	38.89	8	0.27										
KAC	EZ	41.5	EP			06:56	40.29			0.10									
LAWE	HZ	105.0	EP			06:56	50.20			0.14									
LAWE	HE	105.0	ES			06:57	02.53			-0.19									
LAWE	HN	105.0	IAML			06:57	05.31	5	0.09										
LAWE	HE	105.0	IAML			06:57	05.61	6	0.15										
LEWI	HZ	127.0	EP			06:56	53.55			0.01				</td					

TABLE 2 : PHASE DATA

HPK	HN	95.1	ES	20:40	03.16	-0.22	LMK	HN	57.1	IAML	20:30	41.05	70	0.43																					
HPK	HE	95.1	IAML	20:40	04.15	27 0.20	CWF	HZ	59.3	EP	20:30	30.43	-0.03																						
HPK	HN	95.1	IAML	20:40	05.76	36 0.15	CWF	HN	59.3	ES	20:30	37.68	-0.37																						
KESW	HZ	107.0	EP	20:39	53.91	0.22	CWF	HE	59.3	IAML	20:30	38.11	49	0.14																					
KESW	HN	107.0	ES	20:40	06.62	0.04	CWF	HN	59.3	IAML	20:30	38.24	36	0.18																					
KESW	HE	107.0	IAML	20:40	07.18	3 0.12	HPK	HZ	84.7	EP	20:30	34.68		0.27																					
KESW	HN	107.0	IAML	20:40	07.95	4 0.14	HPK	HN	84.7	ES	20:30	44.75		-0.13																					
ESK	HZ	123.0	EP	20:39	56.57	0.35	HPK	HN	84.7	IAML	20:30	48.60	89	0.22																					
ESK	HN	123.0	ES	20:40	10.71	-0.25	HPK	HE	84.7	IAML	20:30	49.50	69	0.16																					
ESK	HN	123.0	IAML	20:40	12.73	9 0.17	WACR	HZ	131.0	EP	20:30	42.06		0.44																					
ESK	HE	123.0	IAML	20:40	13.07	11 0.25	HLM1	HZ	144.0	EP	20:30	44.01		0.45																					
November 25 2015 Time: 13:20 05.0 UTC Magnitude: 1.5 ML																																			
Lat:	53.248N			Lon:	-1.154W			Depth:	5.8 km			RMS:	0.10 secs																						
Grid Ref:	456.44 kmE 372.70 kmN						KESW	HN	197.0	EP	20:30	52.28		1.63																					
Locality:	WARSOP, NOTTINGHAMSHIRE																																		
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0																																			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	November 25 2015 Time: 21:53 15.3 UTC Magnitude: 1.5 ML																								
LBWR	HZ	41.7	EP		13:20	12.35		-0.18			Lat:	53.255N																							
LBWR	HN	41.7	ES		13:20	18.10		0.10			Lon:	-1.120W																							
LBWR	HN	41.7	IAML		13:20	19.36	69	0.48			Depth:	6.6 km																							
LBWR	HE	41.7	IAML		13:20	20.00	52	0.20			Grid Ref:	458.70 kmE 373.50 kmN																							
CWF	HZ	57.7	EP		13:20	14.97		-0.01			RMS:	0.70 secs																							
CWF	HN	57.7	ES		13:20	22.23		0.00			Locality:	WARSOP, NOTTINGHAMSHIRE																							
CWF	HE	57.7	IAML		13:20	22.57	23	0.20			Velocity model:	Lownet Xnear: 100.0 Xfar: 150.0																							
CWF	HN	57.7	IAML		13:20	22.59	17	0.20			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES														
HPK	HZ	84.9	EP		13:20	19.39		0.18			LBWR	HZ	43.5	EP	21:53	22.24		-0.77																	
HPK	HN	84.9	ES		13:20	29.45		-0.10			LBWR	HN	43.5	ES	21:53	28.40		-0.24																	
HPK	HN	84.9	IAML		13:20	32.94	46	0.20			LBWR	HE	43.5	IAML	21:53	30.16	24	0.40																	
HPK	HE	84.9	IAML		13:20	33.88	34	0.14			LBWR	HN	43.5	IAML	21:53	30.29	32	0.28																	
HLM1	HZ	142.0	EP		13:20	28.23		0.35			CWF	HZ	58.8	EP	21:53	24.82		-0.54																	
HLM1	HE	142.0	IAML		13:20	49.22	10	0.32			CWF	HE	58.8	ES	21:53	32.09		-0.62																	
HLM1	HN	142.0	IAML		13:20	50.87	6	0.24			CWF	HE	58.8	IAML	21:53	32.52	12	0.28																	
November 25 2015 Time: 15:00 08.2 UTC Magnitude: 1.1 ML																																			
Lat:	53.260N			Lon:	-1.106W			Depth:	7.5 km			RMS:	0.10 secs																						
Grid Ref:	459.63 kmE 374.07 kmN												EDMD		HE	184.0	ES	21:54	05.95	1.51															
Locality:	WARSOP, NOTTINGHAMSHIRE															EDMD		HE	184.0	IAML	21:54	07.66	16	0.28											
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0																November 25 2015 Time: 22:38 50.0 UTC Magnitude: 1.6 ML																			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	Lat:	53.256N			Depth:	7.1 km																			
LBWR	HZ	44.1	EP		15:00	15.86		-0.11			Grid Ref:	458.43 kmE 373.61 kmN			RMS:	0.40 secs																			
LBWR	HE	44.1	ES		15:00	21.68		0.06			Locality:	WARSOP, NOTTINGHAMSHIRE			Velocity model:	Lownet Xnear: 100.0 Xfar: 150.0																			
LBWR	HN	44.1	IAML		15:00	22.83	30	0.48			STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES														
LBWR	HE	44.1	IAML		15:00	23.55	22	0.20			LBWR	HZ	43.2	EP	22:38	57.45		-0.15																	
CWF	HZ	59.6	EP		15:00	18.45		0.11			LBWR	HN	43.2	ES	22:39	03.18		0.01																	
CWF	HN	59.6	ES		15:00	25.66		-0.07			LBWR	HN	43.2	IAML	22:39	04.56	75	0.30																	
CWF	HE	59.6	IAML		15:00	26.03	9	0.15			LBWR	HE	43.2	EP	22:39	05.11	69	0.17																	
CWF	HN	59.6	IAML		15:00	26.21	8	0.12			LMK	HZ	57.7	EP	22:38	59.75		-0.06																	
HLM1	HE	145.0	ES		15:00	48.45		0.15			LMK	HE	57.7	ES	22:39	06.90		-0.09																	
November 25 2015 Time: 20:27 28.6 UTC Magnitude: 1.4 ML																November 25 2015 Time: 22:38 50.0 UTC Magnitude: 1.6 ML																			
Lat:	53.253N			Lon:	-1.117W			Depth:	7.7 km			RMS:	0.20 secs																						
Grid Ref:	458.91 kmE 373.28 kmN																																		
Locality:	WARSOP, NOTTINGHAMSHIRE																																		
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0																																			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																									
LBWR	HZ	43.7	EP		20:27	36.19		-0.07			CWF	HZ	58.8	IP	22:38	59.97		-0.03																	
LBWR	HN	43.7	ES		20:27	41.71		-0.16			CWF	HN	58.8	ES	22:39	07.20		-0.12																	
LBWR	HN	43.7	IAML		20:27	43.30	64	0.45			CWF	HE	58.8	IAML	22:39	07.71	29	0.14																	
LBWR	HE	43.7	IAML		20:27	43.80	50	0.23			CWF	HN	58.8	IAML	22:39	07.90	24	0.12																	
LMK	HZ	57.4	EP		20:27	38.29		-0.04			HPK	HZ	84.9	EP	22:39	04.25		0.20																	
LMK	HN	57.4	ES		20:27	45.39		-0.07			HPK	HE	84.9	ES	22:39	14.34		0.02																	
LMK	HN	57.4	IAML		20:27	46.28	28	0.25			HPK	HN	84.9	IAML	22:39	19.62	32	0.11																	
LMK	HE	57.4	IAML		20:27	46.37	15	0.15			WACR	HZ	132.0	EP	22:39	12.60		1.43																	
CWF	HZ	58.7	EP		20:27	38.66		0.11			HLM1	HZ	144.0	EP	22:39	13.84		0.85																	
CWF	HN	58.7	ES		20:27	45.82		-0.01			FOEL	HZ	145.0	EP	22:39	14.72		1.57																	
CWF	HE	58.7	IAML		20:27	46.25	20	0.15			EDMD	HZ	184.0	EP	22:39	19.98		1.68																	
CWF	HN	58.7	IAML		20:27	46.39	18	0.23			MCH1	HZ	189.0	EP	22:39	20.44		1.45																	
HPK	HZ	85.3	EP		20:27	42.73		0.04			KESW	HZ	197.0	EP	22:39	22.17		2.11																	
HPK	HN	85.3	ES		20:27	53.16		0.17			November 26 2015 Time: 02:10 43.4 UTC Magnitude: 2.1 ML																								
HPK	HN	85.3	IAML		20:27	56.74	27	0.27			Lat:	53.248N			Depth:	6.9 km			RMS:	0.20 secs			Locality:	WARSOP, NOTTINGHAMSHIRE											
HPK	HE	85.3	IAML		20:27	59.13	25	0.18			Velocity model:	Lownet Xnear: 100.0 Xfar: 150.0			Comment:	FELT CLUMBER PARK																			

TABLE 2 : PHASE DATA

HPK	HZ	85.8	EP	02:10	57.92	0.23	LBWR	HE	43.4	IAML	21:09	18.94	15	0.20
HPK	HE	85.8	ES	02:11	08.16	0.07	CWF	HZ	59.4	EP	21:09	14.05		0.14
HPK	HE	85.8	IAML	02:11	10.47	102 0.20	CWF	HE	59.4	ES	21:09	21.25		-0.08
HPK	HN	85.8	IAML	02:11	13.84	150 0.16	CWF	HE	59.4	IAML	21:09	21.47	6	0.14
WACR	HZ	131.0	EP	02:11	04.77	0.20	CWF	HN	59.4	IAML	21:09	21.66	5	0.20
HLM1	HZ	144.0	EP	02:11	07.37	0.89	HPK	HE	84.6	ES	21:09	28.13		0.00
HLM1	HN	144.0	IAML	02:11	27.92	21 0.20	HPK	HE	84.6	IAML	21:09	32.29	11	0.23
HLM1	HE	144.0	IAML	02:11	28.12	34 0.60	HPK	HN	84.6	IAML	21:09	33.82	11	0.16
FOEL	HZ	145.0	EP	02:11	08.25	1.57	HLM1	HZ	144.0	EP	21:09	27.24		0.32
STRD	HZ	179.0	EP	02:11	13.16	1.96								
EDMD	HZ	185.0	EP	02:11	13.91	1.99	November 27 2015							
EDMD	HN	185.0	IAML	02:11	36.41	59 0.28	Time: 02:05 36.9 UTC							
EDMD	HE	185.0	IAML	02:11	38.85	43 0.26	Lat: 53.254N							
MCH1	HZ	189.0	EP	02:11	14.01	1.54	Lon: -1.117W							
MCH1	HN	189.0	ES	02:11	36.28	2.63	Grid Ref: 458.90 kmE 373.39 kmN							
MCH1	HN	189.0	IAML	02:11	38.68	23 0.32	Locality: WARSOP, NOTTINGHAMSHIRE							
MCH1	HE	189.0	IAML	02:11	38.72	16 0.18	Velocity model: Lownet Xnear: 100.0 Xfar: 150.0							
November 26 2015							STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL PERI RES
Lat:	53.242N		Lon:	-1.194W			LBWR	HZ	45.4	EP	02:05	44.92		-0.17
Grid Ref:	453.78 kmE		372.00 kmN				LBWR	HE	45.4	ES	02:05	50.96		-0.09
Locality:	WARSOP, NOTTINGHAMSHIRE						LBWR	HN	45.4	IAML	02:05	51.95	16	0.48
Velocity model:	Lownet Xnear: 100.0 Xfar: 150.0						LBWR	HE	45.4	IAML	02:05	52.51	12	0.16
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	CWF	HZ	59.2	EP	02:05	47.42		0.21
LBWR	HZ	39.5	EP	04:02	42.54		CWF	HE	59.2	ES	02:05	54.66		-0.05
LBWR	HE	39.5	ES	04:02	48.24	0.34	CWF	HN	59.2	IAML	02:05	55.06	5	0.15
LBWR	HN	39.5	IAML	04:02	49.53	21 0.30	CWF	HN	59.2	IAML	02:05	55.18	4	0.20
LBWR	HE	39.5	IAML	04:02	49.65	19 0.12	HPK	HN	86.0	ES	02:06	01.99		0.09
CWF	HZ	56.5	EP	04:02	45.18	-0.16	HLM1	HE	146.0	ES	02:06	18.99		1.34
CWF	HN	56.5	ES	04:02	52.45	0.04								
CWF	HE	56.5	IAML	04:02	52.69	8 0.12	November 27 2015							
CWF	HN	56.5	IAML	04:02	52.77	8 0.20	Time: 11:42 37.7 UTC							
HPK	HZ	84.6	EP	04:02	49.70	0.00	Lat: 53.252N							
HPK	HE	84.6	ES	04:02	59.59	-0.36	Grid Ref: 458.64 kmE 373.17 kmN							
HPK	HE	84.6	IAML	04:03	01.87	12 0.27	Locality: WARSOP, NOTTINGHAMSHIRE							
HPK	HN	84.6	IAML	04:03	03.10	17 0.20	Velocity model: Lownet Xnear: 100.0 Xfar: 150.0							
AV06	HZ	113.0	EP	04:02	54.66	0.60	Comment: FELT MEDEN VALE							
HLM1	HN	139.0	EP	04:02	57.88	-0.14	Intensity: 2							
November 26 2015							STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL PERI RES
Lat:	53.253N		Lon:	-1.117W			LBWR	HZ	43.5	EP	11:42	45.07		-0.26
Grid Ref:	458.91 kmE		373.28 kmN				LBWR	HN	43.5	ES	11:42	50.78		-0.15
Locality:	WARSOP, NOTTINGHAMSHIRE						LBWR	HN	43.5	IAML	11:42	52.13	321	0.46
Velocity model:	Lownet Xnear: 100.0 Xfar: 150.0						LBWR	HE	43.5	IAML	11:42	52.84	283	0.58
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	CWF	HN	58.5	EP	11:42	47.39		-0.08
LBWR	HZ	43.7	EP	16:00	35.35	-0.16	CWF	HN	58.5	IAML	11:42	54.56		-0.08
LBWR	HE	43.7	ES	16:00	41.38	0.09	CWF	HN	58.5	IAML	11:43	01.88	168	0.54
LBWR	HE	43.7	IAML	16:00	42.40	26 0.52	HPK	HN	85.4	EP	11:42	52.11		0.32
LBWR	HN	43.7	IAML	16:00	44.30	30 0.42	HPK	HN	85.4	ES	11:43	02.21		0.10
CWF	HZ	58.6	EP	16:00	37.96	0.17	HPK	HN	85.4	IAML	11:43	05.69	172	0.20
CWF	HN	58.6	ES	16:00	45.13	-0.10	HPK	HE	85.4	IAML	11:43	08.60	122	0.14
CWF	HN	58.6	IAML	16:00	46.05	6 0.33	HLM1	HZ	144.0	EP	11:43	01.18		0.53
CWF	HE	58.6	IAML	16:00	46.21	9 0.28	HLM1	HN	144.0	IAML	11:43	21.99	37	0.20
HPK	HE	85.4	ES	16:00	52.42	0.00	HLM1	HE	144.0	IAML	11:43	22.94	43	0.36
HPK	HE	85.4	IAML	16:00	52.84	19 0.31	FOEL	HZ	145.0	EP	11:43	01.64		0.82
HPK	HN	85.4	IAML	16:00	55.99	31 0.30	FOEL	HE	145.0	IAML	11:43	21.73	47	0.20
HLM1	HN	144.0	ES	16:01	08.44	0.51	FOEL	HN	145.0	IAML	11:43	23.31	81	0.50
November 26 2015														
Lat:	53.253N		Lon:	-1.117W			November 29 2015							
Grid Ref:	458.91 kmE		373.28 kmN				Time: 04:08 29.9 UTC							
Locality:	WARSOP, NOTTINGHAMSHIRE						Lat: 53.252N							
Velocity model:	Lownet Xnear: 100.0 Xfar: 150.0						Grid Ref: 459.04 kmE 373.17 kmN							
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	Locality: WARSOP, NOTTINGHAMSHIRE							
LBWR	HZ	43.7	EP	17:09	25.14	-0.16	Velocity model: Lownet Xnear: 100.0 Xfar: 150.0							
LBWR	HE	43.7	ES	17:09	31.00	-0.03	STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL PERI RES
LBWR	HE	43.7	IAML	17:09	32.22	32 0.31	LBWR	HZ	43.9	EP	04:08	37.83		-0.02
LBWR	HN	43.7	IAML	17:09	34.18	35 0.44	LBWR	HE	43.9	ES	04:08	43.65		-0.02
LMK	HN	57.4	ES	17:09	34.56	-0.06	CWF	HZ	58.6	EP	04:08	40.34		0.19
LMK	HN	57.4	IAML	17:09	41.53	62 0.62	CWF	HN	58.6	ES	04:08	47.52		-0.12
LMK	HE	57.4	IAML	17:09	48.45	62 0.72	CWF	HN	58.6	IAML	04:08	47.81	6	0.18
CWF	HZ	58.6	EP	17:09	27.75	0.17	HPK	HN	85.5	ES	04:08	54.84		-0.04
CWF	HN	58.6	ES	17:09	34.93	-0.04	HLM1	HE	144.0	ES	04:09	11.23		0.82
CWF	HE	58.6	IAML	17:09	35.37	15 0.28								
CWF	HN	58.6	IAML	17:09	35.52	9 0.21	November 29 2015							
HPK	HN	85.4	ES	17:09	42.30	0.13	Time: 14:36 25.6 UTC							
HPK	HE	85.4	IAML	17:09	44.39	33 0.38	Lat: 55.829N							
HPK	HN	85.4	IAML	17:09	47.96	38 0.16	Grid Ref: 183.51 kmE 664.93 kmN							
HLM1	HN	144.0	EP	17:09	40.23	-0.45	Locality: TARBERT, ARGYLL & BUTE							
November 26 2015							Velocity model: Lownet Xnear: 150.0 Xfar: 300.0							
Lat:	53.260N		Lon:	-1.118W			STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL PERI RES
Grid Ref:	458.83 kmE		374.06 kmN				LAWE	HZ	48.2	EP	14:36	33.98		0.02
Locality:	WARSOP, NOTTINGHAMSHIRE						LAWE	HN	48.2	ES	14:36	39.71		-0.34
Velocity model:	Lownet Xnear: 100.0 Xfar: 150.0						LAWE	HE	48.2	IAML	14:36	40.01	29	0.22
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	PGB1	HZ	61.0	EP	14:36	40.05	18	0.15
LBWR	HZ	43.4	EP	21:09	11.31	-0.15	PGB1	HN	61.0	IAML	14:36	40.57	22	0.16
LBWR	HN	43.4	ES	21:09	17.18	0.08	CLGH	HZ	92.7	EP	14:36	41.04		0.15
LBWR	HN	43.4	IAML	21:09	18.12	18 0.42	CLGH	HN	92.7	IAML	14:36	52.65	31	0.18
							CLGH	HE	92.7	IAML	14:36	53.47	19	0.14

TABLE 2 : PHASE DATA

INVG	HZ	110.0	EP	14:36	43.69	0.07	Grid Ref: 731.11 kmE 1345.17 kmN	RMS: 0.50 secs
INVG	HE	110.0	IAML	14:36	58.19	8 0.32	Locality: NORWEGIAN COAST	
INVG	HN	110.0	IAML	14:36	58.23	7 0.20	Velocity model: North Sea Xnear: 750.0	Xfar: 1500.0
NEWG	HZ	111.0	EP	14:36	43.65	-0.03	Comment: 350KM NE LERWICK	
NEWG	HE	111.0	ES	14:36	56.32	-0.54	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
NEWG	HN	111.0	IAML	14:36	57.31	12 0.10	FOO HZ 48.0 IP D 07:20 54.13 0.40	
NEWG	HE	111.0	IAML	14:36	57.36	12 0.08	FOO HE 48.0 ES 07:20 59.63 0.12	
GALL	HZ	117.0	EP	14:36	44.66	0.02	FOO HN 48.0 IAML 07:20 59.88 3781 0.24	
GALL	HN	117.0	IAML	14:36	59.48	6 0.28	FOO HE 48.0 IAML 07:21 00.27 5088 0.18	
GALL	HE	117.0	IAML	14:36	59.99	6 0.30	BER HZ 172.0 EP 07:21 12.03 0.43	
ESK	HZ	153.0	EP	14:36	50.43	0.56	BER HE 172.0 ES 07:21 30.79 0.35	
December 1 2015				Time: 16:43	07.5 UTC	Magnitude: 1.1 ML	BER HE 172.0 IAML 07:21 35.70 891 0.11	
Lat: 54.442N				Lat: -2.923W		Depth: 12.4 km	BER HN 172.0 IAML 07:21 36.87 740 0.25	
Grid Ref: 340.15 kmE				Grid Ref: 505.58 kmN		RMS: 0.20 secs	MOL HZ 188.0 EP 07:21 13.37 -0.18	
Locality: AMBLESIDE,CUMBRIA							MOL HN 188.0 ES 07:21 33.99 0.19	
Velocity model: Lownet Xnear: 100.0							MOL HE 188.0 IAML 07:21 35.65 1725 0.32	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							MOL HN 188.0 IAML 07:21 38.84 1533 0.34	
KESW	HZ	20.2	EP	16:43	11.75	0.01	LRW HZ 352.0 EP 07:21 34.77 0.81	
KESW	HE	20.2	ES	16:43	14.85	0.03	LRW HE 352.0 ES 07:22 10.03 0.91	
KESW	HN	20.2	IAML	16:43	15.23	24 0.09	LRW HE 352.0 IAML 07:22 13.56 80 0.26	
KESW	HE	20.2	IAML	16:43	15.24	37 0.16	LRW HN 352.0 IAML 07:22 15.77 51 0.18	
EDMD	HZ	75.7	EP	16:43	20.32	0.18	KONO BZ 378.0 EP 07:21 36.49 -0.77	
EDMD	HN	75.7	ES	16:43	29.02	-0.32	MLA1 EZ 580.0 EP 07:22 02.52 0.22	
EDMD	HN	75.7	IAML	16:43	29.35	13 0.19	BIGH HZ 588.0 EP 07:22 03.38 0.07	
EDMD	HE	75.7	IAML	16:43	29.50	17 0.19	BIGH HN 588.0 IAML 07:23 04.80 108 0.13	
ESK	HZ	99.1	EP	16:43	23.62	-0.16	BIGH HE 588.0 IAML 07:23 06.01 139 0.35	
ESK	HN	99.1	ES	16:43	35.84	0.19	MCD EZ 636.0 EP 07:22 09.35 0.05	
ESK	HN	99.1	IAML	16:43	36.60	2 0.13	DRUM HZ 670.0 EP 07:22 13.34 -0.18	
ESK	HE	99.1	IAML	16:43	37.22	3 0.12	DRUM HE 670.0 ES 07:23 17.36 -0.19	
HPK	HE	100.0	ES	16:43	36.04	0.08	MDO EZ 691.0 EP 07:22 16.01 -0.11	
HPK	HE	100.0	IAML	16:43	37.98	16 0.22	KAC EZ 724.0 EP 07:22 19.47 -0.77	
HPK	HN	100.0	IAML	16:43	38.08	15 0.22	LEWI HZ 746.0 EP 07:22 23.06 0.19	
IOMK	HZ	109.0	EP	16:43	25.22	0.07	KPL HZ 752.0 EP 07:22 24.18 0.54	
IOMK	HE	109.0	ES	16:43	37.75	-0.26	KPL HE 752.0 IAML 07:23 37.20 15 0.24	
IOMK	HE	109.0	IAML	16:43	38.33	3 0.17	KPL HN 752.0 IAML 07:23 38.97 22 0.36	
IOMK	HN	109.0	IAML	16:43	39.10	8 0.09	INVG HZ 768.0 EP 07:22 25.25 -0.43	
GALL	HZ	125.0	EP	16:43	27.95	0.53	INVG HN 768.0 IAML 07:23 41.17 23 0.34	
GALL	HN	125.0	ES	16:43	41.67	-0.27	INVG HE 768.0 IAML 07:23 41.38 17 0.24	
ESY	EZ	770.0	EP	07:22	25.06	-0.86	ESY EZ 770.0 EP 07:22 25.06 -0.45	
December 4 2015				Time: 01:53	43.0 UTC	Magnitude: 1.3 ML	EDI HZ 787.0 EP 07:22 27.55	
Lat: 50.565N				Lat: -4.303W		Depth: 3.9 km	EDI HN 787.0 IAML 07:23 46.71 32 0.36	
Grid Ref: 236.92 kmE				Grid Ref: 76.51 kmN		RMS: 0.40 secs	EDI HE 787.0 IAML 07:23 47.78 36 0.30	
Locality: LAUNCESTON,CORNWALL							EBL EZ 797.0 EP 07:22 29.39 0.09	
Velocity model: Lownet Xnear: 100.0							LAWE HE 833.0 ES 07:23 52.13 -0.32	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							LAWE HE 833.0 IAML 07:23 54.20 26 0.18	
SBD	BZ	27.1	EP	01:53	48.28	0.20	LAWE HE 833.0 IAML 07:23 58.35 20 0.52	
SBD	BE	27.1	ES	01:53	51.51	-0.30	ESK HZ 847.0 EP 07:22 34.93 -0.49	
SBD	BE	27.1	IAML	01:53	51.82	137 0.10	ESK HN 847.0 IAML 07:24 00.46 26 0.30	
SBD	BN	27.1	IAML	01:53	51.85	147 0.16	ESK HE 847.0 IAML 07:24 02.41 24 0.44	
DYA	HZ	30.0	EP	01:53	48.75	0.16	NEWG HZ 898.0 EP 07:22 41.83 0.09	
DYA	HE	30.0	ES	01:53	52.36	-0.33	AU15 HZ 901.0 EP 07:22 43.03 0.90	
DYA	HE	30.0	IAML	01:53	52.61	15 0.11	AU12 HZ 906.0 EP 07:22 41.96 -0.83	
DYA	HN	30.0	IAML	01:53	52.69	14 0.09		
HTL	HZ	49.5	EP	01:53	52.12	0.37	December 11 2015 Time: 18:41	23.1 UTC
HTL	HE	49.5	ES	01:53	57.82	-0.34	Magnitude: 1.1 ML	
HTL	HN	49.5	IAML	01:53	59.02	28 0.10	Lat: 54.311N	Lon: -1.861W
HTL	HE	49.5	IAML	01:53	59.14	53 0.19	Depth: 2.6 km	
CCAL	HZ	78.1	EP	01:53	56.69	0.48	Grid Ref: 409.04 kmE	490.63 kmN
CCAL	HE	78.1	ES	01:54	05.60	-0.27	Locality: LEYBURN,NORTH YORKSHIRE	
CCAL	HE	78.1	IAML	01:54	07.44	8 0.10	Velocity model: Lownet Xnear: 500.0	Xfar: 1000.0
CCAL	HN	78.1	IAML	01:54	08.37	9 0.15	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
MCH1	HZ	184.0	EP	01:54	12.82	1.13	HPK HZ 42.2 EP 18:41 30.71 -0.04	
MCH1	HE	184.0	IAML	01:54	34.43	4 0.40	HPK HE 42.2 ES 18:41 36.15 -0.19	
MCH1	HN	184.0	IAML	01:54	37.97	3 0.28	HPK HN 42.2 IAML 18:41 37.21 14 0.31	
December 10 2015				Time: 18:22	01.8 UTC	Magnitude: 0.4 ML	HPK HE 42.2 IAML 18:41 38.37 19 0.49	
Lat: 55.450N				Lat: -3.453W		Depth: 3.4 km	EDMD HZ 58.3 EP 18:41 33.19 -0.12	
Grid Ref: 308.11 kmE				Grid Ref: 618.31 kmN		RMS: 0.20 secs	EDMD HE 58.3 ES 18:41 40.39 -0.37	
Locality: TWEEDSMUIR,BORDERS								
Velocity model: Lownet Xnear: 500.0							EDMD HN 58.3 IAML 18:41 40.85 19 0.36	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES							EDMD HE 58.3 IAML 18:41 40.94 19 0.46	
ESK	HZ	21.7	EP	18:22	06.19	0.21	KESW HZ 86.4 EP 18:41 37.88 0.16	
ESK	HN	21.7	ES	18:22	08.78	-0.26	KESW HN 86.4 ES 18:41 47.86 -0.54	
ESK	HN	21.7	IAML	18:22	09.04	9 0.10	KESW HE 86.4 IAML 18:41 51.35 9 0.44	
ESK	HE	21.7	IAML	18:22	09.17	10 0.08	KESW HE 86.4 IAML 18:41 51.40 8 0.42	
EBL	EZ	44.1	EP	18:22	09.80	-0.01	LBWR HZ 102.0 EP 18:41 40.20 0.11	
NEWG	HZ	61.7	EP	18:22	12.21	-0.30	LBWR HE 102.0 ES 18:41 52.56 0.06	
NEWG	HN	61.7	ES	18:22	20.11	-0.23	LBWR HE 102.0 IAML 18:41 56.38 11 0.13	
NEWG	HN	61.7	IAML	18:22	21.45	2 0.39	LBWR HN 102.0 IAML 18:41 56.91 8 0.16	
NEWG	HE	61.7	IAML	18:22	21.51	4 0.05	ESK HZ 141.0 EP 18:41 46.59 0.45	
ESY	EZ	74.1	EP	18:22	14.43	-0.04	ESK HZ 141.0 ES 18:42 03.45 0.49	
KESW	HZ	98.5	EP	18:22	18.55	0.31	ESK HE 141.0 IAML 18:42 04.40 2 0.21	
GALL	HZ	103.0	EP	18:22	19.14	0.20	ESK HE 141.0 IAML 18:42 04.63 3 0.31	
GALL	HE	103.0	ES	18:22	31.61	0.15		
EDMD	HE	117.0	ES	18:22	35.20	-0.04	December 11 2015 Time: 23:42	30.3 UTC
December 11 2015				Lat: 55.221N	Lon: -3.530W	Magnitude: 1.4 ML	Magnitude: 1.4 ML	
Lat: 61.843N				Grid Ref: 302.68 kmE	592.94 kmN	Depth: 4.5 km	Lat: 55.221N	Lon: -3.530W
Locality:				Locality: JOHNSTONEBRIDGE,D & G		RMS: 0.30 secs	Grid Ref: 302.68 kmE	592.94 kmN
Velocity model: Borders Xnear: 80.0				Velocity model: Borders Xnear: 80.0		Xfar: 160.0	Locality: JOHNSTONEBRIDGE,D & G	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES				STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			Velocity model: Borders Xnear: 80.0	
ESK	HZ	23.2	EP	23:42	34.71	-0.02	ESK HZ 23.2 EP 23:42 34.71 -0.02	
ESK	HE	23.2	ES	23:42	37.42	-0.47	ESK HE 23.2 ES 23:42 37.42 -0.47	

TABLE 2 : PHASE DATA

ESK	HE	23.2	IAML	23:42	37.58	90	0.12		WLF1	HN	199.0	IAML	05:29	14.60	64	0.30
ESK	HN	23.2	IAML	23:42	37.58	95	0.10		WPS	HZ	213.0	EP	05:28	51.69		0.18
NEWG	HZ	46.1	IP	23:42	38.56		0.14		WPS	HN	213.0	ES	05:29	15.12		0.03
NEWG	HE	46.1	ES	23:42	43.77		-0.44		WPS	HE	213.0	IAML	05:29	18.19	25	0.36
NEWG	HE	46.1	IAML	23:42	44.20	21	0.12		WPS	HN	213.0	IAML	05:29	18.33	21	0.38
NEWG	HN	46.1	IAML	23:42	45.67	12	0.21		CCA1	HN	216.0	IAML	05:29	20.81	13	0.34
EBL	EZ	68.6	EP	23:42	42.29		0.15		CCA1	HE	216.0	IAML	05:29	21.31	16	0.44
KESW	HZ	75.5	EP	23:42	43.61		0.38		LBWR	HZ	219.0	EP	05:28	52.65		0.36
KESW	HE	75.5	ES	23:42	52.77		0.35		LBWR	HN	219.0	IAML	05:29	20.30	68	0.47
KESW	HN	75.5	IAML	23:42	55.37	7	0.19		LBWR	HE	219.0	IAML	05:29	22.43	74	0.24
KESW	HE	75.5	IAML	23:42	55.47	14	0.30									
GALL	HZ	85.2	EP	23:42	44.76		-0.02	December 15 2015							Magnitude: 1.0 ML	
GALL	HE	85.2	ES	23:42	54.83		-0.25	Lat: 53.360N							Depth: 7.7 km	
GALL	HE	85.2	IAML	23:42	57.62	8	0.13	Grid Ref: 262.93 kmE							RMS: 0.30 secs	
GALL	HN	85.2	IAML	23:42	57.68	20	0.32	Locality: IRISH SEA								
PGB1	HZ	89.2	EP	23:42	45.65		0.21	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0								
PGB1	HN	89.2	ES	23:42	56.64		0.44	Comment: OFFSHORE ANGLESEY								
PGB1	HE	89.2	IAML	23:42	58.37	11	0.19	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES								
PGB1	HN	89.2	IAML	23:42	59.33	12	0.13	WME EZ 16.7 IP C 12:32 00.07							0.23	
ESY	EZ	96.7	EP	23:42	46.62		-0.07	WLF1 HZ 23.8 IP C 12:32 01.02							0.11	
EDMD	HZ	109.0	EP	23:42	48.10		-0.57	WLF1 HN 23.8 ES 12:32 04.20							-0.03	
EDMD	HE	109.0	ES	23:43	01.66		-0.06	WLF1 HE 23.8 IAML 12:32 04.25	28	0.32						
EDMD	HN	109.0	IAML	23:43	03.27	50	0.14	WLF1 HN 23.8 IAML 12:32 04.38	56	0.40						
EDMD	HE	109.0	IAML	23:43	03.37	38	0.20	WPS HZ 29.6 EP 12:32 01.91							0.10	
IOMK	HZ	126.0	EP	23:42	51.00		-0.43	WPS HE 29.6 ES 12:32 05.38							-0.39	
CLGH	HZ	165.0	EP	23:42	57.25		0.63	WPS HE 29.6 IAML 12:32 05.63	19	0.12						
								WPS HN 29.6 IAML 12:32 05.71	32	0.14						
December 13 2015				Time: 01:39	23.4 UTC			YRC EZ 36.4 EP 12:32 02.93							0.06	
Lat: 51.655N				Lat: -3.167W				LLW BZ 62.7 EP 12:32 07.14							0.18	
Grid Ref: 319.28 kmE				Grid Ref: 195.83 kmN				LLW BE 62.7 ES 12:32 14.46							-0.23	
Locality: BLACKWOOD, CAERPHILLY								FOEL HZ 77.8 EP 12:32 09.47							0.11	
Velocity model: Mid Wales Xnear: 80.0 Xfar: 200.0								FOEL HE 77.8 ES 12:32 18.44							-0.40	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES																
MCH1	HZ	39.9	EP	01:39	30.19		-0.20	FOEL HE 77.8 IAML 12:32 19.33	6	0.42						
MCH1	HE	39.9	ES	01:39	35.52		0.09	FOEL HN 77.8 IAML 12:32 20.45	5	0.26						
MCH1	HN	39.9	IAML	01:39	35.70	49	0.12	IOMK HZ 106.0 EP 12:32 13.88							0.25	
MCH1	HE	39.9	IAML	01:39	35.75	37	0.15	IOMK HE 106.0 ES 12:32 25.90							-0.33	
OLDB	HZ	42.7	EP	01:39	30.75		-0.08	IOMK HE 106.0 IAML 12:32 27.78	5	0.12						
OLDB	HN	42.7	ES	01:39	36.30		0.12	HLM1 HZ 123.0 EP 12:32 16.92							0.60	
STRD	HZ	70.7	EP	01:39	35.42		-0.03	HLM1 HE 123.0 ES 12:32 30.85							-0.03	
HLM1	HZ	98.1	EP	01:39	39.88		0.02	HLM1 HE 123.0 IAML 12:32 32.79	3	0.18						
HLM1	HE	98.1	ES	01:39	51.35		-0.36	HLM1 HN 123.0 IAML 12:32 33.70	4	0.14						
HLM1	HE	98.1	IAML	01:39	55.76	9	0.16									
HLM1	HN	98.1	IAML	01:39	55.84	6	0.18	December 18 2015							Magnitude: 1.1 ML	
FOEL	HZ	137.0	EP	01:39	46.69		0.92	Lat: 53.024N							Depth: 5.6 km	
FOEL	HE	137.0	ES	01:40	02.30		0.41	Grid Ref: 400.74 kmE							RMS: 0.10 secs	
FOEL	HN	137.0	IAML	01:40	03.20	8	0.77	Locality: KINGSLY, STAFFORDSHIRE								
FOEL	HE	137.0	IAML	01:40	03.30	7	0.60	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0								
DYA	HZ	146.0	EP	01:39	46.88		-0.14	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES								
DYA	HN	146.0	ES	01:40	04.05		0.02	STNC HZ 16.4 EP 13:52 16.88							0.02	
DYA	HE	146.0	IAML	01:40	05.35	5	0.41	STNC HN 16.4 ES 13:52 19.73							-0.02	
DYA	HN	146.0	IAML	01:40	05.55	5	0.32	STNC HE 16.4 IAML 13:52 19.92	78	0.28						
CWF	HZ	175.0	EP	01:39	51.25		0.29	STNC HN 16.4 IAML 13:52 19.96	67	0.16						
CWF	HE	175.0	IAML	01:40	13.79	6	0.22	LBWR HZ 45.5 EP 13:52 21.10							0.09	
CWF	HN	175.0	IAML	01:40	13.87	5	0.20	LBWR HN 45.5 ES 13:52 26.82							-0.11	
								LBWR HN 45.5 IAML 13:52 27.24	9	0.21						
December 13 2015				Time: 05:28	18.8 UTC			LBWR HE 45.5 IAML 13:52 27.39	12	0.13						
Lat: 51.651N				Lat: -3.209W				CWF HZ 55.8 EP 13:52 22.66							0.12	
Grid Ref: 316.37 kmE				Grid Ref: 195.43 kmN				CWF HN 55.8 ES 13:52 29.51							-0.08	
Locality: BLACKWOOD, CAERPHILLY				Locality: BLACKWOOD, CAERPHILLY				CWF HE 55.8 IAML 13:52 30.08	11	0.22						
Velocity model: Mid Wales Xnear: 80.0 Xfar: 200.0				Velocity model: Mid Wales Xnear: 80.0 Xfar: 200.0				CWF HE 55.8 IAML 13:52 30.19	9	0.24						
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES				STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES				HLM1 HZ 82.4 EP 13:52 26.59								
MCH1	HZ	41.2	IP	05:28	25.85		-0.06	HLM1 HE 82.4 ES 13:52 36.53							-0.09	
MCH1	HE	41.2	ES	05:28	31.10		0.04	FOEL HZ 82.8 EP 13:52 26.74							0.08	
MCH1	HN	41.2	IAML	05:28	31.41	625	0.40									
MCH1	HE	41.2	IAML	05:28	31.42	406	0.14									
HLM1	HZ	99.1	EP	05:28	35.33		-0.17									
HLM1	HE	99.1	IAML	05:28	51.42	103	0.18									
HLM1	HN	99.1	IAML	05:28	51.53	65	0.18									
HTL	HZ	115.0	EP	05:28	38.58		0.57	December 21 2015							Magnitude: 4.0 ML	
HTL	HE	115.0	ES	05:28	51.74		-0.13	Lat: 56.968N							Depth: 17.5 km	
HTL	HN	115.0	IAML	05:28	54.65	51	0.42	Grid Ref: 946.59 kmE							RMS: 0.50 secs	
HTL	HE	115.0	IAML	05:28	56.04	49	0.24	Locality: EASTERN NORTH SEA								
FOEL	HZ	138.0	EP	05:28	41.67		0.20	Velocity model: North Sea Xnear: 700.0 Xfar: 1400.0								
FOEL	HE	138.0	ES	05:28	57.81		-0.01	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES								
FOEL	HN	138.0	IAML	05:28	58.97	80	0.52	BER HZ 393.0 EP 10:32 00.02								
FOEL	HE	138.0	IAML	05:29	02.17	80	0.47	BER HN 393.0 ES 10:32 38.62							0.38	
WOL	BZ	143.0	EP	05:28	42.53		0.31	BER HE 393.0 IAML 10:32 40.11	49	0.34						
DYA	HZ	144.0	EP	05:28	42.22		-0.22	BER HE 393.0 IAML 10:32 40.11	36	0.34						
DYA	HE	144.0	ES	05:28	59.22		-0.27	FOO HZ 528.0 EP 10:32 16.78							0.14	
DYA	HN	144.0	IAML	05:29	01.09	61	0.26	GDLE HZ 567.0 EP 10:32 21.40							-0.17	
DYA	HE	144.0	IAML	05:29	01.79	65	0.16	GDLE HZ 567.0 ES 10:33 16.26							0.47	
SBD	BZ	159.0	EP	05:28	44.00		-0.63	GDLE HZ 567.0 IAML 10:33 21.36	99	0.20						
CWF	HZ	178.0	EP	05:28	46.86		-0.20	GDLE HN 567.0 IAML 10:33 25.48	139	0.40						
CWF	HE	178.0	ES	05:29	06.97		-0.46	DRUM HZ 577.0 EP 10:32 23.60								
CWF	HN	178.0	IAML	05:29	09.42	55	0.33	DRUM HN 577.0 ES 10:33 17.49							0.77	
CWF	HE	178.0	IAML	05:29	09.57	79	0.23	DRUM HE 577.0 IAML 10:33 21.87	116	0.54					-0.49	
WLF1	HZ	199.0	EP	05:28	49.64		-0.12	DRUM HE 577.0 IAML 10:33 22.69	129	0.56						
WLF1	HE	199.0	IAML													

TABLE 2 : PHASE DATA

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MCH1	HE	39.5	IAML	21:55	01.49	208	0.14		Locality: TALLADEALE,HIGHLAND
OLDB	HZ	43.8	IP	C	21:54	56.40	-0.21		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
OLDB	HN	43.8	ES		21:55	02.04	-0.05	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
SWN1	HZ	97.2	EP		21:55	05.58	0.28	KPL HZ 36.2 EP 22:26 50.58 -0.29	
HLM1	HZ	97.6	EP		21:55	05.19	-0.19	KPL HE 36.2 ES 22:26 55.87 0.16	
HLM1	HE	97.6	ES		21:55	17.06	-0.11	KPL HN 36.2 IAML 22:26 56.11 12 0.14	
HLM1	HN	97.6	IAML		21:55	21.68	21 0.20	KPL HE 36.2 IAML 22:26 56.22 17 0.31	
HLM1	HE	97.6	IAML		21:55	21.91	32 0.15	MDO EZ 76.8 EP 22:26 57.73 0.28	
RSBS	HZ	113.0	EP		21:55	07.43	-0.17	MDO EZ 76.8 ES 22:27 06.92 -0.17	
RSBS	HE	113.0	IAML		21:55	25.38	28 0.11	INVG HZ 166.0 EP 22:27 11.00 0.15	
RSBS	HN	113.0	IAML		21:55	26.99	23 0.25	INVG HN 166.0 IAML 22:27 33.97 4 0.06	
HTL	HZ	117.0	EP		21:55	08.58	0.29	INVG HE 166.0 IAML 22:27 34.43 4 0.25	
HTL	HE	117.0	ES		21:55	22.13	-0.05		
HTL	HN	117.0	IAML		21:55	24.95	17 0.24	December 30 2015 Time: 01:03 52.1 UTC Magnitude: 1.9 ML	
HTL	HE	117.0	IAML		21:55	25.77	13 0.15	Lat: 51.662N Lon: -3.157W Depth: 11.4 km	
LLW	BZ	136.0	EP		21:55	11.53	0.37	Grid Ref: 319.98 kmE 196.60 kmN RMS: 0.40 secs	
DYA	HZ	146.0	EP		21:55	12.51	-0.15	Locality: BLACKWOOD,CAERPHILLY	
CWF	HZ	176.0	EP		21:55	16.84	0.24	Velocity model: Mid Wales Xnear: 100.0 Xfar: 200.0	
								Comment: FELT BLACKWOOD Intensity: 2	
December 27 2015									
Time: 23:05	47.8	UTC						Magnitude: 1.3 ML	
Lat: 56.373N								Depth: 4.4 km	
Grid Ref: 268.40	kmE	722.11	kmN					RMS: 0.30 secs	
Locality: COMRIE,PERTH & KINROSS									
Velocity model: Lownet	Xnear:	100.0	Xfar:	200.0					
Comment: 8KM WEST COMRIE									
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL PERI	RES	
PGB1	HZ	66.3	EP		23:05	59.23	0.04	HLM1 HZ 38.9 EP 01:03 58.73 -0.25	
PGB1	HE	66.3	ES		23:06	07.22	-0.27	MCH1 HN 38.9 ES 01:04 04.10 0.15	
PGB1	HE	66.3	IAML		23:06	07.93	9 0.24	MCH1 HE 38.9 IAML 01:04 04.29 175 0.15	
PGB1	HN	66.3	IAML		23:06	10.17	10 0.44	MCH1 HN 38.9 IAML 01:04 04.46 207 0.26	
EDI	HZ	77.1	EP		23:06	00.87	0.01	OLDB HN 42.0 ES 01:04 04.77 -0.01	
EDI	HE	77.1	ES		23:06	10.38	0.00	HLM1 HZ 97.2 EP 01:04 08.52 0.31	
EDI	HN	77.1	IAML		23:06	15.07	19 0.24	HLM1 HE 97.2 ES 01:04 19.44 -0.41	
EDI	HE	77.1	IAML		23:06	15.14	17 0.21	HLM1 HN 97.2 IAML 01:04 24.31 25 0.16	
EBL	EZ	95.2	EP		23:06	03.75	0.03	HTL HZ 119.0 EP 01:04 24.40 22 0.18	
DRUM	HZ	117.0	EP		23:06	06.62	-0.50	LLW BZ 137.0 EP 01:04 11.41 0.01	
MDO	EZ	120.0	EP		23:06	07.66	0.14	DYA HZ 147.0 EP 01:04 14.59 0.48	
ESK	HZ	131.0	EP		23:06	10.12	0.88	EDY HZ 174.0 EP 01:04 15.31 -0.35	
KPL	HZ	142.0	EP		23:06	10.75	0.00	CWF HZ 174.0 EP 01:04 19.60 0.37	
KPL	HN	142.0	ES		23:06	27.64	0.16	CWF HN 174.0 ES 01:04 40.22 1.42	
KPL	HE	142.0	IAML		23:06	28.26	6 0.29	CWF HE 174.0 IAML 01:04 42.30 29 0.22	
KPL	HN	142.0	IAML		23:06	28.39	6 0.16	CWF HN 174.0 IAML 01:04 42.71 19 0.34	
KAC	EZ	144.0	EP		23:06	11.02	-0.06		
December 28 2015									
Time: 20:59	38.7	UTC						Magnitude: 1.1 ML	
Lat: 53.204N								Depth: 16.2 km	
Grid Ref: 431.66	kmE	367.57	kmN					RMS: 0.10 secs	
Locality: CHESTERFIELD,DERBYSHIRE									
Velocity model: Lownet	Xnear:	100.0	Xfar:	200.0					
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL PERI	RES	
LBWR	HZ	25.6	EP		20:59	44.04	0.05	STNC HE 47.2 ES 20:59 53.17 -0.05	
LBWR	HE	25.6	ES		20:59	47.82	0.00	CWF HZ 53.9 EP 20:59 48.13 0.01	
LBWR	HE	25.6	IAML		20:59	48.07	25 0.25	CWF HE 53.9 ES 20:59 54.92 -0.04	
LBWR	HN	25.6	IAML		20:59	48.21	19 0.06	STNC HE 47.2 ES 20:59 53.17 -0.05	
STNC	HE	47.2	ES		20:59	53.17	-0.05	CWF HN 53.9 EP 20:59 55.70 8 0.09	
CWF	HZ	53.9	EP		20:59	48.13	0.01	CWF HE 53.9 IAML 20:59 55.90 6 0.10	
CWF	HE	53.9	ES		20:59	54.92	-0.04	HPK HE 84.2 ES 21:00 02.73 -0.05	
CWF	HN	53.9	IAML		20:59	55.70	8 0.09	HPK HN 84.2 IAML 21:00 03.43 23 0.14	
CWF	HE	53.9	IAML		20:59	55.90	6 0.10	HPK HE 84.2 IAML 21:00 04.44 22 0.24	
HLPK	HE	84.2	ES		21:00	02.73	-0.05	HLM1 HZ 119.0 EP 20:59 57.75 0.10	
December 28 2015									
Time: 22:11	12.9	UTC						Magnitude: 1.6 ML	
Lat: 51.663N								Depth: 10.6 km	
Grid Ref: 318.81	kmE	196.73	kmN					RMS: 0.60 secs	
Locality: BLACKWOOD,CAERPHILLY									
Velocity model: Mid Wales	Xnear:	100.0	Xfar:	200.0					
STAT	CO	DIST	PHAS	WT P	HrMn	SECS	AMPL PERI	RES	
MCH1	HZ	39.1	EP		22:11	19.44	-0.62	MCH1 HZ 39.1 ES 22:11 24.78 -0.40	
MCH1	HE	39.1	ES		22:11	24.78	-0.40	MCH1 HN 39.1 IAML 22:11 24.98 88 0.13	
MCH1	HN	39.1	IAML		22:11	25.01	72 0.13	MCH1 HE 39.1 IAML 22:11 25.01 72 0.13	
HLM1	HZ	97.3	EP		22:11	28.83	-0.03	HLM1 HZ 97.3 ES 22:11 40.35 0.03	
HLM1	HE	97.3	ES		22:11	40.35	0.03	HLM1 HE 97.3 IAML 22:11 45.05 10 0.29	
HLM1	HN	97.3	IAML		22:11	45.10	15 0.15	HLM1 HE 97.3 IAML 22:11 45.10 15 0.15	
RSBS	HE	113.0	ES		22:11	44.35	-0.02	RSBS HE 113.0 ES 22:11 32.67 0.76	
HTL	HZ	118.0	EP		22:11	32.67	0.76	LLW BZ 136.0 EP 22:11 35.55 0.87	
LLW	BZ	136.0	EP		22:11	35.55	0.87	CWF HZ 175.0 EP 22:11 40.81 0.99	
CWF	HZ	175.0	EP		22:11	40.81	0.99	CWF HN 175.0 ES 22:12 01.02 1.85	
CWF	HN	175.0	ES		22:12	01.02	1.85	CWF HN 175.0 IAML 22:12 03.13 9 0.21	
CWF	HE	175.0	IAML		22:12	03.18	12 0.20	CWF HE 175.0 IAML 22:12 03.18 12 0.20	
December 29 2015									
Time: 22:26	44.3	UTC						Magnitude: 1.1 ML	
Lat: 57.662N								Depth: 2.4 km	
Grid Ref: 186.54	kmE	869.18	kmN					RMS: 0.20 secs	

TABLE 3

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2015

Code	Name	Lat	Lon	E (km)	N (km)	Ht (m)	Comp
AQ02	BANKS	53.6905	-2.8967	340.79	421.96	17	BB
AQ03	WARTON	53.7595	-2.8866	341.55	429.62	23	BB
AT08	MYTON-ON-SWALE	54.0985	-1.3110	445.05	467.19	19	BB
AU05	LAYTHAM	53.8599	-0.8741	474.04	441.01	3	BB
AU07	BIRKDALE	54.1120	-0.9590	468.04	468.97	102	BB
AU09	BARTON-LE-STREET	54.1460	-0.8910	472.43	472.82	103	BB
AU12	NUNNINGTON	54.1946	-0.9651	467.51	478.16	88	BB
AU15	NORMANBY	54.2285	-0.8794	473.04	482.20	60	BB
AU18	THORNTON DALE	54.2482	-0.7095	484.07	484.39	83	BB
AU20	PICKERING	54.2940	-0.7870	478.94	489.40	151	BB
AV06	GANTON	54.1630	-0.4820	499.10	475.21	173	BB
BATH	BATH	51.4429	-2.3292	377.22	171.60	131	BBR
BIGH	UPPER BIGHOUSE	58.4932	-3.9102	288.75	957.69	70	BBSMR
CCA1	CARNMENELLIS	50.1866	-5.2277	169.62	36.90	210	BBSMR
CLGH	CUSHENDALL	55.0828	-6.1106	137.76	584.21	239	BBR
CWF	CHARNWOOD FST	52.7385	-1.3076	446.74	315.91	203	BBSMR
DRUM	DRUMTOCHTY	56.9123	-2.4865	370.48	780.23	208	BBSMR
DYA	YADSWORTHY	50.4353	-3.9310	262.88	61.34	292	BBR
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
EDI	EDINBURGH	55.9233	-3.1875	325.80	670.66	125	BBR
EDMD	EDMUND BYERS	54.8312	-1.9636	402.43	548.48	337	BBR
EDU	DUNDEE	56.5477	-3.0110	337.85	739.97	421	1R
ELMS	ELMSETT	52.0934	0.9895	604.88	248.11	75	BBSMR
ELO	LOGIEALMOND	56.4703	-3.7112	294.59	732.21	523	1R
ELSH	ELHAM	51.1482	1.1345	619.32	143.44	126	BBSMR
ESK	ESKDALEMUIR	55.3165	-3.2052	323.52	603.16	261	BBR
ESY	STONEYPATH	55.9175	-2.6141	361.62	669.55	337	1R
FOEL	FOEL WYLFA	52.8898	-3.2012	319.27	333.15	449	BBSMR
GAL1	GALLOWAY	54.8664	-4.7114	226.02	555.78	117	BBR
GDLE	GLAISDALE	54.4218	-0.8157	476.94	503.57	228	BBSMR
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
GVIE	GLENDOE VIEW	57.1010	-4.5590	245.04	804.04	663	BB
HEX	EXMOOR	51.0664	-3.8026	273.71	131.28	230	1R
HLM1	LONG MYND	52.5184	-2.8807	340.25	291.57	429	BBR
HMNX	HERSTMONCEUX	50.8674	0.3363	564.49	110.15	26	BBR
HPK	HAVERAH PARK	53.9581	-1.6241	424.66	451.42	233	BBSMR
HTL	HARTLAND	50.9943	-4.4849	225.64	124.66	86	BBSMR
INVG	INVERGELDIE	56.4273	-4.0452	273.96	727.99	279	BBSMR
IOMK	KIRK MICHAEL	54.2605	-4.5662	232.95	488.02	188	BBR
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	3R
JSA	ST AUBINS	49.1878	-2.1717			39	BBR
JVM	VALLE DE LA MARE	49.2169	-2.2067			64	1R
KAC	ACHNASHELLACH	57.4989	-5.2988	202.36	850.19	206	1R
KESW	KESWICK	54.5886	-3.1048	328.70	522.05	282	BBSMR
KPL	PLOCKTON	57.3391	-5.6527	180.21	833.50	13	BBSMR
LAWE	LOCH AWE	56.2601	-5.3990	189.58	712.71	137	BBSMR
LBWR	LADYBOWER	53.4016	-1.7248	418.40	389.45	353	BBSMR
LEWI	LEWIS	58.1446	-6.8696	113.57	927.65	69	BBR
LINV	LOCH INVER	58.1470	-5.1970	211.94	922.03	57	BBR
LMK	MARKET RASEN	53.4573	-0.3274	511.15	396.92	133	BBSMR
LRW	LERWICK	60.1360	-1.1779	445.66	1139.27	98	BBSMR

TABLE 3

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2015

Code	Name	Lat	Lon	E (km)	N (km)	Ht (m)	Comp
MCD	COLEBURN DISTIL	57.5828	-3.2541	325.02	855.42	293	3SMR
MCH1	MICHAELCHURCH	51.9974	-2.9983	331.47	233.74	219	BBSMR
MDO	DOCHFOUR	57.4409	-4.3633	258.17	841.39	415	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
MONM	MONMOUTH	51.8396	-2.8054	344.61	215.98	145	BBR
MVH1	ACHVAICH	57.9250	-4.1825	270.75	894.90	185	1R
NEWG	NEW GALLOWAY	55.1173	-4.2299	257.88	582.59	151	BBR
NOLA	NEW OLLERTONA	53.2305	-1.0304	464.82	370.82	47	BB
NOLB	NEW OLLERTONB	53.2310	-1.0523	463.36	370.87	49	1
NOLC	NEW OLLERTONC	53.2216	-1.0126	466.02	369.85	38	1
NOLD	NEW OLLERTOND	53.2153	-1.0513	463.45	369.11	57	BB
NOLE	NEW OLLERTONE	53.2528	-1.0157	465.77	373.32	38	BB
NOLF	NEW OLLERTONF	53.2440	-1.0446	463.85	372.32	58	BB
NOLG	NEW OLLERTONG	53.2392	-1.0054	466.48	371.81	22	1
OLDB	OLDBURY	51.6609	-2.5514	361.95	195.94	6	BBSMR
PGB1	GLENIFFERBRAES	55.8115	-4.4837	244.38	660.37	199	BBR
RSBS	ROSEBUSH	51.9530	-4.7448	211.48	231.84	278	BBR
SAN1	SANDWICK	60.0179	-1.2392	442.41	1126.08	150	1R
SKP1	KOPHILL	51.7218	-0.8096	482.22	203.29	212	1R
SOFL	SORNFELLI	62.0689	-6.9658			721	BBR
SPK	SELLA PARK	54.4183	-3.4913	303.24	503.58	50	SM
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
STRD	STROUD	51.7763	-2.1643	388.77	208.64	200	BBR
SWN1	SWINDON	51.5137	-1.8007	413.83	179.49	192	BBSMR
TOA	TORNESS A	55.9692	-2.4037	374.80	675.20	5	SM
TOB	TORNESS B	55.9673	-2.4085	374.50	674.99	5	SM
THP	THORPE	54.4183	-3.4913	303.24	503.58	50	SM
WACR	WEST ACRE	52.7247	0.6267	577.48	317.35	66	BBSMR
WAL1	WALLS	60.2564	-1.6173	421.18	1152.46	167	1R
WIM	ISLE OF MAN	54.1475	-4.6738	225.39	475.73	386	1R
WLF1	LLYNFAES	53.2894	-4.3966	240.27	379.65	58	BBSMR
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
WPS	CAMAES, ANGLESEY	53.4004	-4.4986	233.98	392.19	16	BBSMR
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

Component Codes:

- 1 Single vertical seismometer
 3 Orthogonal set of 3 seismometers
 SM Strong motion seismometers
 BB Broadband Instruments
 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 Catalogue 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 East.
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, 3, 4, 5 etc. describes the maximum EMS intensity produced by the event.
Comments	Additional comments about the event e.g.: C/F, see below under comments abbreviations.

The following abbreviations are extracted from the output of the location program HYPOCENTER (Leinart and Havskov, 1995)

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 and Comments abbreviations

C/F	Coalfield Type
Sonic	Sonic event
Gtr	Greater
Glos	Gloucestershire
D & G	Dumfries and Galloway
Leics	Leicestershire
Cambs	Cambridgeshire
Lincs	Lincolnshire
Shrops	Shropshire
Staffs	Staffordshire
Carmarths	Carmarthenshire
Notts	Nottinghamshire
...	and felt elsewhere

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, 3, 4, 5 etc. describes the maximum EMS intensity produced by the event.
Comments	Additional comments about the event e.g.: C/F see list of comments and abbreviations in Appendix 1.
STAT	Station name
CO	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 e.g. P, S, PG, PN, IAML
WT	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 e.g.; 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

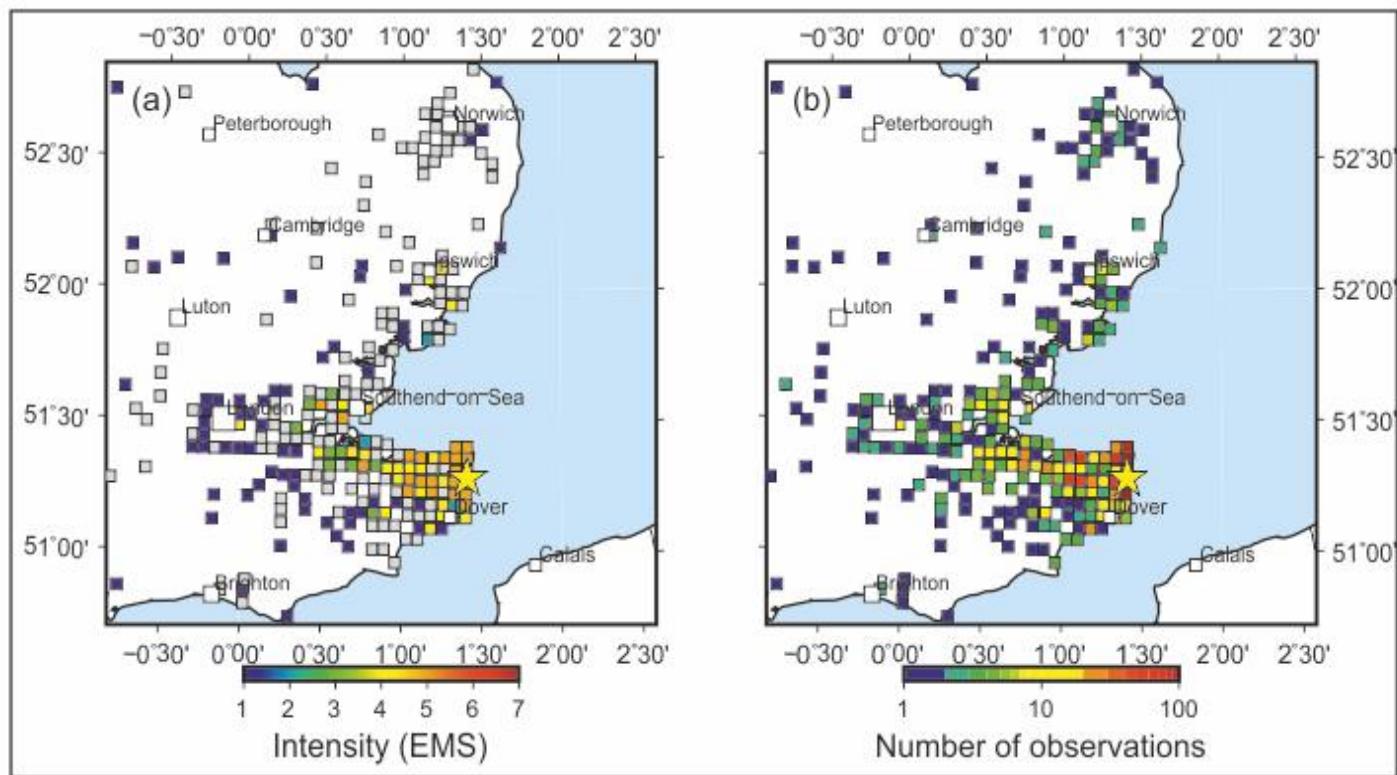
Most ordinary buildings collapse.

12 - Completely devastating

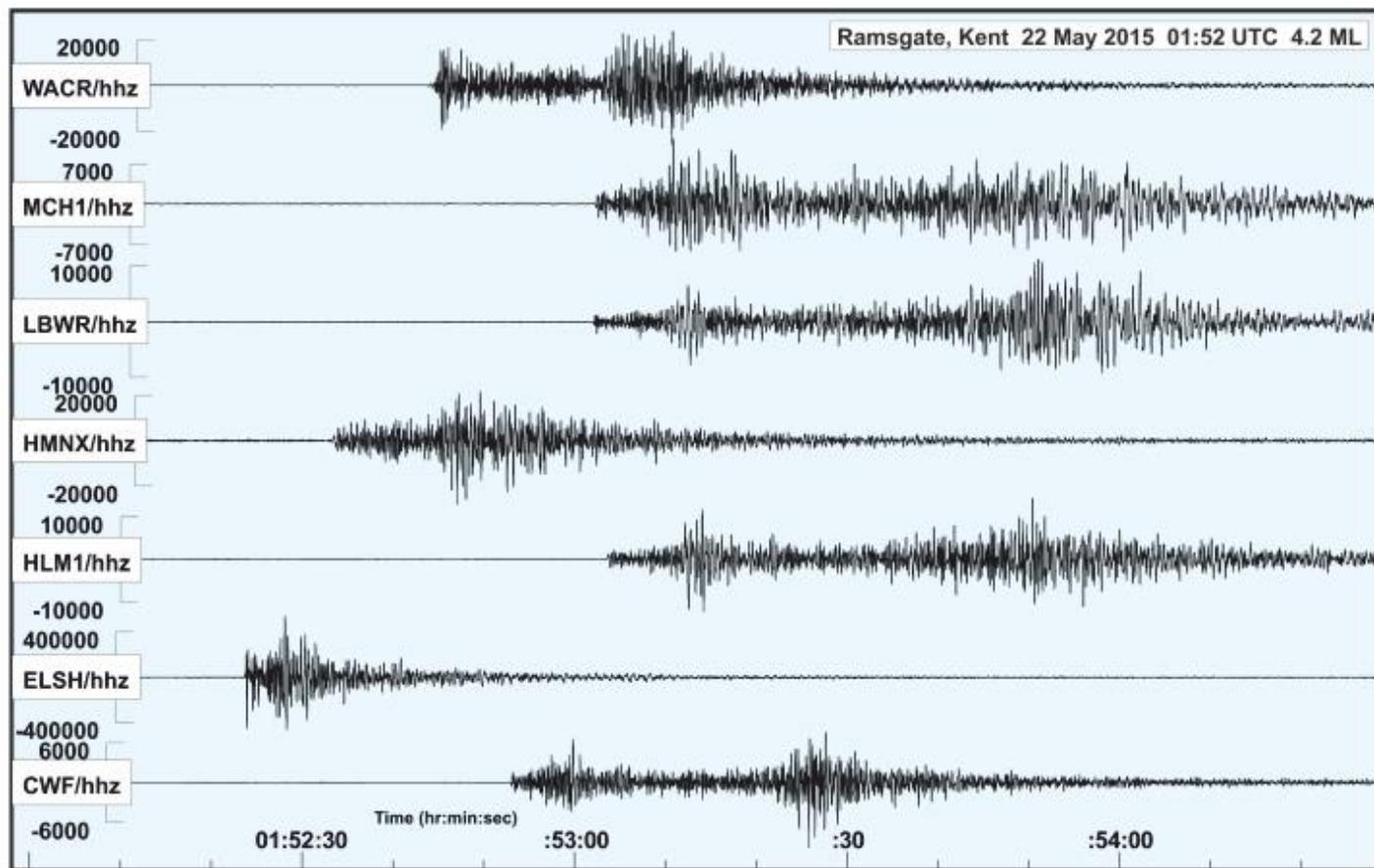
Practically all structures above and below ground are heavily damaged or destroyed.

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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.



Macroseismic intensities for the magnitude 4.2 ML Ramsgate earthquake on 22 May 2015.



Seismograms of the ground displacement from the magnitude 4.2 ML Ramsgate earthquake on 22 May 2015.