

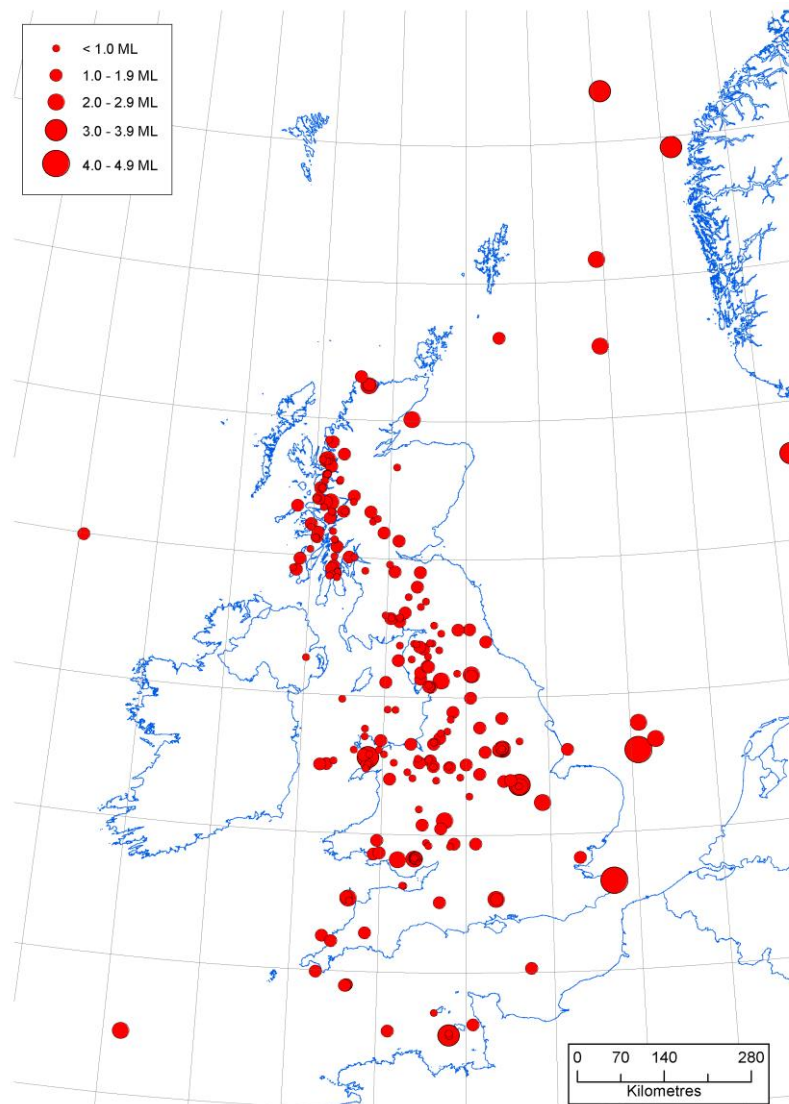
BRITISH GEOLOGICAL SURVEY

REPORT OR/16/012

# 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 ( $11^{\circ}W$  to  $6^{\circ}E$  and  $47^{\circ}N$  to  $65^{\circ}N$ ).

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 ( $-90^\circ$  for thrust or reverse faulting,  $90^\circ$  for normal faulting and  $0^\circ$  or  $180^\circ$  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 km<sup>2</sup>, 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 km<sup>2</sup> (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 an 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 7,000km<sup>2</sup> 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 Llyn 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 Llyn 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, Llangejni, 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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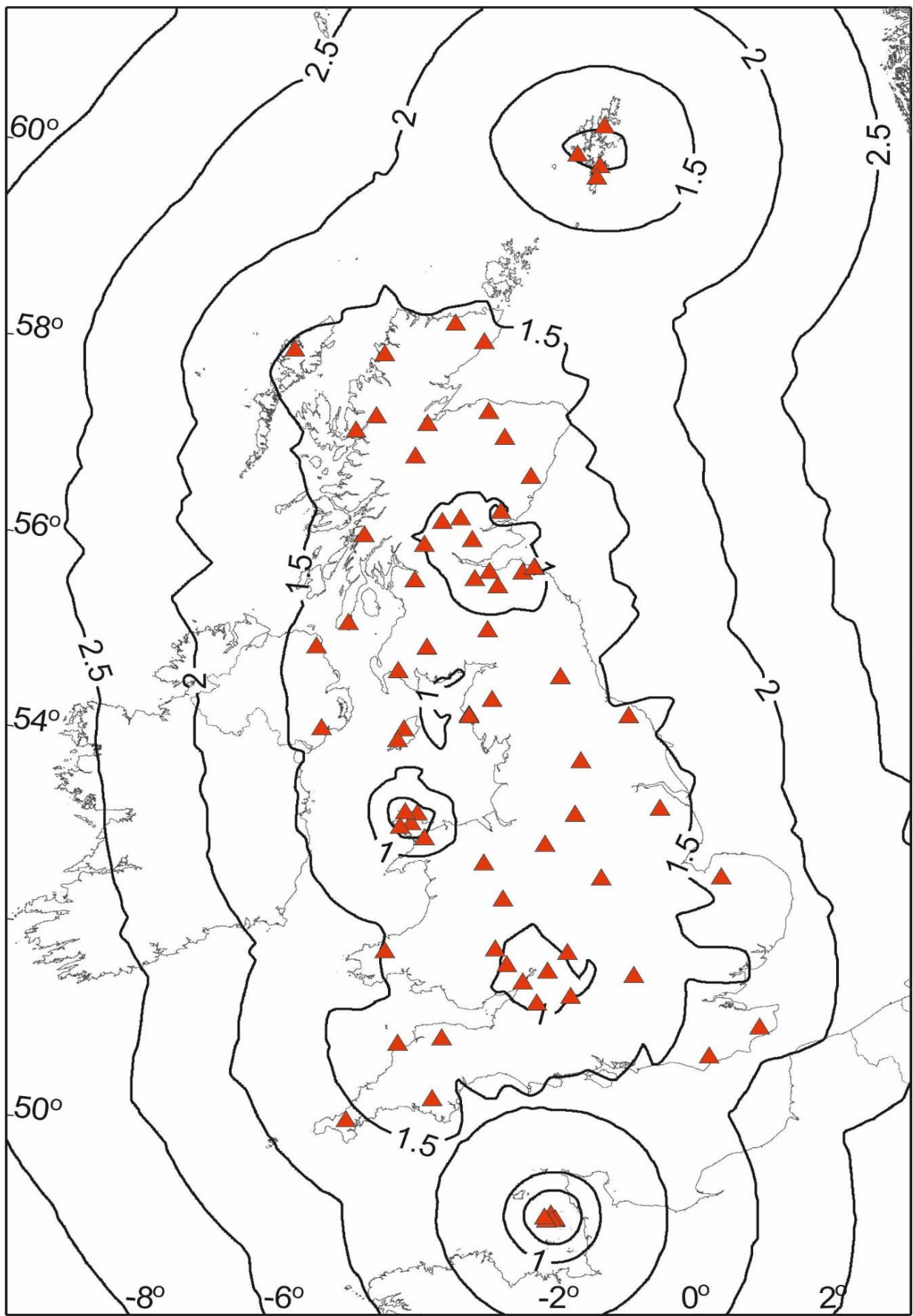
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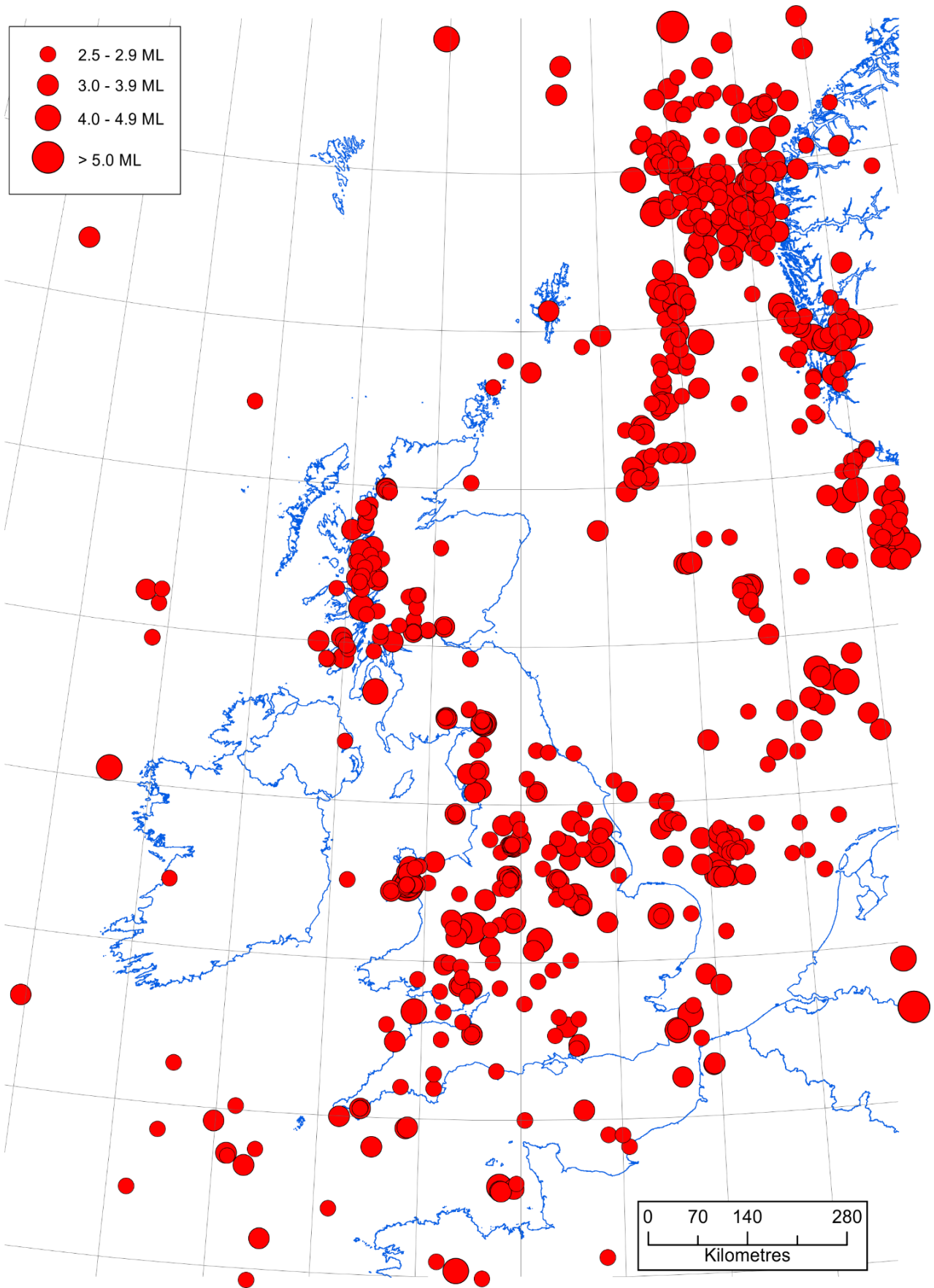
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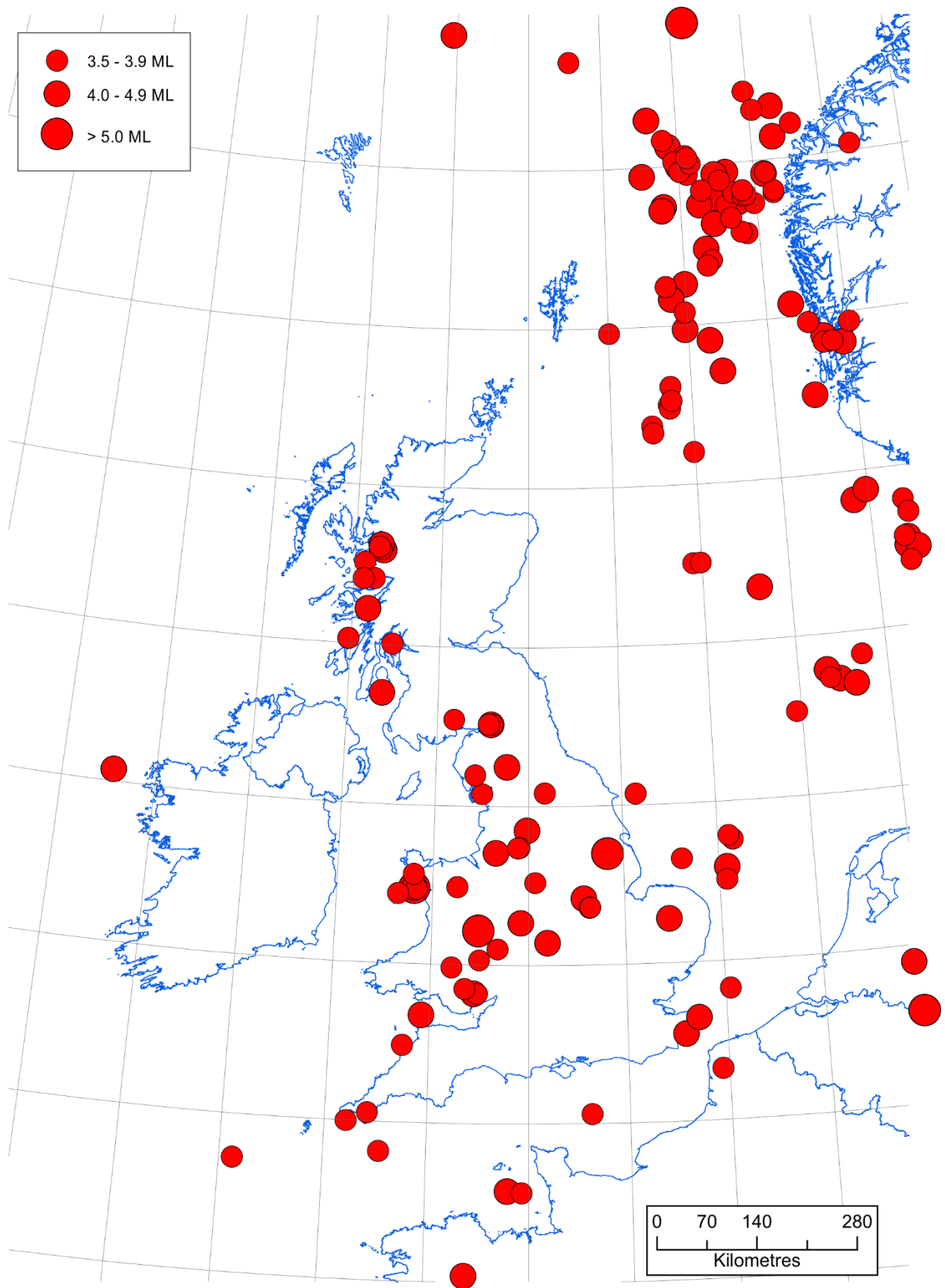
**Figure 1. Epicentre map of earthquakes in 2015 as listed in Table 1.**



**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.**



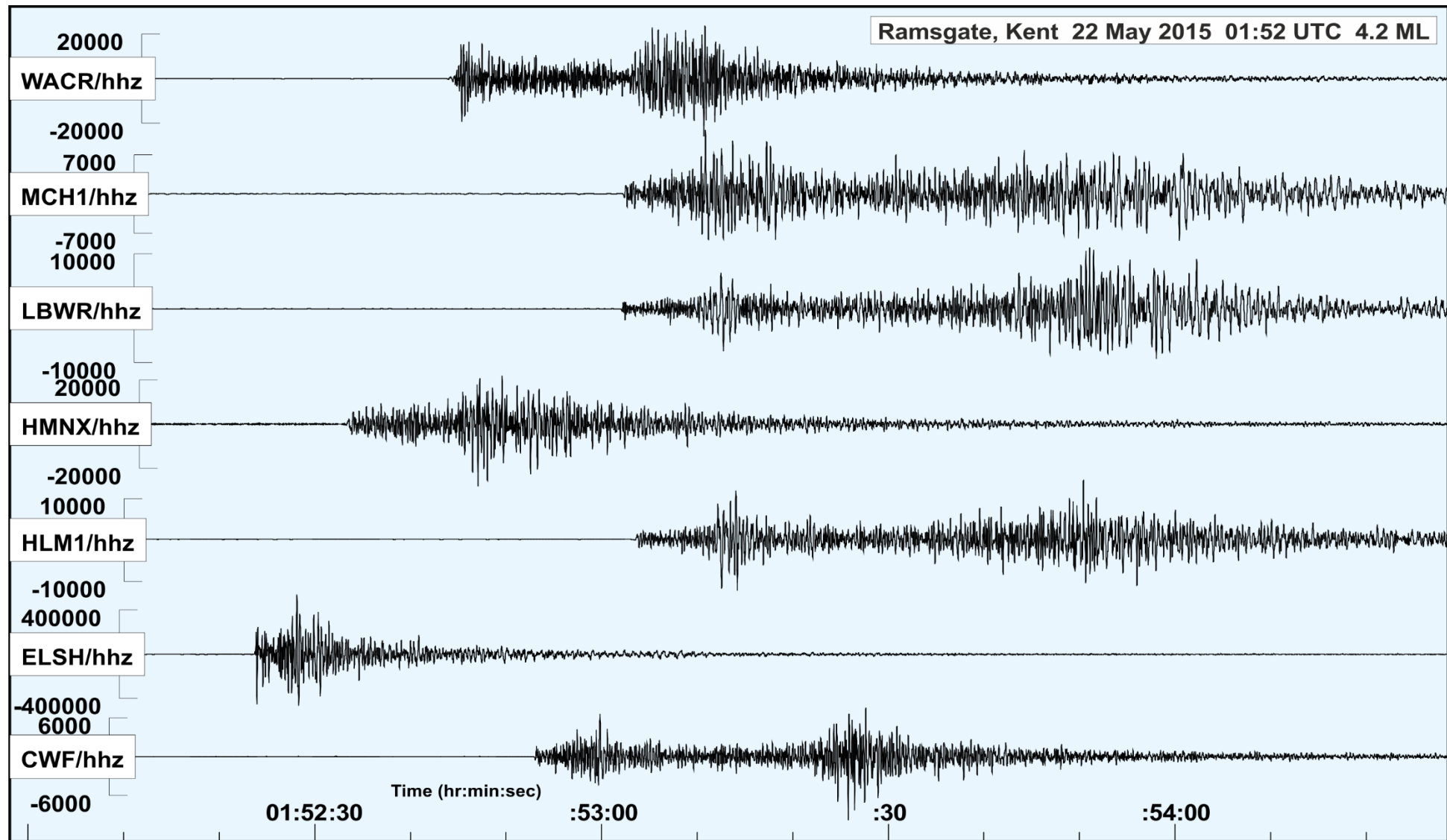
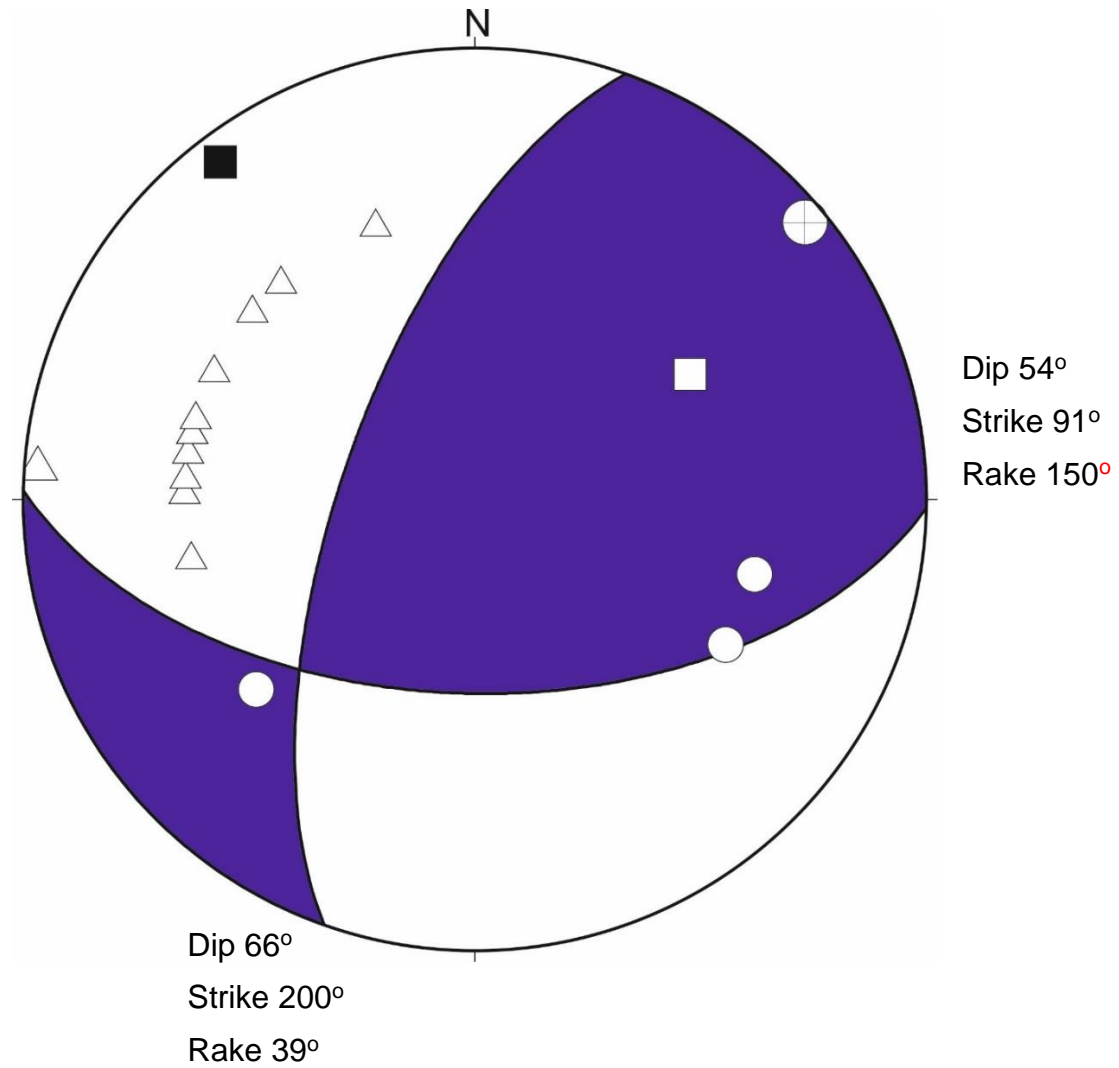


Figure 5. Seismograms of the ground displacement from the magnitude 4.2 ML Ramsgate earthquake, 22 May 2015, recorded by BGS seismograph stations.



**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)**

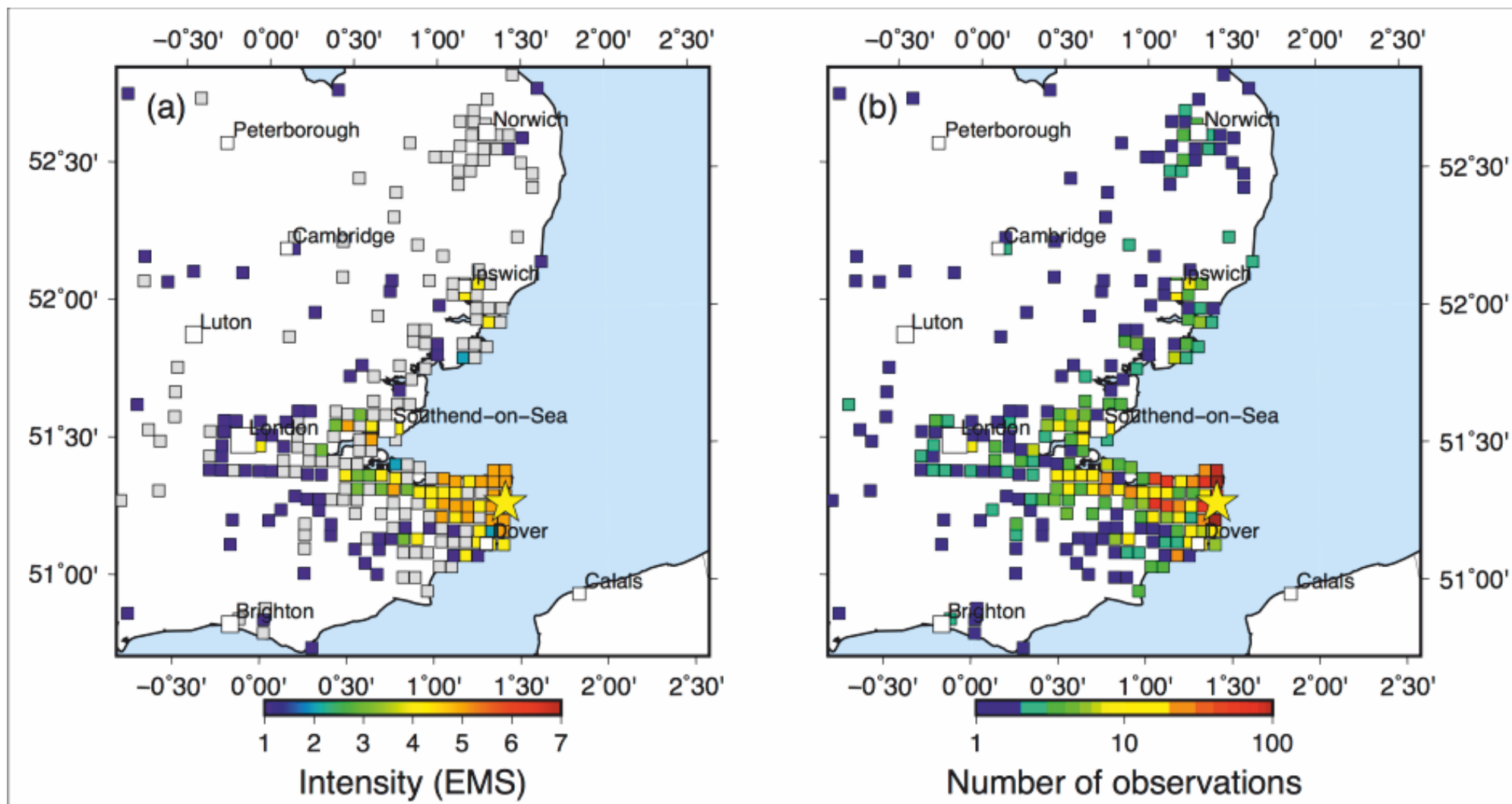


Figure 7. (a) Macroseismic intensities for the Ramsgate earthquake on 22 May 2015 calculated in 5 km grid squares. A minimum of five observations are required to calculate an intensity value. Squares are coloured by intensity. Grey squares show places where the earthquake was felt but there were fewer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

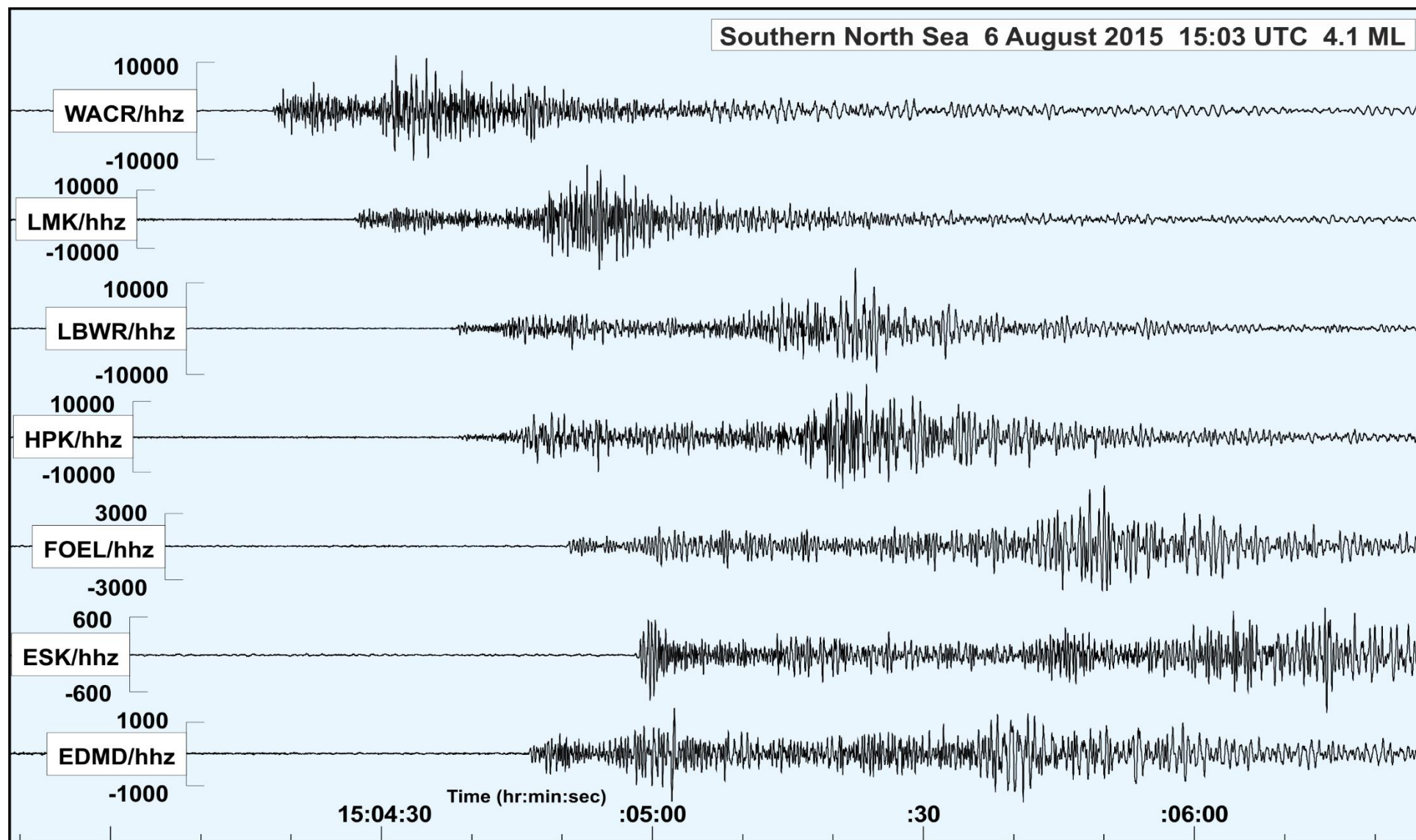


Figure 8. Seismograms of the ground displacement from the magnitude 4.1 ML Southern North Sea earthquake, 6 August 2015, recorded by BGS seismograph stations.

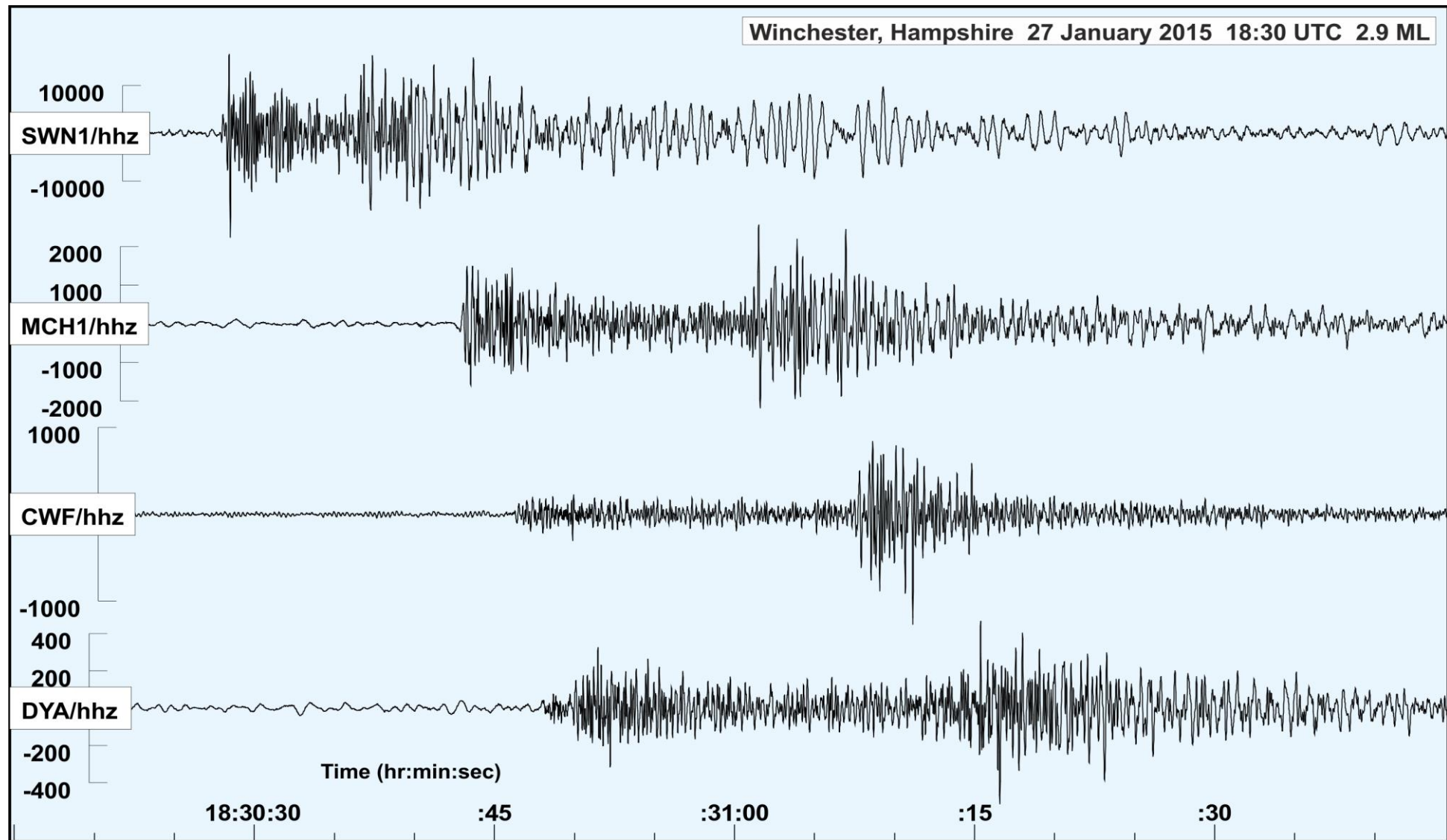
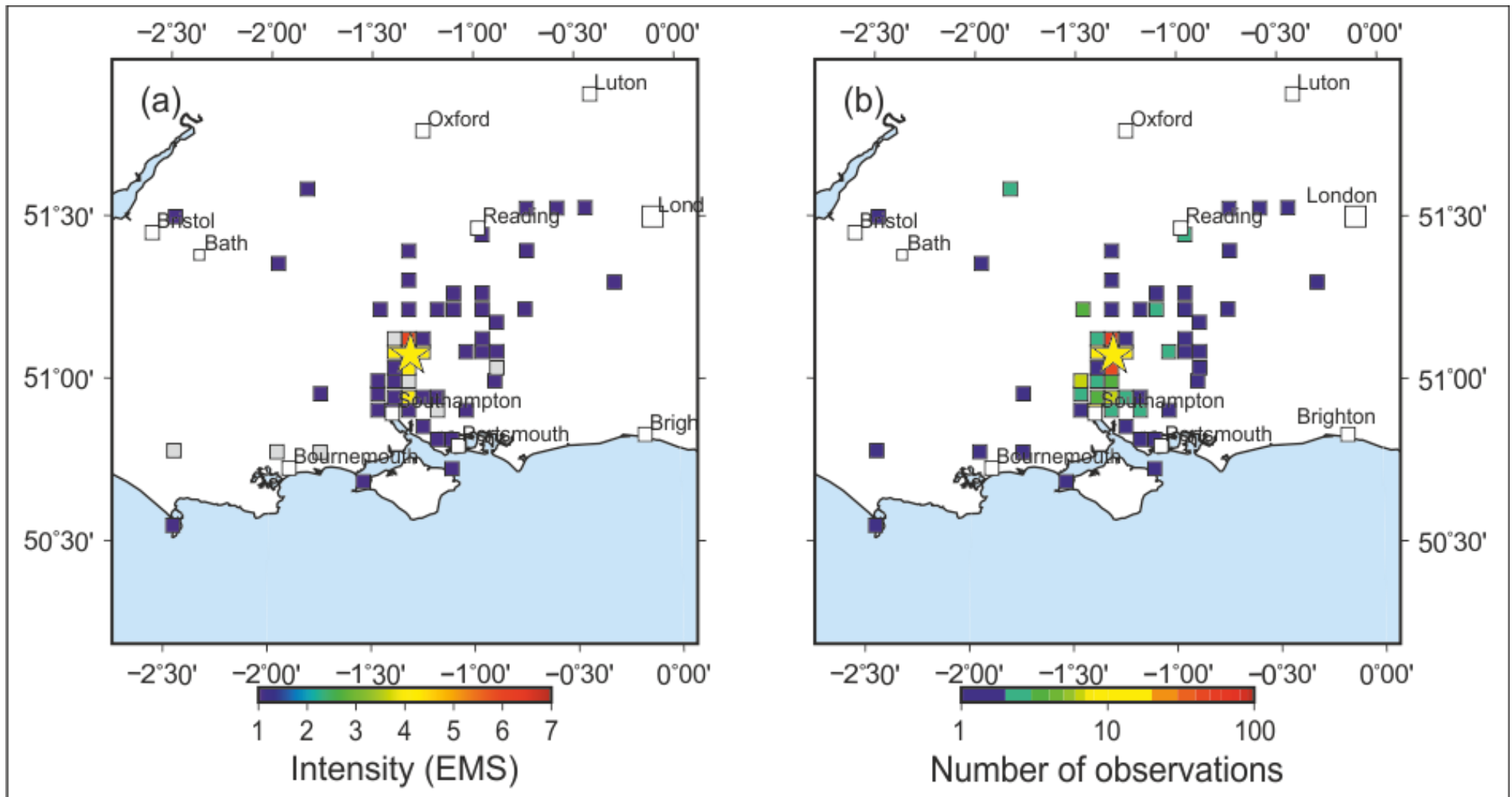


Figure 9. Seismograms of the ground displacement from the magnitude 2.9 ML Winchester earthquake, 27 January 2015, recorded by BGS seismograph stations.



**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**

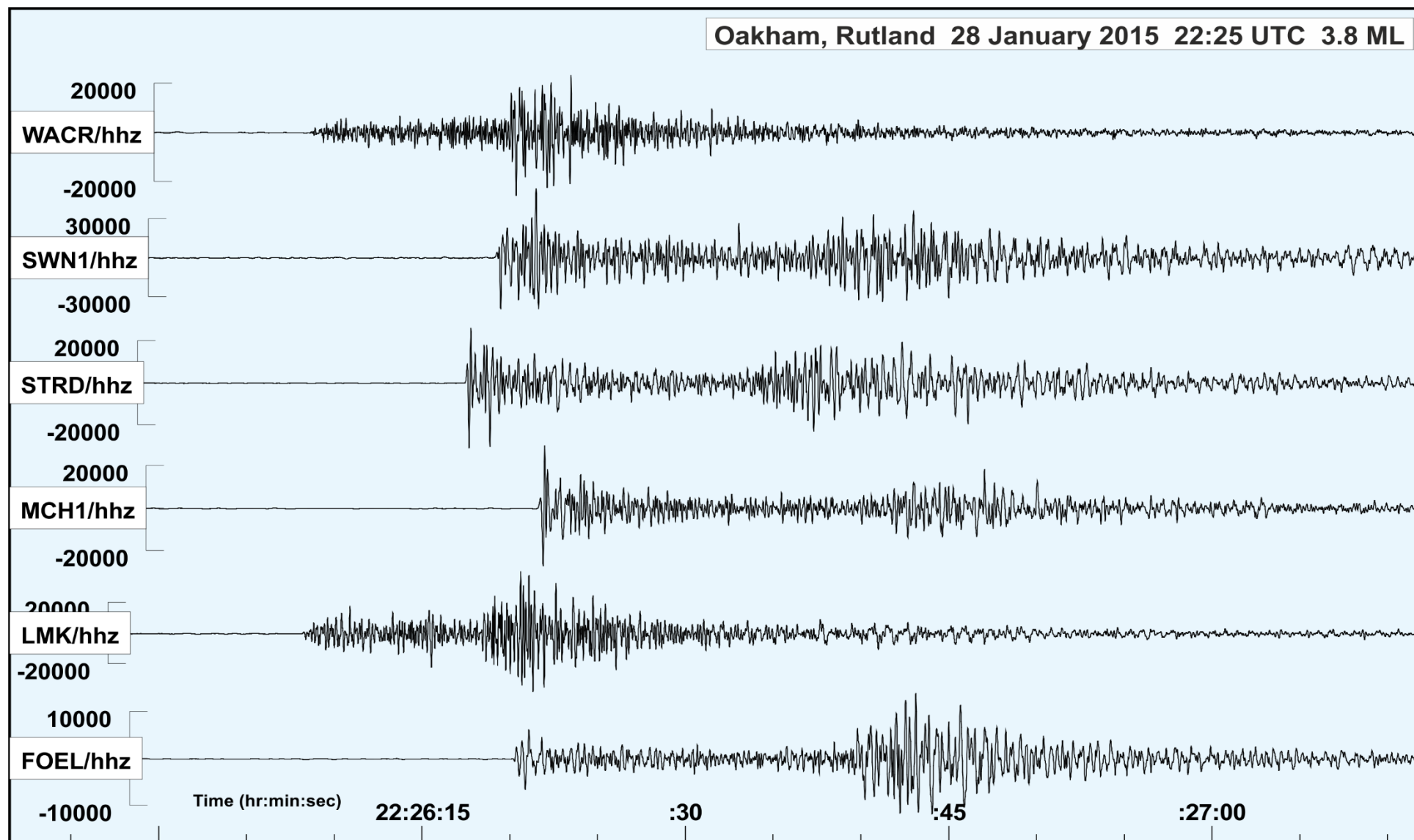
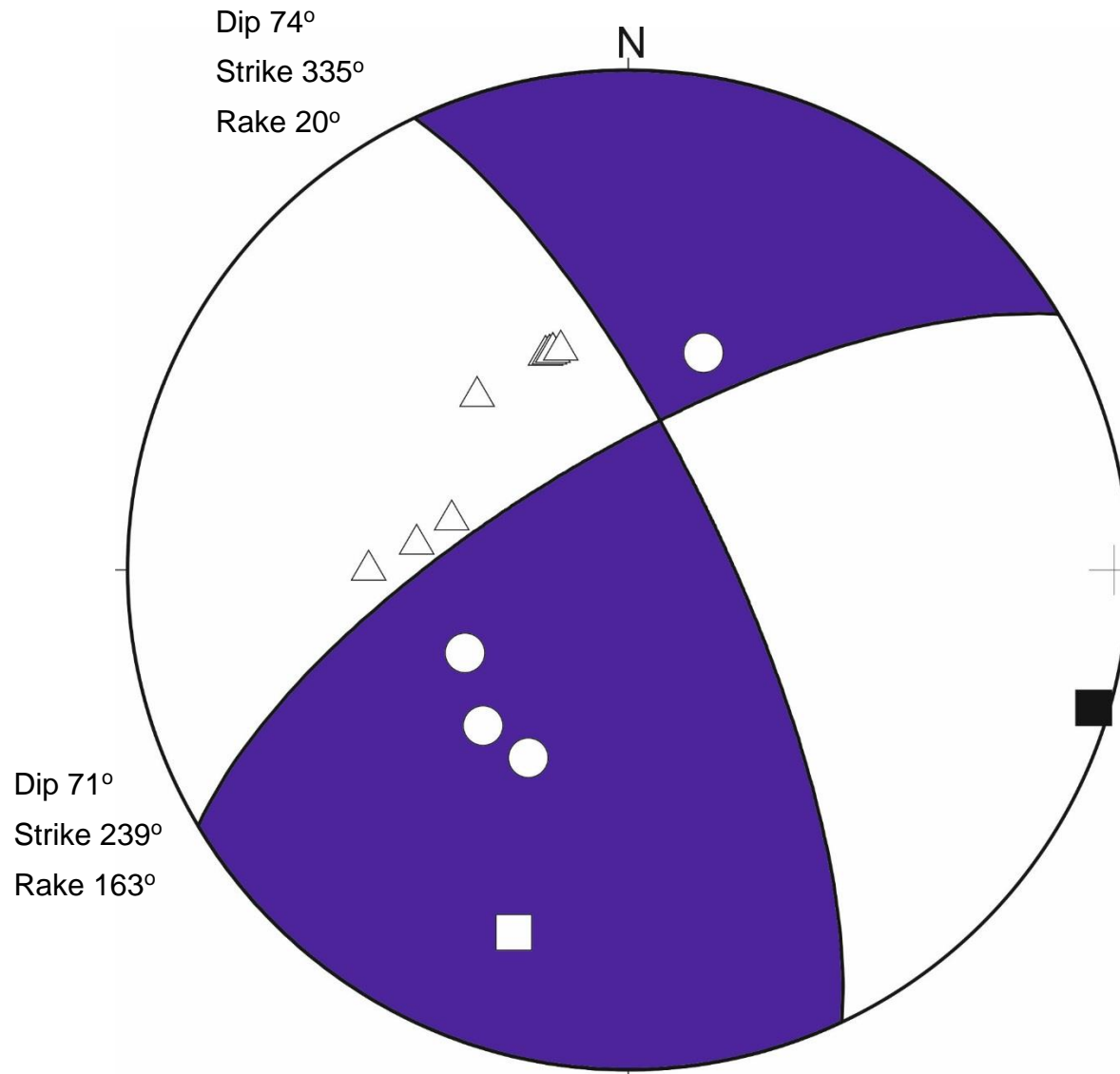


Figure 11. Seismograms of the ground displacement from the magnitude 3.8 ML Oakham earthquake, 28 January 2015, recorded by BGS seismograph stations.



**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 (Snoke et al., 1984)**



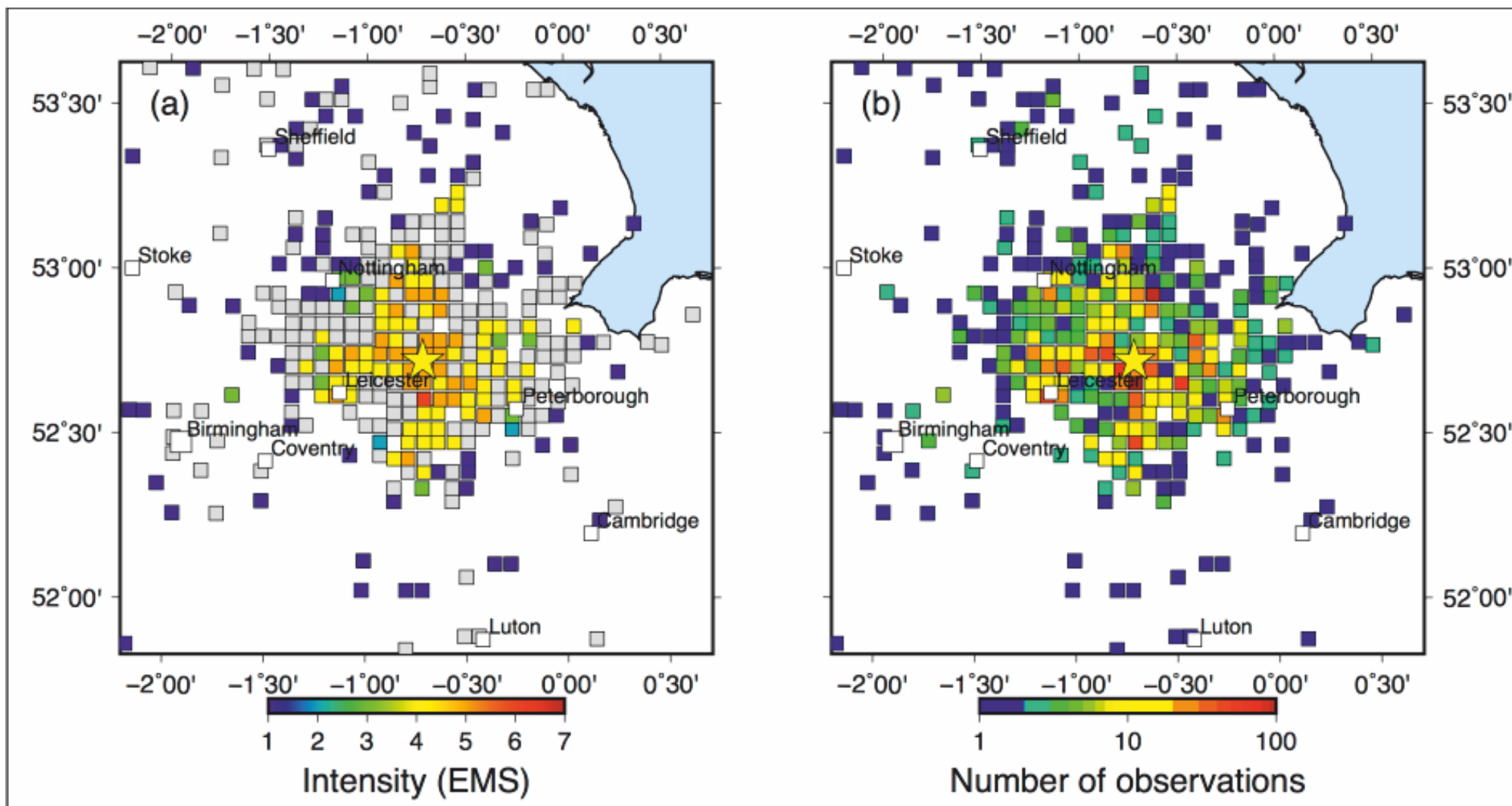


Figure 13. (a) Macroseismic intensities for the Oakham earthquake on 28 January 2015 calculated in 5 km grid squares. A minimum of five observations are required to calculate an intensity value. Squares are coloured by intensity. Grey squares show places where the earthquake was felt but there were fewer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

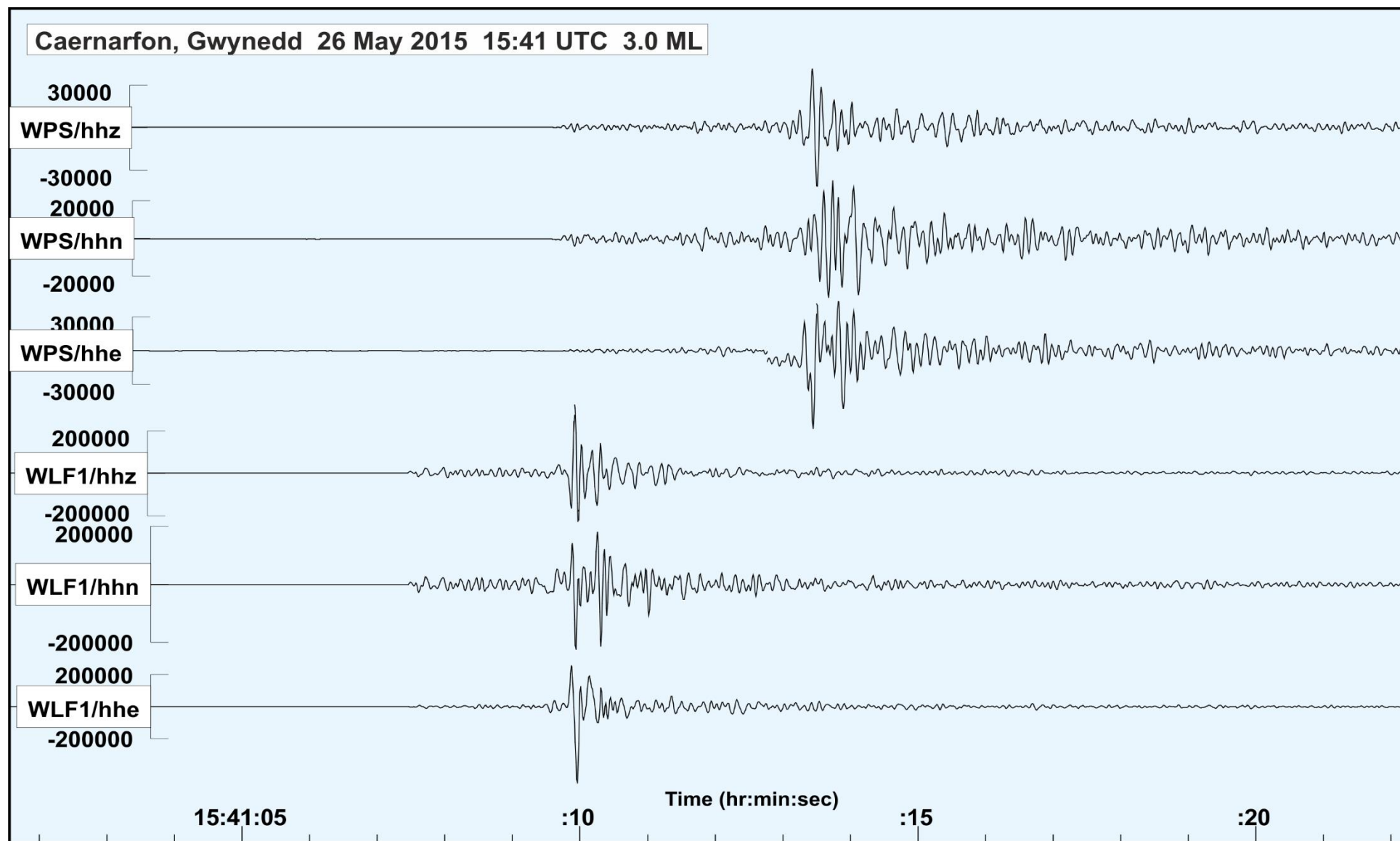
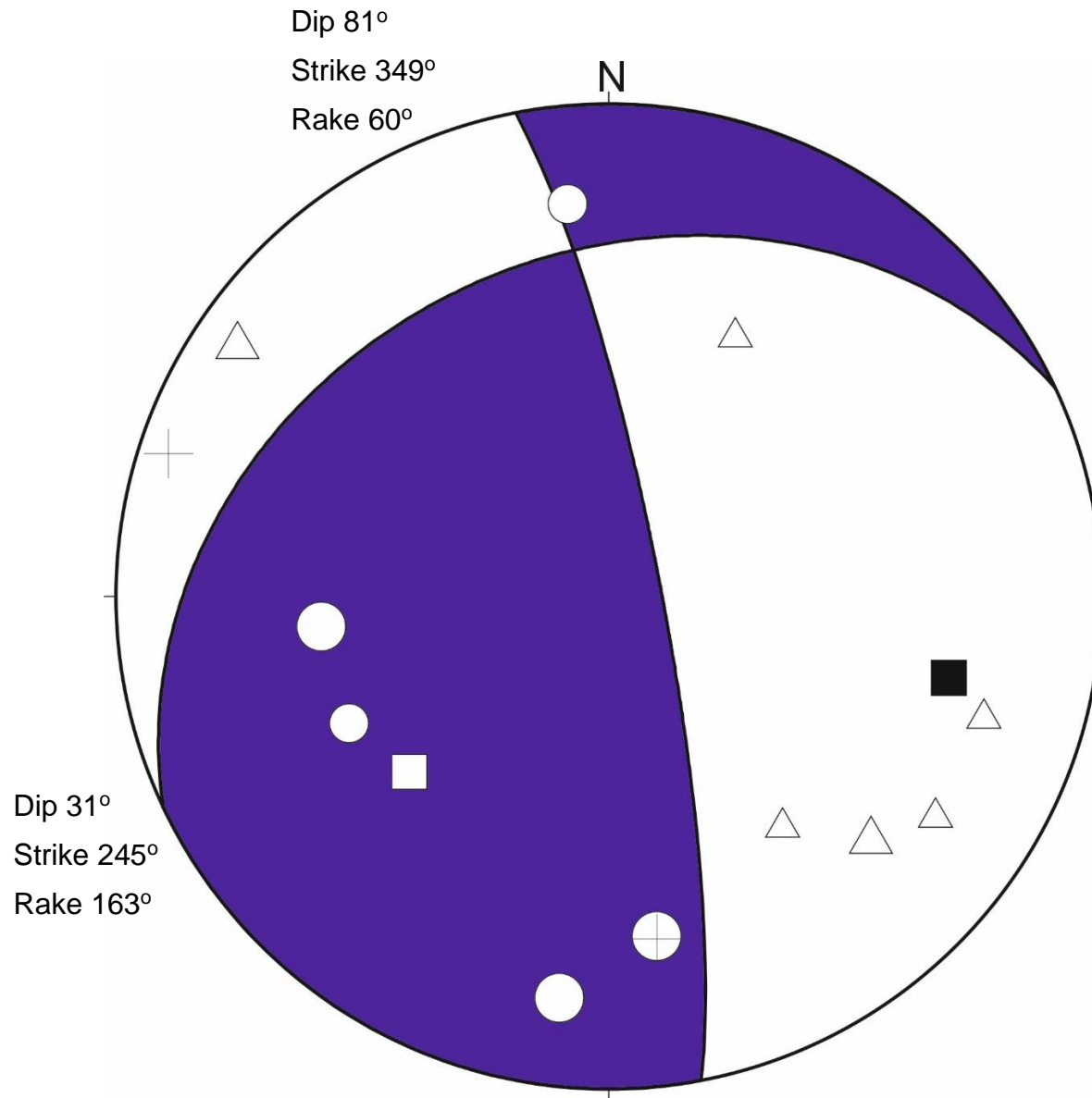


Figure 14. Seismograms of the ground displacement from the magnitude 3.0 ML Caernarfon earthquake, 26 May 2015, recorded by BGS seismograph stations.



**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)

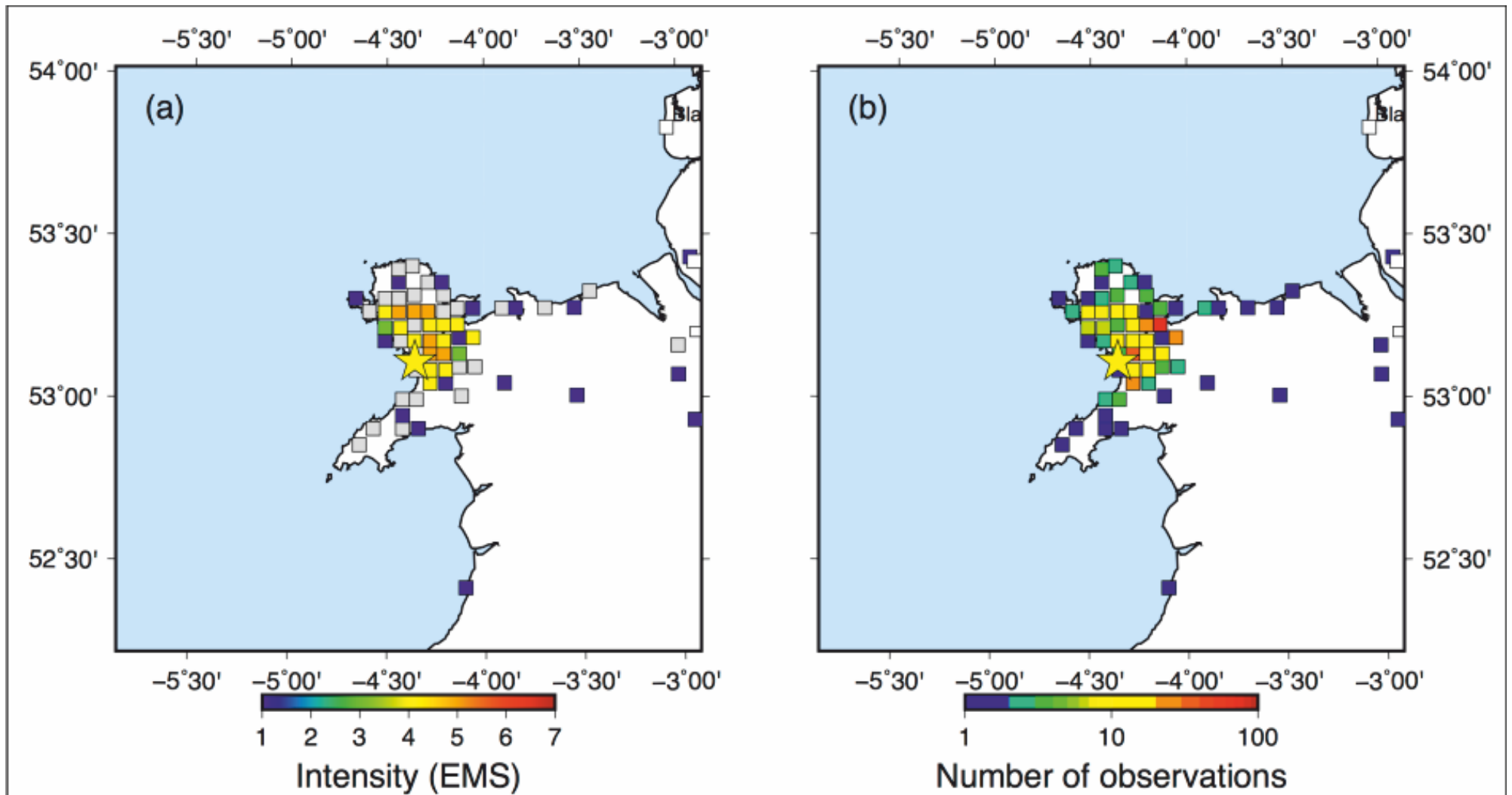


Figure 16. (a) Macroseismic intensities for the Caernarfon earthquake on 26 May 2015 calculated in 5 km grid squares. A minimum of five observations are required to calculate an intensity value. Squares are coloured by intensity. Grey squares show places where the earthquake was felt but there were fewer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

**TABLE 1 : CATALOGUE OF EVENTS : 2015**

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20150101	071154.9	55.04	-2.80	348.9	572.4	5.2	0.4	BEWCASTLE, CUMBRIA		4	153	0.20	2.78	8.00	
20150103	231723.4	56.80	-4.96	219.3	771.9	2.4	0.6	FORT WILLIAM, HIGHLAND		4	141	0.10	2.28	1.90	
20150108	202658.8	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
20150109	002158.8	58.52	-4.67	244.4	961.7	6.8	1.4	DURNESS, HIGHLAND		4	236	0.40	5.49	0.00	
20150109	010321.6	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
20150114	072049.3	51.88	-2.27	381.2	219.7	15.4	1.8	GLOUCESTER, GLOS		9	71	0.30	2.90	3.60	
20150117	220908.6	51.02	-4.69	211.7	128.5	8.7	0.4	HARTLAND POINT, DEVON		4	261	0.20	4.12	2.60	
20150118	155953.5	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
20150119	031634.1	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
20150120	215056.3	53.34	-2.77	348.8	382.9	6.9	0.8	RUNCORN, CHESHIRE		5	101	0.30	4.43	0.00	
20150120	231612.0	52.56	-1.91	405.9	296.3	7.7	0.8	WALSALL, WEST MIDLANDS		5	127	0.30	5.50	9.50	
20150122	004220.2	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
20150124	195017.2	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
20150127	183017.2	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...
20150128	064931.6	54.68	-2.67	357.0	532.2	5.3	0.6	PENRITH, CUMBRIA		5	180	0.30	4.03	5.00	
20150128	222553.7	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...
20150130	162540.8	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
20150207	023817.1	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
20150207	061204.9	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
20150207	062748.6	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
20150207	063200.9	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
20150209	115651.5	54.24	-2.61	360.3	483.2	12.2	2.0	KIRKBY LONSDALE, CUMBRIA		9	124	0.20	2.16	1.90	
20150210	011517.0	53.51	-2.45	370.0	401.0	8.9	0.9	LEIGH, GTR MANCHESTER		7	147	0.20	2.52	3.40	
20150210	212050.8	53.11	-3.15	322.7	357.5	4.2	0.2	MOLD, FLINTSHIRE		4	240	0.30	5.95	5.10	
20150211	231213.8	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
20150213	210227.1	54.15	-2.86	343.8	473.2	7.5	0.7	SILVERDALE, LANCASHIRE		6	90	0.20	2.30	9.40	
20150214	214016.8	52.99	-4.37	240.9	346.4	18.6	0.8	LLEYN PENINSULA		6	218	0.10	2.69	2.00	
20150214	214025.2	53.01	-4.36	241.6	348.1	20.7	0.9	LLEYN PENINSULA		7	192	0.10	3.28	2.50	
20150215	202327.4	57.40	-5.71	177.0	840.8	7.8	2.1	APPLECROSS, HIGHLAND	2	10	149	0.20	3.42	1.80	FELT LOHCARRON
20150216	210350.9	56.71	-5.74	171.4	763.7	7.8	0.6	ACHARACLE, HIGHLAND		4	207	0.20	4.85	6.90	
20150217	201553.1	54.15	-2.86	343.6	472.9	8.4	1.1	SILVERDALE, LANCASHIRE		7	77	0.30	3.69	4.60	
20150221	025155.8	56.24	-5.43	187.7	710.4	4.9	0.5	KILMELFORD, ARGYLL/BUTE		7	155	0.40	5.50	2.40	
20150221	180443.4	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
20150222	155531.2	53.08	-2.85	342.9	353.8	8.8	1.4	FARNDON, CHESHIRE		7	72	0.20	2.95	4.00	
20150225	104124.9	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...
20150225	132531.2	52.21	-2.50	366.0	257.4	4.0	2.1	BROMYARD, HEREFORDSHIRE		14	86	0.40	4.35	5.70	
20150225	211938.8	53.48	-2.61	359.7	398.2	7.7	0.6	GOLBORNE, GTR MANCHESTER		6	150	0.20	2.34	6.50	
20150225	225507.6	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
20150225	233517.5	49.09	-2.37	373.0	-90.3	9.2	0.7	JERSEY, CHANNEL ISLANDS		3	340	0.30	4.84	8.80	
20150227	012831.4	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**

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20150227	155748.9	55.31	-3.14	327.7	602.4	6.4	0.5	ESKDALEMUIR, D & G		4	259	0.00	2.59	0.60	
20150228	022247.2	49.12	-2.38	372.6	-86.7	12.4	0.6	JERSEY, CHANNEL ISLANDS		5	339	0.00	1.89	1.70	
20150301	180555.5	53.10	-2.89	340.1	355.9	4.7	0.5	ROSSETT, WREXHAM		6	182	0.40	5.86	7.10	
20150305	061816.7	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
20150307	012448.1	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
20150310	170208.8	55.18	-4.03	270.8	588.9	2.6	0.8	MONIAIVE, D & G		10	93	0.50	4.58	7.30	
20150313	122757.5	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
20150313	170352.7	54.98	-1.90	406.3	565.6	2.5	1.0	PRUDHOE, NORTHUMBERLAND		5	197	0.20	2.97	2.20	
20150313	173027.4	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
20150314	205355.1	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
20150315	001204.9	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
20150315	120606.1	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
20150316	231602.2	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
20150317	062416.3	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
20150318	234350.8	53.41	-4.46	236.8	393.4	3.2	0.3	CEMAES, ANGLESEY		4	212	0.00	1.08	1.10	
20150319	111243.5	56.98	-5.84	166.6	794.7	5.8	0.8	MALLAIG, HIGHLAND		4	174	0.20	5.73	5.10	
20150321	054151.3	56.99	-5.80	169.0	794.9	7.5	0.5	MALLAIG, HIGHLAND		5	171	0.30	7.02	8.10	
20150321	114623.6	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
20150321	172416.5	56.46	-6.04	151.0	737.3	8.1	1.4	MULL, ARGYLL & BUTE		8	199	0.40	9.57	9.20	
20150324	084436.0	52.15	-3.02	329.9	250.2	10.1	1.1	KINGTON, HEREFORDSHIRE		5	200	0.00	1.43	1.90	
20150327	115811.5	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
20150327	205526.7	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
20150327	213549.1	51.83	-2.37	374.6	214.9	6.1	0.7	GLOUCESTER, GLOS		8	82	0.20	2.40	2.80	
20150402	165045.4	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...
20150403	062154.4	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...
20150404	135653.8	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
20150406	025527.9	53.05	-3.12	325.1	350.9	12.9	1.5	COEDPOETH, WREXHAM		12	79	0.30	3.54	4.90	
20150406	050521.9	56.25	-5.42	188.0	711.8	5.3	0.9	KILMELFORD, ARGYLL/BUTE		8	155	0.20	2.60	1.00	
20150407	190311.7	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
20150409	234837.3	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
20150410	050536.6	49.42	-2.71	348.2	-53.1	6.0	0.8	GUERNSEY, CHANNEL ISLES		6	200	0.10	5.04	2.10	
20150413	220826.5	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
20150416	000524.4	53.36	-0.70	486.6	385.3	9.5	0.9	GAINSBOROUGH, LINCS		5	108	0.30	3.94	6.00	
20150417	065101.1	53.32	-2.77	348.4	381.0	7.5	1.1	RUNCORN, CHESHIRE		8	128	0.20	1.98	5.40	
20150420	142424.8	56.15	-5.34	192.4	700.3	3.5	1.5	KILMARTIN, ARGYLL/BUTE		6	156	0.20	4.95	1.30	
20150423	181902.3	51.65	0.68	585.2	198.5	6.6	1.9	NORTH FAMBRIDGE, ESSEX		5	152	0.10	1.80	3.20	
20150427	183104.4	55.39	-3.02	335.7	610.8	2.8	0.7	CRAIK, BORDERS		6	135	0.10	1.70	2.00	
20150506	132510.1	56.56	-5.55	181.7	746.4	5.3	1.3	MORVERN, HIGHLAND		3	266	0.10	2.06	1.60	
20150511	021649.2	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**

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20150511	185532.0	54.15	-2.91	340.7	473.5	1.7	1.7	KENTS BANK, CUMBRIA		8	90	0.20	1.70	1.90	
20150512	060221.6	56.67	-4.49	247.3	755.9	2.5	1.3	LOCH RANNOCH, PERTSHIRE		5	104	0.30	5.69	4.90	
20150512	221351.4	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
20150514	123838.3	54.35	-3.11	327.8	496.0	4.4	1.4	CONISTON, CUMBRIA		7	161	0.10	1.86	2.20	
20150514	203535.2	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
20150516	023135.3	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
20150520	020545.5	56.83	-5.88	163.2	777.8	7.9	1.5	SMIRISARY, HIGHLAND		9	184	0.30	8.55	6.60	OFFSHORE SMIRISARY
20150520	174145.6	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
20150520	222931.6	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
20150522	015217.8	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...
20150522	200821.5	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
20150524	061730.8	56.83	-5.91	161.8	777.5	7.5	0.6	SMIRISARY, HIGHLAND		7	155	0.30	7.75	8.80	OFFSHORE SMIRISARY
20150524	123456.1	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
20150524	152410.2	57.32	-3.84	289.3	827.3	3.7	0.7	CARRBRIDGE, HIGHLAND		8	69	0.20	1.94	2.10	
20150526	013550.5	52.70	-0.73	485.5	312.6	3.1	0.8	OAKHAM, RUTLAND		5	156	0.30	4.14	8.30	
20150526	154103.8	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...
20150527	012203.4	51.61	-3.11	323.1	191.0	5.7	0.7	RISCA, CAERPHILLY		5	164	0.10	7.12	5.70	
20150527	085426.3	56.83	-5.94	159.8	777.7	7.5	0.8	SMIRISARY, HIGHLAND		5	225	0.30	5.00	12.60	OFFSHORE SMIRISARY
20150530	180948.0	53.99	-1.88	407.7	455.0	7.4	1.7	SKIPTON, N YORKSHIRE		8	128	0.30	4.74	3.40	
20150530	192012.8	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
20150531	161943.7	56.41	-6.05	150.3	731.7	7.9	0.8	MULL, ARGYLL & BUTE		5	261	0.20	4.90	0.00	
20150601	033613.7	53.22	-4.71	219.3	372.3	15.2	0.6	CAERNARFON BAY, GWYNEDD		7	245	0.30	5.16	2.30	
20150605	003008.3	52.84	-2.13	391.2	326.8	7.8	0.3	STAFFORD, STAFFS		5	115	0.40	6.37	7.20	
20150607	151417.5	52.99	-2.78	347.4	344.3	3.0	0.7	MALPAS, CHESHIRE		7	130	0.20	2.52	4.20	
20150610	130303.1	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
20150612	035452.2	53.34	-2.78	348.3	383.4	4.8	0.7	WIDNES, CHESHIRE		5	177	0.30	4.10	0.60	
20150612	093835.7	51.71	-4.16	250.9	204.0	6.0	1.8	LLANELLI, CARMARTHS		7	179	0.30	7.25	7.30	
20150613	070305.2	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
20150615	171934.9	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
20150615	235002.8	53.16	-3.98	267.7	364.5	9.9	0.7	BETHESDA, GWYNEDD		6	188	0.10	3.64	3.80	
20150616	160243.5	53.56	-1.66	422.8	406.9	11.8	1.8	PENISTONE, S YORKSHIRE		6	163	0.10	3.65	1.20	
20150619	130256.2	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
20150625	111625.6	52.99	-2.78	347.7	344.1	2.6	1.1	MALPAS, CHESHIRE		7	131	0.10	1.30	2.30	
20150626	010040.0	53.05	-5.19	186.4	354.6	10.1	0.7	IRISH SEA		4	328	0.10	6.98	4.30	
20150626	115506.4	53.32	-3.33	311.6	381.1	5.6	1.9	HOLYWELL, FLINTSHIRE		14	77	0.30	4.77	0.20	
20150627	013447.5	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
20150628	050423.7	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
20150628	120032.5	56.64	-5.49	186.0	755.2	12.9	0.6	STRONTIAN, HIGHLAND		4	181	0.10	2.68	6.20	
20150630	074636.5	55.81	-3.17	326.9	657.9	7.9	1.0	PENICUIK, MIDLOTHIAN		5	124	0.20	5.76	4.00	

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YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20150630	075917.6	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
20150630	083542.5	54.77	-3.30	316.6	542.7	7.8	0.6	ASPATRIA,CUMBRIA		5	143	0.20	2.15	5.80	
20150701	004559.8	56.65	-5.53	183.6	756.7	7.9	0.5	STRONTIAN,HIGHLAND		4	185	0.20	3.45	14.00	
20150701	112729.1	57.40	-5.83	169.8	840.6	9.4	0.8	APPLECROSS,HIGHLAND		5	156	0.30	5.57	3.60	
20150706	103323.9	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
20150707	011137.5	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
20150708	143215.3	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
20150709	051219.4	55.98	-11.89	-215.9	721.0	21.3	1.9	ATLANTIC,NW OF IRELAND		7	244	0.40	5.16	0.00	
20150710	144055.8	52.79	-0.93	472.2	322.3	6.3	1.0	MELTON MOWBRAY,LEICS		6	145	0.30	3.47	3.30	
20150710	224001.8	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
20150712	034924.9	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
20150717	095856.1	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
20150717	225730.4	54.45	-2.96	337.8	506.7	6.8	1.0	AMBLESIDE,CUMBRIA		7	137	0.30	3.00	3.40	
20150718	045244.4	53.22	-4.10	259.5	371.3	17.7	0.7	BANGOR,GWYNEDD		7	155	0.10	3.16	2.80	
20150720	223630.2	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
20150722	191222.0	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
20150724	102028.2	54.73	-3.15	326.1	537.6	4.4	1.0	WIGTON,CUMBRIA		6	132	0.20	3.61	6.90	
20150724	125827.2	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
20150725	001000.6	53.79	-2.31	379.6	432.4	7.7	1.3	BURNLEY,LANCASHIRE		4	127	0.40	8.45	0.00	
20150726	004801.8	56.34	-5.85	161.9	723.5	4.5	1.3	MULL,ARGYLL & BUTE		10	180	0.40	5.20	0.30	
20150726	101807.5	57.09	-5.74	173.2	806.5	4.1	0.7	AIROR,HIGHLAND		6	164	0.40	0.22	7.30	
20150731	153815.1	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
20150801	210452.3	57.69	-5.70	179.6	872.1	2.5	0.7	BADACHRO,HIGHLAND		7	131	0.50	9.44	5.30	
20150801	232105.3	53.68	-2.37	375.8	420.4	9.9	0.7	HELMSHORE,LANCASHIRE		6	122	0.20	2.01	3.10	
20150802	034227.7	51.73	-4.02	260.6	205.3	7.5	1.3	PONTARDDULAIS,SWANSEA		10	95	0.30	2.61	6.60	
20150804	231938.2	55.79	-5.30	192.8	660.1	6.7	0.9	SKIPNESS,ARGYLL & BUTE		7	140	0.20	2.82	9.90	
20150804	235419.8	54.93	-2.62	360.4	559.2	4.2	0.8	BRAMPTON,CUMBRIA		7	120	0.20	2.69	6.70	
20150806	150359.3	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...
20150809	080739.1	54.98	-2.19	387.5	564.8	3.5	1.2	HEXHAM,NORTHUMBERLAND		8	184	0.30	3.83	3.10	
20150809	231936.0	55.81	-6.45	121.3	666.0	7.1	0.9	ISLAY,ARGYLL & BUTE		3	247	0.40	6.03	7.20	
20150811	090602.9	53.01	-4.38	240.5	348.8	10.7	1.2	LLEYN PENINSULA		10	216	0.20	4.21	2.00	
20150812	102628.3	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
20150812	115952.6	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
20150816	145457.2	57.49	-5.26	204.7	849.2	11.2	1.6	ACHNASHEEN,HIGHLAND		8	87	0.20	3.49	2.80	
20150817	173714.2	56.00	-4.88	220.3	682.5	9.2	0.6	LOCH LONG,ARGYLL/BUTE		7	95	0.40	3.89	8.40	
20150819	225051.5	56.57	-4.31	258.1	744.6	3.5	0.8	GLEN LYON,PERTH/KINROSS		6	114	0.20	2.39	3.80	
20150820	052520.7	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
20150823	224354.8	52.95	-4.40	238.6	341.5	19.3	0.7	LLEYN PENINSULA		7	227	0.20	5.22	7.90	
20150826	172936.8	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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20150904	032350.9	54.18	-2.92	340.2	476.2	5.6	0.9	KENTS BANK, CUMBRIA		6	229	0.20	3.97	3.30	
20150904	181440.2	51.84	-2.88	339.7	216.5	17.7	0.8	CROSS ASH, MONMOUTHSHIRE		6	144	0.20	2.80	1.80	
20150907	094523.7	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
20150907	121553.3	54.52	-5.99	142.1	521.3	3.3	0.8	DRUMBEG, COUNTY DOWN		3	288	0.40	4.63	3.20	
20150907	172227.2	57.19	-5.74	174.2	817.2	2.5	0.8	SKYE, HIGHLAND		5	159	0.30	8.73	4.00	
20150908	233515.5	57.20	-5.70	176.8	818.1	6.1	0.7	SKYE, HIGHLAND		6	157	0.30	6.81	2.70	
20150911	104454.7	55.81	-3.82	285.8	659.1	7.5	1.1	SHOTTS, N LANARKSHIRE		11	54	0.20	2.20	5.90	
20150912	020042.8	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...
20150918	223123.7	55.81	-4.59	237.9	660.8	7.8	0.5	HOWWOOD, RENFREWSHIRE		4	156	0.20	3.67	6.60	
20150919	013037.7	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
20150919	200828.6	53.94	-5.04	200.7	454.1	5.0	0.5	IRISH SEA		8	90	0.40	5.31	5.40	
20150921	181733.3	54.78	-2.84	346.2	543.0	7.7	0.4	CALTHWAITE, CUMBRIA		6	136	0.20	1.91	2.90	
20150922	214011.0	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...
20150925	112257.0	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
20150925	195219.1	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
20150927	024938.8	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
20150927	223335.5	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
20150930	020644.5	52.82	-3.28	313.6	325.7	8.8	0.7	PENYBONTFAWR, POWYS		7	137	0.10	3.13	3.30	
20150930	050447.0	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
20150930	051654.4	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
20151001	220633.8	53.15	-4.32	244.6	364.3	7.0	0.4	NEWBOROUGH, ANGLESEY		5	176	0.10	2.10	1.30	
20151003	032721.7	57.10	-5.36	196.7	805.8	8.0	0.6	KINLOCH HOURN, HIGHLAND		4	194	0.20	1.40	7.90	
20151003	183616.0	54.74	-3.65	293.7	539.8	2.5	0.2	SOLWAY FIRTH		5	113	0.20	1.80	2.10	
20151004	022254.3	55.87	-5.41	186.8	669.1	7.7	1.1	TARBERT, ARGYLL & BUTE		10	148	0.30	3.76	5.50	
20151005	025338.4	51.66	-3.16	319.6	196.7	9.2	1.0	BLACKWOOD, CAERPHILLY		5	240	0.20	5.74	4.20	
20151005	030923.7	55.72	-5.48	181.6	653.0	10.7	0.7	CLACHAN, ARGYLL & BUTE		5	255	0.10	2.40	2.70	
20151005	034459.1	51.66	-3.16	319.8	196.4	10.8	1.5	BLACKWOOD, CAERPHILLY		8	114	0.20	2.53	2.80	
20151005	095439.6	51.65	-3.15	320.8	195.4	10.2	0.8	BLACKWOOD, CAERPHILLY		5	195	0.20	5.62	2.90	
20151008	220422.2	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...
20151010	122801.0	57.12	-5.34	197.7	807.8	9.7	0.5	KINLOCH HOURN, HIGHLAND		5	141	0.20	5.39	6.60	
20151010	234554.4	55.77	-5.30	193.3	658.3	8.0	0.4	SKIPNESS, ARGYLL & BUTE		6	139	0.30	4.43	0.00	
20151011	024605.5	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
20151011	210247.4	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
20151013	002712.6	53.04	-3.73	283.9	350.5	10.7	0.4	PENTREFOELAS, CONWY		8	166	0.20	2.94	2.10	
20151016	002118.0	51.67	-3.17	319.2	197.7	9.4	0.9	BLACKWOOD, CAERPHILLY		8	154	0.30	4.43	2.90	
20151016	062901.4	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
20151018	003924.8	55.75	-5.46	183.0	655.7	13.0	0.4	CLACHAN, ARGYLL & BUTE		7	154	0.30	5.06	7.30	
20151018	235000.0	50.43	-5.07	181.9	63.7	6.6	1.0	NEWQUAY, CORNWALL		4	191	0.30	8.90	4.80	
20151019	052540.4	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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YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20151022	235944.6	54.59	-2.94	339.3	521.8	4.2	0.7	DOCKRAY,CUMBRIA		7	123	0.20	2.98	4.10	
20151024	071808.3	52.99	-2.38	374.3	343.3	10.5	1.4	MADELEY,STAFFORDSHIRE		8	124	0.20	3.45	3.10	
20151025	123356.2	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
20151027	071633.9	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
20151028	173237.5	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
20151029	045100.9	55.70	-5.31	192.0	650.6	7.7	0.5	ARRAN,NORTH AYRSHIRE		5	138	0.30	4.07	0.00	
20151029	053806.7	54.34	-2.22	386.0	494.4	7.5	0.5	HAWES,NORTH YORKSHIRE		4	158	0.20	3.05	9.20	
20151030	225614.8	56.71	-6.42	129.3	766.8	2.5	1.6	COLL,ARGYLL & BUTE		7	220	0.50	9.87	9.50	
20151101	030704.3	52.91	-3.40	305.6	335.7	15.5	0.3	LLANDRILLO,DENBIGHSHIRE		6	156	0.10	1.84	0.90	
20151102	143138.2	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
20151103	062353.6	51.02	-2.60	357.6	124.7	4.2	1.1	ILCHESTER,SOMERSET		7	190	0.20	5.52	6.50	
20151103	072219.9	55.72	-5.50	180.1	652.8	11.9	0.6	CLACHAN,ARGYLL & BUTE		6	157	0.20	5.58	6.00	
20151109	000239.6	51.08	-4.76	206.5	134.3	20.9	1.1	BRISTOL CHANNEL		6	162	0.20	5.07	3.60	
20151113	154708.2	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
20151113	164309.2	56.01	-5.39	188.4	684.3	11.5	0.9	KILMORY,ARGYLL & BUTE		6	156	0.20	2.98	4.70	
20151117	030356.7	55.91	-3.96	277.6	670.6	7.5	0.8	WATTSTON,N LANARKSHIRE		8	94	0.30	2.42	7.00	
20151119	092454.9	53.24	-1.20	453.5	371.7	7.3	1.8	WARSOP,NOTTINGHAMSHIRE		9	163	0.30	5.10	9.90	
20151119	103148.1	53.24	-1.20	453.3	371.3	7.5	1.7	WARSOP,NOTTINGHAMSHIRE		8	163	0.40	6.43	2.90	
20151119	141836.1	56.85	7.46	975.5	813.6	10.0	3.8	EASTERN NORTH SEA		18	317	0.30	8.45	0.00	
20151120	012154.5	53.24	-1.13	457.9	371.4	6.3	1.4	WARSOP,NOTTINGHAMSHIRE		10	171	0.40	5.41	0.40	
20151120	012912.7	53.25	-1.13	458.0	372.7	6.4	1.2	WARSOP,NOTTINGHAMSHIRE		3	214	0.10	0.61	0.30	
20151120	214838.6	53.24	-1.12	458.5	371.8	7.5	1.7	WARSOP,NOTTINGHAMSHIRE		14	77	0.60	6.04	0.00	
20151121	005518.7	53.25	-1.12	458.5	373.2	6.7	1.8	WARSOP,NOTTINGHAMSHIRE		11	89	0.40	2.77	4.90	
20151121	021438.2	53.22	-1.20	453.2	370.0	6.4	1.2	WARSOP,NOTTINGHAMSHIRE		6	163	0.10	2.02	1.80	
20151121	204828.8	53.25	-1.12	458.4	372.5	6.9	1.2	WARSOP,NOTTINGHAMSHIRE		4	126	0.40	7.28	0.50	
20151122	065632.7	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
20151122	182342.2	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
20151123	074422.7	54.79	-2.90	342.1	543.8	6.1	0.6	IVEGILL,CUMBRIA		6	126	0.20	3.05	4.60	
20151123	203936.0	54.81	-1.49	432.8	546.1	4.9	1.3	DURHAM,COUNTY DURHAM		5	196	0.40	6.94	6.80	
20151125	132005.0	53.25	-1.15	456.4	372.7	5.8	1.5	WARSOP,NOTTINGHAMSHIRE		4	212	0.10	3.40	5.10	
20151125	150008.2	53.26	-1.11	459.6	374.1	7.5	1.1	WARSOP,NOTTINGHAMSHIRE		3	262	0.10	9.13	8.60	
20151125	202728.6	53.25	-1.12	458.9	373.3	7.7	1.4	WARSOP,NOTTINGHAMSHIRE		7	126	0.20	1.43	2.60	
20151125	203020.1	53.26	-1.12	458.8	373.9	6.8	1.9	WARSOP,NOTTINGHAMSHIRE		10	84	0.40	3.35	6.30	
20151125	215315.3	53.26	-1.12	458.7	373.5	6.6	1.5	WARSOP,NOTTINGHAMSHIRE		7	170	0.70	9.23	0.00	
20151125	223850.0	53.26	-1.12	458.4	373.6	7.1	1.6	WARSOP,NOTTINGHAMSHIRE		10	90	0.40	2.28	7.10	
20151126	021043.4	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
20151126	040235.7	53.24	-1.19	453.8	372.0	7.0	1.1	WARSOP,NOTTINGHAMSHIRE		5	163	0.30	4.68	0.00	
20151126	160027.6	53.25	-1.12	458.9	373.3	6.3	1.2	WARSOP,NOTTINGHAMSHIRE		4	216	0.10	3.71	5.40	
20151126	170917.5	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**

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20151126	210903.7	53.26	-1.12	458.8	374.1	6.2	1.0	WARSOP, NOTTINGHAMSHIRE		4	216	0.10	3.08	4.70	
20151127	020536.9	53.25	-1.12	458.9	373.4	5.4	0.8	WARSOP, NOTTINGHAMSHIRE		4	219	0.20	5.49	4.20	
20151127	114237.7	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
20151129	040829.9	53.25	-1.11	459.0	373.2	6.1	0.8	WARSOP, NOTTINGHAMSHIRE		4	216	0.20	3.30	4.90	
20151129	143625.6	55.83	-5.46	183.5	664.9	7.7	1.4	TARBERT, ARGYLL & BUTE		7	158	0.30	5.19	6.70	
20151201	164307.5	54.44	-2.92	340.1	505.6	12.4	1.1	AMBLESIDE, CUMBRIA		6	138	0.20	2.62	2.60	
20151204	015343.0	50.56	-4.30	236.9	76.5	3.9	1.3	LAUNCESTON, CORNWALL		5	119	0.40	3.55	5.60	
20151210	182201.8	55.45	-3.45	308.1	618.3	3.4	0.4	TWEEDSMUIR, BORDERS		7	162	0.20	2.80	4.20	
20151211	072045.8	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
20151211	184123.1	54.31	-1.86	409.0	490.6	2.6	1.1	LEYBURN, NORTH YORKSHIRE		5	165	0.30	6.58	7.30	
20151211	234230.3	55.22	-3.53	302.7	592.9	4.5	1.4	JOHNSTONEBRIDGE, D & G		10	68	0.30	2.72	3.40	
20151213	013923.4	51.66	-3.17	319.3	195.8	9.0	1.3	BLACKWOOD, CAERPHILLY		7	157	0.30	4.59	4.10	
20151213	052818.8	51.65	-3.21	316.4	195.4	5.1	2.4	BLACKWOOD, CAERPHILLY		12	106	0.30	5.35	5.00	
20151215	123156.4	53.36	-4.06	262.9	386.8	7.7	1.0	IRISH SEA		8	150	0.30	3.58	0.20	OFFSHORE ANGLESEY
20151218	135212.9	53.02	-1.99	400.7	347.4	5.6	1.1	KINGSLEY, STAFFORDSHIRE		5	103	0.10	1.06	1.10	
20151221	103107.3	56.97	7.01	946.6	822.4	17.5	4.0	EASTERN NORTH SEA		19	221	0.50	4.44	1.50	
20151224	015947.6	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
20151224	225211.8	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
20151226	051503.0	56.89	-4.95	220.3	781.5	3.9	1.3	SPEAN BRIDGE, HIGHLAND		5	186	0.20	4.55	2.80	
20151226	221110.7	51.91	-4.09	256.4	225.4	7.4	1.1	LLANFYRDD, CARMARTHNS		5	113	0.60	4.23	1.90	
20151227	110847.3	51.66	-3.20	316.9	196.6	9.3	0.8	BLACKWOOD, CAERPHILLY		4	180	0.10	3.52	2.20	
20151227	143352.7	51.67	-3.18	318.5	197.1	11.2	1.7	BLACKWOOD, CAERPHILLY		9	155	0.30	3.40	2.60	
20151227	215449.0	51.66	-3.18	318.2	196.5	9.0	1.8	BLACKWOOD, CAERPHILLY		9	102	0.20	2.68	3.30	
20151227	230547.8	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
20151228	205938.7	53.20	-1.53	431.7	367.6	16.2	1.1	CHESTERFIELD, DERBYSHIRE		5	168	0.10	0.85	0.70	
20151228	221112.9	51.66	-3.17	318.8	196.7	10.6	1.6	BLACKWOOD, CAERPHILLY		6	185	0.60	8.90	0.00	
20151229	222644.3	57.66	-5.58	186.5	869.2	2.4	1.1	TALLADALE, HIGHLAND		3	281	0.20	4.73	9.50	
20151230	010352.1	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																																																																					
Lat: 55.043N										Lon: -2.800W										Depth: 5.2 km																																																																					
Grid Ref: 348.89 kmE										572.35 kmN										RMS: 0.20 secs																																																																					
Locality: BEWCASTLE, 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	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																																																									
ESK	HZ	39.9	EP			07:12	02.16			-0.02	LINV	HE	49.9	EP			01:03	30.26			0.07	LINV	HE	49.9	EP			01:03	36.31			-0.14																																																									
ESK	HN	39.9	ES			07:12	07.29			-0.19	LINV	HN	49.9	IAML			01:03	43.30	208		0.16	LINV	HN	49.9	IAML			01:03	43.34	136		0.14																																																									
ESK	HN	39.9	IAML			07:12	07.52	5	0.11		INVG	HE	234.0	ES			01:04	21.61			0.10	INVG	HE	234.0	IAML			01:04	29.34	35	0.56																																																										
ESK	HE	39.9	IAML			07:12	07.57	4	0.10		INVG	HN	234.0	IAML			01:04	30.91	48	0.58																																																																					
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																																																										
GAL1	HZ	124.0	EP			07:12	15.35			0.16	Locality: GLOUCESTER, GLOS																																																																														
GAL1	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																													
Lat: 56.804N																														Lon: -4.960W																														Depth: 2.4 km																													
Grid Ref: 219.29 kmE																														771.94 kmN																														RMS: 0.10 secs																													
Locality: FORT WILLIAM, HIGHLAND																																																																																									
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																																																																																									
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																																																									
LAW	HZ	66.3	EP			23:17	34.96			0.08	STRD	HZ	13.4	EP			07:20	52.75			-0.19	STRD	HE	13.4	ES			07:20	55.74			0.18																																																									
LAW	HE	66.3	ES			23:17	43.27			-0.02	STRD	HN	13.4	IAML			07:20	56.06	139		0.14	STRD	HE	13.4	IAML			07:20	56.25	122		0.10																																																									
LAW	HE	66.3	IAML			23:17	43.36	5	0.18		OLDB	HZ	30.6	EP			07:20	54.91			-0.26	OLDB	HE	30.6	ES			07:20	59.46			0.04																																																									
LAW	HN	66.3	IAML			23:17	47.52	6	0.20		SSW	EZ	30.8	EP			07:20	55.21			-0.05	MCH1	HZ	51.7	IP			07:20	58.25			-0.12																																																									
INVG	HZ	70.1	EP			23:17	35.25			-0.25	MCH1	HE	51.7	ES			07:21	05.07			0.11	MCH1	HE	51.7	IAML			07:21	05.36	102	0.22																																																										
INVG	HN	70.1	ES			23:17	44.49			0.12	MCH1	HN	51.7	IAML			07:21	05.40	62	0.14		MCH1	HN	51.7	IAML			07:21	05.40	62	0.14																																																										
INVG	HE	70.1	IAML			23:17	48.47	2	0.12		SWN1	HZ	51.9	EP			07:20	58.21			-0.18	SWN1	HE	51.9	ES			07:21	05.26			0.28																																																									
INVG	HN	70.1	IAML			23:17	48.84	4	0.14		SWN1	HE	51.9	IAML			07:21	05.71	95	0.23		SWN1	HN	51.9	IAML			07:21	05.80	112	0.13																																																										
KPL	HZ	72.9	EP			23:17	35.90			0.01	SWN1	HN	51.9	IAML			07:21	05.80	112	0.13		CFW	HZ	116.0	EP			07:21	07.63			-0.26																																																									
KPL	HN	72.9	ES			23:17	44.92			-0.10	FOEL	HZ	129.0	EP			07:21	10.46			0.68	LBWR	HZ	174.0	EP			07:21	16.21			0.46																																																									
KPL	HE	72.9	IAML			23:17	49.17	2	0.11		DYA	HZ	198.0	EP			07:21	18.39			-0.34																																																																				
KPL	HN	72.9	IAML			23:17	49.22	3	0.13																																																																																
KAC	EZ	80.1	EP			23:17	37.19			0.16																																																																															
January 8 2015																														Time: 20:26 58.8 UTC																														Magnitude: 1.5 ML																													
Lat: 58.510N																														Lon: -4.684W																														Depth: 7.3 km																													
Grid Ref: 243.65 kmE																														961.07 kmN																														RMS: 0.60 secs																													
Locality: DURNESS, HIGHLAND																																																																																									
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0																																																																																									
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	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																																																									
BIGH	HZ	45.1	EP			20:27	06.81			0.10	HTL	HN	14.5	EP			22:09	13.54			0.06	HTL	HE	14.5	ES			22:09	17.01			-0.01																																																									
BIGH	HN	45.1	ES			20:27	12.04			-0.42	HTL	HE	14.5	IAML			22:09	17.34	6	0.17		HTL	HN	14.5	IAML			22:09	17.81	6	0.14																																																										
BIGH	HN	45.1	IAML			20:27	12.39	69	0.10		SBD	BZ	51.1	EP			22:09	17.75			-0.07	SBD	BN	51.1	ES			22:09	24.43			-0.08																																																									
BIGH	HE	45.1	IAML			20:27	13.09	44	0.16		SBD	BN	51.1	IAML			22:09	25.05	3	0.15		SBD	BN	51.1	IAML			22:09	25.36	6	0.10																																																										
LINV	HZ	50.4	EP			20:27	07.48			-0.04	DYA	HE	84.5	EP			22:09	22.23			-0.27	DYA	HN	84.5	ES			22:09	32.84			0.23																																																									
LINV	HE	50.4	ES			20:27	13.56			-0.30	DYA	HN	84.5	ES			22:09	32.84			0.23	DYA	HN	84.5	IAML			22:09	33.43	1	0.14																																																										
LINV	HE	50.4	IAML			20:27	13.82	16	0.22		DYA	HE	84.5	IAML			22:09	34.35	1	0.10		CCA1	HZ	101.0	EP			22:09	24.98			0.19																																																									
LINV	HN	50.4	IAML			20:27	20.55	23	0.18		CCA1	HN	101.0	ES			22:09	36.85			0.27	CCA1	HN	101.0	ES			22:09	37.07	1	0.15																																																										
KAC	EZ	118.0	EP			20:27	18.51			0.42	CCA1	HE	101.0	IAML			22:09	37.07	1	0.15		CCA1	HN	101.0	IAML			22:09	37.45	1	0.15																																																										
LEWI	HN	134.0	ES			20:27	35.05			-1.18																																																																															
LEWI	HN	134.0	IAML			20:27	37.62	17	0.11																																																																																
LEWI	HE	134.0	IAML			20:27	37.65	11	0.11																																																																																
KPL	HZ	142.0	EP			20:27	22.32			0.76																																																																															
KPL	HE	142.0	ES			20:27	38.81			0.66																																																																															
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																													
Lat: 58.516N																														Lon: -4.672W																														Depth: 6.8 km																													
Grid Ref: 244.38 kmE																														961.71 kmN																														RMS: 0.40 secs																													
Locality: DURNESS, HIGHLAND																																																																																									
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	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																																																									
BIGH	HZ	44.5	EP			00:22	06.77			0.16	WPS	HZ	68.5	EP			16:00	05.31			0.11	WLF1	HZ	73.0	EP			16:00	05.36			-0.55																																																									
BIGH	HN	44.5	ES			00:22	12.03			-0.28	WLF1	HE	73.0	ES			16:00	15.01			0.06	WLF1	HE	73.0	IAML			16:00	16.06	7	0.28																																																										
BIGH	HN	44.5	IAML			00:22	12.91	53	0.20		WLF1	HE	73.0	IAML			16:00	17.81	5	0.33		WLF1	HE	73.0	IAML			16:00	17.81	5	0.33																																																										
BIGH	HE	44.5	IAML			00:22	13.06	36	0.16		IOMK	HZ	74.6	EP			16:00	06.26			0.09	IOMK	HE	74.6	ES			16:00	15.34			-0.07																																																									
LINV	HZ	51.3	EP			00:22	07.46			-0.21	IOMK	HE	74.6	EP			16:00	06.26			0.09	IOMK	HN	74.6	IAML			16:00	17.63	7	0.16																																																										
LINV	HE	51.3	ES			00:22	13.44			-0.69	IOMK	HE	74.6	IAML			16:00	19.37	7	0.18		IOMK	HN	74.6	IAML			16:00	19.37	7	0.18																																																										
LINV	HE	51.3	IAML			00:22	13.68	14	0.22		KESW	HZ	95.7	EP			16:00	09.74			0.27	KESW	HE	95.7	EP			16:00	20.64			-0.48																																																									
LINV	HN	51.3	IAML			00:22	20.53	22	0.18		KESW	HE	95.7	ES			16:00	20.64			-0.48	KESW	HN	95.7	IAML			16:00	22.12	6	0.38																																																										
KAC	EZ	119.0	EP			00:22	18.11			-0.11	KESW	HN	95.7	IAML			16:00	22.12	6	0.38		KESW	HN	95.7	IAML			16:00	22.83	4	0.22																																																										
KPL	HZ	143.0	EP			00:22	22.34			0.64	GAL1	HZ	134.0	EP			16:00	15.90			0.58	GAL1	HN	134.0	ES			16:00	31.16			-0.07																																																									
KPL	HE	143.0	ES			00:22	38.89			0.48	GAL1	HN	134.0	IAML			16:00	32.50	2	0.24		GAL1	HN	134.0	IAML			16:00	32.50	2	0.24																																																										
KPL	HE																																																																																								

# TABLE 2 : PHASE DATA

HLMI	HE	154.0	ES		16:00	36.72			0.35	JSA	HZ	114.0	ES		00:42	52.17			-0.08		
HLMI	HE	154.0	IAML		16:00	37.90	2	0.33		JSA	HE	114.0	IAML		00:42	55.88	8	0.10			
HLMI	HN	154.0	IAML		16:00	38.09	2	0.25		JSA	HN	114.0	IAML		00:42	56.79	8	0.32			
January 19 2015      Time: 03:16 34.1 UTC      Magnitude: 1.3 ML																					
Lat: 53.405N      Lon: -2.627W      Depth: 5.0 km																					
Grid Ref: 358.32 kmE 390.01 kmN      RMS: 0.40 secs																					
Locality: WARRINGTON, CHESHIRE																					
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0																					
Comment: FELT WARRINGTON      Intensity: 2																					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	January 24 2015      Time: 19:50 17.2 UTC      Magnitude: 1.6 ML										
LBWR	HZ	60.0	IP		C	03:16	44.84			0.32	Lat: 55.788N      Lon: -6.355W      Depth: 7.4 km										
LBWR	HE	60.0	ES			03:16	51.96			-0.15	Grid Ref: 127.03 kmE 663.55 kmN      RMS: 0.40 secs										
LBWR	HN	60.0	IAML			03:16	53.20	18	0.19		Locality: ISLAY, ARGYLL & BUTE										
LBWR	HE	60.0	IAML			03:16	53.57	13	0.18		Velocity model: Lownet Xnear: 150.0 Xfar: 300.0										
HPK	HZ	90.4	EP			03:16	49.41			0.20	Comment: FELT ISLAY      Intensity: 3										
HPK	HE	90.4	ES			03:16	59.89			-0.33	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HPK	HE	90.4	IAML			03:17	00.69	12	0.19		LAW	HZ	79.5	EP			19:50	30.05			-0.40
HPK	HN	90.4	IAML			03:17	00.97	10	0.24		LAW	HE	79.5	ES			19:50	39.99			-0.09
LLW	BZ	93.0	EP			03:16	49.87			0.26	LAW	HN	79.5	IAML			19:50	42.91	30	0.20	
LLW	BN	93.0	ES			03:17	00.43			-0.47	LAW	HE	79.5	IAML			19:50	43.56	38	0.26	
HLMI	HZ	100.0	EP			03:16	51.11			0.35	CLGH	HZ	80.0	EP			19:50	30.54			-0.01
WME	EZ	111.0	EP			03:16	52.86			0.40	CLGH	HN	80.0	ES			19:50	39.57			-0.70
CFW	HE	115.0	EP			03:16	52.47			-0.62	CLGH	HE	80.0	ES			19:50	39.84			
WLF1	HZ	119.0	EP			03:16	53.61			0.07	CLGH	HE	80.0	IAML			19:50	41.80	40	0.12	
WLF1	HN	119.0	ES			03:17	07.01			-0.69	CLGH	HN	80.0	IAML			19:50	42.22	62	0.22	
WLF1	HN	119.0	IAML			03:17	08.19	10	0.15		PGB1	HZ	117.0	EP			19:50	36.53			0.19
WLF1	HE	119.0	IAML			03:17	08.71	7	0.24		PGB1	HN	117.0	ES			19:50	49.81			-0.47
WPS	HZ	124.0	EP			03:16	54.93			0.48	PGB1	HE	117.0	IAML			19:50	51.62	18	0.28	
January 20 2015      Time: 21:50 56.3 UTC      Magnitude: 0.8 ML																					
Lat: 53.340N      Lon: -2.769W      Depth: 6.9 km																					
Grid Ref: 348.80 kmE 382.87 kmN      RMS: 0.30 secs																					
Locality: RUNCORN, CHESHIRE																					
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	January 27 2015      Time: 18:30 17.2 UTC      Magnitude: 2.9 ML										
LBWR	HE	69.8	ES			21:51	16.43			-0.23	Lat: 51.082N      Lon: -1.311W      Depth: 3.0 km										
LBWR	HN	69.8	IAML			21:51	19.40	4	0.32		Grid Ref: 448.26 kmE 131.69 kmN      RMS: 0.30 secs										
LBWR	HE	69.8	IAML			21:51	19.65	4	0.31		Locality: WINCHESTER, HAMPSHIRE										
HLMI	HZ	91.7	EP			21:51	11.70			0.22	Velocity model: Lownet Xnear: 150.0 Xfar: 300.0										
HLMI	HN	91.7	ES			21:51	22.49			-0.08	Comment: FELT WINCHESTER...      Intensity: 4										
HLMI	HE	91.7	IAML			21:51	22.88	2	0.17		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
HLMI	HN	91.7	IAML			21:51	23.22	2	0.19		WOL	BZ	26.4	EP			18:30	22.15			-0.42
HPK	HZ	102.0	EP			21:51	13.35			0.28	WOL	BN	26.4	ES			18:30	26.25			-0.28
HPK	HN	102.0	ES			21:51	25.00			-0.32	WOL	BN	26.4	IAML			18:30	36.21	1259	0.45	
HPK	HE	102.0	IAML			21:51	26.73	5	0.58		WOL	BE	26.4	IAML			18:30	36.91	993	0.50	
HPK	HN	102.0	IAML			21:51	26.98	4	0.16		BUW	HZ	36.9	EP			18:30	24.38			0.03
WLF1	HZ	109.0	EP			21:51	14.28			0.26	BUW	HE	36.9	ES			18:30	29.71			0.10
WLF1	HN	109.0	ES			21:51	26.57			-0.40	SWN1	HZ	58.8	EP			18:30	27.80			-0.18
WLF1	HN	109.0	IAML			21:51	27.86	2	0.25		SWN1	HN	58.8	ES			18:30	36.29			0.40
WLF1	HE	109.0	IAML			21:51	29.37	4	0.20		SWN1	HN	58.8	IAML			18:30	44.59	622	0.36	
KESW	HZ	141.0	EP			21:51	19.01			0.17	SWN1	HE	58.8	IAML			18:30	52.20	717	0.56	
KESW	HN	141.0	ES			21:51	35.84			0.53	BATH	HZ	81.5	EP			18:30	31.21			-0.27
January 20 2015      Time: 23:16 12.0 UTC      Magnitude: 0.8 ML																					
Lat: 52.564N      Lon: -1.913W      Depth: 7.7 km																					
Grid Ref: 405.90 kmE 296.28 kmN      RMS: 0.30 secs																					
Locality: WALSALL, WEST MIDLANDS																					
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	BATH										
CFW	HZ	45.4	EP			23:16	20.04			0.09	BATH										
CFW	HN	45.4	ES			23:16	25.26			-0.47	BATH										
CFW	HN	45.4	IAML			23:16	25.53	7	0.12		STRD										
CFW	HE	45.4	IAML			23:16	25.54	5	0.10		STRD										
HLMI	HZ	65.8	EP			23:16	23.31			0.14	STRD										
HLMI	HE	65.8	ES			23:16	31.13			-0.16	STRD										
HLMI	HN	65.8	IAML			23:16	31.45	6	0.16		OLDB										
HLMI	HE	65.8	IAML			23:16	31.49	6	0.15		OLDB										
STRD	HN	89.3	ES			23:16	38.07			0.56	OLDB										
STRD	HE	89.3	IAML			23:16	38.70	7	0.09		OLDB										
STRD	HN	89.3	IAML			23:16	38.76	5	0.10		HMNX										
LBWR	HN	94.1	ES			23:16	39.23			0.39	HMNX										
LBWR	HN	94.1	IAML			23:16	39.50	4	0.20		HMNX										
LBWR	HE	94.1	IAML			23:16	40.37	5	0.23		MCH1										
MCH1	HZ	97.2	EP			23:16	27.81			-0.19	MCH1										
MCH1	HN	97.2	ES			23:16	39.28			-0.36	MCH1										
MCH1	HN	97.2	IAML			23:16	39.64	1	0.15		MCH1										
MCH1	HE	97.2	IAML			23:16	40.33	1	0.21		CFW										
January 22 2015      Time: 00:42 20.2 UTC      Magnitude: 1.4 ML																					
Lat: 49.146N      Lon: -3.733W      Depth: 9.4 km																					
Grid Ref: 273.63 kmE -82.33 kmN      RMS: 0.40 secs																					
Locality: ENGLISH CHANNEL																					
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																					
Comment: 140KM SOUTH PLYMOUTH																					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	CFW										
ROSF	BZ	96.1	EP			00:42	36.14			0.13	CFW										
ROSF	BE	96.1	ES			00:42	47.33			-0.21	HLM1										
JSA	HZ	114.0	EP			00:42	39.16			0.43	HLM1										
January 24 2015      Time: 19:50 17.2 UTC      Magnitude: 1.6 ML																					
Lat: 55.788N      Lon: -6.355W      Depth: 7.4 km																					
Grid Ref: 127.03 kmE 663.55 kmN      RMS: 0.40 secs																					
Locality: ISLAY, ARGYLL & BUTE																					
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0																					
Comment: FELT ISLAY      Intensity: 3																					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	HLM1										
LAW	HZ	79.5	EP			19:50	30.05			-0.40	HLM1										
LAW	HE	79.5	ES			19:50	39.99			-0.09	HLM1										
LAW	HN	79.5	IAML			19:50	42.91	30	0.20		HLM1										
LAW	HE	79.5	IAML			19:50	43.56	38	0.26		DYA										
CLGH	HZ	80.0	EP			19:50	30.54			-0.01	DYA										
CLGH	HN	80.0	ES			19:50	39.57			-0.70	DYA										
CLGH	HE	80.0	ES			19:50	39.84				WACR										
CLGH	HE	80.0	IAML			19:50	41.80	40	0.12		WACR										
CLGH	HN	80.0	IAML			19:50	42.22	62	0.22		WACR										
PGB1	HZ	117.0	EP			19:50	36.53			0.19	WACR										
PGB1	HN	117.0	ES			19:50	49.81			-0.47	WACR										
PGB1	HE	117.0	IAML			19:50	51.62	18	0.28		WACR										
PGB1	HN	117.0	IAML			19:50	51.64	14	0.21		WACR										
GALL	HZ	146.0	EP			19:50	40.93			0.40	WACR										
GALL	HE	146.0	ES			19:50	57.96			0.43	WACR										
GALL	HN	146.0	IAML			19:50	59.12	8	0.46		WACR										
GALL	HE	146.0	IAML			19:50	59.19	8	0.18		WACR										
NEWG	HZ	154.0	EP			19:50	42.05			0.44	WACR										
NEWG	HN	154.0	IAML			19:51	02.16	4	0.19		WACR										
NEWG	HE	154.0	IAML			19:51	02.66	5	0.11		WACR										
INVG	HZ	160.0	EP			19:50	42.82			0.24	WACR										
INVG	HN	160.0	IAML			19:51	04.06	9	0.24		WACR										
INVG	HE	160.0	IAML			19:51	05.04	10	0.34		WACR										
KPL	HZ	178.0	EP			19:50	44.88			0.04	WACR										



# 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	February 10 2015 Time: 01:15 17.0 UTC Magnitude: 0.9 ML											
HTL	HN	135.0	ES			06:12	42.89			0.06	Lat: 53.505N Lon: -2.452W Depth: 8.9 km											
HTL	HN	135.0	IAML			06:12	44.81		8	0.25	Grid Ref: 370.02 kmE 401.05 kmN RMS: 0.20 secs											
HTL	HE	135.0	IAML			06:12	45.21		10	0.43	Locality: LEIGH, GTR MANCHESTER											
February 7 2015 Time: 06:27 48.6 UTC Magnitude: 1.7 ML										Velocity model: Lownet Xnear: 150.0 Xfar: 300.0												
Lat: 49.804N Lon: -4.684W Depth: 3.3 km										STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES		
Grid Ref: 206.89 kmE -7.17 kmN RMS: 0.30 secs										STNC	HZ	48.8	EP			01:15	25.44			0.01		
Locality: ENGLISH CHANNEL										LBWR	HZ	49.6	EP			01:15	25.40			-0.17		
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										LBWR	HN	49.6	ES			01:15	31.90			0.07		
Comment: 45KM SSE FALMOUTH										LBWR	HE	49.6	IAML			01:15	32.95	8	0.15			
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	LBWR	HN	49.6	IAML	01:15	33.18	6	0.18				
CCA1	HZ	57.7	EP			06:27	58.67			-0.09	HPK	HZ	74.4	EP	01:15	29.13		0.05				
CCA1	HE	57.7	ES			06:28	05.99			-0.16	HPK	HN	74.4	ES	01:15	37.91		0.01				
CCA1	HN	57.7	IAML			06:28	08.93		33	0.11	HPK	HN	74.4	IAML	01:15	38.69	16	0.38				
CCA1	HE	57.7	IAML			06:28	08.97		42	0.07	HPK	HE	74.4	IAML	01:15	38.85	21	0.31				
SBD	BZ	84.7	EP			06:28	02.87			-0.07	LLW	BZ	109.0	EP	01:15	34.50		0.47				
SBD	BN	84.7	ES			06:28	13.56			0.17	LLW	BN	109.0	ES	01:15	46.33		-0.13				
SBD	BE	84.7	IAML			06:28	15.34		45	0.30	LLW	BE	109.0	IAML	01:15	47.55	2	0.50				
SBD	BN	84.7	IAML			06:28	15.40		25	0.25	LLW	BN	109.0	IAML	01:15	47.76	2	0.25				
DYA	HZ	88.5	EP			06:28	03.53			-0.02	HLM1	HZ	113.0	EP	01:15	34.72		0.02				
DYA	HE	88.5	ES			06:28	14.16			-0.27	HLM1	HE	113.0	ES	01:15	47.59		-0.05				
DYA	HN	88.5	IAML			06:28	16.67		26	0.18	HLM1	HE	113.0	IAML	01:15	48.93	2	0.20				
DYA	HE	88.5	IAML			06:28	16.74		11	0.13	HLM1	HN	113.0	IAML	01:15	49.51	2	0.17				
HTL	HZ	133.0	EP			06:28	11.28			0.87	CFW	HZ	115.0	EP	01:15	34.89		0.07				
HTL	HE	133.0	ES			06:28	26.40			0.10	CFW	HN	115.0	ES	01:15	47.84		0.01				
HTL	HE	133.0	IAML			06:28	28.09		30	0.26	CFW	HE	115.0	IAML	01:15	49.28	3	0.24				
HTL	HN	133.0	IAML			06:28	28.22		30	0.22	CFW	HN	115.0	IAML	01:15	49.97	3	0.20				
February 7 2015 Time: 06:32 00.9 UTC Magnitude: 1.3 ML										WLF1	HZ	132.0	EP			01:15	36.79			-0.43		
Lat: 49.794N Lon: -4.718W Depth: 3.8 km										WLF1	HN	132.0	ES			01:15	52.05			0.07		
Grid Ref: 204.41 kmE -8.19 kmN RMS: 0.40 secs										WLF1	HN	132.0	IAML			01:15	52.40	3	0.23			
Locality: ENGLISH CHANNEL										WLF1	HE	132.0	IAML			01:15	52.60	2	0.19			
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										February 10 2015 Time: 21:20 50.8 UTC Magnitude: 0.2 ML												
Comment: 45KM SSE FALMOUTH										Lat: 53.109N Lon: -3.155W Depth: 4.2 km												
										Grid Ref: 322.69 kmE 357.52 kmN RMS: 0.30 secs												
										Locality: MOLD, FLINTSHIRE												
										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	
CCA1	HZ	56.9	EP			06:32	10.73			-0.14	FOEL	HZ	24.6	EP			21:20	55.31			-0.26	
CCA1	HE	56.9	ES			06:32	18.03			-0.11	FOEL	HN	24.6	ES			21:20	58.95			-0.07	
CCA1	HN	56.9	IAML			06:32	20.98		13	0.09	FOEL	HE	24.6	IAML			21:20	59.09	6	0.09		
CCA1	HE	56.9	IAML			06:32	21.02		22	0.07	FOEL	HN	24.6	IAML			21:20	59.64	6	0.14		
SBD	BZ	85.8	EP			06:32	15.80			0.45	LLW	BZ	44.9	EP			21:20	59.31			0.42	
SBD	BE	85.8	IAML			06:32	27.53		18	0.12	LLW	BN	44.9	ES			21:21	04.97			0.20	
SBD	BN	85.8	IAML			06:32	27.64		11	0.14	LLW	BN	44.9	IAML			21:21	05.33	1	0.13		
DYA	HZ	90.8	EP			06:32	15.71			-0.44	LLW	BE	44.9	IAML			21:21	05.78	1	0.14		
DYA	HN	90.8	ES			06:32	27.30			0.03	HLM1	HE	68.3	EP			21:21	02.66			0.08	
DYA	HN	90.8	IAML			06:32	28.72		11	0.20	HLM1	HE	68.3	ES			21:21	10.97			-0.18	
DYA	HE	90.8	IAML			06:32	29.45		5	0.10	HLM1	HN	68.3	IAML			21:21	11.20	1	0.21		
HTL	HZ	135.0	EP			06:32	23.63			0.80	HLM1	HE	68.3	IAML			21:21	11.48	2	0.16		
HTL	HE	135.0	ES			06:32	38.55			-0.28	WLF1	HZ	85.4	EP			21:21	05.54			0.39	
HTL	HN	135.0	IAML			06:32	40.38		14	0.22	WLF1	HN	85.4	ES			21:21	15.23			-0.38	
HTL	HE	135.0	IAML			06:32	40.78		11	0.35	WLF1	HN	85.4	IAML			21:21	15.40	2	0.13		
February 9 2015 Time: 11:56 51.5 UTC Magnitude: 2.0 ML										WLF1	HE	85.4	ES			21:21	15.41			-0.20		
Lat: 54.243N Lon: -2.610W Depth: 12.2 km										WLF1	HE	85.4	IAML			21:21	18.14	3	0.05			
Grid Ref: 360.25 kmE 483.22 kmN RMS: 0.20 secs										February 11 2015 Time: 23:12 13.8 UTC Magnitude: 1.1 ML												
Locality: KIRKBY LONSDALE, CUMBRIA										Lat: 56.988N Lon: -5.845W Depth: 6.6 km												
Velocity model: Borders Xnear: 150.0 Xfar: 300.0										Grid Ref: 166.44 kmE 795.09 kmN RMS: 0.40 secs												
Comment: 45KM SSE FALMOUTH										Locality: MALLAIG, HIGHLAND												
										Velocity model: Lownet Xnear: 100.0 Xfar: 200.0												
										Intensity: 2												
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
KESW	HZ	50.1	EP			11:57	00.60			0.13	KPL	HZ	40.8	IP			D	23:12	21.01			0.00
KESW	HE	50.1	ES			11:57	06.81			-0.01	KPL	HE	40.8	ES			23:12	26.01			-0.28	
KESW	HE	50.1	IAML			11:57	07.13		101	0.26	KPL	HE	40.8	IAML			23:12	26.45	9	0.15		
KESW	HN	50.1	IAML			11:57	07.49		107	0.14	KPL	HE	40.8	IAML			23:12	26.67	10	0.21		
SPK	EZ	61.0	EP			11:57	02.27			0.11	LAWE	HZ	85.5	EP			23:12	27.98			0.02	
SPK	EN	61.0	ES			11:57	09.63			-0.09	LAWE	HN	85.5	ES			23:12	37.84			-0.48	
SPK	EN	61.0	IAML			11:57	09.96		230	0.24	LAWE	HE	85.5	IAML			23:12	37.99	13	0.16		
SPK	EE	61.0	IAML			11:57	10.37		298	0.28	LAWE	HN	85.5	IAML			23:12	38.43	11	0.11		
HPK	HZ	71.8	EP			11:57	03.97			0.02	INVG	HZ	127.0	EP			23:12	34.58			0.22	
HPK	HN	71.8	ES			11:57	12.52			-0.26	INVG	HE	127.0	ES			23:12	49.47			0.09	

# TABLE 2 : PHASE DATA

<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td>INVG HE 127.0 IAML</td> <td>23:12 52.95</td> <td>6 0.14</td> <td></td> </tr> <tr> <td>EAB EZ 128.0 EP</td> <td>23:12 35.15</td> <td></td> <td>0.55</td> </tr> <tr> <td>LEWI HZ 143.0 EP</td> <td>23:12 36.73</td> <td></td> <td>0.09</td> </tr> <tr> <td>LEWI HE 143.0 ES</td> <td>23:12 53.64</td> <td></td> <td>0.31</td> </tr> <tr> <td>LEWI HE 143.0 IAML</td> <td>23:12 54.65</td> <td>9 0.25</td> <td></td> </tr> <tr> <td>LEWI HN 143.0 IAML</td> <td>23:12 55.43</td> <td>8 0.22</td> <td></td> </tr> <tr> <td>PGB1 HN 156.0 ES</td> <td>23:12 57.37</td> <td></td> <td>0.88</td> </tr> <tr> <td>PGB1 HN 156.0 IAML</td> <td>23:12 58.87</td> <td>6 0.35</td> <td></td> </tr> <tr> <td>PGB1 HE 156.0 IAML</td> <td>23:12 59.28</td> <td>4 0.20</td> <td></td> </tr> <tr> <td>GALL HZ 247.0 EP</td> <td>23:12 50.86</td> <td></td> <td>0.82</td> </tr> <tr> <td>ESK HZ 248.0 EP</td> <td>23:12 50.33</td> <td></td> <td>0.08</td> </tr> </table> <p>February 13 2015 Time: 21:02 27.1 UTC Magnitude: 0.7 ML            Lat: 54.151N Lon: -2.861W Depth: 7.5 km            Grid Ref: 343.77 kmE 473.16 kmN RMS: 0.20 secs            Locality: SILVERDALE,LANCASHIRE            Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> <th>RES</th> </tr> </thead> <tbody> <tr><td>KESW</td><td>HZ</td><td>51.3</td><td>EP</td><td></td><td></td><td>21:02</td><td>36.05</td><td></td><td></td><td>0.13</td></tr> <tr><td>KESW</td><td>HE</td><td>51.3</td><td>ES</td><td></td><td></td><td>21:02</td><td>42.59</td><td></td><td></td><td>0.21</td></tr> <tr><td>KESW</td><td>HN</td><td>51.3</td><td>IAML</td><td></td><td></td><td>21:02</td><td>42.80</td><td>3</td><td>0.33</td><td></td></tr> <tr><td>KESW</td><td>HE</td><td>51.3</td><td>IAML</td><td></td><td></td><td>21:02</td><td>42.84</td><td>2</td><td>0.34</td><td></td></tr> <tr><td>HPK</td><td>HN</td><td>83.7</td><td>ES</td><td></td><td></td><td>21:02</td><td>51.26</td><td></td><td></td><td>0.19</td></tr> <tr><td>EDMD</td><td>HE</td><td>95.5</td><td>ES</td><td></td><td></td><td>21:02</td><td>53.85</td><td></td><td></td><td>-0.31</td></tr> <tr><td>EDMD</td><td>HE</td><td>95.5</td><td>IAML</td><td></td><td></td><td>21:02</td><td>54.14</td><td>4</td><td>0.31</td><td></td></tr> <tr><td>EDMD</td><td>HN</td><td>95.5</td><td>IAML</td><td></td><td></td><td>21:02</td><td>55.29</td><td>6</td><td>0.17</td><td></td></tr> <tr><td>LBWR</td><td>HN</td><td>112.0</td><td>ES</td><td></td><td></td><td>21:02</td><td>58.60</td><td></td><td></td><td>-0.11</td></tr> <tr><td>IOMK</td><td>HE</td><td>112.0</td><td>ES</td><td></td><td></td><td>21:02</td><td>58.41</td><td></td><td></td><td>-0.21</td></tr> <tr><td>WLF1</td><td>HE</td><td>140.0</td><td>ES</td><td></td><td></td><td>21:03</td><td>05.71</td><td></td><td></td><td>0.08</td></tr> </tbody> </table> <p>February 14 2015 Time: 21:40 16.8 UTC Magnitude: 0.8 ML            Lat: 52.991N Lon: -4.370W Depth: 18.6 km            Grid Ref: 240.94 kmE 346.40 kmN RMS: 0.10 secs            Locality: LLEYN PENINSULA            Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> <th>RES</th> </tr> </thead> <tbody> <tr><td>YLL</td><td>EZ</td><td>21.3</td><td>EP</td><td></td><td></td><td>21:40</td><td>21.66</td><td></td><td></td><td>-0.01</td></tr> <tr><td>YLL</td><td>EZ</td><td>21.3</td><td>ES</td><td></td><td></td><td>21:40</td><td>25.24</td><td></td><td></td><td>0.04</td></tr> <tr><td>YRC</td><td>EZ</td><td>32.0</td><td>EP</td><td></td><td></td><td>21:40</td><td>22.97</td><td></td><td></td><td>-0.09</td></tr> <tr><td>YRC</td><td>EZ</td><td>32.0</td><td>ES</td><td></td><td></td><td>21:40</td><td>27.66</td><td></td><td></td><td>0.05</td></tr> <tr><td>WLF1</td><td>HZ</td><td>33.2</td><td>EP</td><td></td><td></td><td>21:40</td><td>23.19</td><td></td><td></td><td>-0.05</td></tr> <tr><td>WLF1</td><td>HE</td><td>33.2</td><td>ES</td><td></td><td></td><td>21:40</td><td>27.86</td><td></td><td></td><td>-0.06</td></tr> <tr><td>WLF1</td><td>HE</td><td>33.2</td><td>IAML</td><td></td><td></td><td>21:40</td><td>28.11</td><td>22</td><td>0.10</td><td></td></tr> <tr><td>WLF1</td><td>HN</td><td>33.2</td><td>IAML</td><td></td><td></td><td>21:40</td><td>28.40</td><td>6</td><td>0.10</td><td></td></tr> <tr><td>WME</td><td>EZ</td><td>45.4</td><td>EP</td><td></td><td></td><td>21:40</td><td>24.90</td><td></td><td></td><td>-0.11</td></tr> <tr><td>WPS</td><td>HZ</td><td>46.4</td><td>EP</td><td></td><td></td><td>21:40</td><td>25.27</td><td></td><td></td><td>0.13</td></tr> <tr><td>WPS</td><td>HN</td><td>46.4</td><td>ES</td><td></td><td></td><td>21:40</td><td>31.26</td><td></td><td></td><td>0.06</td></tr> <tr><td>HLM1</td><td>HZ</td><td>113.0</td><td>EP</td><td></td><td></td><td>21:40</td><td>34.92</td><td></td><td></td><td>0.11</td></tr> <tr><td>HLM1</td><td>HE</td><td>113.0</td><td>ES</td><td></td><td></td><td>21:40</td><td>47.87</td><td></td><td></td><td>-0.05</td></tr> </tbody> </table> <p>February 14 2015 Time: 21:40 25.2 UTC Magnitude: 0.9 ML            Lat: 53.006N Lon: -4.361W Depth: 20.7 km            Grid Ref: 241.60 kmE 348.05 kmN RMS: 0.10 secs            Locality: LLEYN PENINSULA            Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> <th>RES</th> </tr> </thead> <tbody> <tr><td>YLL</td><td>EZ</td><td>19.7</td><td>EP</td><td></td><td></td><td>21:40</td><td>30.00</td><td></td><td></td><td>-0.05</td></tr> <tr><td>YLL</td><td>EZ</td><td>19.7</td><td>ES</td><td></td><td></td><td>21:40</td><td>33.59</td><td></td><td></td><td>0.02</td></tr> <tr><td>YRC</td><td>EZ</td><td>30.8</td><td>EP</td><td></td><td></td><td>21:40</td><td>31.29</td><td></td><td></td><td>-0.10</td></tr> <tr><td>YRC</td><td>EZ</td><td>30.8</td><td>ES</td><td></td><td></td><td>21:40</td><td>35.96</td><td></td><td></td><td>0.07</td></tr> <tr><td>WLF1</td><td>HZ</td><td>31.7</td><td>EP</td><td></td><td></td><td>21:40</td><td>31.46</td><td></td><td></td><td>-0.05</td></tr> <tr><td>WLF1</td><td>HE</td><td>31.7</td><td>ES</td><td></td><td></td><td>21:40</td><td>36.16</td><td></td><td></td><td>0.06</td></tr> <tr><td>WLF1</td><td>HE</td><td>31.7</td><td>IAML</td><td></td><td></td><td>21:40</td><td>36.40</td><td>32</td><td>0.10</td><td></td></tr> <tr><td>WLF1</td><td>HN</td><td>31.7</td><td>IAML</td><td></td><td></td><td>21:40</td><td>36.58</td><td>17</td><td>0.19</td><td></td></tr> <tr><td>WME</td><td>EZ</td><td>43.7</td><td>EP</td><td></td><td></td><td>21:40</td><td>33.03</td><td></td><td></td><td>-0.15</td></tr> <tr><td>WPS</td><td>HN</td><td>44.9</td><td>ES</td><td></td><td></td><td>21:40</td><td>39.33</td><td></td><td></td><td>0.09</td></tr> <tr><td>WPS</td><td>HN</td><td>44.9</td><td>IAML</td><td></td><td></td><td>21:40</td><td>39.93</td><td>8</td><td>0.12</td><td></td></tr> <tr><td>WPS</td><td>HE</td><td>44.9</td><td>IAML</td><td></td><td></td><td>21:40</td><td>40.43</td><td>5</td><td>0.14</td><td></td></tr> <tr><td>HLM1</td><td>HZ</td><td>114.0</td><td>EP</td><td></td><td></td><td>21:40</td><td>43.44</td><td></td><td></td><td>0.22</td></tr> <tr><td>HLM1</td><td>HE</td><td>114.0</td><td>ES</td><td></td><td></td><td>21:40</td><td>56.27</td><td></td><td></td><td>-0.09</td></tr> <tr><td>MCH1</td><td>HZ</td><td>145.0</td><td>EP</td><td></td><td></td><td>21:40</td><td>47.69</td><td></td><td></td><td>0.09</td></tr> </tbody> </table> <p>February 15 2015 Time: 20:23 27.4 UTC Magnitude: 2.1 ML            Lat: 57.403N Lon: -5.713W Depth: 7.8 km            Grid Ref: 176.97 kmE 840.80 kmN RMS: 0.20 secs            Locality: APLEECROSS,HIGHLAND            Velocity model: Lownet Xnear: 100.0 Xfar: 200.0            Comment: FELT LOCHCARRON Intensity: 2</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> <th>RES</th> </tr> </thead> <tbody> <tr><td>KPL</td><td>HZ</td><td>8.0</td><td>EP</td><td></td><td></td><td>20:23</td><td>29.62</td><td></td><td></td><td>0.08</td></tr> <tr><td>KPL</td><td>HN</td><td>8.0</td><td>ES</td><td></td><td></td><td>20:23</td><td>31.10</td><td></td><td></td><td>-0.01</td></tr> <tr><td>KPL</td><td>HE</td><td>8.0</td><td>IAML</td><td></td><td></td><td>20:23</td><td>31.27</td><td>1437</td><td>0.10</td><td></td></tr> <tr><td>KPL</td><td>HN</td><td>8.0</td><td>IAML</td><td></td><td></td><td>20:23</td><td>31.38</td><td>682</td><td>0.10</td><td></td></tr> <tr><td>KAC</td><td>EZ</td><td>27.1</td><td>EP</td><td></td><td></td><td>20:23</td><td>32.30</td><td></td><td></td><td>-0.17</td></tr> <tr><td>LEWI</td><td>HZ</td><td>107.0</td><td>EP</td><td></td><td></td><td>20:23</td><td>44.88</td><td></td><td></td><td>-0.06</td></tr> <tr><td>LEWI</td><td>HE</td><td>107.0</td><td>ES</td><td></td><td></td><td>20:23</td><td>57.75</td><td></td><td></td><td>-0.01</td></tr> <tr><td>LEWI</td><td>HE</td><td>107.0</td><td>IAML</td><td></td><td></td><td>20:24</td><td>01.59</td><td>21</td><td>0.12</td><td></td></tr> <tr><td>LEWI</td><td>HN</td><td>107.0</td><td>IAML</td><td></td><td></td><td>20:24</td><td>03.16</td><td>29</td><td>0.40</td><td></td></tr> <tr><td>LAW</td><td>HZ</td><td>129.0</td><td>EP</td><td></td><td></td><td>20:23</td><td>48.30</td><td></td><td></td><td>0.17</td></tr> </tbody> </table>	INVG HE 127.0 IAML	23:12 52.95	6 0.14		EAB EZ 128.0 EP	23:12 35.15		0.55	LEWI HZ 143.0 EP	23:12 36.73		0.09	LEWI HE 143.0 ES	23:12 53.64		0.31	LEWI HE 143.0 IAML	23:12 54.65	9 0.25		LEWI HN 143.0 IAML	23:12 55.43	8 0.22		PGB1 HN 156.0 ES	23:12 57.37		0.88	PGB1 HN 156.0 IAML	23:12 58.87	6 0.35		PGB1 HE 156.0 IAML	23:12 59.28	4 0.20		GALL HZ 247.0 EP	23:12 50.86		0.82	ESK HZ 248.0 EP	23:12 50.33		0.08	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KESW	HZ	51.3	EP			21:02	36.05			0.13	KESW	HE	51.3	ES			21:02	42.59			0.21	KESW	HN	51.3	IAML			21:02	42.80	3	0.33		KESW	HE	51.3	IAML			21:02	42.84	2	0.34		HPK	HN	83.7	ES			21:02	51.26			0.19	EDMD	HE	95.5	ES			21:02	53.85			-0.31	EDMD	HE	95.5	IAML			21:02	54.14	4	0.31		EDMD	HN	95.5	IAML			21:02	55.29	6	0.17		LBWR	HN	112.0	ES			21:02	58.60			-0.11	IOMK	HE	112.0	ES			21:02	58.41			-0.21	WLF1	HE	140.0	ES			21:03	05.71			0.08	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	YLL	EZ	21.3	EP			21:40	21.66			-0.01	YLL	EZ	21.3	ES			21:40	25.24			0.04	YRC	EZ	32.0	EP			21:40	22.97			-0.09	YRC	EZ	32.0	ES			21:40	27.66			0.05	WLF1	HZ	33.2	EP			21:40	23.19			-0.05	WLF1	HE	33.2	ES			21:40	27.86			-0.06	WLF1	HE	33.2	IAML			21:40	28.11	22	0.10		WLF1	HN	33.2	IAML			21:40	28.40	6	0.10		WME	EZ	45.4	EP			21:40	24.90			-0.11	WPS	HZ	46.4	EP			21:40	25.27			0.13	WPS	HN	46.4	ES			21:40	31.26			0.06	HLM1	HZ	113.0	EP			21:40	34.92			0.11	HLM1	HE	113.0	ES			21:40	47.87			-0.05	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	YLL	EZ	19.7	EP			21:40	30.00			-0.05	YLL	EZ	19.7	ES			21:40	33.59			0.02	YRC	EZ	30.8	EP			21:40	31.29			-0.10	YRC	EZ	30.8	ES			21:40	35.96			0.07	WLF1	HZ	31.7	EP			21:40	31.46			-0.05	WLF1	HE	31.7	ES			21:40	36.16			0.06	WLF1	HE	31.7	IAML			21:40	36.40	32	0.10		WLF1	HN	31.7	IAML			21:40	36.58	17	0.19		WME	EZ	43.7	EP			21:40	33.03			-0.15	WPS	HN	44.9	ES			21:40	39.33			0.09	WPS	HN	44.9	IAML			21:40	39.93	8	0.12		WPS	HE	44.9	IAML			21:40	40.43	5	0.14		HLM1	HZ	114.0	EP			21:40	43.44			0.22	HLM1	HE	114.0	ES			21:40	56.27			-0.09	MCH1	HZ	145.0	EP			21:40	47.69			0.09	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KPL	HZ	8.0	EP			20:23	29.62			0.08	KPL	HN	8.0	ES			20:23	31.10			-0.01	KPL	HE	8.0	IAML			20:23	31.27	1437	0.10		KPL	HN	8.0	IAML			20:23	31.38	682	0.10		KAC	EZ	27.1	EP			20:23	32.30			-0.17	LEWI	HZ	107.0	EP			20:23	44.88			-0.06	LEWI	HE	107.0	ES			20:23	57.75			-0.01	LEWI	HE	107.0	IAML			20:24	01.59	21	0.12		LEWI	HN	107.0	IAML			20:24	03.16	29	0.40		LAW	HZ	129.0	EP			20:23	48.30			0.17	<table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td>LAW</td><td>HE</td><td>129.0</td><td>ES</td><td></td><td></td><td>20:24</td><td>03.02</td><td></td><td></td><td>-0.25</td> </tr> <tr> <td>LAW</td><td>HN</td><td>129.0</td><td>IAML</td><td></td><td></td><td>20:24</td><td>04.96</td><td>130</td><td>0.15</td><td></td> </tr> <tr> <td>LAW</td><td>HE</td><td>129.0</td><td>IAML</td><td></td><td></td><td>20:24</td><td>05.89</td><td>142</td><td>0.26</td><td></td> </tr> <tr> <td>INVG</td><td>HZ</td><td>149.0</td><td>EP</td><td></td><td></td><td>20:23</td><td>51.21</td><td></td><td></td><td>0.18</td> </tr> <tr> <td>INVG</td><td>HE</td><td>149.0</td><td>ES</td><td></td><td></td><td>20:24</td><td>08.22</td><td></td><td></td><td>-0.07</td> </tr> <tr> <td>INVG</td><td>HN</td><td>149.0</td><td>IAML</td><td></td><td></td><td>20:24</td><td>09.86</td><td>21</td><td>0.17</td><td></td> </tr> <tr> <td>INVG</td><td>HE</td><td>149.0</td><td>IAML</td><td></td><td></td><td>20:24</td><td>10.06</td><td>19</td><td>0.17</td><td></td> </tr> <tr> <td>EAB</td><td>EZ</td><td>159.0</td><td>EP</td><td></td><td></td><td>20:23</td><td>52.82</td><td></td><td></td><td>0.30</td> </tr> <tr> <td>BIGH</td><td>HZ</td><td>162.0</td><td>EP</td><td></td><td></td><td>20:23</td><td>53.69</td><td></td><td></td><td>0.86</td> </tr> <tr> <td>PGB1</td><td>HZ</td><td>193.0</td><td>EP</td><td></td><td></td><td>20:23</td><td>57.24</td><td></td><td></td><td>0.44</td> </tr> <tr> <td>NEWG</td><td>HZ</td><td>271.0</td><td>EP</td><td></td><td></td><td>20:24</td><td>06.27</td><td></td><td></td><td>-0.26</td> </tr> <tr> <td>ESK</td><td>HZ</td><td>279.0</td><td>EP</td><td></td><td></td><td>20:24</td><td>07.34</td><td></td><td></td><td>-0.30</td> </tr> </table> <p>February 16 2015 Time: 21:03 50.9 UTC Magnitude: 0.6 ML            Lat: 56.709N Lon: -5.736W Depth: 7.8 km            Grid Ref: 171.36 kmE 763.70 kmN RMS: 0.20 secs            Locality: ACHARACLE,HIGHLAND            Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> <th>RES</th> </tr> </thead> <tbody> <tr><td>LAW</td><td>HZ</td><td>54.1</td><td>EP</td><td></td><td></td><td>21:04</td><td>00.36</td><td></td><td></td><td>0.17</td></tr> <tr><td>LAW</td><td>HE</td><td>54.1</td><td>ES</td><td></td><td></td><td>21:04</td><td>06.70</td><td></td><td></td><td>-0.25</td></tr> <tr><td>LAW</td><td>HE</td><td>54.1</td><td>IAML</td><td></td><td></td><td>21:04</td><td>06.85</td><td>4</td><td>0.15</td><td></td></tr> <tr><td>LAW</td><td>HN</td><td>54.1</td><td>IAML</td><td></td><td></td><td>21:04</td><td>07.26</td><td>3</td><td>0.13</td><td></td></tr> <tr><td>KPL</td><td>HZ</td><td>70.4</td><td>EP</td><td></td><td></td><td>21:04</td><td>02.87</td><td></td><td></td><td>0.18</td></tr> <tr><td>KPL</td><td>HE</td><td>70.4</td><td>ES</td><td></td><td></td><td>21:04</td><td>11.09</td><td></td><td></td><td>-0.18</td></tr> <tr><td>KPL</td><td>HE</td><td>70.4</td><td>IAML</td><td></td><td></td><td>21:04</td><td>11.30</td><td>4</td><td>0.31</td><td></td></tr> <tr><td>KPL</td><td>HN</td><td>70.4</td><td>IAML</td><td></td><td></td><td>21:04</td><td>14.38</td><td>2</td><td>0.19</td><td></td></tr> <tr><td>EAB</td><td>EZ</td><td>104.0</td><td>EP</td><td></td><td></td><td>21:04</td><td>08.04</td><td></td><td></td><td>0.10</td></tr> <tr><td>INVG</td><td>HZ</td><td>109.0</td><td>EP</td><td></td><td></td><td>21:04</td><td>08.55</td><td></td><td></td><td>-0.13</td></tr> <tr><td>INVG</td><td>HE</td><td>109.0</td><td>ES</td><td></td><td></td><td>21:04</td><td>21.74</td><td></td><td></td><td>0.11</td></tr> <tr><td>INVG</td><td>HN</td><td>109.0</td><td>IAML</td><td></td><td></td><td>21:04</td><td>21.78</td><td>1</td><td>0.22</td><td></td></tr> <tr><td>INVG</td><td>HE</td><td>109.0</td><td>IAML</td><td></td><td></td><td>21:04</td><td>22.43</td><td>8</td><td>0.38</td><td></td></tr> </tbody> </table> <p>February 17 2015 Time: 20:15 53.1 UTC Magnitude: 1.1 ML            Lat: 54.149N Lon: -2.863W Depth: 8.4 km            Grid Ref: 343.64 kmE 472.94 kmN RMS: 0.30 secs            Locality: SILVERDALE,LANCASHIRE            Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> <th>RES</th> </tr> </thead> <tbody> <tr><td>KESW</td><td>HZ</td><td>51.4</td><td>EP</td><td></td><td></td><td>20:16</td><td>02.10</td><td></td><td></td><td>0.04</td></tr> <tr><td>KESW</td><td>HE</td><td>51.4</td><td>ES</td><td></td><td></td><td>20:16</td><td>08.35</td><td></td><td></td><td>-0.23</td></tr> <tr><td>KESW</td><td>HE</td><td>51.4</td><td>IAML</td><td></td><td></td><td>20:16</td><td>09.01</td><td>6</td><td>0.19</td><td></td></tr> <tr><td>KESW</td><td>HN</td><td>51.4</td><td>IAML</td><td></td><td></td><td>20:16</td><td>09.30</td><td>6</td><td>0.18</td><td></td></tr> <tr><td>HPK</td><td>HN</td><td>83.9</td><td>ES</td><td></td><td></td><td>20:16</td><td>17.17</td><td></td><td></td><td>-0.06</td></tr> <tr><td>HPK</td><td>HE</td><td>83.9</td><td>IAML</td><td></td><td></td><td>20:16</td><td>18.29</td><td>9</td><td>0.26</td><td></td></tr> <tr><td>HPK</td><td>HN</td><td>83.9</td><td>IAML</td><td></td><td></td><td>20:16</td><td>18.50</td><td>10</td><td>0.22</td><td></td></tr> <tr><td>EDMD</td><td>HZ</td><td>95.8</td><td>EP</td><td></td><td></td><td>20:16</td><td>09.33</td><td></td><td></td><td>0.53</td></tr> <tr><td>EDMD</td><td>HE</td><td>95.8</td><td>ES</td><td></td><td></td><td>20:16</td><td>19.91</td><td></td><td></td><td>-0.33</td></tr> <tr><td>EDMD</td><td>HN</td><td>95.8</td><td>IAML</td><td></td><td></td><td>20:16</td><td>21.16</td><td>20</td><td>0.30</td><td></td></tr> <tr><td>EDMD</td><td>HE</td><td>95.8</td><td>IAML</td><td></td><td></td><td>20:16</td><td>21.67</td><td>12</td><td>0.36</td><td></td></tr> <tr><td>LBWR</td><td>HE</td><td>112.0</td><td>ES</td><td></td><td></td><td>20:16</td><td>24.21</td><td></td><td></td><td>-0.18</td></tr> <tr><td>LBWR</td><td>HE</td><td>112.0</td><td>IAML</td><td></td><td></td><td>20:16</td><td>24.67</td><td>4</td><td>0.15</td><td></td></tr> <tr><td>IOMK</td><td>HZ</td><td>112.0</td><td>EP</td><td></td><td></td><td>20:16</td><td>11.52</td><td></td><td></td><td>0.38</td></tr> <tr><td>IOMK</td><td>HN</td><td>112.0</td><td>ES</td><td></td><td></td><td>20:16</td><td>23.86</td><td></td><td></td><td>-0.42</td></tr> <tr><td>IOMK</td><td>HN</td><td>112.0</td><td>IAML</td><td></td><td></td><td>20:16</td><td>24.58</td><td>5</td><td>0.21</td><td></td></tr> <tr><td>IOMK</td><td>HE</td><td>112.0</td><td>IAML</td><td></td><td></td><td>20:16</td><td>25.20</td><td>6</td><td>0.40</td><td></td></tr> <tr><td>LBWR</td><td>HN</td><td>112.0</td><td>IAML</td><td></td><td></td><td>20:16</td><td>27.31</td><td>6</td><td>0.25</td><td></td></tr> <tr><td>ESK</td><td>HE</td><td>132.0</td><td>ES</td><td></td><td></td><td>20:16</td><td>29.64</td><td></td><td></td><td>0.40</td></tr> <tr><td>ESK</td><td>HE</td><td>132.0</td><td>IAML</td><td></td><td></td><td>20:16</td><td>29.99</td><td>2</td><td>0.30</td><td></td></tr> <tr><td>ESK</td><td>HN</td><td>132.0</td><td>IAML</td><td></td><td></td><td>20:16</td><td>31.72</td><td>1</td><td>0.29</td><td></td></tr> <tr><td>LLW</td><td>BE</td><td>154.0</td><td>ES</td><td></td><td></td><td>20:16</td><td>34.94</td><td></td><td></td><td>0.21</td></tr> </tbody> </table> <p>February 21 2015 Time: 02:51 55.8 UTC Magnitude: 0.5 ML            Lat: 56.239N Lon: -5.426W Depth: 4.9 km            Grid Ref: 187.72 kmE 710.43 kmN RMS: 0.40 secs            Locality: KILMELFORD,ARGYLL/BUTE            Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th> <th>CO</th> <th>DIST</th> <th>PHAS</th> <th>WT</th> <th>P</th> <th>HrMn</th> <th>SECS</th> <th>AMPL</th> <th>PERI</th> <th>RES</th> </tr> </thead> <tbody> <tr><td>LAW</td><td>HZ</td><td>2.9</td><td>IP</td><td></td><td>C</td><td>02:51</td><td>56.82</td><td></td><td></td><td>-0.20</td></tr> <tr><td>LAW</td><td>HN</td><td>2.9</td><td>ES</td><td></td><td></td><td>02:51</td><td>57.96</td><td></td><td></td><td>0.04</td></tr> <tr><td>LAW</td><td>HE</td><td>2.9</td><td>IAML</td><td></td><td></td><td>02:51</td><td>58.06</td><td>49</td><td>0.07</td><td></td></tr> <tr><td>LAW</td><td>HN</td><td>2.9</td><td>IAML</td><td></td><td></td><td>02:51</td><td>58.07</td><td>86</td><td>0.09</td><td></td></tr> <tr><td>EAB</td><td>EZ</td><td>67.8</td><td>EP</td><td></td><td></td><td>02:52</td><td>07.45</td><td></td><td></td><td>0.08</td></tr> <tr><td>PGB1</td><td>HZ</td><td>75.6</td><td>EP</td><td></td><td></td><td>02:52</td><td>08.95</td><td></td><td></td><td>0.38</td></tr> <tr><td>PGB1</td><td>HE</td><td>75.6</td><td>ES</td><td></td><td></td><td>02:52</td><td>17.91</td><td></td><td></td><td>0.01</td></tr> <tr><td>INVG</td><td>HZ</td><td>88.0</td><td>EP</td><td></td><td></td><td>02:52</td><td>10.67</td><td></td><td></td><td>0.17</td></tr> <tr><td>INVG</td><td>HN</td><td>88.0</td><td>ES</td><td></td><td></td><td>02:52</td><td>20.77</td><td></td><td></td><td>-0.47</td></tr> <tr><td>INVG</td><td>HN</td><td>88.0</td><td>IAML</td><td></td><td></td><td>02:52</td><td>21.42</td><td>1</td><td>0.30</td><td></td></tr> <tr><td>INVG</td><td>HE</td><td>88.0</td><td>IAML</td><td></td><td></td><td>02:52</td><td>23.92</td><td>2</td><td>0.10</td><td></td></tr> <tr><td>KPL</td><td>HZ</td><td>123.0</td><td>EP</td><td></td><td></td><td>02:52</td><td>15.56</td><td></td><td></td><td>-0.35</td></tr> <tr><td>KPL</td><td>HE</td><td>123.0</td><td>ES</td><td></td><td></td><td>02:52</td><td>31.04</td><td></td><td></td><td>0.44</td></tr> <tr><td>CLGH</td><td>HZ</td><td>136.0</td><td>EP</td><td></td><td></td><td>02:52</td><td>17.58</td><td></td><td></td><td>-0.22</td></tr> <tr><td>CLGH</td><td>HN</td><td>136.0</td><td>ES</td><td></td><td></td><td>02:52</td><td>33.23</td><td></td><td></td><td>-0.65</td></tr> <tr><td>NEWG</td><td>HZ</td><td>146.0</td><td>EP</td><td></td><td></td><td>02:52</td><td>20.23</td><td></td><td></td><td>1.01</td></tr> </tbody> </table> <p>February 21 2015 Time: 18:04 43.4 UTC Magnitude: 1.4 ML            Lat: 52.781N Lon: -1.092W Depth: 2.8 km            Grid Ref: 461.24 kmE 320.80 kmN RMS: 0.40 secs            Locality: LOUGHBOROUGH,LEICS</p>	LAW	HE	129.0	ES			20:24	03.02			-0.25	LAW	HN	129.0	IAML			20:24	04.96	130	0.15		LAW	HE	129.0	IAML			20:24	05.89	142	0.26		INVG	HZ	149.0	EP			20:23	51.21			0.18	INVG	HE	149.0	ES			20:24	08.22			-0.07	INVG	HN	149.0	IAML			20:24	09.86	21	0.17		INVG	HE	149.0	IAML			20:24	10.06	19	0.17		EAB	EZ	159.0	EP			20:23	52.82			0.30	BIGH	HZ	162.0	EP			20:23	53.69			0.86	PGB1	HZ	193.0	EP			20:23	57.24			0.44	NEWG	HZ	271.0	EP			20:24	06.27			-0.26	ESK	HZ	279.0	EP			20:24	07.34			-0.30	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	LAW	HZ	54.1	EP			21:04	00.36			0.17	LAW	HE	54.1	ES			21:04	06.70			-0.25	LAW	HE	54.1	IAML			21:04	06.85	4	0.15		LAW	HN	54.1	IAML			21:04	07.26	3	0.13		KPL	HZ	70.4	EP			21:04	02.87			0.18	KPL	HE	70.4	ES			21:04	11.09			-0.18	KPL	HE	70.4	IAML			21:04	11.30	4	0.31		KPL	HN	70.4	IAML			21:04	14.38	2	0.19		EAB	EZ	104.0	EP			21:04	08.04			0.10	INVG	HZ	109.0	EP			21:04	08.55			-0.13	INVG	HE	109.0	ES			21:04	21.74			0.11	INVG	HN	109.0	IAML			21:04	21.78	1	0.22		INVG	HE	109.0	IAML			21:04	22.43	8	0.38		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KESW	HZ	51.4	EP			20:16	02.10			0.04	KESW	HE	51.4	ES			20:16	08.35			-0.23	KESW	HE	51.4	IAML			20:16	09.01	6	0.19		KESW	HN	51.4	IAML			20:16	09.30	6	0.18		HPK	HN	83.9	ES			20:16	17.17			-0.06	HPK	HE	83.9	IAML			20:16	18.29	9	0.26		HPK	HN	83.9	IAML			20:16	18.50	10	0.22		EDMD	HZ	95.8	EP			20:16	09.33			0.53	EDMD	HE	95.8	ES			20:16	19.91			-0.33	EDMD	HN	95.8	IAML			20:16	21.16	20	0.30		EDMD	HE	95.8	IAML			20:16	21.67	12	0.36		LBWR	HE	112.0	ES			20:16	24.21			-0.18	LBWR	HE	112.0	IAML			20:16	24.67	4	0.15		IOMK	HZ	112.0	EP			20:16	11.52			0.38	IOMK	HN	112.0	ES			20:16	23.86			-0.42	IOMK	HN	112.0	IAML			20:16	24.58	5	0.21		IOMK	HE	112.0	IAML			20:16	25.20	6	0.40		LBWR	HN	112.0	IAML			20:16	27.31	6	0.25		ESK	HE	132.0	ES			20:16	29.64			0.40	ESK	HE	132.0	IAML			20:16	29.99	2	0.30		ESK	HN	132.0	IAML			20:16	31.72	1	0.29		LLW	BE	154.0	ES			20:16	34.94			0.21	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	LAW	HZ	2.9	IP		C	02:51	56.82			-0.20	LAW	HN	2.9	ES			02:51	57.96			0.04	LAW	HE	2.9	IAML			02:51	58.06	49	0.07		LAW	HN	2.9	IAML			02:51	58.07	86	0.09		EAB	EZ	67.8	EP			02:52	07.45			0.08	PGB1	HZ	75.6	EP			02:52	08.95			0.38	PGB1	HE	75.6	ES			02:52	17.91			0.01	INVG	HZ	88.0	EP			02:52	10.67			0.17	INVG	HN	88.0	ES			02:52	20.77			-0.47	INVG	HN	88.0	IAML			02:52	21.42	1	0.30		INVG	HE	88.0	IAML			02:52	23.92	2	0.10		KPL	HZ	123.0	EP			02:52	15.56			-0.35	KPL	HE	123.0	ES			02:52	31.04			0.44	CLGH	HZ	136.0	EP			02:52	17.58			-0.22	CLGH	HN	136.0	ES			02:52	33.23			-0.65	NEWG	HZ	146.0	EP			02:52	20.23			1.01
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LBWR	HN	112.0	IAML			20:16	27.31	6	0.25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
ESK	HE	132.0	ES			20:16	29.64			0.40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
ESK	HE	132.0	IAML			20:16	29.99	2	0.30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
ESK	HN	132.0	IAML			20:16	31.72	1	0.29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
LLW	BE	154.0	ES			20:16	34.94			0.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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LAW	HZ	2.9	IP		C	02:51	56.82			-0.20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
LAW	HN	2.9	ES			02:51	57.96			0.04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
LAW	HE	2.9	IAML			02:51	58.06	49	0.07																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
LAW	HN	2.9	IAML			02:51	58.07	86	0.09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
EAB	EZ	67.8	EP			02:52	07.45			0.08																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
PGB1	HZ	75.6	EP			02:52	08.95			0.38																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
PGB1	HE	75.6	ES			02:52	17.91			0.01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
INVG	HZ	88.0	EP			02:52	10.67			0.17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
INVG	HN	88.0	ES			02:52	20.77			-0.47																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
INVG	HN	88.0	IAML			02:52	21.42	1	0.30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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KPL	HZ	123.0	EP			02:52	15.56			-0.35																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
KPL	HE	123.0	ES			02:52	31.04			0.44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CLGH	HZ	136.0	EP			02:52	17.58			-0.22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CLGH	HN	136.0	ES			02:52	33.23			-0.65																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
NEWG	HZ	146.0	EP			02:52	20.23			1.01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																



# 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												
Intensity: 2										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	
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	06.98			-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, CHESHIRE										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	HE	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 IAML 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										Intensity: 3												
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES		
Comment: FELT PONTYCYMER...										LBWR	HZ	59.2	EP			21:19	49.08			0.19		
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	LBWR	HN	59.2	ES			21:19	56.38			0.12	
MCH1	HZ	57.5	EP			10:41	34.62			-0.22	LBWR	HN	59.2	IAML			21:19	57.30	6	0.19		
MCH1	HE	57.5	ES			10:41	42.07			-0.06	LBWR	HE	59.2	IAML			21:19	57.34	2	0.12		
MCH1	HE	57.5	IAML			10:41	42.27	65	0.26		FOEL	HZ	76.6	EP			21:19	51.65			0.04	
MCH1	HN	57.5	IAML			10:41	42.30	94	0.26		FOEL	HN	76.6	ES			21:20	00.70			-0.26	
HTL	HZ	94.6	EP			10:41	40.77			0.21	HPK	HZ	84.0	EP			21:19	52.82			0.12	
HTL	HN	94.6	IAML			10:41	54.27	81	0.54		HPK	HN	84.0	ES			21:20	02.47			-0.38	
HTL	HE	94.6	IAML			10:41	54.46	52	0.34		HPK	HN	84.0	IAML			21:20	03.12	7	0.25		
STRD	HZ	100.0	EP			10:41	41.59			0.14	HPK	HE	84.0	IAML			21:20	03.39	7	0.11		
HLM1	HZ	110.0	EP			10:41	43.08			0.11	LLW	BN	99.6	ES			21:20	06.96			-0.07	
HLM1	HE	110.0	ES			10:41	56.46			0.26	LLW	BN	99.6	IAML			21:20	07.99	1	0.20		
HLM1	HN	110.0	IAML			10:42	00.92	34	0.20		LLW	BE	99.6	IAML			21:20	08.13	1	0.40		
HLM1	HE	110.0	IAML			10:42	01.50	32	0.24		HLM1	HN	108.0	ES			21:20	09.48			-0.01	
LLW	BN	135.0	IAML			10:42	05.56	29	0.20		HLM1	HE	108.0	IAML			21:20	10.62	1	0.23		
LLW	BZ	135.0	IAML			10:42	05.58	16	0.15		HLM1	HN	108.0	IAML			21:20	10.93	2	0.22		
DYA	HZ	136.0	EP			10:41	46.68			-0.20	WLF1	HZ	121.0	EP			21:19	58.63			0.23	
DYA	HN	136.0	ES			10:42	03.06			0.10	WLF1	HN	121.0	ES			21:20	12.76			0.05	
DYA	HN	136.0	IAML			10:42	04.66	35	0.20		February 25 2015 Time: 22:55 07.6 UTC Magnitude: 2.9 ML											
DYA	HE	136.0	IAML			10:42	05.46	39	0.17		Lat: 49.094N Lon: -2.379W Depth: 12.9 km											
SBD	BZ	142.0	EP			10:41	47.20			-0.50	Grid Ref: 372.33 kmE -89.48 kmN											
FOEL	HZ	142.0	EP			10:41	47.36			-0.47	Locality: JERSEY, CHANNEL ISLANDS											
FOEL	HE	142.0	ES			10:42	04.38			-0.22	Velocity model: Lownet Xnear: 150.0 Xfar: 500.0											
FOEL	HN	142.0	IAML			10:42	06.86	22	0.14		Comment: FELT JERSEY/GUERNSEY											
FOEL	HE	142.0	IAML			10:42	07.13	28	0.56		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
YLL	EZ	172.0	EP			10:41	52.56			0.56	JSA	HZ	18.3	IP		9	C	22:55	10.64			-0.93
WLF1	HE	192.0	IAML			10:42	19.35	49	0.20		JSA	HE	18.3	ES			22:55	13.30			-0.21	
YRC	EZ	192.0	EP			10:41	55.24			0.80	JSA	HN	18.3	IAML			22:55	13.69	3791	0.20		
WLF1	HZ	192.0	EP			10:41	55.11			0.63	JSA	HE	18.3	IAML			22:55	14.09	2400	0.18		
WLF1	HE	192.0	ES			10:42	18.26			2.16	JVM	EZ	18.5	IP			C	22:55	11.64			0.04
WLF1	HN	192.0	IAML			10:42	19.66	31	0.28		JRS	EZ	23.6	EP			C	22:55	12.40			0.09
WPS	HZ	206.0	EP			10:41	57.55			1.35	JRS	EN	23.6	ES			C	22:55	15.80			0.07
February 25 2015 Time: 13:25 31.2 UTC Magnitude: 2.1 ML										JLP	EZ	26.4	IP			C	22:55	12.82			0.08	
Lat: 52.213N Lon: -2.498W Depth: 4.0 km										JQE	EZ	27.5	IP			C	22:55	13.01			0.13	
										ROSF	BZ	107.0	EP			C	22:55	25.12			0.13	



## 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	March 13 2015 Time: 17:30 27.4 UTC Magnitude: 1.0 ML											
LAWE	HN	103.0	ES		01:25	17.29			-0.11	Lat: 56.006N Lon: -5.010W Depth: 8.1 km											
LAWE	HE	103.0	IAML		01:25	20.45	23	0.16		Grid Ref: 212.35 kmE 683.31 kmN RMS: 0.30 secs											
LAWE	HN	103.0	IAML		01:25	20.77	33	0.16		Locality: DUNOON, ARGYLL & BUTE											
DRUM	HZ	106.0	EP		01:25	05.60			0.00	Velocity model: Lownet Xnear: 80.0 Xfar: 150.0											
ESK	HZ	110.0	EP		01:25	06.85			0.72	Comment: 7KM NW OF DUNOON											
NEWG	HZ	130.0	EP		01:25	09.38			0.12	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	
KPL	HZ	168.0	EP		01:25	15.58			0.96	LAWE	HZ	37.2	EP			17:30	34.26			0.17	
March 10 2015 Time: 17:02 08.8 UTC Magnitude: 0.8 ML										LAWE	HN	37.2	ES			17:30	38.74			-0.19	
Lat: 55.177N Lon: -4.029W Depth: 2.6 km										LAWE	HN	37.2	IAML			17:30	38.95	14	0.24		
Grid Ref: 270.80 kmE 588.85 kmN RMS: 0.50 secs										LAWE	HE	37.2	IAML			17:30	39.07	14	0.28		
Locality: MONIAIVE, D & G										EAB	EZ	46.6	EP			17:30	35.36			-0.20	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										INVG	HZ	76.1	EP			17:30	40.09			-0.06	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	INVG	HE	76.1	ES		17:30	49.61			0.19	
NEWG	HZ	14.4	EP			17:02	11.84			0.11	INVG	HE	76.1	IAML		17:30	50.35	7	0.09		
NEWG	HE	14.4	ES			17:02	13.61			-0.26	INVG	HN	76.1	IAML		17:30	50.62	10	0.34		
NEWG	HE	14.4	IAML			17:02	13.67	41	0.10		NEWG	HZ	110.0	EP		17:30	46.08			0.64	
NEWG	HN	14.4	IAML			17:02	13.71	46	0.06		NEWG	HE	110.0	ES		17:30	57.88			-0.70	
ESK	HZ	54.6	EP			17:02	17.91			-0.58	NEWG	HN	110.0	IAML		17:31	00.69	3	0.25		
ESK	HE	54.6	ES			17:02	24.71			-0.86	NEWG	HE	110.0	IAML		17:31	02.76	4	0.34		
ESK	HE	54.6	IAML			17:02	29.37	4	0.16		CLGH	HZ	124.0	EP		17:30	47.83			0.31	
ESK	HN	54.6	IAML			17:02	30.35	4	0.10		CLGH	HE	124.0	ES		17:31	02.64			0.47	
GALL	HZ	55.7	EP			17:02	18.43			-0.19	CLGH	HN	124.0	IAML		17:31	03.53	6	0.13		
GALL	HE	55.7	ES			17:02	25.10			-0.70	CLGH	HE	124.0	IAML		17:31	03.88	15	0.39		
GALL	HN	55.7	IAML			17:02	26.05	7	0.10		ESK	HN	137.0	ES		17:31	05.67			0.26	
GALL	HE	55.7	IAML			17:02	26.25	4	0.11		ESK	HN	137.0	IAML		17:31	07.41	2	0.23		
KESW	HZ	88.3	EP			17:02	24.06			0.34	ESK	HE	137.0	IAML		17:31	07.89	2	0.25		
KESW	HE	88.3	ES			17:02	35.02			0.41	March 14 2015 Time: 20:53 55.1 UTC Magnitude: 1.3 ML										
KESW	HE	88.3	IAML			17:02	36.00	2	0.13		Lat: 57.385N Lon: -5.702W Depth: 3.2 km										
KESW	HN	88.3	IAML			17:02	36.65	4	0.25		Grid Ref: 177.53 kmE 838.76 kmN RMS: 0.10 secs										
EBL	EZ	90.9	EP			17:02	24.25			0.09	Locality: PLOCKTON, HIGHLAND										
IOMK	HZ	108.0	EP			17:02	27.18			0.48	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										
IOMK	HN	108.0	ES			17:02	39.67			-0.11	Comment: 5KM NNW OF PLOCKTON										
IOMK	HN	108.0	IAML			17:02	40.93	8	0.10		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
IOMK	HE	108.0	IAML			17:02	42.34	5	0.14		KPL	HZ	5.9	IP	C		20:53	56.65			0.03
ESY	EZ	122.0	EP			17:02	29.35			0.47	KPL	HE	5.9	ES			20:53	57.69			-0.01
CLGH	HZ	133.0	EP			17:02	31.11			0.45	KPL	HE	5.9	IAML			20:53	57.75	169	0.18	
CLGH	HE	133.0	ES			17:02	47.18			0.56	KPL	HN	5.9	IAML			20:53	57.78	206	0.10	
CLGH	HE	133.0	IAML			17:02	48.39	4	0.14		KAC	EZ	27.3	EP			20:54	00.38			0.10
CLGH	HN	133.0	IAML			17:02	48.82	4	0.19		KAC	EZ	27.3	ES			20:54	03.94			-0.08
EDMD	HZ	138.0	EP			17:02	31.94			0.69	MDO	EZ	80.7	EP			20:54	08.86			-0.01
INVG	HZ	139.0	EP			17:02	32.04			0.51	LAWE	HZ	127.0	EP			20:54	15.75			-0.19
INVG	HE	139.0	ES			17:02	48.52			0.39	LAWE	HE	127.0	IAML			20:54	32.82	18	0.57	
March 13 2015 Time: 12:27 57.5 UTC Magnitude: 1.4 ML										LAWE	HN	127.0	IAML			20:54	32.82	12	0.25		
Lat: 56.789N Lon: -5.685W Depth: 8.7 km										INVG	HZ	147.0	EP			20:54	19.07			0.15	
Grid Ref: 174.96 kmE 772.42 kmN RMS: 0.10 secs										INVG	HE	147.0	ES			20:54	36.37			0.09	
Locality: ACHARACLE, HIGHLAND										INVG	HN	147.0	IAML			20:54	37.54	4	0.16		
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										INVG	HE	147.0	IAML			20:54	37.60	3	0.12		
Comment: FELT KINLOCHMOIDART Intensity: 2										March 15 2015 Time: 00:12 04.9 UTC Magnitude: 0.6 ML											
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	Lat: 57.377N Lon: -5.665W Depth: 5.3 km										
KPL	HZ	61.3	EP			12:28	07.95			0.09	Grid Ref: 179.70 kmE 837.75 kmN RMS: 0.20 secs										
KPL	HE	61.3	ES			12:28	15.32			-0.09	Locality: PLOCKTON, HIGHLAND										
KPL	HN	61.3	IAML			12:28	19.28	17	0.14		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										
KPL	HE	61.3	IAML			12:28	19.39	20	0.14		Comment: 4KM NNW OF PLOCKTON										
LAWE	HZ	61.5	EP			12:28	07.99			0.08	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAWE	HE	61.5	ES			12:28	15.43			-0.07	KPL	HZ	4.2	IP	C		00:12	06.23			-0.07
LAWE	HN	61.5	IAML			12:28	15.54	13	0.18		KPL	HN	4.2	ES			00:12	07.32			0.01
LAWE	HE	61.5	IAML			12:28	15.58	16	0.17		KPL	HN	4.2	IAML			00:12	07.36	79	0.10	
EAB	EZ	107.0	EP			12:28	14.80			-0.13	KPL	HE	4.2	IAML			00:12	07.43	46	0.26	
INVG	HZ	109.0	EP			12:28	15.37			0.14	KAC	EZ	25.9	EP			00:12	09.98			0.16
INVG	HN	109.0	IAML			12:28	30.45	19	0.14		KAC	EZ	25.9	ES			00:12	13.43			0.03
INVG	HE	109.0	IAML			12:28	30.60	22	0.10		MDO	EZ	78.6	EP			00:12	17.83			-0.33
ELO	EZ	126.0	EP			12:28	17.91			-0.01	LEWI	HZ	112.0	EP			00:12	23.16			-0.09
March 13 2015 Time: 17:03 52.7 UTC Magnitude: 1.0 ML										LEWI	HE	112.0	ES			00:12	36.64	2	0.15		
Lat: 54.985N Lon: -1.902W Depth: 2.5 km										LEWI	HN	112.0	ES			00:12	36.70			0.06	
Grid Ref: 406.27 kmE 565.61 kmN RMS: 0.20 secs										LEWI	HE	112.0	IAML			00:12	36.82	2	0.15		
Locality: PRUDHOE, NORTHUMBERLAND										LAWE	HZ	125.0	EP			00:12	25.52			0.15	
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0										LAWE	HN	125.0	ES			00:12	40.20			-0.11	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	INVG	HZ	145.0	EP			00:12	28.69			0.51
EDMD	HZ	17.6	EP			17:03	56.14			-0.02	INVG	HN	145.0	ES			00:12	45.31			0.14
EDMD	HN	17.6	ES			17:03	58.46			-0.22	INVG	HN	145.0	IAML			00:12	47.11	1	0.12	

# TABLE 2 : PHASE DATA

<p>INVG HE 145.0 IAML 00:12 47.23 1 0.23</p> <p>March 15 2015 Time: 12:06 06.1 UTC Magnitude: 0.5 ML            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</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>KPL</td><td>HZ</td><td>5.7</td><td>IP</td><td></td><td>C</td><td>12:06</td><td>07.49</td><td></td><td></td><td>-0.09</td></tr> <tr><td>KPL</td><td>HE</td><td>5.7</td><td>ES</td><td></td><td></td><td>12:06</td><td>08.52</td><td></td><td></td><td>-0.16</td></tr> <tr><td>KPL</td><td>HN</td><td>5.7</td><td>IAML</td><td></td><td></td><td>12:06</td><td>08.61</td><td>58</td><td>0.10</td><td></td></tr> <tr><td>KPL</td><td>HE</td><td>5.7</td><td>IAML</td><td></td><td></td><td>12:06</td><td>08.67</td><td>42</td><td>0.18</td><td></td></tr> <tr><td>LEWI</td><td>HZ</td><td>110.0</td><td>EP</td><td></td><td></td><td>12:06</td><td>24.36</td><td></td><td></td><td>0.17</td></tr> <tr><td>LEWI</td><td>HN</td><td>110.0</td><td>ES</td><td></td><td></td><td>12:06</td><td>37.26</td><td></td><td></td><td>-0.16</td></tr> <tr><td>LEWI</td><td>HE</td><td>110.0</td><td>IAML</td><td></td><td></td><td>12:06</td><td>37.62</td><td>2</td><td>0.36</td><td></td></tr> <tr><td>LEWI</td><td>HN</td><td>110.0</td><td>IAML</td><td></td><td></td><td>12:06</td><td>39.18</td><td>2</td><td>0.36</td><td></td></tr> <tr><td>LAWE</td><td>HZ</td><td>126.0</td><td>EP</td><td></td><td></td><td>12:06</td><td>26.71</td><td></td><td></td><td>0.08</td></tr> <tr><td>LAWE</td><td>HN</td><td>126.0</td><td>ES</td><td></td><td></td><td>12:06</td><td>41.53</td><td></td><td></td><td>-0.11</td></tr> <tr><td>INVG</td><td>HZ</td><td>147.0</td><td>EP</td><td></td><td></td><td>12:06</td><td>30.27</td><td></td><td></td><td>0.53</td></tr> <tr><td>INVG</td><td>HN</td><td>147.0</td><td>ES</td><td></td><td></td><td>12:06</td><td>47.41</td><td></td><td></td><td>0.40</td></tr> <tr><td>INVG</td><td>HN</td><td>147.0</td><td>IAML</td><td></td><td></td><td>12:06</td><td>48.37</td><td>1</td><td>0.14</td><td></td></tr> <tr><td>INVG</td><td>HE</td><td>147.0</td><td>IAML</td><td></td><td></td><td>12:06</td><td>48.40</td><td>1</td><td>0.19</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KPL	HZ	5.7	IP		C	12:06	07.49			-0.09	KPL	HE	5.7	ES			12:06	08.52			-0.16	KPL	HN	5.7	IAML			12:06	08.61	58	0.10		KPL	HE	5.7	IAML			12:06	08.67	42	0.18		LEWI	HZ	110.0	EP			12:06	24.36			0.17	LEWI	HN	110.0	ES			12:06	37.26			-0.16	LEWI	HE	110.0	IAML			12:06	37.62	2	0.36		LEWI	HN	110.0	IAML			12:06	39.18	2	0.36		LAWE	HZ	126.0	EP			12:06	26.71			0.08	LAWE	HN	126.0	ES			12:06	41.53			-0.11	INVG	HZ	147.0	EP			12:06	30.27			0.53	INVG	HN	147.0	ES			12:06	47.41			0.40	INVG	HN	147.0	IAML			12:06	48.37	1	0.14		INVG	HE	147.0	IAML			12:06	48.40	1	0.19		<p>WLF1 HN 14.2 IAML 23:43 55.22 5 0.26            YRC EZ 19.6 EP 23:43 54.20 0.03</p> <p>March 19 2015 Time: 11:12 43.5 UTC Magnitude: 0.8 ML            Lat: 56.985N Lon: -5.842W Depth: 5.8 km            Grid Ref: 166.61 kmE 794.75 kmN RMS: 0.20 secs            Locality: MALLAIG,HIGHLAND            Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>KPL</td><td>HZ</td><td>41.1</td><td>EP</td><td></td><td></td><td>11:12</td><td>50.90</td><td></td><td></td><td>0.04</td></tr> <tr><td>KPL</td><td>HE</td><td>41.1</td><td>ES</td><td></td><td></td><td>11:12</td><td>56.04</td><td></td><td></td><td>-0.21</td></tr> <tr><td>KPL</td><td>HE</td><td>41.1</td><td>IAML</td><td></td><td></td><td>11:12</td><td>56.38</td><td>4</td><td>0.17</td><td></td></tr> <tr><td>KPL</td><td>HN</td><td>41.1</td><td>IAML</td><td></td><td></td><td>11:12</td><td>56.57</td><td>4</td><td>0.22</td><td></td></tr> <tr><td>LAWE</td><td>HZ</td><td>85.2</td><td>EP</td><td></td><td></td><td>11:12</td><td>57.93</td><td></td><td></td><td>0.21</td></tr> <tr><td>LAWE</td><td>HE</td><td>85.2</td><td>ES</td><td></td><td></td><td>11:13</td><td>07.78</td><td></td><td></td><td>-0.34</td></tr> <tr><td>LAWE</td><td>HE</td><td>85.2</td><td>IAML</td><td></td><td></td><td>11:13</td><td>07.89</td><td>5</td><td>0.17</td><td></td></tr> <tr><td>LAWE</td><td>HN</td><td>85.2</td><td>IAML</td><td></td><td></td><td>11:13</td><td>08.20</td><td>5</td><td>0.14</td><td></td></tr> <tr><td>INVG</td><td>HZ</td><td>126.0</td><td>EP</td><td></td><td></td><td>11:13</td><td>04.42</td><td></td><td></td><td>0.27</td></tr> <tr><td>INVG</td><td>HN</td><td>126.0</td><td>ES</td><td></td><td></td><td>11:13</td><td>19.40</td><td></td><td></td><td>0.17</td></tr> <tr><td>LEWI</td><td>HZ</td><td>143.0</td><td>EP</td><td></td><td></td><td>11:13</td><td>06.64</td><td></td><td></td><td>0.10</td></tr> <tr><td>LEWI</td><td>HE</td><td>143.0</td><td>ES</td><td></td><td></td><td>11:13</td><td>23.53</td><td></td><td></td><td>0.15</td></tr> <tr><td>LEWI</td><td>HE</td><td>143.0</td><td>IAML</td><td></td><td></td><td>11:13</td><td>24.45</td><td>4</td><td>0.29</td><td></td></tr> <tr><td>LEWI</td><td>HN</td><td>143.0</td><td>IAML</td><td></td><td></td><td>11:13</td><td>25.33</td><td>3</td><td>0.16</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KPL	HZ	41.1	EP			11:12	50.90			0.04	KPL	HE	41.1	ES			11:12	56.04			-0.21	KPL	HE	41.1	IAML			11:12	56.38	4	0.17		KPL	HN	41.1	IAML			11:12	56.57	4	0.22		LAWE	HZ	85.2	EP			11:12	57.93			0.21	LAWE	HE	85.2	ES			11:13	07.78			-0.34	LAWE	HE	85.2	IAML			11:13	07.89	5	0.17		LAWE	HN	85.2	IAML			11:13	08.20	5	0.14		INVG	HZ	126.0	EP			11:13	04.42			0.27	INVG	HN	126.0	ES			11:13	19.40			0.17	LEWI	HZ	143.0	EP			11:13	06.64			0.10	LEWI	HE	143.0	ES			11:13	23.53			0.15	LEWI	HE	143.0	IAML			11:13	24.45	4	0.29		LEWI	HN	143.0	IAML			11:13	25.33	3	0.16																																																																																																																																																																																																																																																																																				
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<p>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</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>KPL</td><td>HZ</td><td>5.3</td><td>EP</td><td></td><td></td><td>23:16</td><td>04.31</td><td></td><td></td><td>0.07</td></tr> <tr><td>KPL</td><td>HN</td><td>5.3</td><td>ES</td><td></td><td></td><td>23:16</td><td>05.64</td><td></td><td></td><td>-0.08</td></tr> <tr><td>KPL</td><td>HE</td><td>5.3</td><td>IAML</td><td></td><td></td><td>23:16</td><td>05.96</td><td>73</td><td>0.11</td><td></td></tr> <tr><td>KPL</td><td>HN</td><td>5.3</td><td>IAML</td><td></td><td></td><td>23:16</td><td>06.00</td><td>38</td><td>0.23</td><td></td></tr> <tr><td>KAC</td><td>EZ</td><td>27.6</td><td>EP</td><td></td><td></td><td>23:16</td><td>07.53</td><td></td><td></td><td>0.14</td></tr> <tr><td>KAC</td><td>EZ</td><td>27.6</td><td>ES</td><td></td><td></td><td>23:16</td><td>10.93</td><td></td><td></td><td>-0.24</td></tr> <tr><td>LAWE</td><td>HZ</td><td>117.0</td><td>EP</td><td></td><td></td><td>23:16</td><td>21.72</td><td></td><td></td><td>0.52</td></tr> <tr><td>LAWE</td><td>HN</td><td>117.0</td><td>ES</td><td></td><td></td><td>23:16</td><td>34.30</td><td></td><td></td><td>-0.76</td></tr> <tr><td>LAWE</td><td>HE</td><td>117.0</td><td>IAML</td><td></td><td></td><td>23:16</td><td>36.25</td><td>7</td><td>0.28</td><td></td></tr> <tr><td>LAWE</td><td>HN</td><td>117.0</td><td>IAML</td><td></td><td></td><td>23:16</td><td>36.57</td><td>12</td><td>0.33</td><td></td></tr> <tr><td>LEWI</td><td>HZ</td><td>121.0</td><td>EP</td><td></td><td></td><td>23:16</td><td>21.68</td><td></td><td></td><td>-0.04</td></tr> <tr><td>LEWI</td><td>HN</td><td>121.0</td><td>IAML</td><td></td><td></td><td>23:16</td><td>36.75</td><td>3</td><td>0.22</td><td></td></tr> <tr><td>LEWI</td><td>HE</td><td>121.0</td><td>IAML</td><td></td><td></td><td>23:16</td><td>36.97</td><td>3</td><td>0.27</td><td></td></tr> <tr><td>INVG</td><td>HZ</td><td>136.0</td><td>EP</td><td></td><td></td><td>23:16</td><td>24.29</td><td></td><td></td><td>0.38</td></tr> <tr><td>INVG</td><td>HN</td><td>136.0</td><td>IAML</td><td></td><td></td><td>23:16</td><td>41.04</td><td>2</td><td>0.11</td><td></td></tr> <tr><td>INVG</td><td>HE</td><td>136.0</td><td>IAML</td><td></td><td></td><td>23:16</td><td>41.58</td><td>2</td><td>0.07</td><td></td></tr> <tr><td>EAB</td><td>EZ</td><td>146.0</td><td>EP</td><td></td><td></td><td>23:16</td><td>25.94</td><td></td><td></td><td>0.56</td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KPL	HZ	5.3	EP			23:16	04.31			0.07	KPL	HN	5.3	ES			23:16	05.64			-0.08	KPL	HE	5.3	IAML			23:16	05.96	73	0.11		KPL	HN	5.3	IAML			23:16	06.00	38	0.23		KAC	EZ	27.6	EP			23:16	07.53			0.14	KAC	EZ	27.6	ES			23:16	10.93			-0.24	LAWE	HZ	117.0	EP			23:16	21.72			0.52	LAWE	HN	117.0	ES			23:16	34.30			-0.76	LAWE	HE	117.0	IAML			23:16	36.25	7	0.28		LAWE	HN	117.0	IAML			23:16	36.57	12	0.33		LEWI	HZ	121.0	EP			23:16	21.68			-0.04	LEWI	HN	121.0	IAML			23:16	36.75	3	0.22		LEWI	HE	121.0	IAML			23:16	36.97	3	0.27		INVG	HZ	136.0	EP			23:16	24.29			0.38	INVG	HN	136.0	IAML			23:16	41.04	2	0.11		INVG	HE	136.0	IAML			23:16	41.58	2	0.07		EAB	EZ	146.0	EP			23:16	25.94			0.56	<p>March 21 2015 Time: 05:41 51.3 UTC Magnitude: 0.5 ML            Lat: 56.988N Lon: -5.803W Depth: 7.5 km            Grid Ref: 168.99 kmE 794.95 kmN RMS: 0.30 secs            Locality: MALLAIG,HIGHLAND            Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>KPL</td><td>HZ</td><td>40.1</td><td>EP</td><td></td><td></td><td>05:41</td><td>58.45</td><td></td><td></td><td>0.07</td></tr> <tr><td>KPL</td><td>HN</td><td>40.1</td><td>ES</td><td></td><td></td><td>05:42</td><td>03.40</td><td></td><td></td><td>-0.14</td></tr> <tr><td>KPL</td><td>HE</td><td>40.1</td><td>IAML</td><td></td><td></td><td>05:42</td><td>03.92</td><td>3</td><td>0.19</td><td></td></tr> <tr><td>KPL</td><td>HN</td><td>40.1</td><td>IAML</td><td></td><td></td><td>05:42</td><td>04.23</td><td>2</td><td>0.21</td><td></td></tr> <tr><td>KAC</td><td>EZ</td><td>64.5</td><td>IP</td><td></td><td>D</td><td>05:42</td><td>02.35</td><td></td><td></td><td>0.15</td></tr> <tr><td>KAC</td><td>EZ</td><td>64.5</td><td>ES</td><td></td><td></td><td>05:42</td><td>09.85</td><td></td><td></td><td>-0.29</td></tr> <tr><td>LAWE</td><td>HZ</td><td>84.8</td><td>EP</td><td></td><td></td><td>05:42</td><td>05.50</td><td></td><td></td><td>0.17</td></tr> <tr><td>LAWE</td><td>HN</td><td>84.8</td><td>ES</td><td></td><td></td><td>05:42</td><td>15.09</td><td></td><td></td><td>-0.47</td></tr> <tr><td>LAWE</td><td>HE</td><td>84.8</td><td>IAML</td><td></td><td></td><td>05:42</td><td>15.41</td><td>3</td><td>0.12</td><td></td></tr> <tr><td>LAWE</td><td>HN</td><td>84.8</td><td>IAML</td><td></td><td></td><td>05:42</td><td>15.76</td><td>3</td><td>0.11</td><td></td></tr> <tr><td>INVG</td><td>HZ</td><td>125.0</td><td>EP</td><td></td><td></td><td>05:42</td><td>12.11</td><td></td><td></td><td>0.60</td></tr> <tr><td>INVG</td><td>HN</td><td>125.0</td><td>ES</td><td></td><td></td><td>05:42</td><td>26.44</td><td></td><td></td><td>0.19</td></tr> <tr><td>INVG</td><td>HN</td><td>125.0</td><td>IAML</td><td></td><td></td><td>05:42</td><td>27.47</td><td>1</td><td>0.10</td><td></td></tr> <tr><td>INVG</td><td>HE</td><td>125.0</td><td>IAML</td><td></td><td></td><td>05:42</td><td>27.73</td><td>2</td><td>0.22</td><td></td></tr> <tr><td>LEWI</td><td>HZ</td><td>144.0</td><td>EP</td><td></td><td></td><td>05:42</td><td>14.24</td><td></td><td></td><td>0.00</td></tr> <tr><td>LEWI</td><td>HN</td><td>144.0</td><td>ES</td><td></td><td></td><td>05:42</td><td>31.17</td><td></td><td></td><td>0.19</td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KPL	HZ	40.1	EP			05:41	58.45			0.07	KPL	HN	40.1	ES			05:42	03.40			-0.14	KPL	HE	40.1	IAML			05:42	03.92	3	0.19		KPL	HN	40.1	IAML			05:42	04.23	2	0.21		KAC	EZ	64.5	IP		D	05:42	02.35			0.15	KAC	EZ	64.5	ES			05:42	09.85			-0.29	LAWE	HZ	84.8	EP			05:42	05.50			0.17	LAWE	HN	84.8	ES			05:42	15.09			-0.47	LAWE	HE	84.8	IAML			05:42	15.41	3	0.12		LAWE	HN	84.8	IAML			05:42	15.76	3	0.11		INVG	HZ	125.0	EP			05:42	12.11			0.60	INVG	HN	125.0	ES			05:42	26.44			0.19	INVG	HN	125.0	IAML			05:42	27.47	1	0.10		INVG	HE	125.0	IAML			05:42	27.73	2	0.22		LEWI	HZ	144.0	EP			05:42	14.24			0.00	LEWI	HN	144.0	ES			05:42	31.17			0.19																																																																																																																																																																																																																												
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<p>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</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>LAWE</td><td>HZ</td><td>56.6</td><td>EP</td><td></td><td></td><td>06:24</td><td>25.97</td><td></td><td></td><td>0.00</td></tr> <tr><td>LAWE</td><td>HN</td><td>56.6</td><td>ES</td><td></td><td></td><td>06:24</td><td>32.77</td><td></td><td></td><td>-0.24</td></tr> <tr><td>CLGH</td><td>HZ</td><td>91.5</td><td>EP</td><td></td><td></td><td>06:24</td><td>31.61</td><td></td><td></td><td>0.21</td></tr> <tr><td>CLGH</td><td>HE</td><td>91.5</td><td>ES</td><td></td><td></td><td>06:24</td><td>42.40</td><td></td><td></td><td>-0.01</td></tr> <tr><td>CLGH</td><td>HE</td><td>91.5</td><td>IAML</td><td></td><td></td><td>06:24</td><td>44.65</td><td>4</td><td>0.71</td><td></td></tr> <tr><td>CLGH</td><td>HN</td><td>91.5</td><td>IAML</td><td></td><td></td><td>06:24</td><td>45.25</td><td>3</td><td>0.37</td><td></td></tr> <tr><td>NEWG</td><td>HZ</td><td>97.3</td><td>EP</td><td></td><td></td><td>06:24</td><td>32.41</td><td></td><td></td><td>0.13</td></tr> <tr><td>NEWG</td><td>HN</td><td>97.3</td><td>ES</td><td></td><td></td><td>06:24</td><td>43.84</td><td></td><td></td><td>-0.08</td></tr> <tr><td>NEWG</td><td>HN</td><td>97.3</td><td>IAML</td><td></td><td></td><td>06:24</td><td>46.90</td><td>1</td><td>0.14</td><td></td></tr> <tr><td>NEWG</td><td>HE</td><td>97.3</td><td>IAML</td><td></td><td></td><td>06:24</td><td>46.90</td><td>2</td><td>0.37</td><td></td></tr> <tr><td>GALL</td><td>HZ</td><td>105.0</td><td>EP</td><td></td><td></td><td>06:24</td><td>33.48</td><td></td><td></td><td>-0.04</td></tr> <tr><td>GALL</td><td>HE</td><td>105.0</td><td>ES</td><td></td><td></td><td>06:24</td><td>45.89</td><td></td><td></td><td>-0.19</td></tr> <tr><td>GALL</td><td>HE</td><td>105.0</td><td>IAML</td><td></td><td></td><td>06:24</td><td>48.46</td><td>2</td><td>0.09</td><td></td></tr> <tr><td>GALL</td><td>HN</td><td>105.0</td><td>IAML</td><td></td><td></td><td>06:24</td><td>49.01</td><td>3</td><td>0.44</td><td></td></tr> <tr><td>INVG</td><td>HZ</td><td>107.0</td><td>EP</td><td></td><td></td><td>06:24</td><td>34.00</td><td></td><td></td><td>0.15</td></tr> <tr><td>INVG</td><td>HN</td><td>107.0</td><td>ES</td><td></td><td></td><td>06:24</td><td>46.73</td><td></td><td></td><td>0.08</td></tr> <tr><td>INVG</td><td>HN</td><td>107.0</td><td>IAML</td><td></td><td></td><td>06:24</td><td>48.97</td><td>1</td><td>0.18</td><td></td></tr> <tr><td>INVG</td><td>HE</td><td>107.0</td><td>IAML</td><td></td><td></td><td>06:24</td><td>49.45</td><td>1</td><td>0.43</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	LAWE	HZ	56.6	EP			06:24	25.97			0.00	LAWE	HN	56.6	ES			06:24	32.77			-0.24	CLGH	HZ	91.5	EP			06:24	31.61			0.21	CLGH	HE	91.5	ES			06:24	42.40			-0.01	CLGH	HE	91.5	IAML			06:24	44.65	4	0.71		CLGH	HN	91.5	IAML			06:24	45.25	3	0.37		NEWG	HZ	97.3	EP			06:24	32.41			0.13	NEWG	HN	97.3	ES			06:24	43.84			-0.08	NEWG	HN	97.3	IAML			06:24	46.90	1	0.14		NEWG	HE	97.3	IAML			06:24	46.90	2	0.37		GALL	HZ	105.0	EP			06:24	33.48			-0.04	GALL	HE	105.0	ES			06:24	45.89			-0.19	GALL	HE	105.0	IAML			06:24	48.46	2	0.09		GALL	HN	105.0	IAML			06:24	49.01	3	0.44		INVG	HZ	107.0	EP			06:24	34.00			0.15	INVG	HN	107.0	ES			06:24	46.73			0.08	INVG	HN	107.0	IAML			06:24	48.97	1	0.18		INVG	HE	107.0	IAML			06:24	49.45	1	0.43		<p>March 21 2015 Time: 11:46 23.6 UTC Magnitude: 1.9 ML            Lat: 54.265N Lon: -3.113W Depth: 10.4 km            Grid Ref: 327.52 kmE 486.07 kmN RMS: 0.30 secs            Locality: ULVERSTON,CUMBRIA            Velocity model: Lownet Xnear: 100.0 Xfar: 200.0            Comment: 7KM NNW ULVERSTON</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>KESW</td><td>HZ</td><td>36.0</td><td>EP</td><td></td><td></td><td>11:46</td><td>30.19</td><td></td><td></td><td>0.13</td></tr> <tr><td>KESW</td><td>HE</td><td>36.0</td><td>ES</td><td></td><td></td><td>11:46</td><td>34.64</td><td></td><td></td><td>-0.17</td></tr> <tr><td>KESW</td><td>HE</td><td>36.0</td><td>IAML</td><td></td><td></td><td>11:46</td><td>35.28</td><td>160</td><td>0.58</td><td></td></tr> <tr><td>KESW</td><td>HN</td><td>36.0</td><td>IAML</td><td></td><td></td><td>11:46</td><td>35.91</td><td>95</td><td>0.22</td><td></td></tr> <tr><td>IOMK</td><td>HZ</td><td>94.7</td><td>EP</td><td></td><td></td><td>11:46</td><td>39.50</td><td></td><td></td><td>0.38</td></tr> <tr><td>IOMK</td><td>HN</td><td>94.7</td><td>ES</td><td></td><td></td><td>11:46</td><td>50.22</td><td></td><td></td><td>-0.26</td></tr> <tr><td>IOMK</td><td>HE</td><td>94.7</td><td>IAML</td><td></td><td></td><td>11:46</td><td>52.08</td><td>49</td><td>0.38</td><td></td></tr> <tr><td>IOMK</td><td>HN</td><td>94.7</td><td>IAML</td><td></td><td></td><td>11:46</td><td>52.17</td><td>57</td><td>0.20</td><td></td></tr> <tr><td>EDMD</td><td>HZ</td><td>97.5</td><td>EP</td><td></td><td></td><td>11:46</td><td>39.77</td><td></td><td></td><td>0.24</td></tr> <tr><td>EDMD</td><td>HE</td><td>97.5</td><td>ES</td><td></td><td></td><td>11:46</td><td>50.88</td><td></td><td></td><td>-0.30</td></tr> <tr><td>EDMD</td><td>HE</td><td>97.5</td><td>IAML</td><td></td><td></td><td>11:46</td><td>51.81</td><td>90</td><td>0.18</td><td></td></tr> <tr><td>EDMD</td><td>HN</td><td>97.5</td><td>IAML</td><td></td><td></td><td>11:46</td><td>52.64</td><td>92</td><td>0.20</td><td></td></tr> <tr><td>WIM</td><td>EZ</td><td>103.0</td><td>EP</td><td></td><td></td><td>11:46</td><td>40.57</td><td></td><td></td><td>0.17</td></tr> <tr><td>HPK</td><td>HZ</td><td>103.0</td><td>EP</td><td></td><td></td><td>11:46</td><td>40.66</td><td></td><td></td><td>0.21</td></tr> <tr><td>HPK</td><td>HE</td><td>103.0</td><td>ES</td><td></td><td></td><td>11:46</td><td>52.48</td><td></td><td></td><td>-0.30</td></tr> <tr><td>HPK</td><td>HE</td><td>103.0</td><td>IAML</td><td></td><td></td><td>11:46</td><td>55.65</td><td>68</td><td>0.16</td><td></td></tr> <tr><td>HPK</td><td>HN</td><td>103.0</td><td>IAML</td><td></td><td></td><td>11:46</td><td>56.01</td><td>82</td><td>0.20</td><td></td></tr> <tr><td>ESK</td><td>HZ</td><td>117.0</td><td>EP</td><td></td><td></td><td>11:46</td><td>42.61</td><td></td><td></td><td>0.09</td></tr> <tr><td>ESK</td><td>HE</td><td>117.0</td><td>ES</td><td></td><td></td><td>11:46</td><td>56.34</td><td></td><td></td><td>-0.02</td></tr> <tr><td>ESK</td><td>HE</td><td>117.0</td><td>IAML</td><td></td><td></td><td>11:46</td><td>57.74</td><td>30</td><td>0.44</td><td></td></tr> <tr><td>ESK</td><td>HN</td><td>117.0</td><td>IAML</td><td></td><td></td><td>11:46</td><td>58.41</td><td>23</td><td>0.16</td><td></td></tr> <tr><td>NEWG</td><td>HZ</td><td>119.0</td><td>EP</td><td></td><td></td><td>11:46</td><td>43.00</td><td></td><td></td><td>0.23</td></tr> <tr><td>NEWG</td><td>HN</td><td>119.0</td><td>ES</td><td></td><td></td><td>11:46</td><td>56.94</td><td></td><td></td><td>0.15</td></tr> <tr><td>NEWG</td><td>HE</td><td>119.0</td><td>IAML</td><td></td><td></td><td>11:46</td><td>57.49</td><td>12</td><td>0.36</td><td></td></tr> <tr><td>NEWG</td><td>HN</td><td>119.0</td><td>IAML</td><td></td><td></td><td>11:46</td><td>59.49</td><td>9</td><td>0.40</td><td></td></tr> <tr><td>GALL</td><td>HZ</td><td>123.0</td><td>EP</td><td></td><td></td><td>11:46</td><td>43.72</td><td></td><td></td><td>0.38</td></tr> <tr><td>GALL</td><td>HN</td><td>123.0</td><td>ES</td><td></td><td></td><td>11:46</td><td>57.29</td><td></td><td></td><td>-0.49</td></tr> <tr><td>GALL</td><td>HE</td><td>123.0</td><td>IAML</td><td></td><td></td><td>11:46</td><td>58.04</td><td>10</td><td>0.30</td><td></td></tr> <tr><td>GALL</td><td>HN</td><td>123.0</td><td>IAML</td><td></td><td></td><td>11:46</td><td>59.55</td><td>14</td><td>0.17</td><td></td></tr> <tr><td>WME</td><td>EZ</td><td>124.0</td><td>EP</td><td></td><td></td><td>11:46</td><td>43.11</td><td></td><td></td><td>-0.42</td></tr> <tr><td>WPS</td><td>HZ</td><td>133.0</td><td>EP</td><td></td><td></td><td>11:46</td><td>44.06</td><td></td><td></td><td>-0.61</td></tr> <tr><td>WPS</td><td>HN</td><td>133.0</td><td>IAML</td><td></td><td></td><td>11:47</td><td>03.33</td><td>15</td><td>0.12</td><td></td></tr> <tr><td>WPS</td><td>HE</td><td>133.0</td><td>IAML</td><td></td><td></td><td>11:47</td><td>03.19</td><td>16</td><td>0.14</td><td></td></tr> <tr><td>LBWR</td><td>HE</td><td>133.0</td><td>ES</td><td></td><td></td><td>11:47</td><td>00.65</td><td></td><td></td><td>0.43</td></tr> <tr><td>LBWR</td><td>HE</td><td>133.0</td><td>IAML</td><td></td><td></td><td>11:47</td><td>01.95</td><td>44</td><td>0.28</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KESW	HZ	36.0	EP			11:46	30.19			0.13	KESW	HE	36.0	ES			11:46	34.64			-0.17	KESW	HE	36.0	IAML			11:46	35.28	160	0.58		KESW	HN	36.0	IAML			11:46	35.91	95	0.22		IOMK	HZ	94.7	EP			11:46	39.50			0.38	IOMK	HN	94.7	ES			11:46	50.22			-0.26	IOMK	HE	94.7	IAML			11:46	52.08	49	0.38		IOMK	HN	94.7	IAML			11:46	52.17	57	0.20		EDMD	HZ	97.5	EP			11:46	39.77			0.24	EDMD	HE	97.5	ES			11:46	50.88			-0.30	EDMD	HE	97.5	IAML			11:46	51.81	90	0.18		EDMD	HN	97.5	IAML			11:46	52.64	92	0.20		WIM	EZ	103.0	EP			11:46	40.57			0.17	HPK	HZ	103.0	EP			11:46	40.66			0.21	HPK	HE	103.0	ES			11:46	52.48			-0.30	HPK	HE	103.0	IAML			11:46	55.65	68	0.16		HPK	HN	103.0	IAML			11:46	56.01	82	0.20		ESK	HZ	117.0	EP			11:46	42.61			0.09	ESK	HE	117.0	ES			11:46	56.34			-0.02	ESK	HE	117.0	IAML			11:46	57.74	30	0.44		ESK	HN	117.0	IAML			11:46	58.41	23	0.16		NEWG	HZ	119.0	EP			11:46	43.00			0.23	NEWG	HN	119.0	ES			11:46	56.94			0.15	NEWG	HE	119.0	IAML			11:46	57.49	12	0.36		NEWG	HN	119.0	IAML			11:46	59.49	9	0.40		GALL	HZ	123.0	EP			11:46	43.72			0.38	GALL	HN	123.0	ES			11:46	57.29			-0.49	GALL	HE	123.0	IAML			11:46	58.04	10	0.30		GALL	HN	123.0	IAML			11:46	59.55	14	0.17		WME	EZ	124.0	EP			11:46	43.11			-0.42	WPS	HZ	133.0	EP			11:46	44.06			-0.61	WPS	HN	133.0	IAML			11:47	03.33	15	0.12		WPS	HE	133.0	IAML			11:47	03.19	16	0.14		LBWR	HE	133.0	ES			11:47	00.65			0.43	LBWR	HE	133.0	IAML			11:47	01.95	44	0.28	
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<p>March 18 2015 Time: 23:43 50.8 UTC Magnitude: 0.3 ML            Lat: 53.412N Lon: -4.456W Depth: 3.2 km            Grid Ref: 236.78 kmE 393.42 kmN RMS: 0.00 secs            Locality: CEMAES,ANGLESEY            Velocity model: LleyN Xnear: 80.0 Xfar: 200.0</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>WPS</td><td>HZ</td><td>3.1</td><td>EP</td><td></td><td></td><td>23:43</td><td>51.57</td><td></td><td></td><td>0.01</td></tr> <tr><td>WPS</td><td>HE</td><td>3.1</td><td>ES</td><td></td><td></td><td>23:43</td><td>52.09</td><td></td><td></td><td>-0.01</td></tr> <tr><td>WPS</td><td>HN</td><td>3.1</td><td>IAML</td><td></td><td></td><td>23:43</td><td>52.17</td><td>80</td><td>0.10</td><td></td></tr> <tr><td>WPS</td><td>HE</td><td>3.1</td><td>IAML</td><td></td><td></td><td>23:43</td><td>52.20</td><td>74</td><td>0.07</td><td></td></tr> <tr><td>WME</td><td>EZ</td><td>10.3</td><td>EP</td><td></td><td></td><td>23:43</td><td>52.67</td><td></td><td></td><td>0.02</td></tr> <tr><td>WLF1</td><td>HZ</td><td>14.2</td><td>EP</td><td></td><td></td><td>23:43</td><td>53.20</td><td></td><td></td><td>-0.08</td></tr> <tr><td>WLF1</td><td>HE</td><td>14.2</td><td>ES</td><td></td><td></td><td>23:43</td><td>55.03</td><td></td><td></td><td>0.03</td></tr> <tr><td>WLF1</td><td>HE</td><td>14.2</td><td>IAML</td><td></td><td></td><td>23:43</td><td>55.13</td><td>10</td><td>0.07</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	WPS	HZ	3.1	EP			23:43	51.57			0.01	WPS	HE	3.1	ES			23:43	52.09			-0.01	WPS	HN	3.1	IAML			23:43	52.17	80	0.10		WPS	HE	3.1	IAML			23:43	52.20	74	0.07		WME	EZ	10.3	EP			23:43	52.67			0.02	WLF1	HZ	14.2	EP			23:43	53.20			-0.08	WLF1	HE	14.2	ES			23:43	55.03			0.03	WLF1	HE	14.2	IAML			23:43	55.13	10	0.07																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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# TABLE 2 : PHASE DATA

<p>NEWG HN 82.9 IAML 18:31 31.71 2 0.11</p> <p>KESW HZ 89.0 EP 18:31 19.75 0.14</p> <p>EDMD HZ 91.3 EP 18:31 19.67 -0.24</p> <p>EDMD HN 91.3 ES 18:31 31.29 0.08</p> <p>EDMD HN 91.3 IAML 18:31 33.03 4 0.10</p> <p>EDMD HE 91.3 IAML 18:31 33.22 6 0.15</p> <p>GALL HZ 123.0 EP 18:31 25.02 0.22</p>	<p>WLF1 HZ 138.0 EP 18:55 54.57 -0.08</p> <p>WLF1 HN 138.0 ES 18:56 11.21 0.04</p> <p>WLF1 HN 138.0 IAML 18:56 11.66 12 0.40</p> <p>WLF1 HE 138.0 IAML 18:56 11.68 15 0.44</p>	<p>May 12 2015 Time: 06:02 21.6 UTC Magnitude: 1.3 ML</p> <p>Lat: 56.670N Lon: -4.492W Depth: 2.5 km</p> <p>Grid Ref: 247.31 kmE 755.90 kmN RMS: 0.30 secs</p> <p>Locality: LOCH RANNOCH, PERTHSHIRE</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p>																																																																																																																																																																																																																																																																																																																															
<p>May 6 2015 Time: 13:25 10.1 UTC Magnitude: 1.3 ML</p> <p>Lat: 56.559N Lon: -5.553W Depth: 5.3 km</p> <p>Grid Ref: 181.69 kmE 746.42 kmN RMS: 0.10 secs</p> <p>Locality: MORVERN, HIGHLAND</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p>	<table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>INVG</td><td>HZ</td><td>38.6</td><td>EP</td><td></td><td></td><td>06:02</td><td>28.80</td><td></td><td></td><td>0.16</td></tr> <tr><td>INVG</td><td>HN</td><td>38.6</td><td>ES</td><td></td><td></td><td>06:02</td><td>33.33</td><td></td><td></td><td>-0.46</td></tr> <tr><td>INVG</td><td>HE</td><td>38.6</td><td>IAML</td><td></td><td></td><td>06:02</td><td>33.40</td><td>15</td><td>0.14</td><td></td></tr> <tr><td>INVG</td><td>HN</td><td>38.6</td><td>IAML</td><td></td><td></td><td>06:02</td><td>33.50</td><td>15</td><td>0.28</td><td></td></tr> <tr><td>LAWE</td><td>HZ</td><td>72.2</td><td>EP</td><td></td><td></td><td>06:02</td><td>34.31</td><td></td><td></td><td>0.33</td></tr> <tr><td>LAWE</td><td>HE</td><td>72.2</td><td>IAML</td><td></td><td></td><td>06:02</td><td>46.80</td><td>26</td><td>0.28</td><td></td></tr> <tr><td>LAWE</td><td>HN</td><td>72.2</td><td>IAML</td><td></td><td></td><td>06:02</td><td>46.83</td><td>13</td><td>0.14</td><td></td></tr> <tr><td>KPL</td><td>HZ</td><td>103.0</td><td>EP</td><td></td><td></td><td>06:02</td><td>38.90</td><td></td><td></td><td>0.23</td></tr> <tr><td>KPL</td><td>HE</td><td>103.0</td><td>ES</td><td></td><td></td><td>06:02</td><td>50.78</td><td></td><td></td><td>-0.36</td></tr> <tr><td>KPL</td><td>HN</td><td>103.0</td><td>IAML</td><td></td><td></td><td>06:02</td><td>52.19</td><td>8</td><td>0.20</td><td></td></tr> <tr><td>KPL</td><td>HE</td><td>103.0</td><td>IAML</td><td></td><td></td><td>06:02</td><td>52.19</td><td>7</td><td>0.19</td><td></td></tr> <tr><td>KAC</td><td>EZ</td><td>104.0</td><td>EP</td><td></td><td></td><td>06:02</td><td>38.88</td><td></td><td></td><td>-0.11</td></tr> <tr><td>DRUM</td><td>HN</td><td>126.0</td><td>ES</td><td></td><td></td><td>06:02</td><td>57.72</td><td></td><td></td><td>0.36</td></tr> <tr><td>DRUM</td><td>HN</td><td>126.0</td><td>IAML</td><td></td><td></td><td>06:02</td><td>59.66</td><td>13</td><td>0.14</td><td></td></tr> <tr><td>DRUM</td><td>HE</td><td>126.0</td><td>IAML</td><td></td><td></td><td>06:02</td><td>59.83</td><td>10</td><td>0.12</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	INVG	HZ	38.6	EP			06:02	28.80			0.16	INVG	HN	38.6	ES			06:02	33.33			-0.46	INVG	HE	38.6	IAML			06:02	33.40	15	0.14		INVG	HN	38.6	IAML			06:02	33.50	15	0.28		LAWE	HZ	72.2	EP			06:02	34.31			0.33	LAWE	HE	72.2	IAML			06:02	46.80	26	0.28		LAWE	HN	72.2	IAML			06:02	46.83	13	0.14		KPL	HZ	103.0	EP			06:02	38.90			0.23	KPL	HE	103.0	ES			06:02	50.78			-0.36	KPL	HN	103.0	IAML			06:02	52.19	8	0.20		KPL	HE	103.0	IAML			06:02	52.19	7	0.19		KAC	EZ	104.0	EP			06:02	38.88			-0.11	DRUM	HN	126.0	ES			06:02	57.72			0.36	DRUM	HN	126.0	IAML			06:02	59.66	13	0.14		DRUM	HE	126.0	IAML			06:02	59.83	10	0.12		<table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>LAWE</td><td>HZ</td><td>34.6</td><td>IP</td><td>C</td><td></td><td>13:25</td><td>16.42</td><td></td><td></td><td>-0.07</td></tr> 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<tr><td>CLGH</td><td>HZ</td><td>168.0</td><td>EP</td><td></td><td></td><td>13:25</td><td>36.85</td><td></td><td></td><td>0.14</td></tr> <tr><td>CLGH</td><td>HE</td><td>168.0</td><td>ES</td><td></td><td></td><td>13:25</td><td>56.05</td><td></td><td></td><td>-0.08</td></tr> <tr><td>CLGH</td><td>HN</td><td>168.0</td><td>IAML</td><td></td><td></td><td>13:25</td><td>59.01</td><td>6</td><td>0.24</td><td></td></tr> <tr><td>CLGH</td><td>HE</td><td>168.0</td><td>IAML</td><td></td><td></td><td>13:25</td><td>59.37</td><td>7</td><td>0.27</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	LAWE	HZ	34.6	IP	C		13:25	16.42			-0.07	LAWE	HE	34.6	ES			13:25	21.19			0.04	LAWE	HE	34.6	IAML			13:25	21.40	43	0.18		LAWE	HN	34.6	IAML			13:25	21.54	34	0.14		INVG	HZ	94.1	EP			13:25	25.81			0.06	INVG	HE	94.1	ES			13:25	37.14			-0.03	INVG	HE	94.1	IAML			13:25	39.29	12	0.10		INVG	HN	94.1	IAML			13:25	39.32	10	0.30		CLGH	HZ	168.0	EP			13:25	36.85			0.14	CLGH	HE	168.0	ES			13:25	56.05			-0.08	CLGH	HN	168.0	IAML			13:25	59.01	6	0.24		CLGH	HE	168.0	IAML			13:25	59.37	7	0.27	
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<p>May 11 2015 Time: 02:16 49.2 UTC Magnitude: 1.4 ML</p> <p>Lat: 55.091N Lon: -3.668W Depth: 3.7 km</p> <p>Grid Ref: 293.56 kmE 578.67 kmN RMS: 0.30 secs</p> <p>Locality: DUMFRIES, D &amp; G</p> <p>Velocity model: Borders Xnear: 100.0 Xfar: 200.0</p>	<table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>NEWG</td><td>HZ</td><td>36.0</td><td>EP</td><td></td><td></td><td>02:16</td><td>55.91</td><td></td><td></td><td>0.08</td></tr> <tr><td>NEWG</td><td>HN</td><td>36.0</td><td>ES</td><td></td><td></td><td>02:17</td><td>00.19</td><td></td><td></td><td>-0.33</td></tr> <tr><td>NEWG</td><td>HN</td><td>36.0</td><td>IAML</td><td></td><td></td><td>02:17</td><td>00.47</td><td>63</td><td>0.21</td><td></td></tr> <tr><td>NEWG</td><td>HE</td><td>36.0</td><td>IAML</td><td></td><td></td><td>02:17</td><td>00.58</td><td>45</td><td>0.19</td><td></td></tr> <tr><td>KESW</td><td>HZ</td><td>66.6</td><td>EP</td><td></td><td></td><td>02:17</td><td>00.80</td><td></td><td></td><td>-0.04</td></tr> <tr><td>KESW</td><td>HN</td><td>66.6</td><td>ES</td><td></td><td></td><td>02:17</td><td>09.11</td><td></td><td></td><td>0.03</td></tr> <tr><td>KESW</td><td>HE</td><td>66.6</td><td>IAML</td><td></td><td></td><td>02:17</td><td>09.43</td><td>6</td><td>0.16</td><td></td></tr> <tr><td>KESW</td><td>HN</td><td>66.6</td><td>IAML</td><td></td><td></td><td>02:17</td><td>12.74</td><td>10</td><td>0.15</td><td></td></tr> <tr><td>GALL</td><td>HZ</td><td>71.3</td><td>EP</td><td></td><td></td><td>02:17</td><td>01.49</td><td></td><td></td><td>-0.08</td></tr> <tr><td>GALL</td><td>HN</td><td>71.3</td><td>ES</td><td></td><td></td><td>02:17</td><td>10.05</td><td></td><td></td><td>-0.29</td></tr> <tr><td>GALL</td><td>HN</td><td>71.3</td><td>IAML</td><td></td><td></td><td>02:17</td><td>11.17</td><td>15</td><td>0.23</td><td></td></tr> <tr><td>GALL</td><td>HE</td><td>71.3</td><td>IAML</td><td></td><td></td><td>02:17</td><td>14.22</td><td>12</td><td>0.13</td><td></td></tr> <tr><td>PGB1</td><td>HZ</td><td>95.4</td><td>EP</td><td></td><td></td><td>02:17</td><td>05.64</td><td></td><td></td><td>0.14</td></tr> <tr><td>PGB1</td><td>HE</td><td>95.4</td><td>ES</td><td></td><td></td><td>02:17</td><td>17.36</td><td></td><td></td><td>0.30</td></tr> <tr><td>PGB1</td><td>HE</td><td>95.4</td><td>IAML</td><td></td><td></td><td>02:17</td><td>20.11</td><td>14</td><td>0.36</td><td></td></tr> <tr><td>PGB1</td><td>HN</td><td>95.4</td><td>IAML</td><td></td><td></td><td>02:17</td><td>20.66</td><td>24</td><td>0.43</td><td></td></tr> <tr><td>EDI</td><td>HZ</td><td>97.5</td><td>EP</td><td></td><td></td><td>02:17</td><td>05.82</td><td></td><td></td><td>-0.02</td></tr> <tr><td>IOMK</td><td>HZ</td><td>109.0</td><td>EP</td><td></td><td></td><td>02:17</td><td>07.62</td><td></td><td></td><td>-0.11</td></tr> <tr><td>IOMK</td><td>HN</td><td>109.0</td><td>ES</td><td></td><td></td><td>02:17</td><td>21.39</td><td></td><td></td><td>0.53</td></tr> <tr><td>IOMK</td><td>HN</td><td>109.0</td><td>IAML</td><td></td><td></td><td>02:17</td><td>23.15</td><td>12</td><td>0.11</td><td></td></tr> <tr><td>IOMK</td><td>HE</td><td>109.0</td><td>IAML</td><td></td><td></td><td>02:17</td><td>23.26</td><td>8</td><td>0.15</td><td></td></tr> <tr><td>EDMD</td><td>HZ</td><td>113.0</td><td>EP</td><td></td><td></td><td>02:17</td><td>08.60</td><td></td><td></td><td>0.26</td></tr> <tr><td>EDMD</td><td>HN</td><td>113.0</td><td>ES</td><td></td><td></td><td>02:17</td><td>21.67</td><td></td><td></td><td>-0.24</td></tr> <tr><td>EDMD</td><td>HN</td><td>113.0</td><td>IAML</td><td></td><td></td><td>02:17</td><td>23.24</td><td>31</td><td>0.13</td><td></td></tr> <tr><td>EDMD</td><td>HE</td><td>113.0</td><td>IAML</td><td></td><td></td><td>02:17</td><td>23.47</td><td>30</td><td>0.16</td><td></td></tr> <tr><td>ESY</td><td>EZ</td><td>114.0</td><td>EP</td><td></td><td></td><td>02:17</td><td>08.09</td><td></td><td></td><td>-0.40</td></tr> <tr><td>INVG</td><td>HZ</td><td>151.0</td><td>EP</td><td></td><td></td><td>02:17</td><td>14.36</td><td></td><td></td><td>0.40</td></tr> <tr><td>LAWE</td><td>HZ</td><td>170.0</td><td>EP</td><td></td><td></td><td>02:17</td><td>16.83</td><td></td><td></td><td>0.52</td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	NEWG	HZ	36.0	EP			02:16	55.91			0.08	NEWG	HN	36.0	ES			02:17	00.19			-0.33	NEWG	HN	36.0	IAML			02:17	00.47	63	0.21		NEWG	HE	36.0	IAML			02:17	00.58	45	0.19		KESW	HZ	66.6	EP			02:17	00.80			-0.04	KESW	HN	66.6	ES			02:17	09.11			0.03	KESW	HE	66.6	IAML			02:17	09.43	6	0.16		KESW	HN	66.6	IAML			02:17	12.74	10	0.15		GALL	HZ	71.3	EP			02:17	01.49			-0.08	GALL	HN	71.3	ES			02:17	10.05			-0.29	GALL	HN	71.3	IAML			02:17	11.17	15	0.23		GALL	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	<p>May 12 2015 Time: 22:13 51.4 UTC Magnitude: 0.4 ML</p> <p>Lat: 52.999N Lon: -2.413W Depth: 7.1 km</p> <p>Grid Ref: 372.29 kmE 344.74 kmN RMS: 0.10 secs</p> <p>Locality: AUDLEM, CHESHIRE EAST</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <p>Comment: 7KM ENE AUDLEM</p>
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GALL	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																																																																																																																																																																																																																																																																																																																							
<p>May 11 2015 Time: 18:55 32.0 UTC Magnitude: 1.7 ML</p> <p>Lat: 54.154N Lon: -2.908W Depth: 1.7 km</p> <p>Grid Ref: 340.71 kmE 473.53 kmN RMS: 0.20 secs</p> <p>Locality: KENTS BANK, CUMBRIA</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p>	<table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>KESW</td><td>HZ</td><td>50.0</td><td>EP</td><td></td><td></td><td>18:55</td><td>41.23</td><td></td><td></td><td>0.06</td></tr> <tr><td>KESW</td><td>HE</td><td>50.0</td><td>ES</td><td></td><td></td><td>18:55</td><td>47.59</td><td></td><td></td><td>-0.25</td></tr> <tr><td>KESW</td><td>HN</td><td>50.0</td><td>IAML</td><td></td><td></td><td>18:55</td><td>48.35</td><td>17</td><td>0.54</td><td></td></tr> <tr><td>KESW</td><td>HE</td><td>50.0</td><td>IAML</td><td></td><td></td><td>18:55</td><td>48.86</td><td>19</td><td>0.52</td><td></td></tr> <tr><td>HPK</td><td>HE</td><td>86.9</td><td>ES</td><td></td><td></td><td>18:55</td><td>57.97</td><td></td><td></td><td>0.24</td></tr> <tr><td>HPK</td><td>HN</td><td>86.9</td><td>IAML</td><td></td><td></td><td>18:56</td><td>00.19</td><td>30</td><td>0.20</td><td></td></tr> <tr><td>HPK</td><td>HE</td><td>86.9</td><td>IAML</td><td></td><td></td><td>18:56</td><td>01.56</td><td>26</td><td>0.22</td><td></td></tr> <tr><td>EDMD</td><td>HE</td><td>97.1</td><td>ES</td><td></td><td></td><td>18:56</td><td>00.41</td><td></td><td></td><td>0.01</td></tr> <tr><td>EDMD</td><td>HE</td><td>97.1</td><td>IAML</td><td></td><td></td><td>18:56</td><td>01.67</td><td>66</td><td>0.20</td><td></td></tr> <tr><td>EDMD</td><td>HN</td><td>97.1</td><td>IAML</td><td></td><td></td><td>18:56</td><td>03.47</td><td>66</td><td>0.24</td><td></td></tr> <tr><td>LBWR</td><td>HZ</td><td>114.0</td><td>EP</td><td></td><td></td><td>18:55</td><td>51.03</td><td></td><td></td><td>-0.15</td></tr> <tr><td>LBWR</td><td>HE</td><td>114.0</td><td>ES</td><td></td><td></td><td>18:56</td><td>04.90</td><td></td><td></td><td>-0.27</td></tr> <tr><td>LBWR</td><td>HE</td><td>114.0</td><td>IAML</td><td></td><td></td><td>18:56</td><td>07.50</td><td>26</td><td>0.20</td><td></td></tr> <tr><td>LBWR</td><td>HN</td><td>114.0</td><td>IAML</td><td></td><td></td><td>18:56</td><td>08.61</td><td>26</td><td>0.26</td><td></td></tr> <tr><td>WME</td><td>EZ</td><td>125.0</td><td>EP</td><td></td><td></td><td>18:55</td><td>52.72</td><td></td><td></td><td>-0.01</td></tr> <tr><td>WPS</td><td>HZ</td><td>134.0</td><td>EP</td><td></td><td></td><td>18:55</td><td>54.27</td><td></td><td></td><td>0.09</td></tr> <tr><td>WPS</td><td>HN</td><td>134.0</td><td>ES</td><td></td><td></td><td>18:56</td><td>10.42</td><td></td><td></td><td>0.07</td></tr> <tr><td>NEWG</td><td>HZ</td><td>137.0</td><td>EP</td><td></td><td></td><td>18:55</td><td>54.86</td><td></td><td></td><td>0.26</td></tr> <tr><td>NEWG</td><td>HE</td><td>137.0</td><td>ES</td><td></td><td></td><td>18:56</td><td>11.32</td><td></td><td></td><td>0.24</td></tr> <tr><td>NEWG</td><td>HN</td><td>137.0</td><td>IAML</td><td></td><td></td><td>18:56</td><td>11.78</td><td>8</td><td>0.32</td><td></td></tr> <tr><td>NEWG</td><td>HE</td><td>137.0</td><td>IAML</td><td></td><td></td><td>18:56</td><td>11.81</td><td>10</td><td>0.40</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KESW	HZ	50.0	EP			18:55	41.23			0.06	KESW	HE	50.0	ES			18:55	47.59			-0.25	KESW	HN	50.0	IAML			18:55	48.35	17	0.54		KESW	HE	50.0	IAML			18:55	48.86	19	0.52		HPK	HE	86.9	ES			18:55	57.97			0.24	HPK	HN	86.9	IAML			18:56	00.19	30	0.20		HPK	HE	86.9	IAML			18:56	01.56	26	0.22		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	NEWG	HE	137.0	ES			18:56	11.32			0.24	NEWG	HN	137.0	IAML			18:56	11.78	8	0.32		NEWG	HE	137.0	IAML			18:56	11.81	10	0.40		<p>May 14 2015 Time: 12:38 38.3 UTC Magnitude: 1.4 ML</p> <p>Lat: 54.354N Lon: -3.111W Depth: 4.4 km</p> <p>Grid Ref: 327.80 kmE 495.97 kmN RMS: 0.10 secs</p> <p>Locality: CONISTON, CUMBRIA</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p>																																																																													
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																																																																																																																																																																																																																																																																																																																							
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<p>May 14 2015 Time: 20:35 35.2 UTC Magnitude: 1.4 ML</p> <p>Lat: 50.504N Lon: -5.280W Depth: 11.4 km</p> <p>Grid Ref: 167.45 kmE 72.34 kmN RMS: 0.30 secs</p> <p>Locality: NEWQUAY, CORNWALL</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 250.0</p> <p>Comment: 17KM NW NEWQUAY</p>	<table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>CCAL</td><td>HZ</td><td>35.5</td><td>EP</td><td></td><td></td><td>20:35</td><td>41.72</td><td></td><td></td><td>0.11</td></tr> <tr><td>CCAL</td><td>HE</td><td>35.5</td><td>ES</td><td></td><td></td><td>20:35</td><td>45.99</td><td></td><td></td><td>-0.32</td></tr> <tr><td>CCAL</td><td>HE</td><td>35.5</td><td>IAML</td><td></td><td></td><td>20:35</td><td>46.17</td><td>30</td><td>0.21</td><td></td></tr> <tr><td>CCAL</td><td>HN</td><td>35.5</td><td>IAML</td><td></td><td></td><td>20:35</td><td>50.77</td><td>22</td><td>0.08</td><td></td></tr> <tr><td>SBD</td><td>BZ</td><td>42.7</td><td>EP</td><td></td><td></td><td>20:35</td><td>43.05</td><td></td><td></td><td>0.33</td></tr> <tr><td>SBD</td><td>BE</td><td>42.7</td><td>ES</td><td></td><td></td><td>20:35</td><td>48.09</td><td></td><td></td><td>-0.14</td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	CCAL	HZ	35.5	EP			20:35	41.72			0.11	CCAL	HE	35.5	ES			20:35	45.99			-0.32	CCAL	HE	35.5	IAML			20:35	46.17	30	0.21		CCAL	HN	35.5	IAML			20:35	50.77	22	0.08		SBD	BZ	42.7	EP			20:35	43.05			0.33	SBD	BE	42.7	ES			20:35	48.09			-0.14																																																																																																																																																																																																																																																			
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SBD	BE	42.7	ES			20:35	48.09			-0.14																																																																																																																																																																																																																																																																																																																							





# TABLE 2 : PHASE DATA

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			Comment: FELT ANGLESEY...		Intensity: 3
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES			STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		
ESK HZ 34.7 IP C 20:08 27.93 0.06			CFW HZ 39.0 EP 9 01:35 55.80 -1.82		
ESK HE 34.7 ES 20:08 32.43 -0.10			CFW HN 39.0 ES 01:36 00.62 -0.37		
ESK HE 34.7 IAML 20:08 33.39 10 0.20			CFW HE 39.0 IAML 01:36 00.83 4 0.11		
ESK HN 34.7 IAML 20:08 33.41 6 0.25			CFW HN 39.0 IAML 01:36 00.89 8 0.10		
NEWG HZ 36.0 IP D 20:08 28.36 0.32			WACR HZ 92.1 EP 01:36 05.96 0.02		
NEWG HN 36.0 ES 20:08 32.59 -0.25			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 -0.26			LBWR HZ 102.0 EP 01:36 07.42 -0.14		
GALL HZ 73.9 EP 20:08 34.09 0.17			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			MCH1 HN 173.0 IAML 01:36 38.88 2 0.18		
KPL HZ 58.9 EP 06:17 40.79 0.05			MCH1 HE 173.0 IAML 01:36 41.30 2 0.10		
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		
			WME EZ 31.4 IP C 15:41 09.33 -0.03		
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			FOEL HN 81.7 ES 15:41 26.44 -0.36		
HTL HZ 78.6 EP 12:35 09.04 -0.15			FOEL HN 81.7 IAML 15:41 27.20 412 0.14		
MCH1 HZ 87.9 EP 12:35 10.50 -0.15			FOEL HE 81.7 IAML 15:41 27.52 560 0.38		
MCH1 HE 87.9 ES 12:35 21.05 -0.19			WIM EZ 117.0 EP 15:41 23.20 0.34		
MCH1 HN 87.9 IAML 12:35 21.40 3 0.32			HLM1 HZ 120.0 EP 15:41 24.06 0.72		
MCH1 HE 87.9 IAML 12:35 21.61 2 0.11			HLM1 HE 120.0 IAML 15:41 41.57 126 0.24		
DYA HZ 97.7 EP 12:35 12.55 0.37			HLM1 HN 120.0 IAML 15:41 44.83 135 0.30		
DYA HE 97.7 ES 12:35 23.61 -0.29			IOMK HZ 128.0 EP 15:41 24.79 0.19		
DYA HN 97.7 IAML 12:35 26.21 5 0.23			IOMK HE 128.0 ES 15:41 39.44 0.70		
DYA HE 97.7 IAML 12:35 26.99 6 0.22			IOMK HE 128.0 IAML 15:41 41.23 874 0.20		
SBD BZ 116.0 EP 12:35 15.41 0.33			IOMK HN 128.0 IAML 15:41 42.48 577 0.20		
SBD BE 116.0 ES 12:35 28.73 -0.18			RSBS HZ 132.0 EP 15:41 25.28 0.05		
SBD BE 116.0 IAML 12:35 30.42 3 0.17			RSBS HE 132.0 IAML 15:41 42.15 132 0.36		
SBD BN 116.0 IAML 12:35 30.65 5 0.17			RSBS HN 132.0 IAML 15:41 45.14 204 0.24		
RSBS HZ 119.0 EP 12:35 15.72 0.25			GMM EZ 163.0 EP 15:41 28.92 -0.68		
HLM1 HN 146.0 ES 12:35 36.80 0.49			MONM HZ 177.0 EP 15:41 32.18 0.87		
HLM1 HN 146.0 IAML 12:35 38.08 1 0.32			MONM HE 177.0 IAML 15:41 54.76 190 0.24		
HLM1 HE 146.0 IAML 12:35 39.20 2 0.25			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			GALL 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 -0.08			MONM HE 33.0 IAML 01:22 14.26 11 0.12		
BIGH HE 130.0 ES 15:24 47.53 -0.05			MCH1 HZ 43.5 EP 01:22 11.19 0.00		
LAWE HZ 152.0 EP 15:24 35.06 0.11			MCH1 HN 43.5 ES 01:22 17.05 0.20		
LAWE HE 152.0 ES 15:24 53.43 0.45			MCH1 HN 43.5 IAML 01:22 17.16 6 0.08		
LAWE HN 152.0 IAML 15:24 53.97 1 0.10			MCH1 HE 43.5 IAML 01:22 17.23 15 0.10		





# 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: Lleyrn			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													WLF1 HN 59.4 IAML 01:00 57.18			5 0.22						
LBWR HE 18.0 ES 16:02 51.18													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													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									
HPK HN 44.5 IAML 16:02 57.57										140 0.12			Time: 11:55 06.4 UTC			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						
HLM1 HZ 142.0 EP 16:03 05.76										0.14			Xfar: 200.0			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 HN 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 ES 11:55 27.11			-0.14						
Locality: MULL,ARGYLL & BUTE													WLF1 HN 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						
LAW E HZ 29.6 IP C 13:03 01.47										-0.29			WPS HN 78.5 IAML 11:55 29.39			54 0.24						
LAW E HN 29.6 ES 13:03 05.41										-0.37			WPS HE 78.5 IAML 11:55 32.01			38 0.18						
LAW E HE 29.6 IAML 13:03 01.60										26 0.40			HLM1 HZ 94.1 EP 11:55 22.42			0.13						
LAW E 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 HN 107.0 IAML 11:55 39.76			38 0.32						
INVG HZ 115.0 EP 13:03 15.11										-0.13			LBWR HE 107.0 IAML 11:55 40.00			45 0.19						
INVG HN 115.0 ES 13:03 29.18										0.06			WIM EZ 128.0 EP 11:55 27.27			-0.30						
INVG HE 115.0 IAML 13:03 30.94										15 0.10			HPK HZ 133.0 EP 11:55 28.31			-0.02						
INVG HN 115.0 IAML 13:03 31.38										20 0.09			HPK HN 133.0 ES 11:55 43.67			-0.45						
KPL HZ 119.0 EP 13:03 15.98										0.07			HPK HE 133.0 IAML 11:55 45.43			60 0.16						
KPL HE 119.0 IAML 13:03 33.15										17 0.22			HPK HN 133.0 IAML 11:55 46.36			85 0.14						
KPL HN 119.0 IAML 13:03 33.75										9 0.20			KESW HZ 142.0 EP 11:55 28.74			-0.92						
CLGH HZ 134.0 EP 13:03 18.02										-0.15			KESW HE 142.0 IAML 11:55 46.89			32 0.58						
CLGH HN 134.0 ES 13:03 33.90										-0.29			KESW HN 142.0 IAML 11:55 46.91			16 0.44						
CLGH HE 134.0 IAML 13:03 36.17										16 0.28			MCH1 HZ 149.0 EP 11:55 31.13			0.46						
CLGH HN 134.0 IAML 13:03 36.52										15 0.20			MCH1 HE 149.0 IAML 11:55 49.98			25 0.18						
ELO EZ 136.0 EP 13:03 18.57										0.06			MCH1 HN 149.0 IAML 11:55 50.19			34 0.14						
NEWG HZ 165.0 EP 13:03 22.95										0.26			MONM HZ 168.0 EP 11:55 33.89			0.43						
NEWG HN 165.0 IAML 13:03 44.66										9 0.22			RSBS HZ 180.0 EP 11:55 34.73			-0.16						
NEWG HE 165.0 IAML 13:03 45.90										11 0.22			RSBS HN 180.0 IAML 11:55 58.08			25 0.12						
GALL HZ 173.0 EP 13:03 24.13										0.32			RSBS HE 180.0 IAML 11:55 58.10			21 0.07						
GALL HE 173.0 IAML 13:03 45.06										4 0.14			June 27 2015									
GALL HN 173.0 IAML 13:03 48.42										4 0.44			Time: 01:34 47.5 UTC			Magnitude: 1.1 ML						
June 25 2015										Time: 11:16 25.6 UTC			Magnitude: 1.1 ML			Lat: 52.885N			Lon: -1.663W			
Lat: 52.991N										Lon: -2.779W			Depth: 2.6 km			Grid Ref: 422.67 kmE 332.04 kmN			RMS: 0.40 secs			
Grid Ref: 347.72 kmE 344.06 kmN										RMS: 0.10 secs			Locality: DERBY, DERBYSHIRE									
Locality: MALPAS, CHESHIRE													Velocity model: Lownet			Xnear: 100.0						
Velocity model: Lownet										Xnear: 500.0			Xfar: 1000.0			Comment: 12KM SW OF DERBY			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 HN 29.0 IAML 01:34 57.45			19 0.11						
FOEL HE 30.4 IAML 11:16 35.83										42 0.12			CWF HE 29.0 IAML 01:34 57.47			15 0.16						
FOEL HN 30.4 IAML 11:16 37.23										28 0.36			STNC HZ 43.1 IP D 01:34 55.21			0.13						
HLM1 HZ 53.0 EP 11:16 35.18										0.15			STNC HN 43.1 ES 01:35 00.82			0.22						
HLM1 HN 53.0 ES 11:16 41.75										-0.20			STNC HN 43.1 IAML 01:35 01.02			32 0.17						
HLM1 HE 53.0 IAML 11:16 42.09										14 0.26			STNC HE 43.1 IAML 01:35 01.43			28 0.12						
HLM1 HN 53.0 IAML 11:16 42.16										5 0.12			LBWR HZ 57.6 EP 01:34 57.67			0.31						
LLW BN 61.6 ES 11:16 44.14										-0.03			LBWR HE 57.6 ES 01:35 04.01			-0.54						
LBWR HZ 84.0 EP 11:16 39.89										0.07			LBWR HN 57.6 IAML 01:35 04.52			23 0.30						
LBWR HE 84.0 ES 11:16 50.14										-0.10			LBWR HE 57.6 IAML 01:35 04.55			18 0.16						
LBWR HN 84.0 IAML 11:16 52.62										9 0.16			HLM1 HZ 91.8 EP 01:35 02.83			0.15						
LBWR HE 84.0 IAML 11:16 52.62										8 0.10			HLM1 HE 91.8 ES 01:35 13.44			-0.31						
MCH1 HE 112.0 ES 11:16 57.72										0.14			HLM1 HE 91.8 IAML 01:35 14.54			3 0.11						
WLF1 HE 113.0 ES 11:16 58.17										0.19			HLM1 HN 91.8 IAML 01:35 17.28			4 0.15						
WPS HE 124.0 ES 11:17 00.63										-0.13			FOEL HZ 103.0 EP 01:35 04.12			-0.36						
WPS HE 124.0 IAML 11:17 01.79										6 0.15			LMK HZ 110.0 EP 01:35 06.10			0.70						
WPS HN 124.0 IAML 11:17 01.85										5 0.27			HPK HZ 119.0 EP 01:35 07.64			0.72						
June 26 2015										Time: 01:00 40.0 UTC			Magnitude: 0.7 ML			HPK HN 119.0 ES 01:35 20.50			-0.59			
Lat: 53.046N										Lon: -5.187W			Depth: 10.1 km			HPK HN 119.0 IAML 01:35 21.13			13 0.31			
													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						
Lat: 57.183N										Lon: -5.698W					Depth: 4.1 km						
Grid Ref: 176.54 kmE 816.28 kmN										RMS: 0.20 secs											
Locality: LOCH HOURN,HIGHLAND																					
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																					
Comment: 6KM SW GLENELG																					
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
KPL	HZ	17.6	IP		D	05:04	27.26			0.14	MCH1	HN	407.0	IAML			08:01	14.45	19	0.40	
KPL	HE	17.6	ES			05:04	29.49			-0.15	MCH1	HE	407.0	IAML			08:01	15.77	16	0.44	
KPL	HE	17.6	IAML			05:04	29.74	19	0.30		ESK	HZ	438.0	EP			08:00	16.51			-0.33
KPL	HN	17.6	IAML			05:04	30.40	9	0.18		EBL	EZ	456.0	EP			08:00	19.83			0.74
LAW	HN	104.0	ES			05:04	53.58			-0.01	June 30 2015										
LAW	HE	104.0	IAML			05:04	56.36	10	0.16		Time: 08:35 42.5 UTC					Magnitude: 0.6 ML					
LAW	HN	104.0	IAML			05:04	56.43	14	0.19		Lat: 54.772N					Lon: -3.297W					
LIN	VZ	111.0	EP			05:04	42.00			-0.03	Grid Ref: 316.57 kmE 542.68 kmN					Depth: 7.8 km					
IN	VZ	132.0	EP			05:04	45.37			0.20	Locality: ASPATRIA,CUMBRIA					RMS: 0.20 secs					
IN	VZ	132.0	ES			05:05	00.57			-0.29	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										
IN	VZ	132.0	IAML			05:05	01.91	1	0.07		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
IN	VZ	132.0	IAML			05:05	02.17	2	0.25		KESW	HZ	23.9	IP		D	08:35	46.89			-0.18
MCD	EN	154.0	ES			05:05	06.73			0.41	KESW	HE	23.9	ES			08:35	50.46			0.03
MCD	EN	154.0	IAML			05:05	07.35	4	0.20		KESW	HE	23.9	IAML			08:35	50.86	3	0.17	
MCD	EE	154.0	IAML			05:05	08.07	4	0.28		KESW	HN	23.9	IAML			08:35	50.89	3	0.11	
											ESK	HZ	60.9	EP			08:35	53.00			0.20
											ESK	HE	60.9	ES			08:36	00.13			-0.21
											ESK	HE	60.9	IAML			08:36	00.89	4	0.21	
											ESK	HN	60.9	IAML			08:36	02.79	4	0.08	
											NEWG	HZ	71.1	EP			08:35	54.53			0.17
											NEWG	HE	71.1	ES			08:36	03.13			0.10
											NEWG	HE	71.1	IAML			08:36	03.31	2	0.17	
											NEWG	HN	71.1	IAML			08:36	03.58	2	0.15	
											GALL	HZ	91.5	EP			08:35	57.67			0.15
											GALL	HN	91.5	ES			08:36	08.17			-0.34
											GALL	HN	91.5	IAML			08:36	09.17	4	0.19	
											GALL	HE	91.5	IAML			08:36	09.75	2	0.19	
											IOMK	HZ	100.0	EP			08:35	58.92			0.07
											IOMK	HN	100.0	ES			08:36	10.82			0.01
											IOMK	HE	100.0	IAML			08:36	10.96	5	0.50	
											IOMK	HN	100.0	IAML			08:36	11.09	6	0.28	
											July 1 2015										
											Time: 00:45 59.8 UTC					Magnitude: 0.5 ML					
											Lat: 56.652N					Lon: -5.531W					
											Grid Ref: 183.58 kmE 756.69 kmN					Depth: 7.9 km					
											Locality: STRONTIAN,HIGHLAND					RMS: 0.20 secs					
											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
LAW	HZ	42.7	EP			12:00	40.16			0.13	LAW	HZ	44.4	EP			00:46	07.75			0.24
LAW	HN	42.7	ES			12:00	45.41			-0.14	LAW	HN	44.4	ES			00:46	12.93			-0.24
LAW	HE	42.7	IAML			12:00	45.99	9	0.18		LAW	HN	44.4	IAML			00:46	13.14	3	0.13	
LAW	HN	42.7	IAML			12:00	46.09	5	0.14		LAW	HE	44.4	IAML			00:46	13.57	6	0.18	
KPL	HZ	78.5	EP			12:00	45.45			-0.06	KPL	HZ	76.9	EP			00:46	12.69			0.17
KPL	HN	78.5	IAML			12:00	58.67	3	0.28		KPL	HE	76.9	ES			00:46	21.64			-0.20
KPL	HE	78.5	IAML			12:00	58.77	2	0.15		KPL	HN	76.9	IAML			00:46	26.13	2	0.22	
IN	VZ	92.1	EP			12:00	47.86			0.18	KPL	HE	76.9	IAML			00:46	26.36	2	0.19	
IN	VZ	92.1	ES			12:00	58.68			-0.10	IN	VZ	94.8	EP			00:46	15.40			0.04
LIN	VE	169.0	ES			12:01	17.17			-0.16	IN	VZ	94.8	ES			00:46	26.74			-0.01
											IN	VZ	94.8	IAML			00:46	29.27	3	0.12	
											IN	VZ	94.8	IAML			00:46	29.49	4	0.22	
											LIN	HZ	168.0	EP			00:46	26.03			0.01
											July 1 2015										
											Time: 11:27 29.1 UTC					Magnitude: 0.8 ML					
											Lat: 57.398N					Lon: -5.832W					
											Grid Ref: 169.80 kmE 840.64 kmN					Depth: 9.4 km					
											Locality: APPLECROSS,HIGHLAND					RMS: 0.30 secs					
											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
KPL	HZ	12.6	IP		C	11:27	32.13			0.13	KPL	HZ	12.6	ES			11:27	34.08			-0.04
LIN	VZ	12.6	EP			11:27	43.90			-0.25	LIN	VZ	91.6	EP			11:27	43.90			-0.25
LEW	HE	104.0	EP			11:27	46.25			0.20	LEW	HE	104.0	EP			11:27	46.25			0.20
LEW	HE	104.0	ES			11:27	58.31			-0.12	LEW	HE	104.0	ES			11:27	58.31			-0.12
LEW	HN	104.0	IAML			11:27	58.80	1	0.21		LEW	HN	104.0	IAML			11:27	58.80	1	0.21	
LEW	HE	104.0	IAML			11:27	58.84	2	0.21		LAW	HN	129.0	EP			11:27	50.19			0.34
LAW	HN	129.0	EP			11:27	50.19			0.34	LAW	HE	129.0	ES			11:28	04.58			-0.42
LAW	HE	129.0	ES			11:28	04.58			-0.42	BIGH	HZ	167.0	EP			11:27	55.98			0.87
BIGH	HZ	167.0	EP			11:27	55.98			0.87	BIGH	HE	167.0	ES			11:28	14.45			0.36
BIGH	HE	167.0	ES			11:28	14.45			0.36	BIGH	HE	167.0	IAML			11:28	15.81	2	0.15	
BIGH	HE	167.0	IAML			11:28	15.81	2	0.15		BIGH	HN	167.0	IAML			11:28	16.30	3	0.21	
BIGH	HN	167.0	IAML			11:28	16.30	3	0.21		July 6 2015										
											Time: 10:33 23.9 UTC					Magnitude: 2.5 ML					
											Lat: 56.957N					Lon: 7.197W					
											Grid Ref: 958.31 kmE 822.75 kmN					Depth: 29.6 km					
											Locality: EASTERN NORTH SEA					RMS: 0.20 secs					
											Velocity model: North Sea Xnear: 750.0 Xfar: 1500.0										
											Comment: 560KM EAST ABERDEEN										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
BER	HE	397.0	ES			10:34	53.96			-0.11	BER	HE	397.0	IAML			10:34	55.05	4	0.16	
BER	HE	397.0	IAML			10:34	55.05	4	0.16		BER	HN	397.0	IAML			10:34	55.39	4	0.24	
BER	HN	397.0	IAML			10:34	55.39	4	0.24		DRUM	HZ	589.0	EP			10:34	40.10			0.17
DRUM	HZ	589.0	EP			10:34	40.10			0.17											



# TABLE 2 : PHASE DATA

<p>JLP EZ 19.1 IP C 03:49 28.74 0.13</p> <p>JRS EZ 19.3 IP D 03:49 28.60 -0.03</p> <p>JRS EE 19.3 ES 03:49 31.45 0.07</p> <p>JRS EN 19.3 IAML 03:49 31.52 99 0.14</p> <p>JRS EE 19.3 IAML 03:49 31.64 51 0.08</p> <p>JSA HZ 25.0 IP C 03:49 29.45 -0.13</p> <p>JSA HN 25.0 ES 03:49 32.97 -0.06</p> <p>JSA HN 25.0 IAML 03:49 33.13 56 0.18</p> <p>JSA HE 25.0 IAML 03:49 33.37 38 0.07</p> <p>JVM EZ 26.8 IP C 03:49 29.80 -0.10</p> <p>ROSF BZ 146.0 EP 03:49 48.44 0.02</p> <p>ROSF BE 146.0 IAML 03:50 07.33 8 0.20</p> <p>ROSF BN 146.0 IAML 03:50 07.95 8 0.24</p>	<p>YRC EZ 31.7 EP 04:52 50.40 0.03</p> <p>WPS HZ 33.1 EP 04:52 50.65 0.07</p> <p>WPS HE 33.1 ES 04:52 54.88 0.11</p> <p>WPS HE 33.1 IAML 04:52 55.12 9 0.20</p> <p>WPS HN 33.1 IAML 04:52 55.30 8 0.16</p> <p>FOEL HZ 70.9 EP 04:52 56.18 -0.11</p> <p>FOEL HE 70.9 ES 04:53 04.42 0.07</p> <p>FOEL HE 70.9 IAML 04:53 05.71 2 0.24</p> <p>FOEL HN 70.9 IAML 04:53 05.71 2 0.26</p> <p>HLM1 HZ 113.0 EP 04:53 02.65 -0.17</p> <p>HLM1 HN 113.0 ES 04:53 15.51 0.19</p> <p>HLM1 HE 113.0 IAML 04:53 16.40 2 0.22</p> <p>HLM1 HN 113.0 IAML 04:53 16.41 2 0.25</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
<p>July 17 2015 Time: 09:58 56.1 UTC Magnitude: 1.6 ML</p> <p>Lat: 54.701N Lon: -3.045W Depth: 5.3 km</p> <p>Grid Ref: 332.66 kmE 534.51 kmN RMS: 0.20 secs</p> <p>Locality: CALDBECK,CUMBRIA</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <p>Comment: 5KM SOUTH CALDBECK</p>	<p>July 20 2015 Time: 22:36 30.2 UTC Magnitude: 1.3 ML</p> <p>Lat: 56.664N Lon: -5.211W Depth: 10.8 km</p> <p>Grid Ref: 203.24 kmE 757.06 kmN RMS: 0.20 secs</p> <p>Locality: BALLACHULISH,HIGHLAND</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <p>Comment: FELT BALLACHULISH Intensity: 2</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>KESW</td><td>HZ</td><td>13.1</td><td>IP</td><td></td><td>C</td><td>09:58</td><td>58.88</td><td></td><td></td><td>0.00</td></tr> <tr><td>KESW</td><td>HE</td><td>13.1</td><td>ES</td><td></td><td></td><td>09:59</td><td>00.89</td><td></td><td></td><td>-0.03</td></tr> <tr><td>KESW</td><td>HE</td><td>13.1</td><td>IAML</td><td></td><td></td><td>09:59</td><td>00.98</td><td>82</td><td>0.12</td><td></td></tr> <tr><td>KESW</td><td>HN</td><td>13.1</td><td>IAML</td><td></td><td></td><td>09:59</td><td>01.03</td><td>42</td><td>0.16</td><td></td></tr> <tr><td>ESK</td><td>HZ</td><td>69.3</td><td>EP</td><td></td><td></td><td>09:59</td><td>08.08</td><td></td><td></td><td>0.20</td></tr> <tr><td>ESK</td><td>HE</td><td>69.3</td><td>ES</td><td></td><td></td><td>09:59</td><td>16.48</td><td></td><td></td><td>-0.01</td></tr> <tr><td>ESK</td><td>HE</td><td>69.3</td><td>IAML</td><td></td><td></td><td>09:59</td><td>17.50</td><td>11</td><td>0.10</td><td></td></tr> <tr><td>ESK</td><td>HN</td><td>69.3</td><td>IAML</td><td></td><td></td><td>09:59</td><td>19.85</td><td>12</td><td>0.11</td><td></td></tr> <tr><td>EDMD</td><td>HZ</td><td>71.2</td><td>EP</td><td></td><td></td><td>09:59</td><td>07.96</td><td></td><td></td><td>-0.17</td></tr> <tr><td>EDMD</td><td>HN</td><td>71.2</td><td>ES</td><td></td><td></td><td>09:59</td><td>16.66</td><td></td><td></td><td>-0.25</td></tr> <tr><td>EDMD</td><td>HN</td><td>71.2</td><td>IAML</td><td></td><td></td><td>09:59</td><td>17.06</td><td>66</td><td>0.14</td><td></td></tr> <tr><td>EDMD</td><td>HE</td><td>71.2</td><td>IAML</td><td></td><td></td><td>09:59</td><td>19.68</td><td>39</td><td>0.17</td><td></td></tr> <tr><td>GALL</td><td>HZ</td><td>109.0</td><td>EP</td><td></td><td></td><td>09:59</td><td>14.30</td><td></td><td></td><td>0.32</td></tr> <tr><td>GALL</td><td>HN</td><td>109.0</td><td>ES</td><td></td><td></td><td>09:59</td><td>26.95</td><td></td><td></td><td>-0.08</td></tr> <tr><td>GALL</td><td>HN</td><td>109.0</td><td>IAML</td><td></td><td></td><td>09:59</td><td>27.99</td><td>13</td><td>0.13</td><td></td></tr> <tr><td>GALL</td><td>HE</td><td>109.0</td><td>IAML</td><td></td><td></td><td>09:59</td><td>28.47</td><td>6</td><td>0.21</td><td></td></tr> <tr><td>IOMK</td><td>HZ</td><td>110.0</td><td>EP</td><td></td><td></td><td>09:59</td><td>14.25</td><td></td><td></td><td>0.05</td></tr> <tr><td>IOMK</td><td>HN</td><td>110.0</td><td>ES</td><td></td><td></td><td>09:59</td><td>27.23</td><td></td><td></td><td>-0.18</td></tr> <tr><td>IOMK</td><td>HN</td><td>110.0</td><td>IAML</td><td></td><td></td><td>09:59</td><td>28.30</td><td>44</td><td>0.10</td><td></td></tr> <tr><td>IOMK</td><td>HE</td><td>110.0</td><td>IAML</td><td></td><td></td><td>09:59</td><td>29.94</td><td>20</td><td>0.10</td><td></td></tr> <tr><td>WIM</td><td>EZ</td><td>122.0</td><td>EP</td><td></td><td></td><td>09:59</td><td>15.90</td><td></td><td></td><td>-0.23</td></tr> <tr><td>HPK</td><td>HE</td><td>124.0</td><td>ES</td><td></td><td></td><td>09:59</td><td>31.55</td><td></td><td></td><td>0.39</td></tr> <tr><td>HPK</td><td>HE</td><td>124.0</td><td>IAML</td><td></td><td></td><td>09:59</td><td>33.31</td><td>45</td><td>0.18</td><td></td></tr> <tr><td>HPK</td><td>HN</td><td>124.0</td><td>IAML</td><td></td><td></td><td>09:59</td><td>33.61</td><td>40</td><td>0.20</td><td></td></tr> <tr><td>GDLE</td><td>HE</td><td>148.0</td><td>ES</td><td></td><td></td><td>09:59</td><td>37.37</td><td></td><td></td><td>0.33</td></tr> <tr><td>GDLE</td><td>HN</td><td>148.0</td><td>IAML</td><td></td><td></td><td>09:59</td><td>38.42</td><td>31</td><td>0.32</td><td></td></tr> <tr><td>GDLE</td><td>HE</td><td>148.0</td><td>IAML</td><td></td><td></td><td>09:59</td><td>40.61</td><td>13</td><td>0.18</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KESW	HZ	13.1	IP		C	09:58	58.88			0.00	KESW	HE	13.1	ES			09:59	00.89			-0.03	KESW	HE	13.1	IAML			09:59	00.98	82	0.12		KESW	HN	13.1	IAML			09:59	01.03	42	0.16		ESK	HZ	69.3	EP			09:59	08.08			0.20	ESK	HE	69.3	ES			09:59	16.48			-0.01	ESK	HE	69.3	IAML			09:59	17.50	11	0.10		ESK	HN	69.3	IAML			09:59	19.85	12	0.11		EDMD	HZ	71.2	EP			09:59	07.96			-0.17	EDMD	HN	71.2	ES			09:59	16.66			-0.25	EDMD	HN	71.2	IAML			09:59	17.06	66	0.14		EDMD	HE	71.2	IAML			09:59	19.68	39	0.17		GALL	HZ	109.0	EP			09:59	14.30			0.32	GALL	HN	109.0	ES			09:59	26.95			-0.08	GALL	HN	109.0	IAML			09:59	27.99	13	0.13		GALL	HE	109.0	IAML			09:59	28.47	6	0.21		IOMK	HZ	110.0	EP			09:59	14.25			0.05	IOMK	HN	110.0	ES			09:59	27.23			-0.18	IOMK	HN	110.0	IAML			09:59	28.30	44	0.10		IOMK	HE	110.0	IAML			09:59	29.94	20	0.10		WIM	EZ	122.0	EP			09:59	15.90			-0.23	HPK	HE	124.0	ES			09:59	31.55			0.39	HPK	HE	124.0	IAML			09:59	33.31	45	0.18		HPK	HN	124.0	IAML			09:59	33.61	40	0.20		GDLE	HE	148.0	ES			09:59	37.37			0.33	GDLE	HN	148.0	IAML			09:59	38.42	31	0.32		GDLE	HE	148.0	IAML			09:59	40.61	13	0.18		<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>LAWE</td><td>HZ</td><td>46.4</td><td>IP</td><td></td><td>D</td><td>22:36</td><td>38.12</td><td></td><td></td><td>-0.15</td></tr> <tr><td>LAWE</td><td>HN</td><td>46.4</td><td>ES</td><td></td><td></td><td>22:36</td><td>44.01</td><td></td><td></td><td>-0.17</td></tr> <tr><td>LAWE</td><td>HN</td><td>46.4</td><td>IAML</td><td></td><td></td><td>22:36</td><td>45.24</td><td>14</td><td>0.09</td><td></td></tr> <tr><td>LAWE</td><td>HE</td><td>46.4</td><td>IAML</td><td></td><td></td><td>22:36</td><td>45.47</td><td>18</td><td>0.20</td><td></td></tr> <tr><td>INVG</td><td>HZ</td><td>76.5</td><td>EP</td><td></td><td></td><td>22:36</td><td>42.92</td><td></td><td></td><td>-0.03</td></tr> <tr><td>INVG</td><td>HE</td><td>76.5</td><td>ES</td><td></td><td></td><td>22:36</td><td>52.02</td><td></td><td></td><td>-0.25</td></tr> <tr><td>INVG</td><td>HN</td><td>76.5</td><td>IAML</td><td></td><td></td><td>22:36</td><td>55.17</td><td>14</td><td>0.25</td><td></td></tr> <tr><td>INVG</td><td>HE</td><td>76.5</td><td>IAML</td><td></td><td></td><td>22:36</td><td>55.85</td><td>11</td><td>0.09</td><td></td></tr> <tr><td>KPL</td><td>HZ</td><td>79.8</td><td>EP</td><td></td><td></td><td>22:36</td><td>43.67</td><td></td><td></td><td>0.26</td></tr> <tr><td>KPL</td><td>HE</td><td>79.8</td><td>ES</td><td></td><td></td><td>22:36</td><td>52.83</td><td></td><td></td><td>-0.24</td></tr> <tr><td>KPL</td><td>HE</td><td>79.8</td><td>IAML</td><td></td><td></td><td>22:36</td><td>56.50</td><td>20</td><td>0.14</td><td></td></tr> <tr><td>KPL</td><td>HN</td><td>79.8</td><td>IAML</td><td></td><td></td><td>22:36</td><td>56.63</td><td>15</td><td>0.16</td><td></td></tr> <tr><td>KAC</td><td>EZ</td><td>93.1</td><td>EP</td><td></td><td></td><td>22:36</td><td>45.78</td><td></td><td></td><td>0.27</td></tr> <tr><td>MDO</td><td>EZ</td><td>101.0</td><td>EP</td><td></td><td></td><td>22:36</td><td>46.69</td><td></td><td></td><td>-0.03</td></tr> <tr><td>PGB1</td><td>HE</td><td>105.0</td><td>ES</td><td></td><td></td><td>22:37</td><td>00.35</td><td></td><td></td><td>0.45</td></tr> <tr><td>PGB1</td><td>HN</td><td>105.0</td><td>IAML</td><td></td><td></td><td>22:37</td><td>01.25</td><td>7</td><td>0.16</td><td></td></tr> <tr><td>PGB1</td><td>HE</td><td>105.0</td><td>IAML</td><td></td><td></td><td>22:37</td><td>01.72</td><td>7</td><td>0.41</td><td></td></tr> <tr><td>LINV</td><td>HZ</td><td>165.0</td><td>EP</td><td></td><td></td><td>22:36</td><td>55.44</td><td></td><td></td><td>-0.41</td></tr> <tr><td>LINV</td><td>HE</td><td>165.0</td><td>IAML</td><td></td><td></td><td>22:37</td><td>16.45</td><td>8</td><td>0.30</td><td></td></tr> <tr><td>LINV</td><td>HN</td><td>165.0</td><td>IAML</td><td></td><td></td><td>22:37</td><td>18.27</td><td>3</td><td>0.39</td><td></td></tr> <tr><td>LEWI</td><td>HZ</td><td>193.0</td><td>EP</td><td></td><td></td><td>22:36</td><td>59.27</td><td></td><td></td><td>-0.06</td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	LAWE	HZ	46.4	IP		D	22:36	38.12			-0.15	LAWE	HN	46.4	ES			22:36	44.01			-0.17	LAWE	HN	46.4	IAML			22:36	45.24	14	0.09		LAWE	HE	46.4	IAML			22:36	45.47	18	0.20		INVG	HZ	76.5	EP			22:36	42.92			-0.03	INVG	HE	76.5	ES			22:36	52.02			-0.25	INVG	HN	76.5	IAML			22:36	55.17	14	0.25		INVG	HE	76.5	IAML			22:36	55.85	11	0.09		KPL	HZ	79.8	EP			22:36	43.67			0.26	KPL	HE	79.8	ES			22:36	52.83			-0.24	KPL	HE	79.8	IAML			22:36	56.50	20	0.14		KPL	HN	79.8	IAML			22:36	56.63	15	0.16		KAC	EZ	93.1	EP			22:36	45.78			0.27	MDO	EZ	101.0	EP			22:36	46.69			-0.03	PGB1	HE	105.0	ES			22:37	00.35			0.45	PGB1	HN	105.0	IAML			22:37	01.25	7	0.16		PGB1	HE	105.0	IAML			22:37	01.72	7	0.41		LINV	HZ	165.0	EP			22:36	55.44			-0.41	LINV	HE	165.0	IAML			22:37	16.45	8	0.30		LINV	HN	165.0	IAML			22:37	18.27	3	0.39		LEWI	HZ	193.0	EP			22:36	59.27			-0.06
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
KESW	HZ	13.1	IP		C	09:58	58.88			0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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KESW	HE	13.1	IAML			09:59	00.98	82	0.12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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KPL	HZ	79.8	EP			22:36	43.67			0.26																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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LEWI	HZ	193.0	EP			22:36	59.27			-0.06																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
<p>July 17 2015 Time: 22:57 30.4 UTC Magnitude: 1.0 ML</p> <p>Lat: 54.452N Lon: -2.959W Depth: 6.8 km</p> <p>Grid Ref: 337.83 kmE 506.73 kmN RMS: 0.30 secs</p> <p>Locality: AMBLESIDE,CUMBRIA</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p>	<p>July 22 2015 Time: 19:12 22.0 UTC Magnitude: 1.9 ML</p> <p>Lat: 50.059N Lon: -0.514W Depth: 5.5 km</p> <p>Grid Ref: 506.35 kmE 18.78 kmN RMS: 0.30 secs</p> <p>Locality: ENGLISH CHANNEL</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <p>Comment: 90KM SSW OF BRIGHTON</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>KESW</td><td>HZ</td><td>17.9</td><td>IP</td><td></td><td>D</td><td>22:57</td><td>33.94</td><td></td><td></td><td>-0.15</td></tr> <tr><td>KESW</td><td>HE</td><td>17.9</td><td>ES</td><td></td><td></td><td>22:57</td><td>36.61</td><td></td><td></td><td>-0.14</td></tr> <tr><td>KESW</td><td>HE</td><td>17.9</td><td>IAML</td><td></td><td></td><td>22:57</td><td>36.86</td><td>46</td><td>0.14</td><td></td></tr> <tr><td>KESW</td><td>HN</td><td>17.9</td><td>IAML</td><td></td><td></td><td>22:57</td><td>36.96</td><td>41</td><td>0.24</td><td></td></tr> <tr><td>EDMD</td><td>HZ</td><td>76.9</td><td>EP</td><td></td><td></td><td>22:57</td><td>43.23</td><td></td><td></td><td>-0.03</td></tr> <tr><td>EDMD</td><td>HN</td><td>76.9</td><td>ES</td><td></td><td></td><td>22:57</td><td>52.15</td><td></td><td></td><td>-0.46</td></tr> <tr><td>EDMD</td><td>HN</td><td>76.9</td><td>IAML</td><td></td><td></td><td>22:57</td><td>52.89</td><td>6</td><td>0.14</td><td></td></tr> <tr><td>EDMD</td><td>HE</td><td>76.9</td><td>IAML</td><td></td><td></td><td>22:57</td><td>53.73</td><td>6</td><td>0.15</td><td></td></tr> <tr><td>ESK</td><td>HZ</td><td>97.5</td><td>EP</td><td></td><td></td><td>22:57</td><td>46.98</td><td></td><td></td><td>0.48</td></tr> <tr><td>ESK</td><td>HE</td><td>97.5</td><td>ES</td><td></td><td></td><td>22:57</td><td>58.25</td><td></td><td></td><td>0.03</td></tr> <tr><td>ESK</td><td>HE</td><td>97.5</td><td>IAML</td><td></td><td></td><td>22:57</td><td>59.46</td><td>3</td><td>0.28</td><td></td></tr> <tr><td>ESK</td><td>HN</td><td>97.5</td><td>IAML</td><td></td><td></td><td>22:57</td><td>59.96</td><td>4</td><td>0.20</td><td></td></tr> <tr><td>EKB</td><td>BZ</td><td>99.5</td><td>EP</td><td></td><td></td><td>22:57</td><td>47.25</td><td></td><td></td><td>0.42</td></tr> <tr><td>EKB</td><td>BN</td><td>99.5</td><td>ES</td><td></td><td></td><td>22:57</td><td>58.70</td><td></td><td></td><td>-0.09</td></tr> <tr><td>HPK</td><td>HN</td><td>103.0</td><td>ES</td><td></td><td></td><td>22:57</td><td>59.81</td><td></td><td></td><td>0.13</td></tr> <tr><td>HPK</td><td>HE</td><td>103.0</td><td>IAML</td><td></td><td></td><td>22:58</td><td>02.46</td><td>9</td><td>0.16</td><td></td></tr> <tr><td>HPK</td><td>HN</td><td>103.0</td><td>IAML</td><td></td><td></td><td>22:58</td><td>02.72</td><td>8</td><td>0.16</td><td></td></tr> <tr><td>IOMK</td><td>HZ</td><td>107.0</td><td>EP</td><td></td><td></td><td>22:57</td><td>48.10</td><td></td><td></td><td>0.20</td></tr> <tr><td>IOMK</td><td>HE</td><td>107.0</td><td>ES</td><td></td><td></td><td>22:58</td><td>00.20</td><td></td><td></td><td>-0.45</td></tr> <tr><td>GALL</td><td>HZ</td><td>122.0</td><td>EP</td><td></td><td></td><td>22:57</td><td>50.26</td><td></td><td></td><td>-0.03</td></tr> <tr><td>GALL</td><td>HN</td><td>122.0</td><td>ES</td><td></td><td></td><td>22:58</td><td>04.87</td><td></td><td></td><td>0.09</td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KESW	HZ	17.9	IP		D	22:57	33.94			-0.15	KESW	HE	17.9	ES			22:57	36.61			-0.14	KESW	HE	17.9	IAML			22:57	36.86	46	0.14		KESW	HN	17.9	IAML			22:57	36.96	41	0.24		EDMD	HZ	76.9	EP			22:57	43.23			-0.03	EDMD	HN	76.9	ES			22:57	52.15			-0.46	EDMD	HN	76.9	IAML			22:57	52.89	6	0.14		EDMD	HE	76.9	IAML			22:57	53.73	6	0.15		ESK	HZ	97.5	EP			22:57	46.98			0.48	ESK	HE	97.5	ES			22:57	58.25			0.03	ESK	HE	97.5	IAML			22:57	59.46	3	0.28		ESK	HN	97.5	IAML			22:57	59.96	4	0.20		EKB	BZ	99.5	EP			22:57	47.25			0.42	EKB	BN	99.5	ES			22:57	58.70			-0.09	HPK	HN	103.0	ES			22:57	59.81			0.13	HPK	HE	103.0	IAML			22:58	02.46	9	0.16		HPK	HN	103.0	IAML			22:58	02.72	8	0.16		IOMK	HZ	107.0	EP			22:57	48.10			0.20	IOMK	HE	107.0	ES			22:58	00.20			-0.45	GALL	HZ	122.0	EP			22:57	50.26			-0.03	GALL	HN	122.0	ES			22:58	04.87			0.09	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>HMNX</td><td>HZ</td><td>108.0</td><td>EP</td><td></td><td></td><td>19:12</td><td>39.50</td><td></td><td></td><td>-0.29</td></tr> <tr><td>HMNX</td><td>HN</td><td>108.0</td><td>ES</td><td></td><td></td><td>19:12</td><td>52.96</td><td></td><td></td><td>0.18</td></tr> <tr><td>HMNX</td><td>HE</td><td>108.0</td><td>IAML</td><td></td><td></td><td>19:12</td><td>56.66</td><td>53</td><td>0.22</td><td></td></tr> <tr><td>HMNX</td><td>HN</td><td>108.0</td><td>IAML</td><td></td><td></td><td>19:12</td><td>56.73</td><td>53</td><td>0.24</td><td></td></tr> <tr><td>JLP</td><td>EZ</td><td>146.0</td><td>EP</td><td></td><td></td><td>19:12</td><td>45.43</td><td></td><td></td><td>0.02</td></tr> <tr><td>JLP</td><td>EZ</td><td>146.0</td><td>ES</td><td></td><td></td><td>19:13</td><td>01.78</td><td></td><td></td><td>-0.71</td></tr> <tr><td>JQE</td><td>EZ</td><td>146.0</td><td>EP</td><td></td><td></td><td>19:12</td><td>45.46</td><td></td><td></td><td>0.09</td></tr> <tr><td>JRS</td><td>EE</td><td>149.0</td><td>EP</td><td></td><td></td><td>19:12</td><td>46.22</td><td></td><td></td><td>0.34</td></tr> <tr><td>JRS</td><td>EN</td><td>149.0</td><td>ES</td><td></td><td></td><td>19:13</td><td>03.22</td><td></td><td></td><td>-0.08</td></tr> <tr><td>JRS</td><td>EE</td><td>149.0</td><td>IAML</td><td></td><td></td><td>19:13</td><td>04.80</td><td>28</td><td>0.36</td><td></td></tr> <tr><td>JRS</td><td>EN</td><td>149.0</td><td>IAML</td><td></td><td></td><td>19:13</td><td>04.96</td><td>25</td><td>0.24</td><td></td></tr> <tr><td>JVM</td><td>EZ</td><td>154.0</td><td>EP</td><td></td><td></td><td>19:12</td><td>47.00</td><td></td><td></td><td>0.45</td></tr> <tr><td>JSA</td><td>HZ</td><td>154.0</td><td>EP</td><td></td><td></td><td>19:12</td><td>46.75</td><td></td><td></td><td>0.20</td></tr> <tr><td>JSA</td><td>HN</td><td>154.0</td><td>ES</td><td></td><td></td><td>19:13</td><td>04.85</td><td></td><td></td><td>0.39</td></tr> <tr><td>JSA</td><td>HN</td><td>154.0</td><td>IAML</td><td></td><td></td><td>19:13</td><td>05.86</td><td>17</td><td>0.34</td><td></td></tr> <tr><td>JSA</td><td>HE</td><td>154.0</td><td>IAML</td><td></td><td></td><td>19:13</td><td>05.94</td><td>28</td><td>0.34</td><td></td></tr> <tr><td>ELSH</td><td>HZ</td><td>168.0</td><td>EP</td><td></td><td></td><td>19:12</td><td>48.40</td><td></td><td></td><td>-0.20</td></tr> <tr><td>ROSF</td><td>BZ</td><td>278.0</td><td>EP</td><td></td><td></td><td>19:13</td><td>01.51</td><td></td><td></td><td>-0.82</td></tr> <tr><td>ROSF</td><td>BN</td><td>278.0</td><td>IAML</td><td></td><td></td><td>19:13</td><td>40.50</td><td>4</td><td>0.36</td><td></td></tr> <tr><td>ROSF</td><td>BE</td><td>278.0</td><td>IAML</td><td></td><td></td><td>19:13</td><td>42.01</td><td>3</td><td>0.24</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	HMNX	HZ	108.0	EP			19:12	39.50			-0.29	HMNX	HN	108.0	ES			19:12	52.96			0.18	HMNX	HE	108.0	IAML			19:12	56.66	53	0.22		HMNX	HN	108.0	IAML			19:12	56.73	53	0.24		JLP	EZ	146.0	EP			19:12	45.43			0.02	JLP	EZ	146.0	ES			19:13	01.78			-0.71	JQE	EZ	146.0	EP			19:12	45.46			0.09	JRS	EE	149.0	EP			19:12	46.22			0.34	JRS	EN	149.0	ES			19:13	03.22			-0.08	JRS	EE	149.0	IAML			19:13	04.80	28	0.36		JRS	EN	149.0	IAML			19:13	04.96	25	0.24		JVM	EZ	154.0	EP			19:12	47.00			0.45	JSA	HZ	154.0	EP			19:12	46.75			0.20	JSA	HN	154.0	ES			19:13	04.85			0.39	JSA	HN	154.0	IAML			19:13	05.86	17	0.34		JSA	HE	154.0	IAML			19:13	05.94	28	0.34		ELSH	HZ	168.0	EP			19:12	48.40			-0.20	ROSF	BZ	278.0	EP			19:13	01.51			-0.82	ROSF	BN	278.0	IAML			19:13	40.50	4	0.36		ROSF	BE	278.0	IAML			19:13	42.01	3	0.24																																																																														
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JSA	HZ	154.0	EP			19:12	46.75			0.20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
JSA	HN	154.0	ES			19:13	04.85			0.39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
JSA	HN	154.0	IAML			19:13	05.86	17	0.34																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
JSA	HE	154.0	IAML			19:13	05.94	28	0.34																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
ELSH	HZ	168.0	EP			19:12	48.40			-0.20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
ROSF	BZ	278.0	EP			19:13	01.51			-0.82																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
ROSF	BN	278.0	IAML			19:13	40.50	4	0.36																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
ROSF	BE	278.0	IAML			19:13	42.01	3	0.24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
<p>July 18 2015 Time: 04:52 44.4 UTC Magnitude: 0.7 ML</p> <p>Lat: 53.220N Lon: -4.104W Depth: 17.7 km</p> <p>Grid Ref: 259.54 kmE 371.31 kmN RMS: 0.10 secs</p> <p>Locality: BANGOR,GWYNEDD</p> <p>Velocity model: LleyN Xnear: 100.0 Xfar: 200.0</p>	<p>July 24 2015 Time: 10:20 28.2 UTC Magnitude: 1.0 ML</p> <p>Lat: 54.728N Lon: -3.147W Depth: 4.4 km</p> <p>Grid Ref: 326.14 kmE 537.62 kmN RMS: 0.20 secs</p> <p>Locality: WIGTON,CUMBRIA</p> <p>Velocity model: Borders Xnear: 50.0 Xfar: 100.0</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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# 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		GALL 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						July 26 2015 Time: 10:18 07.5 UTC Magnitude: 0.7 ML					
Lat: 54.209N Lon: -3.978W Depth: 2.5 km						Lat: 57.094N Lon: -5.744W Depth: 4.1 km					
Grid Ref: 271.01 kmE 481.08 kmN RMS: 0.30 secs						Grid Ref: 173.22 kmE 806.54 kmN RMS: 0.40 secs					
Locality: IRISH SEA						Locality: AIROR, HIGHLAND					
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0						Velocity model: Lownet Xnear: 100.0 Xfar: 200.0					
Comment: 33KM ENE DOUGLAS, IOM						Comment: 60KM SW HOLYHEAD					
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES						STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES					
IOMK HZ 38.8 EP	12:58	34.13				KPL HZ 27.8 EP	10:18	12.86		0.16	
IOMK HN 38.8 ES	12:58	39.30			-0.16	KPL HE 27.8 ES	10:18	16.13		-0.36	
IOMK HE 38.8 IAML	12:58	39.88	18	0.22		KPL HN 27.8 IAML	10:18	16.31	5	0.30	
IOMK HN 38.8 IAML	12:58	40.47	45	0.62		KPL HE 27.8 IAML	10:18	16.40	12	0.26	
SPK EZ 40.5 EP	12:58	34.13			-0.42	KAC EZ 52.4 IP	D	10:18	16.59	-0.25	
KESW HZ 70.7 EP	12:58	39.09			-0.33	LAWE HZ 95.3 EP	10:18	24.06		0.59	
KESW HN 70.7 ES	12:58	48.15			-0.18	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			0.37	LINV HN 122.0 ES	10:18	42.79		0.62	
AQ02 HZ 91.4 EP	12:58	43.01			0.43	LINV HN 122.0 IAML	10:18	43.09	1	0.34	
WME EZ 92.9 EP	12:58	43.04			0.22	LINV HE 122.0 IAML	10:18	43.34	2	0.54	
WPS HZ 96.3 EP	12:58	43.29			-0.04	INVG HZ 128.0 EP	10:18	28.77		0.23	
WPS HN 96.3 ES	12:58	54.89			-0.20	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			-0.04	LEWI HN 135.0 ES	10:18	45.42		-0.29	
YRC EZ 114.0 EP	12:58	46.10			0.07	LEWI HN 135.0 IAML	10:18	45.75	1	0.17	
ESK HZ 133.0 EP	12:58	49.32			0.26	LEWI HE 135.0 IAML	10:18	46.85	2	0.27	
ESK HE 133.0 ES	12:59	05.59			0.57						
ESK HN 133.0 IAML	12:59	06.19	8	0.20		July 31 2015 Time: 15:38 15.1 UTC Magnitude: 1.8 ML					
ESK HE 133.0 IAML	12:59	06.66	10	0.32		Lat: 52.998N Lon: -5.352W Depth: 10.3 km					
EDMD HZ 148.0 EP	12:58	51.55			0.43	Grid Ref: 175.09 kmE 349.81 kmN RMS: 0.10 secs					
EDMD HN 148.0 ES	12:59	08.48			-0.10	Locality: IRISH SEA					
EDMD HN 148.0 IAML	12:59	09.96	18	0.17		Velocity model: Lownet Xnear: 100.0 Xfar: 200.0					
EDMD HE 148.0 IAML	12:59	10.10	28	0.28		Comment: 60KM SW HOLYHEAD					
July 25 2015 Time: 00:10 00.6 UTC Magnitude: 1.3 ML						STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES					
Lat: 53.787N Lon: -2.310W Depth: 7.7 km						WLF1 HZ 71.7 EP	15:38	27.03		0.00	
Grid Ref: 379.58 kmE 432.37 kmN RMS: 0.40 secs						WLF1 HN 71.7 ES	15:38	35.58		-0.19	
Locality: BURNLEY, LANCASHIRE						WLF1 HN 71.7 IAML	15:38	36.20	43	0.11	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0						WLF1 HE 71.7 IAML	15:38	36.88	32	0.15	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES						WPS HZ 72.5 EP	15:38	27.26		0.11	
LBWR HZ 57.8 EP	00:10	10.37			-0.09	WPS HE 72.5 ES	15:38	35.92		-0.06	
LBWR HE 57.8 ES	00:10	17.41			-0.26	WPS HN 72.5 IAML	15:38	36.44	34	0.14	
LBWR HE 57.8 IAML	00:10	18.06	13	0.28		WPS HE 72.5 IAML	15:38	36.67	20	0.24	
LBWR HN 57.8 IAML	00:10	20.18	11	0.33		YLL EZ 80.8 EP	15:38	28.58		0.12	
KESW HZ 103.0 EP	00:10	17.62			0.14	WME EZ 83.0 EP	15:38	28.87		0.08	
KESW HN 103.0 ES	00:10	29.23			-0.58	LLW BZ 115.0 EP	15:38	33.61		-0.04	
KESW HE 103.0 IAML	00:10	31.72	8	0.38		IWEX BZ 119.0 EP	15:38	34.04		-0.18	
KESW HN 103.0 IAML	00:10	31.79	9	0.68		IWEX BE 119.0 IAML	15:38	49.81	22	0.20	
FOEL HZ 116.0 EP	00:10	19.95			0.43	IWEX BN 119.0 IAML	15:38	49.81	27	0.18	
FOEL HE 116.0 IAML	00:10	38.73	10	0.80		RSBS HZ 123.0 EP	15:38	34.96		0.04	
FOEL HN 116.0 IAML	00:10	39.04	8	0.58		ILTH BZ 132.0 EP	15:38	36.19		0.11	
EDMD HZ 118.0 EP	00:10	20.21			0.43	FOEL HZ 145.0 EP	15:38	38.09		0.02	
EDMD HN 118.0 ES	00:10	34.06			0.26	FOEL HN 145.0 ES	15:38	54.98		0.12	
EDMD HE 118.0 IAML	00:10	35.64	11	0.42		FOEL HE 145.0 IAML	15:38	56.72	24	0.29	
EDMD HN 118.0 IAML	00:10	35.80	10	0.23		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						August 1 2015 Time: 21:04 52.3 UTC Magnitude: 0.7 ML					
Lat: 56.344N Lon: -5.853W Depth: 4.5 km						Lat: 57.685N Lon: -5.698W Depth: 2.5 km					
Grid Ref: 161.93 kmE 723.51 kmN RMS: 0.40 secs						Grid Ref: 179.58 kmE 872.11 kmN RMS: 0.50 secs					
Locality: MULL, ARGYLL & BUTE						Locality: BADACHRO, HIGHLAND					
Velocity model: Lownet Xnear: 150.0 Xfar: 300.0						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					
LAWE HZ 29.6 IP	00:48	07.50			0.26	KAC EZ 31.6 EP	21:04	58.12		-0.03	
LAWE HE 29.6 ES	00:48	11.07			-0.16	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	00:48	12.42	22	0.14		LINV HZ 59.4 EP	21:05	02.74		0.06	
PGB1 HZ 104.0 EP	00:48	17.98			-0.78	LINV HE 59.4 ES	21:05	09.70		-0.58	
PGB1 HE 104.0 ES	00:48	31.68			0.52	LINV HN 59.4 IAML	21:05	09.95	1	0.11	
PGB1 HE 104.0 IAML	00:48	33.13	9	0.26		LINV HE 59.4 IAML	21:05	09.96	2	0.13	
PGB1 HN 104.0 IAML	00:48	33.46	10	0.19		LEWI HZ 86.2 EP	21:05	07.15		0.26	
KPL HZ 111.0 EP	00:48	20.00			0.09	BIGH HZ 139.0 EP	21:05	15.53		0.63	
KPL HE 111.0 ES	00:48	32.91			-0.23	BIGH HN 139.0 ES	21:05	31.05		-0.36	
KPL HN 111.0 IAML	00:48	35.50	7	0.14		BIGH HN 139.0 IAML	21:05	32.79	5	0.17	
KPL HE 111.0 IAML	00:48	35.77	8	0.17		BIGH HE 139.0 IAML	21:05	32.85	4	0.12	
INVG HZ 112.0 EP	00:48	20.47			0.41	LAWE HN 160.0 ES	21:05	36.73		0.07	
INVG HN 112.0 ES	00:48	33.15			-0.26						











# TABLE 2 : PHASE DATA

<p>PGB1 HZ 84.0 EP 11:23 11.70 0.43            PGB1 HE 84.0 ES 11:23 21.97 0.24            PGB1 HE 84.0 IAML 11:23 25.02 4 0.30            PGB1 HN 84.0 IAML 11:23 25.11 6 0.18            IOMK HZ 107.0 EP 11:23 15.28 0.40            IOMK HN 107.0 ES 11:23 28.40 0.44            IOMK HE 107.0 IAML 11:23 29.44 8 0.11            IOMK HN 107.0 IAML 11:23 30.65 7 0.13            ESY HZ 118.0 EP 11:23 16.75 0.16            CLGH HZ 142.0 EP 11:23 20.61 0.40            CLGH HE 142.0 ES 11:23 37.50 0.32</p>	<p>Lat: 52.822N Lon: -3.282W Depth: 8.8 km            Grid Ref: 313.62 kmE 325.75 kmN RMS: 0.10 secs            Locality: PENYBONTFAWR, POWYS            Velocity model: Lownet Xnear: 100.0 Xfar: 150.0</p> <table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>FOEL</td><td>HZ</td><td>9.3</td><td>EP</td><td></td><td></td><td>02:06</td><td>47.14</td><td></td><td></td><td>0.10</td></tr> <tr><td>FOEL</td><td>HN</td><td>9.3</td><td>ES</td><td></td><td></td><td>02:06</td><td>48.84</td><td></td><td></td><td>-0.03</td></tr> <tr><td>FOEL</td><td>HE</td><td>9.3</td><td>IAML</td><td></td><td></td><td>02:06</td><td>49.32</td><td>40</td><td>0.12</td><td></td></tr> <tr><td>FOEL</td><td>HN</td><td>9.3</td><td>IAML</td><td></td><td></td><td>02:06</td><td>49.34</td><td>45</td><td>0.16</td><td></td></tr> <tr><td>HLM1</td><td>HZ</td><td>43.3</td><td>EP</td><td></td><td></td><td>02:06</td><td>52.19</td><td></td><td></td><td>0.00</td></tr> <tr><td>HLM1</td><td>HE</td><td>43.3</td><td>ES</td><td></td><td></td><td>02:06</td><td>57.56</td><td></td><td></td><td>-0.21</td></tr> <tr><td>HLM1</td><td>HN</td><td>43.3</td><td>IAML</td><td></td><td></td><td>02:06</td><td>57.86</td><td>5</td><td>0.11</td><td></td></tr> <tr><td>HLM1</td><td>HE</td><td>43.3</td><td>IAML</td><td></td><td></td><td>02:06</td><td>57.94</td><td>5</td><td>0.10</td><td></td></tr> <tr><td>WLF1</td><td>HZ</td><td>91.0</td><td>EP</td><td></td><td></td><td>02:06</td><td>59.38</td><td></td><td></td><td>-0.13</td></tr> <tr><td>WME</td><td>EZ</td><td>93.6</td><td>EP</td><td></td><td></td><td>02:06</td><td>59.91</td><td></td><td></td><td>-0.01</td></tr> <tr><td>MCH1</td><td>HZ</td><td>93.8</td><td>EP</td><td></td><td></td><td>02:07</td><td>00.20</td><td></td><td></td><td>0.24</td></tr> <tr><td>LBWR</td><td>HZ</td><td>123.0</td><td>EP</td><td></td><td></td><td>02:07</td><td>04.39</td><td></td><td></td><td>0.00</td></tr> <tr><td>CWF</td><td>HZ</td><td>134.0</td><td>EP</td><td></td><td></td><td>02:07</td><td>06.29</td><td></td><td></td><td>0.37</td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	FOEL	HZ	9.3	EP			02:06	47.14			0.10	FOEL	HN	9.3	ES			02:06	48.84			-0.03	FOEL	HE	9.3	IAML			02:06	49.32	40	0.12		FOEL	HN	9.3	IAML			02:06	49.34	45	0.16		HLM1	HZ	43.3	EP			02:06	52.19			0.00	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		WLF1	HZ	91.0	EP			02:06	59.38			-0.13	WME	EZ	93.6	EP			02:06	59.91			-0.01	MCH1	HZ	93.8	EP			02:07	00.20			0.24	LBWR	HZ	123.0	EP			02:07	04.39			0.00	CWF	HZ	134.0	EP			02:07	06.29			0.37																																																																																																																																																																																																																																																																								
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<p>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</p> <table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>STRD</td><td>HZ</td><td>29.3</td><td>IP</td><td></td><td>C</td><td>19:52</td><td>24.70</td><td></td><td></td><td>0.10</td></tr> <tr><td>STRD</td><td>HE</td><td>29.3</td><td>ES</td><td></td><td></td><td>19:52</td><td>28.73</td><td></td><td></td><td>0.14</td></tr> <tr><td>STRD</td><td>HE</td><td>29.3</td><td>IAML</td><td></td><td></td><td>19:52</td><td>29.23</td><td>30</td><td>0.10</td><td></td></tr> <tr><td>STRD</td><td>HN</td><td>29.3</td><td>IAML</td><td></td><td></td><td>19:52</td><td>29.35</td><td>25</td><td>0.08</td><td></td></tr> <tr><td>SWN1</td><td>HZ</td><td>40.3</td><td>EP</td><td></td><td></td><td>19:52</td><td>26.12</td><td></td><td></td><td>-0.17</td></tr> <tr><td>SWN1</td><td>HN</td><td>40.3</td><td>ES</td><td></td><td></td><td>19:52</td><td>31.60</td><td></td><td></td><td>0.10</td></tr> <tr><td>SWN1</td><td>HE</td><td>40.3</td><td>IAML</td><td></td><td></td><td>19:52</td><td>32.04</td><td>40</td><td>0.14</td><td></td></tr> <tr><td>SWN1</td><td>HN</td><td>40.3</td><td>IAML</td><td></td><td></td><td>19:52</td><td>32.10</td><td>19</td><td>0.19</td><td></td></tr> <tr><td>OLDB</td><td>HZ</td><td>59.0</td><td>EP</td><td></td><td></td><td>19:52</td><td>28.93</td><td></td><td></td><td>-0.21</td></tr> <tr><td>OLDB</td><td>HN</td><td>59.0</td><td>ES</td><td></td><td></td><td>19:52</td><td>36.33</td><td></td><td></td><td>-0.11</td></tr> <tr><td>CWF</td><td>HZ</td><td>101.0</td><td>EP</td><td></td><td></td><td>19:52</td><td>35.92</td><td></td><td></td><td>0.21</td></tr> <tr><td>CWF</td><td>HN</td><td>101.0</td><td>ES</td><td></td><td></td><td>19:52</td><td>47.57</td><td></td><td></td><td>-0.23</td></tr> <tr><td>CWF</td><td>HN</td><td>101.0</td><td>IAML</td><td></td><td></td><td>19:52</td><td>48.05</td><td>4</td><td>0.09</td><td></td></tr> <tr><td>CWF</td><td>HE</td><td>101.0</td><td>IAML</td><td></td><td></td><td>19:52</td><td>48.16</td><td>4</td><td>0.14</td><td></td></tr> <tr><td>HLM1</td><td>HZ</td><td>104.0</td><td>EP</td><td></td><td></td><td>19:52</td><td>36.40</td><td></td><td></td><td>0.13</td></tr> <tr><td>HLM1</td><td>HN</td><td>104.0</td><td>ES</td><td></td><td></td><td>19:52</td><td>48.81</td><td></td><td></td><td>0.04</td></tr> <tr><td>HLM1</td><td>HE</td><td>104.0</td><td>IAML</td><td></td><td></td><td>19:52</td><td>49.15</td><td>2</td><td>0.24</td><td></td></tr> <tr><td>HLM1</td><td>HN</td><td>104.0</td><td>IAML</td><td></td><td></td><td>19:52</td><td>49.17</td><td>2</td><td>0.46</td><td></td></tr> </tbody> </table>	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		SWN1	HZ	40.3	EP			19:52	26.12			-0.17	SWN1	HN	40.3	ES			19:52	31.60			0.10	SWN1	HE	40.3	IAML			19:52	32.04	40	0.14		SWN1	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		<p>September 30 2015 Time: 05:04 47.0 UTC Magnitude: 0.9 ML            Lat: 56.267N Lon: -5.903W Depth: 3.6 km            Grid Ref: 158.35 kmE 715.12 kmN RMS: 0.00 secs            Locality: MULL, ARGYLL &amp; BUTE            Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0            Comment: OFFSHORE MULL</p> <table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>PGB1</td><td>HZ</td><td>102.0</td><td>EP</td><td></td><td></td><td>05:05</td><td>03.94</td><td></td><td></td><td>0.00</td></tr> <tr><td>PGB1</td><td>HN</td><td>102.0</td><td>ES</td><td></td><td></td><td>05:05</td><td>16.25</td><td></td><td></td><td>-0.06</td></tr> <tr><td>INVG</td><td>HZ</td><td>116.0</td><td>EP</td><td></td><td></td><td>05:05</td><td>06.23</td><td></td><td></td><td>0.05</td></tr> <tr><td>INVG</td><td>HN</td><td>116.0</td><td>ES</td><td></td><td></td><td>05:05</td><td>20.24</td><td></td><td></td><td>0.04</td></tr> <tr><td>INVG</td><td>HE</td><td>116.0</td><td>IAML</td><td></td><td></td><td>05:05</td><td>21.79</td><td>3</td><td>0.20</td><td></td></tr> <tr><td>INVG</td><td>HN</td><td>116.0</td><td>IAML</td><td></td><td></td><td>05:05</td><td>21.81</td><td>5</td><td>0.11</td><td></td></tr> <tr><td>KPL</td><td>HZ</td><td>120.0</td><td>EP</td><td></td><td></td><td>05:05</td><td>06.78</td><td></td><td></td><td>0.02</td></tr> <tr><td>KPL</td><td>HE</td><td>120.0</td><td>ES</td><td></td><td></td><td>05:05</td><td>21.20</td><td></td><td></td><td>0.00</td></tr> <tr><td>KPL</td><td>HE</td><td>120.0</td><td>IAML</td><td></td><td></td><td>05:05</td><td>23.52</td><td>2</td><td>0.28</td><td></td></tr> <tr><td>KPL</td><td>HN</td><td>120.0</td><td>IAML</td><td></td><td></td><td>05:05</td><td>23.95</td><td>1</td><td>0.15</td><td></td></tr> <tr><td>CLGH</td><td>HZ</td><td>132.0</td><td>EP</td><td></td><td></td><td>05:05</td><td>08.63</td><td></td><td></td><td>-0.02</td></tr> <tr><td>CLGH</td><td>HN</td><td>132.0</td><td>ES</td><td></td><td></td><td>05:05</td><td>24.52</td><td></td><td></td><td>0.05</td></tr> <tr><td>CLGH</td><td>HN</td><td>132.0</td><td>IAML</td><td></td><td></td><td>05:05</td><td>27.03</td><td>4</td><td>0.19</td><td></td></tr> <tr><td>CLGH</td><td>HE</td><td>132.0</td><td>IAML</td><td></td><td></td><td>05:05</td><td>27.22</td><td>4</td><td>0.36</td><td></td></tr> <tr><td>KAC</td><td>EZ</td><td>142.0</td><td>EP</td><td></td><td></td><td>05:05</td><td>09.96</td><td></td><td></td><td>-0.06</td></tr> <tr><td>NEWG</td><td>HN</td><td>166.0</td><td>ES</td><td></td><td></td><td>05:05</td><td>32.63</td><td></td><td></td><td>-0.01</td></tr> <tr><td>NEWG</td><td>HE</td><td>166.0</td><td>IAML</td><td></td><td></td><td>05:05</td><td>35.10</td><td>2</td><td>0.36</td><td></td></tr> <tr><td>NEWG</td><td>HN</td><td>166.0</td><td>IAML</td><td></td><td></td><td>05:05</td><td>35.33</td><td>2</td><td>0.36</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	PGB1	HZ	102.0	EP			05:05	03.94			0.00	PGB1	HN	102.0	ES			05:05	16.25			-0.06	INVG	HZ	116.0	EP			05:05	06.23			0.05	INVG	HN	116.0	ES			05:05	20.24			0.04	INVG	HE	116.0	IAML			05:05	21.79	3	0.20		INVG	HN	116.0	IAML			05:05	21.81	5	0.11		KPL	HZ	120.0	EP			05:05	06.78			0.02	KPL	HE	120.0	ES			05:05	21.20			0.00	KPL	HE	120.0	IAML			05:05	23.52	2	0.28		KPL	HN	120.0	IAML			05:05	23.95	1	0.15		CLGH	HZ	132.0	EP			05:05	08.63			-0.02	CLGH	HN	132.0	ES			05:05	24.52			0.05	CLGH	HN	132.0	IAML			05:05	27.03	4	0.19		CLGH	HE	132.0	IAML			05:05	27.22	4	0.36		KAC	EZ	142.0	EP			05:05	09.96			-0.06	NEWG	HN	166.0	ES			05:05	32.63			-0.01	NEWG	HE	166.0	IAML			05:05	35.10	2	0.36		NEWG	HN	166.0	IAML			05:05	35.33	2	0.36	
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<p>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</p> <table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>HLM1</td><td>HZ</td><td>23.0</td><td>EP</td><td></td><td></td><td>02:49</td><td>43.31</td><td></td><td></td><td>-0.14</td></tr> <tr><td>HLM1</td><td>HN</td><td>23.0</td><td>ES</td><td></td><td></td><td>02:49</td><td>46.77</td><td></td><td></td><td>0.00</td></tr> <tr><td>HLM1</td><td>HN</td><td>23.0</td><td>IAML</td><td></td><td></td><td>02:49</td><td>47.37</td><td>5</td><td>0.09</td><td></td></tr> <tr><td>HLM1</td><td>HE</td><td>23.0</td><td>IAML</td><td></td><td></td><td>02:49</td><td>47.44</td><td>6</td><td>0.12</td><td></td></tr> <tr><td>FOEL</td><td>HZ</td><td>58.1</td><td>EP</td><td></td><td></td><td>02:49</td><td>49.02</td><td></td><td></td><td>0.06</td></tr> <tr><td>FOEL</td><td>HE</td><td>58.1</td><td>ES</td><td></td><td></td><td>02:49</td><td>56.27</td><td></td><td></td><td>0.02</td></tr> <tr><td>FOEL</td><td>HN</td><td>58.1</td><td>IAML</td><td></td><td></td><td>02:49</td><td>56.52</td><td>4</td><td>0.20</td><td></td></tr> <tr><td>FOEL</td><td>HE</td><td>58.1</td><td>IAML</td><td></td><td></td><td>02:49</td><td>56.79</td><td>3</td><td>0.34</td><td></td></tr> <tr><td>LLW</td><td>BZ</td><td>65.1</td><td>EP</td><td></td><td></td><td>02:49</td><td>50.00</td><td></td><td></td><td>0.03</td></tr> <tr><td>LLW</td><td>BN</td><td>65.1</td><td>ES</td><td></td><td></td><td>02:49</td><td>57.86</td><td></td><td></td><td>-0.13</td></tr> <tr><td>STNC</td><td>HZ</td><td>101.0</td><td>EP</td><td></td><td></td><td>02:49</td><td>55.66</td><td></td><td></td><td>0.27</td></tr> <tr><td>RSBS</td><td>HZ</td><td>121.0</td><td>EP</td><td></td><td></td><td>02:49</td><td>58.29</td><td></td><td></td><td>-0.07</td></tr> <tr><td>RSBS</td><td>HN</td><td>121.0</td><td>IAML</td><td></td><td></td><td>02:50</td><td>14.22</td><td>2</td><td>0.23</td><td></td></tr> <tr><td>RSBS</td><td>HE</td><td>121.0</td><td>IAML</td><td></td><td></td><td>02:50</td><td>15.11</td><td>2</td><td>0.08</td><td></td></tr> <tr><td>CWF</td><td>HZ</td><td>129.0</td><td>EP</td><td></td><td></td><td>02:49</td><td>59.90</td><td></td><td></td><td>0.27</td></tr> <tr><td>CWF</td><td>HN</td><td>129.0</td><td>ES</td><td></td><td></td><td>02:50</td><td>14.29</td><td></td><td></td><td>-0.31</td></tr> <tr><td>CWF</td><td>HE</td><td>129.0</td><td>IAML</td><td></td><td></td><td>02:50</td><td>15.43</td><td>2</td><td>0.12</td><td></td></tr> <tr><td>CWF</td><td>HN</td><td>129.0</td><td>IAML</td><td></td><td></td><td>02:50</td><td>15.53</td><td>2</td><td>0.19</td><td></td></tr> </tbody> </table>	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		<p>September 30 2015 Time: 05:16 54.4 UTC Magnitude: 0.9 ML            Lat: 56.262N Lon: -5.909W Depth: 4.8 km            Grid Ref: 157.95 kmE 714.58 kmN RMS: 0.10 secs            Locality: MULL, ARGYLL &amp; BUTE            Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0            Comment: OFFSHORE MULL</p> <table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>PGB1</td><td>HZ</td><td>102.0</td><td>EP</td><td></td><td></td><td>05:17</td><td>11.37</td><td></td><td></td><td>0.13</td></tr> <tr><td>PGB1</td><td>HN</td><td>102.0</td><td>ES</td><td></td><td></td><td>05:17</td><td>23.64</td><td></td><td></td><td>0.08</td></tr> <tr><td>INVG</td><td>HZ</td><td>117.0</td><td>EP</td><td></td><td></td><td>05:17</td><td>13.42</td><td></td><td></td><td>-0.12</td></tr> <tr><td>INVG</td><td>HN</td><td>117.0</td><td>ES</td><td></td><td></td><td>05:17</td><td>27.54</td><td></td><td></td><td>0.00</td></tr> <tr><td>INVG</td><td>HE</td><td>117.0</td><td>IAML</td><td></td><td></td><td>05:17</td><td>29.09</td><td>3</td><td>0.21</td><td></td></tr> <tr><td>INVG</td><td>HN</td><td>117.0</td><td>IAML</td><td></td><td></td><td>05:17</td><td>29.10</td><td>5</td><td>0.08</td><td></td></tr> <tr><td>KPL</td><td>HZ</td><td>121.0</td><td>EP</td><td></td><td></td><td>05:17</td><td>13.98</td><td></td><td></td><td>-0.15</td></tr> <tr><td>KPL</td><td>HE</td><td>121.0</td><td>ES</td><td></td><td></td><td>05:17</td><td>28.71</td><td></td><td></td><td>0.15</td></tr> <tr><td>KPL</td><td>HE</td><td>121.0</td><td>IAML</td><td></td><td></td><td>05:17</td><td>30.80</td><td>3</td><td>0.20</td><td></td></tr> <tr><td>KPL</td><td>HN</td><td>121.0</td><td>IAML</td><td></td><td></td><td>05:17</td><td>31.24</td><td>2</td><td>0.13</td><td></td></tr> <tr><td>CLGH</td><td>HZ</td><td>132.0</td><td>EP</td><td></td><td></td><td>05:17</td><td>15.94</td><td></td><td></td><td>0.10</td></tr> <tr><td>CLGH</td><td>HE</td><td>132.0</td><td>ES</td><td></td><td></td><td>05:17</td><td>31.49</td><td></td><td></td><td>-0.03</td></tr> <tr><td>CLGH</td><td>HE</td><td>132.0</td><td>IAML</td><td></td><td></td><td>05:17</td><td>33.89</td><td>3</td><td>0.26</td><td></td></tr> <tr><td>CLGH</td><td>HN</td><td>132.0</td><td>IAML</td><td></td><td></td><td>05:17</td><td>34.34</td><td>4</td><td>0.23</td><td></td></tr> <tr><td>KAC</td><td>EZ</td><td>143.0</td><td>EP</td><td></td><td></td><td>05:17</td><td>17.31</td><td></td><td></td><td>-0.05</td></tr> <tr><td>NEWG</td><td>HE</td><td>166.0</td><td>ES</td><td></td><td></td><td>05:17</td><td>39.69</td><td></td><td></td><td>-0.10</td></tr> <tr><td>NEWG</td><td>HE</td><td>166.0</td><td>IAML</td><td></td><td></td><td>05:17</td><td>42.38</td><td>2</td><td>0.23</td><td></td></tr> <tr><td>NEWG</td><td>HN</td><td>166.0</td><td>IAML</td><td></td><td></td><td>05:17</td><td>42.65</td><td>2</td><td>0.34</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	PGB1	HZ	102.0	EP			05:17	11.37			0.13	PGB1	HN	102.0	ES			05:17	23.64			0.08	INVG	HZ	117.0	EP			05:17	13.42			-0.12	INVG	HN	117.0	ES			05:17	27.54			0.00	INVG	HE	117.0	IAML			05:17	29.09	3	0.21		INVG	HN	117.0	IAML			05:17	29.10	5	0.08		KPL	HZ	121.0	EP			05:17	13.98			-0.15	KPL	HE	121.0	ES			05:17	28.71			0.15	KPL	HE	121.0	IAML			05:17	30.80	3	0.20		KPL	HN	121.0	IAML			05:17	31.24	2	0.13		CLGH	HZ	132.0	EP			05:17	15.94			0.10	CLGH	HE	132.0	ES			05:17	31.49			-0.03	CLGH	HE	132.0	IAML			05:17	33.89	3	0.26		CLGH	HN	132.0	IAML			05:17	34.34	4	0.23		KAC	EZ	143.0	EP			05:17	17.31			-0.05	NEWG	HE	166.0	ES			05:17	39.69			-0.10	NEWG	HE	166.0	IAML			05:17	42.38	2	0.23		NEWG	HN	166.0	IAML			05:17	42.65	2	0.34	
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NEWG	HN	166.0	IAML			05:17	42.65	2	0.34																																																																																																																																																																																																																																																																																																																																																																																																																										
<p>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</p> <table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>CCA1</td><td>HZ</td><td>25.5</td><td>EP</td><td></td><td></td><td>22:33</td><td>40.32</td><td></td><td></td><td>-0.08</td></tr> <tr><td>CCA1</td><td>HE</td><td>25.5</td><td>ES</td><td></td><td></td><td>22:33</td><td>44.15</td><td></td><td></td><td>0.19</td></tr> <tr><td>CCA1</td><td>HN</td><td>25.5</td><td>IAML</td><td></td><td></td><td>22:33</td><td>44.21</td><td>24</td><td>0.10</td><td></td></tr> <tr><td>CCA1</td><td>HE</td><td>25.5</td><td>IAML</td><td></td><td></td><td>22:33</td><td>44.23</td><td>48</td><td>0.14</td><td></td></tr> <tr><td>SBD</td><td>BZ</td><td>81.9</td><td>EP</td><td></td><td></td><td>22:33</td><td>49.03</td><td></td><td></td><td>-0.12</td></tr> <tr><td>SBD</td><td>BN</td><td>81.9</td><td>ES</td><td></td><td></td><td>22:33</td><td>58.66</td><td></td><td></td><td>-0.44</td></tr> <tr><td>SBD</td><td>BE</td><td>81.9</td><td>IAML</td><td></td><td></td><td>22:33</td><td>58.84</td><td>14</td><td>0.35</td><td></td></tr> <tr><td>SBD</td><td>BN</td><td>81.9</td><td>IAML</td><td></td><td></td><td>22:33</td><td>58.87</td><td>10</td><td>0.30</td><td></td></tr> <tr><td>DYA</td><td>HZ</td><td>115.0</td><td>EP</td><td></td><td></td><td>22:33</td><td>54.43</td><td></td><td></td><td>0.07</td></tr> <tr><td>DYA</td><td>HN</td><td>115.0</td><td>ES</td><td></td><td></td><td>22:34</td><td>08.21</td><td></td><td></td><td>0.10</td></tr> <tr><td>DYA</td><td>HN</td><td>115.0</td><td>IAML</td><td></td><td></td><td>22:34</td><td>08.98</td><td>2</td><td>0.22</td><td></td></tr> <tr><td>DYA</td><td>HE</td><td>115.0</td><td>IAML</td><td></td><td></td><td>22:34</td><td>09.97</td><td>3</td><td>0.23</td><td></td></tr> <tr><td>HTL</td><td>HZ</td><td>130.0</td><td>EP</td><td></td><td></td><td>22:33</td><td>56.49</td><td></td><td></td><td>0.04</td></tr> <tr><td>HTL</td><td>HN</td><td>130.0</td><td>ES</td><td></td><td></td><td>22:34</td><td>11.97</td><td></td><td></td><td>0.24</td></tr> <tr><td>HTL</td><td>HE</td><td>130.0</td><td>IAML</td><td></td><td></td><td>22:34</td><td>12.66</td><td>3</td><td>0.15</td><td></td></tr> <tr><td>HTL</td><td>HN</td><td>130.0</td><td>IAML</td><td></td><td></td><td>22:34</td><td>13.77</td><td>4</td><td>0.34</td><td></td></tr> </tbody> </table>	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	HN	130.0	IAML			22:34	13.77	4	0.34		<p>October 1 2015 Time: 22:06 33.8 UTC Magnitude: 0.4 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</p> <table border="0" style="width: 100%;"> <thead> <tr> <th>STAT</th><th>CO</th><th>DIST</th><th>PHAS</th><th>WT</th><th>P</th><th>HrMn</th><th>SECS</th><th>AMPL</th><th>PERI</th><th>RES</th></tr> </thead> <tbody> <tr><td>WLF1</td><td>HZ</td><td>15.9</td><td>EP</td><td></td><td></td><td>22:06</td><td>37.21</td><td></td><td></td><td>0.08</td></tr> <tr><td>WLF1</td><td>HE</td><td>15.9</td><td>ES</td><td></td><td></td><td>22:06</td><td>39.50</td><td></td><td></td><td>-0.03</td></tr> <tr><td>WLF1</td><td>HN</td><td>15.9</td><td>ES</td><td></td><td></td><td>22:06</td><td>39.51</td><td></td><td></td><td>-0.02</td></tr> <tr><td>WLF1</td><td>HN</td><td>15.9</td><td>IAML</td><td></td><td></td><td>22:06</td><td>39.63</td><td>25</td><td>0.06</td><td></td></tr> <tr><td>WLF1</td><td>HE</td><td>15.9</td><td>IAML</td><td></td><td></td><td>22:06</td><td>39.71</td><td>29</td><td>0.18</td><td></td></tr> <tr><td>YRC</td><td>EZ</td><td>20.0</td><td>IP</td><td></td><td>D</td><td>22:06</td><td>37.73</td><td></td><td></td><td>-0.05</td></tr> <tr><td>WME</td><td>EZ</td><td>27.2</td><td>EP</td><td></td><td></td><td>22:06</td><td>38.94</td><td></td><td></td><td>-0.00</td></tr> <tr><td>WPS</td><td>HZ</td><td>29.9</td><td>EP</td><td></td><td></td><td>22:06</td><td>39.36</td><td></td><td></td><td>0.02</td></tr> <tr><td>LLW</td><td>BZ</td><td>55.7</td><td>EP</td><td></td><td></td><td>22:06</td><td>43.50</td><td></td><td></td><td>0.13</td></tr> <tr><td>LLW</td><td>BN</td><td>55.7</td><td>ES</td><td></td><td></td><td>22:06</td><td>50.22</td><td></td><td></td><td>-0.12</td></tr> <tr><td>LLW</td><td>BN</td><td>55.7</td><td>IAML</td><td></td><td></td><td>22:06</td><td>50.41</td><td>1</td><td>0.15</td><td></td></tr> <tr><td>LLW</td><td>BE</td><td>55.7</td><td>IAML</td><td></td><td></td><td>22:06</td><td>50.49</td><td>2</td><td>0.15</td><td></td></tr> </tbody> </table>	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	ES			22:06	39.51			-0.02	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																																																																																									
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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																																																																																																																																																																																																																																																																																																																																																																																																																									
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LLW	BE	55.7	IAML			22:06	50.49	2	0.15																																																																																																																																																																																																																																																																																																																																																																																																																										
<p>September 30 2015 Time: 02:06 44.5 UTC Magnitude: 0.7 ML</p>																																																																																																																																																																																																																																																																																																																																																																																																																																			











## 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														
IOMK	HE	155.0	IAML	14:32	22.59	7	0.19														
FOEL	HZ	156.0	EP	14:32	02.15				-0.64												
FOEL	HE	156.0	ES	14:32	20.01				-0.72												
FOEL	HE	156.0	IAML	14:32	20.27	6	0.22														
FOEL	HN	156.0	IAML	14:32	20.33	6	0.17														
November 3 2015										Time: 06:23 53.6 UTC		Magnitude: 1.1 ML									
				Lat: 51.020N		Lon: -2.605W		Depth: 4.2 km													
				Grid Ref: 357.57 kmE 124.75 kmN		RMS: 0.20 secs															
				Locality: ILCHESTER, SOMERSET																	
				Velocity model: Lownet Xnear: 150.0 Xfar: 300.0																	
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
SWN1	HZ	78.5	EP			06:24	06.96			0.05	LAWE	HZ	43.6	EP			15:47	15.87			0.00
MCH1	HZ	112.0	EP			06:24	12.12			0.00	LAWE	HE	43.6	ES			15:47	21.23			-0.21
MCH1	HE	112.0	ES			06:24	25.44			-0.18	LAWE	HE	43.6	IAML			15:47	21.54	13	0.22	
MCH1	HN	112.0	IAML			06:24	26.21	4	0.17		LAWE	HN	43.6	IAML			15:47	22.19	10	0.19	
MCH1	HE	112.0	IAML			06:24	26.29	5	0.15		CLGH	HZ	113.0	EP			15:47	26.86			0.25
DYA	HZ	114.0	EP			06:24	12.34			-0.09	CLGH	HN	113.0	ES			15:47	39.73			-0.30
DYA	HE	114.0	ES			06:24	25.90			-0.26	CLGH	HN	113.0	IAML			15:47	40.93	4	0.20	
DYA	HN	114.0	IAML			06:24	27.19	4	0.24		CLGH	HE	113.0	IAML			15:47	41.20	2	0.13	
DYA	HE	114.0	IAML			06:24	27.37	4	0.12		INVG	HN	129.0	ES			15:47	44.55			0.30
HTL	HE	132.0	ES			06:24	31.14			0.28	INVG	HN	129.0	IAML			15:47	46.83	4	0.23	
HTL	HE	132.0	IAML			06:24	32.02	3	0.24		INVG	HE	129.0	IAML			15:47	47.00	3	0.14	
HTL	HN	132.0	IAML			06:24	33.42	2	0.17		NEWG	HE	157.0	ES			15:47	51.46			0.20
SBD	BN	155.0	ES			06:24	36.67			0.03	GAL1	HN	160.0	ES			15:47	52.34			0.37
HLM1	HZ	168.0	EP			06:24	20.37			0.04											
HLM1	HN	168.0	ES			06:24	39.74			-0.09											
HLM1	HE	168.0	IAML			06:24	40.85	4	0.16												
HLM1	HN	168.0	IAML			06:24	41.34	3	0.24												
RSBS	HZ	181.0	EP			06:24	22.57			0.52											
RSBS	HN	181.0	ES			06:24	42.60			-0.19											
RSBS	HN	181.0	IAML			06:24	44.38	1	0.14												
RSBS	HE	181.0	IAML			06:24	44.63	3	0.33												
November 3 2015										Time: 07:22 19.9 UTC		Magnitude: 0.6 ML									
				Lat: 55.719N		Lon: -5.501W		Depth: 11.9 km													
				Grid Ref: 180.14 kmE 652.84 kmN		RMS: 0.20 secs															
				Locality: CLACHAN, ARGYLL & BUTE																	
				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
LAWE	HZ	60.5	EP			07:22	30.03			-0.16	LAWE	HZ	28.4	EP			16:43	14.56			0.06
LAWE	HN	60.5	ES			07:22	37.43			-0.27	LAWE	HE	28.4	ES			16:43	18.19			-0.21
LAWE	HE	60.5	IAML			07:22	38.38	1	0.18		LAWE	HN	28.4	IAML			16:43	18.41	5	0.16	
LAWE	HN	60.5	IAML			07:22	38.48	1	0.25		LAWE	HE	28.4	IAML			16:43	19.22	13	0.18	
PGB1	HZ	64.7	EP			07:22	31.01			0.16	PGB1	HZ	60.9	EP			16:43	19.62			0.12
CLGH	HZ	80.7	EP			07:22	33.56			0.23	PGB1	HE	60.9	ES			16:43	26.95			-0.11
CLGH	HN	80.7	ES			07:22	43.11			-0.01	INVG	HZ	96.1	EP			16:43	25.25			0.28
CLGH	HE	80.7	IAML			07:22	46.51	4	0.16		INVG	HE	96.1	ES			16:43	36.39			-0.12
CLGH	HN	80.7	IAML			07:22	46.85	5	0.25		INVG	HN	96.1	IAML			16:43	39.70	6	0.13	
NEWG	HN	105.0	ES			07:22	49.24			-0.21	INVG	HE	96.1	IAML			16:43	40.13	8	0.24	
GAL1	HE	107.0	ES			07:22	49.88			-0.21	CLGH	HZ	112.0	EP			16:43	27.54			0.22
GAL1	HN	107.0	IAML			07:22	50.39	1	0.18		CLGH	HE	112.0	ES			16:43	40.43			-0.15
GAL1	HE	107.0	IAML			07:22	50.57	2	0.34		NEWG	HN	123.0	ES			16:43	43.03			-0.25
INVG	HZ	120.0	EP			07:22	39.57			0.35	NEWG	HE	123.0	IAML			16:43	45.89	5	0.21	
INVG	HN	120.0	ES			07:22	53.61			0.29	NEWG	HN	123.0	IAML			16:43	46.06	4	0.17	
INVG	HN	120.0	IAML			07:22	55.83	2	0.20		ESK	HN	158.0	ES			16:43	52.02			0.17
INVG	HE	120.0	IAML			07:22	56.06	2	0.34												
November 9 2015										Time: 00:02 39.6 UTC		Magnitude: 1.1 ML									
				Lat: 51.075N		Lon: -4.762W		Depth: 20.9 km													
				Grid Ref: 206.54 kmE 134.32 kmN		RMS: 0.20 secs															
				Locality: BRISTOL CHANNEL																	
				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
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	HE	48.2	IAML			03:04	12.91	3	0.11	
											EDI	HN	48.2	IAML			03:04	14.88	6	0.31	
											INVG	HZ	57.5	EP			03:04	06.57			0.06
											INVG	HN	57.5	ES			03:04	13.63			-0.04
											INVG	HE	57.5	IAML			03:04	13.92	3	0.12	
											INVG	HN	57.5	IAML			03:04	16.51	3	0.26	
											ESK	HZ	81.6	EP			03:04	10.22			-0.02
											ESK	HE	81.6	ES			03:04	19.59			-0.54
											ESK	HN	81.6	IAML			03:04	20.27	4	0.14	
											ESK	HE	81.6	IAML			03:04	23.92	3	0.15	













## 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			CCAI	HN	216.0	IAML	05:29	20.81	13	0.34			
EBL	EZ	68.6	EP	23:42	42.29			0.15		CCAI	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													
GAL1	HZ	85.2	EP	23:42	44.76			-0.02		December 15 2015 Time: 12:31 56.4 UTC Magnitude: 1.0 ML										
GAL1	HE	85.2	ES	23:42	54.83			-0.25		Lat: 53.360N Lon: -4.060W Depth: 7.7 km										
GAL1	HE	85.2	IAML	23:42	57.62	8	0.13			Grid Ref: 262.93 kmE 386.80 kmN RMS: 0.30 secs										
GAL1	HN	85.2	IAML	23:42	57.68	20	0.32			Locality: IRISH SEA										
PGB1	HE	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	
										YRC	EZ	36.4	EP			12:32	02.93			0.06
										LLW	BZ	62.7	EP			12:32	07.14			0.18
										LLW	BE	62.7	ES			12:32	14.46			-0.23
										FOEL	HZ	77.8	EP			12:32	09.47			0.11
										FOEL	HE	77.8	ES			12:32	18.44			-0.40
										FOEL	HE	77.8	IAML			12:32	19.33	6	0.42	
										FOEL	HN	77.8	IAML			12:32	20.45	5	0.26	
										IOMK	HZ	106.0	EP			12:32	13.88			0.25
										IOMK	HE	106.0	ES			12:32	25.90			-0.33
										IOMK	HE	106.0	IAML			12:32	27.78	5	0.12	
										IOMK	HN	106.0	IAML			12:32	28.07	12	0.54	
										HLM1	HZ	123.0	EP			12:32	16.92			0.60
										HLM1	HE	123.0	ES			12:32	30.85			-0.03
										HLM1	HE	123.0	IAML			12:32	32.79	3	0.18	
										HLM1	HN	123.0	IAML			12:32	33.70	4	0.14	
										December 18 2015 Time: 13:52 12.9 UTC Magnitude: 1.1 ML										
										Lat: 53.024N Lon: -1.989W Depth: 5.6 km										
										Grid Ref: 400.74 kmE 347.45 kmN RMS: 0.10 secs										
										Locality: KINGSLEY, STAFFORDSHIRE										
										Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										
										STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
										STNC	HZ	16.4	EP			13:52	16.88			0.02
										STNC	HN	16.4	ES			13:52	19.73			-0.02
										STNC	HN	16.4	IAML			13:52	19.92	78	0.28	
										STNC	HE	16.4	IAML			13:52	19.96	67	0.16	
										LBWR	HZ	45.5	EP			13:52	21.10			0.09
										LBWR	HN	45.5	ES			13:52	26.82			-0.11
										LBWR	HN	45.5	IAML			13:52	27.24	9	0.21	
										LBWR	HE	45.5	IAML			13:52	27.39	12	0.13	
										CFW	HZ	55.8	EP			13:52	22.66			0.12
										CFW	HN	55.8	ES			13:52	29.51			-0.08
										CFW	HN	55.8	IAML			13:52	30.08	11	0.22	
										CFW	HE	55.8	IAML			13:52	30.19	9	0.24	
										HLM1	HZ	82.4	EP			13:52	26.59			-0.02
										HLM1	HE	82.4	ES			13:52	36.53			-0.09
										FOEL	HZ	82.8	EP			13:52	26.74			0.08
										December 21 2015 Time: 10:31 07.3 UTC Magnitude: 4.0 ML										
										Lat: 56.968N Lon: 7.006W Depth: 17.5 km										
										Grid Ref: 946.59 kmE 822.41 kmN RMS: 0.50 secs										
										Locality: EASTERN NORTH SEA										
										Velocity model: North Sea Xnear: 700.0 Xfar: 1400.0										
										STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
										BER	HZ	393.0	EP			10:32	00.02			0.16
										BER	HN	393.0	ES			10:32	38.62			0.38
										BER	HE	393.0	IAML			10:32	40.11	49	0.34	
										BER	HN	393.0	IAML			10:32	40.11	36	0.34	
										FOO	HZ	528.0	EP			10:32	16.78			0.14
										GDLE	HZ	567.0	EP			10:32	21.40			-0.17
										GDLE	HE	567.0	ES			10:33	16.26			0.47
										GDLE	HE	567.0	IAML			10:33	21.36	99	0.20	
										GDLE	HN	567.0	IAML			10:33	25.48	139	0.40	
										DRUM	HZ	577.0	EP			10:32	23.60			0.77
										DRUM	HN	577.0	ES			10:33	17.49			-0.49
										DRUM	HE	577.0	IAML			10:33	21.87	116	0.54	
										DRUM	HN	577.0	IAML			10:33	22.69	129	0.56	
										LMK	HN	608.0	ES			10:33	24.70			0.12
										LMK	HE	608.0	IAML			10:33	30.81	109	0.24	
										LMK	HN	608.0	IAML			10:33	31.12	154	0.28	
										EDMD	HZ	609.0	EP			10:32	26.20			-0.51
										EDMD	HN	609.0	IAML			10:33	28.63	118	0.20	

# TABLE 2 : PHASE DATA

<p>EDMD HE 609.0 IAML 10:33 29.53 104 0.24</p> <p>EDU EZ 614.0 EP 10:32 28.17 0.78</p> <p>MCD EZ 622.0 EP 10:32 29.14 0.74</p> <p>WACR HZ 625.0 EP 10:32 28.46 -0.24</p> <p>WACR HE 625.0 ES 10:33 28.48 0.36</p> <p>WACR HE 625.0 IAML 10:33 31.75 59 0.20</p> <p>WACR HN 625.0 IAML 10:33 33.50 58 0.36</p> <p>MOL HZ 625.0 EP 10:32 28.06 -0.67</p> <p>HPK HZ 640.0 EP 10:32 30.43 -0.16</p> <p>HPK HE 640.0 IAML 10:33 36.18 121 0.26</p> <p>HPK HN 640.0 IAML 10:33 36.59 84 0.18</p> <p>ESK HZ 660.0 EP 10:32 32.77 -0.35</p> <p>ESK HN 660.0 IAML 10:33 40.02 37 0.24</p> <p>ESK HE 660.0 IAML 10:33 41.23 32 0.22</p> <p>BIGH HZ 671.0 EP 10:32 34.45 -0.04</p> <p>BIGH HE 671.0 ES 10:33 37.30 -0.85</p> <p>BIGH HN 671.0 IAML 10:33 41.61 76 0.24</p> <p>BIGH HE 671.0 IAML 10:33 43.39 70 0.16</p> <p>INVG HZ 679.0 EP 10:32 36.04 0.59</p> <p>INVG HE 679.0 IAML 10:33 43.93 21 0.32</p> <p>INVG HN 679.0 IAML 10:33 44.37 25 0.22</p> <p>LBWR HZ 682.0 EP 10:32 35.54 -0.36</p> <p>LBWR HN 682.0 IAML 10:33 36.27 112 0.24</p> <p>LBWR HE 682.0 IAML 10:33 44.29 109 0.24</p> <p>NEWG HZ 729.0 EP 10:32 41.95 0.29</p> <p>KAC EZ 744.0 EP 10:32 43.43 -0.15</p> <p>GALL HZ 768.0 EP 10:32 46.05 -0.44</p> <p>MCH1 HZ 851.0 EP 10:32 56.03 -0.77</p> <p>MCH1 HE 851.0 IAML 10:34 21.36 37 0.46</p> <p>MCH1 HN 851.0 IAML 10:34 21.68 28 0.20</p>	<p>KPL HE 65.7 IAML 05:15 23.26 10 0.23</p> <p>KPL HN 65.7 IAML 05:15 23.41 8 0.19</p> <p>MDO EZ 70.9 EP 05:15 15.31 -0.11</p> <p>EDU EZ 125.0 EP 05:15 23.63 -0.13</p> <p>DRUM HZ 150.0 EP 05:15 27.79 0.33</p> <p>DRUM HN 150.0 ES 05:15 45.59 0.29</p> <p>DRUM HE 150.0 IAML 05:15 47.00 7 0.20</p> <p>DRUM HN 150.0 IAML 05:15 50.32 11 0.09</p> <p>EDI HZ 153.0 EP 05:15 27.57 -0.29</p>
<p>December 26 2015 Time: 22:11 10.7 UTC Magnitude: 1.1 ML</p> <p>Lat: 51.908N Lon: -4.088W Depth: 7.4 km</p> <p>Grid Ref: 256.39 kmE 225.38 kmN RMS: 0.60 secs</p> <p>Locality: LLANFYNDYDD,CARMARTHYS</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p>	
<p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES</p> <p>RSBS HZ 45.4 EP 22:11 18.51 -0.11</p> <p>RSBS HN 45.4 ES 22:11 23.95 -0.47</p> <p>RSBS HN 45.4 IAML 22:11 24.75 26 0.18</p> <p>RSBS HE 45.4 IAML 22:11 24.81 19 0.08</p> <p>MCH1 HZ 75.6 EP 22:11 23.31 0.04</p> <p>MCH1 HE 75.6 ES 22:11 31.78 -0.70</p> <p>MCH1 HE 75.6 IAML 22:11 31.98 9 0.09</p> <p>MCH1 HN 75.6 IAML 22:11 33.35 3 0.18</p> <p>HTL HZ 105.0 EP 22:11 28.43 0.56</p> <p>HLM1 HZ 107.0 EP 22:11 28.14 -0.03</p> <p>HLM1 HE 107.0 ES 22:11 40.93 -0.01</p> <p>HLM1 HN 107.0 IAML 22:11 44.27 5 0.13</p> <p>HLM1 HE 107.0 IAML 22:11 44.51 6 0.14</p> <p>FOEL HZ 125.0 EP 22:11 32.30 1.36</p>	<p>December 27 2015 Time: 11:08 47.3 UTC Magnitude: 0.8 ML</p> <p>Lat: 51.662N Lon: -3.202W Depth: 9.3 km</p> <p>Grid Ref: 316.87 kmE 196.65 kmN RMS: 0.10 secs</p> <p>Locality: BLACKWOOD,CAERPHILLY</p> <p>Velocity model: Mid Wales Xnear: 150.0 Xfar: 200.0</p> <p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES</p> <p>MCH1 HZ 39.9 EP 11:08 54.15 -0.15</p> <p>MCH1 HE 39.9 ES 11:08 59.51 0.16</p> <p>MCH1 HN 39.9 IAML 11:08 59.64 15 0.12</p> <p>MCH1 HE 39.9 IAML 11:08 59.68 17 0.15</p> <p>HLM1 HE 97.8 ES 11:09 15.47 -0.03</p> <p>HLM1 HE 97.8 IAML 11:09 19.69 2 0.28</p> <p>HLM1 HN 97.8 IAML 11:09 19.90 3 0.24</p> <p>RSBS HZ 111.0 EP 11:09 05.69 0.01</p> <p>DYA HZ 146.0 EP 11:09 10.75 -0.11</p> <p>DYA HN 146.0 ES 11:09 27.96 0.12</p> <p>DYA HN 146.0 IAML 11:09 29.13 2 0.38</p> <p>DYA HE 146.0 IAML 11:09 31.22 2 0.32</p>
<p>December 24 2015 Time: 01:59 47.6 UTC Magnitude: 1.5 ML</p> <p>Lat: 52.805N Lon: -3.823W Depth: 13.5 km</p> <p>Grid Ref: 277.12 kmE 324.64 kmN RMS: 0.10 secs</p> <p>Locality: LLANFACHRETH,GWYNEDD</p> <p>Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0</p> <p>Comment: FELT UPPER CORRIS Intensity: 2</p>	
<p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES</p> <p>FOEL HN 43.0 ES 02:00 00.98 0.02</p> <p>FOEL HE 43.0 IAML 02:00 01.79 31 0.27</p> <p>FOEL HN 43.0 IAML 02:00 01.90 31 0.33</p> <p>YLL EZ 44.0 EP 01:59 55.44 0.01</p> <p>WLF1 HZ 66.2 EP 01:59 58.90 0.08</p> <p>WLF1 HN 66.2 ES 02:00 06.69 -0.28</p> <p>WLF1 HN 66.2 IAML 02:00 06.99 59 0.22</p> <p>WLF1 HE 66.2 IAML 02:00 07.00 51 0.22</p> <p>HLM1 HZ 71.3 EP 01:59 59.78 0.11</p> <p>HLM1 HN 71.3 ES 02:00 08.31 -0.14</p> <p>HLM1 HN 71.3 IAML 02:00 09.19 11 0.16</p> <p>HLM1 HE 71.3 IAML 02:00 09.36 10 0.14</p> <p>WME EZ 73.3 EP 02:00 00.08 0.15</p> <p>WPS HZ 80.3 EP 02:00 01.18 0.20</p> <p>WPS HE 80.3 ES 02:00 10.63 -0.08</p> <p>WPS HN 80.3 IAML 02:00 11.10 27 0.28</p> <p>WPS HE 80.3 IAML 02:00 11.49 26 0.62</p> <p>MCH1 HZ 106.0 EP 02:00 04.74 -0.07</p> <p>MCH1 HN 106.0 IAML 02:00 17.15 18 0.19</p>	<p>December 27 2015 Time: 14:33 52.7 UTC Magnitude: 1.7 ML</p> <p>Lat: 51.666N Lon: -3.179W Depth: 11.2 km</p> <p>Grid Ref: 318.47 kmE 197.07 kmN RMS: 0.30 secs</p> <p>Locality: BLACKWOOD,CAERPHILLY</p> <p>Velocity model: Mid Wales Xnear: 100.0 Xfar: 200.0</p> <p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES</p> <p>MCH1 HZ 38.9 EP 14:33 59.47 -0.18</p> <p>MCH1 HN 38.9 ES 14:34 04.79 0.16</p> <p>MCH1 HE 38.9 IAML 14:34 05.10 153 0.14</p> <p>MCH1 HN 38.9 IAML 14:34 05.37 158 0.19</p> <p>HLM1 HZ 97.0 EP 14:34 08.92 0.03</p> <p>HLM1 HE 97.0 ES 14:34 20.31 -0.20</p> <p>HLM1 HN 97.0 IAML 14:34 25.15 18 0.29</p> <p>HLM1 HE 97.0 IAML 14:34 25.20 24 0.20</p> <p>RSBS HZ 113.0 EP 14:34 11.12 -0.09</p> <p>RSBS HN 113.0 ES 14:34 24.58 0.07</p> <p>RSBS HE 113.0 IAML 14:34 29.81 24 0.10</p> <p>RSBS HN 113.0 IAML 14:34 30.55 22 0.19</p> <p>HTL HZ 118.0 IP C 14:34 12.22 0.26</p> <p>HTL HE 118.0 ES 14:34 25.73 -0.07</p> <p>HTL HN 118.0 IAML 14:34 28.27 15 0.19</p> <p>HTL HE 118.0 IAML 14:34 29.43 14 0.10</p> <p>LLW BZ 136.0 EP 14:34 14.85 0.16</p> <p>DYA HZ 147.0 IP C 14:34 16.09 -0.25</p> <p>DYA HE 147.0 EP 14:34 16.21 -0.13</p> <p>SBD BZ 162.0 EP 14:34 18.38 0.02</p> <p>CWF HZ 175.0 EP 14:34 20.59 0.56</p> <p>CWF HN 175.0 ES 14:34 41.08 1.39</p> <p>WLF1 HZ 199.0 EP 14:34 23.41 0.43</p>
<p>December 24 2015 Time: 22:52 11.8 UTC Magnitude: 0.5 ML</p> <p>Lat: 54.768N Lon: -3.233W Depth: 5.2 km</p> <p>Grid Ref: 320.68 kmE 542.16 kmN RMS: 0.10 secs</p> <p>Locality: WIGTON,CUMBRIA</p> <p>Velocity model: Lownet Xnear: 100.0 Xfar: 200.0</p> <p>Comment: 7KM SW WIGTON</p>	
<p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES</p> <p>KESW HZ 21.6 IP D 22:52 15.94 -0.05</p> <p>KESW HE 21.6 ES 22:52 18.98 -0.08</p> <p>KESW HN 21.6 IAML 22:52 19.04 6 0.14</p> <p>KESW HE 21.6 IAML 22:52 19.12 6 0.13</p> <p>ESK HZ 61.1 EP 22:52 22.38 0.07</p> <p>ESK HN 61.1 ES 22:52 29.86 -0.13</p> <p>NEWG HZ 74.8 ES 22:52 33.57 -0.06</p> <p>NEWG HZ 74.8 IAML 22:52 33.87 3 0.25</p> <p>NEWG HN 74.8 IAML 22:52 33.92 2 0.22</p> <p>EDMD HZ 82.0 EP 22:52 25.55 0.04</p> <p>EDMD HN 82.0 ES 22:52 35.55 0.03</p> <p>EDMD HN 82.0 IAML 22:52 36.33 5 0.15</p> <p>EDMD HE 82.0 IAML 22:52 37.59 7 0.22</p> <p>GALL HZ 95.7 EP 22:52 27.95 0.31</p> <p>GALL HE 95.7 ES 22:52 39.09 -0.12</p>	<p>December 27 2015 Time: 21:54 49.0 UTC Magnitude: 1.8 ML</p> <p>Lat: 51.661N Lon: -3.183W Depth: 9.0 km</p> <p>Grid Ref: 318.18 kmE 196.52 kmN RMS: 0.20 secs</p> <p>Locality: BLACKWOOD,CAERPHILLY</p> <p>Velocity model: Mid Wales Xnear: 100.0 Xfar: 200.0</p> <p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES</p> <p>MCH1 HZ 39.5 EP 21:54 55.77 -0.16</p> <p>MCH1 HE 39.5 ES 21:55 01.21 0.29</p> <p>MCH1 HN 39.5 IAML 21:55 01.44 183 0.12</p>



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	EDMUNDBYERS	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
LAW	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**

<b>Structural area</b>	<b>Depth to top of layer (km)</b>	<b>P-wave velocity (km/sec)</b>	<b>Vp/Vs</b>
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**

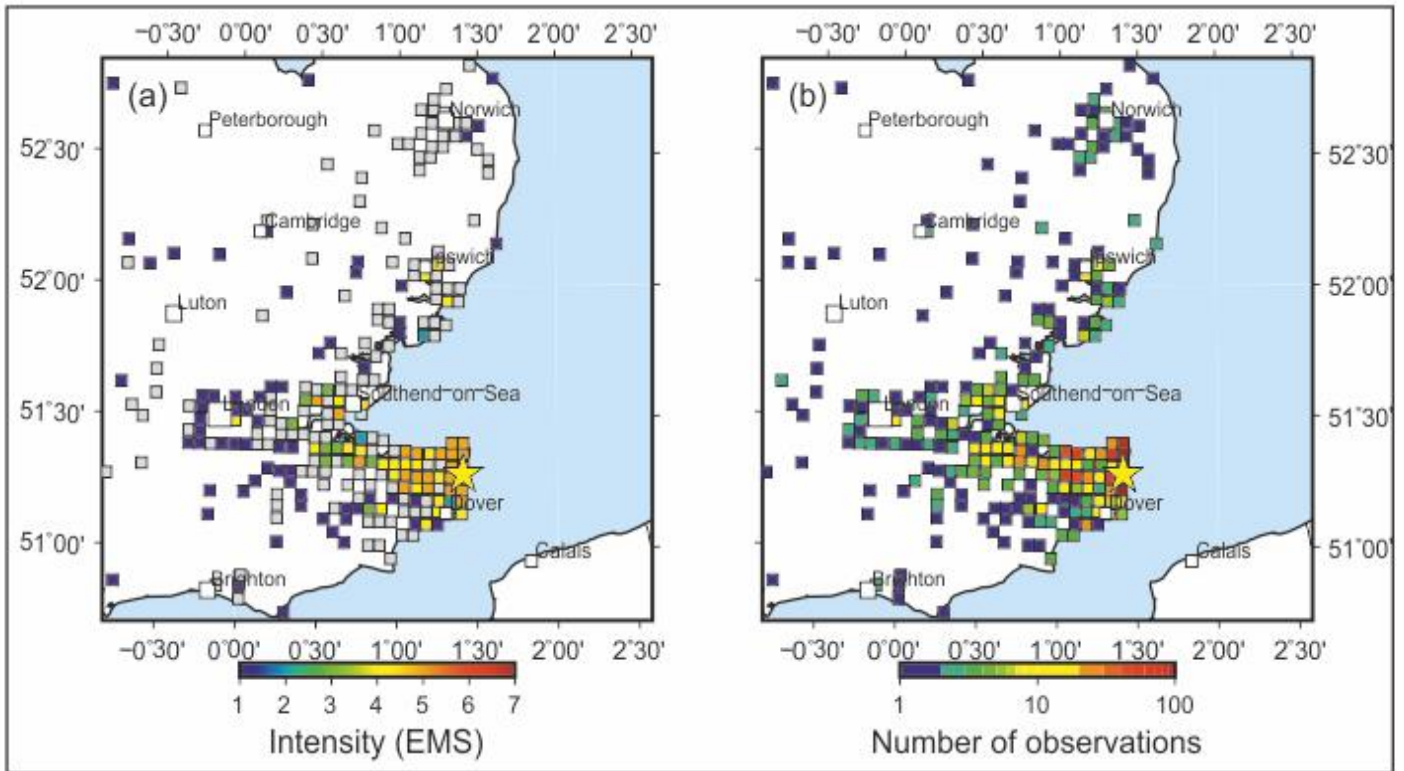
Most ordinary buildings collapse.

### 12 - **Completely devastating**

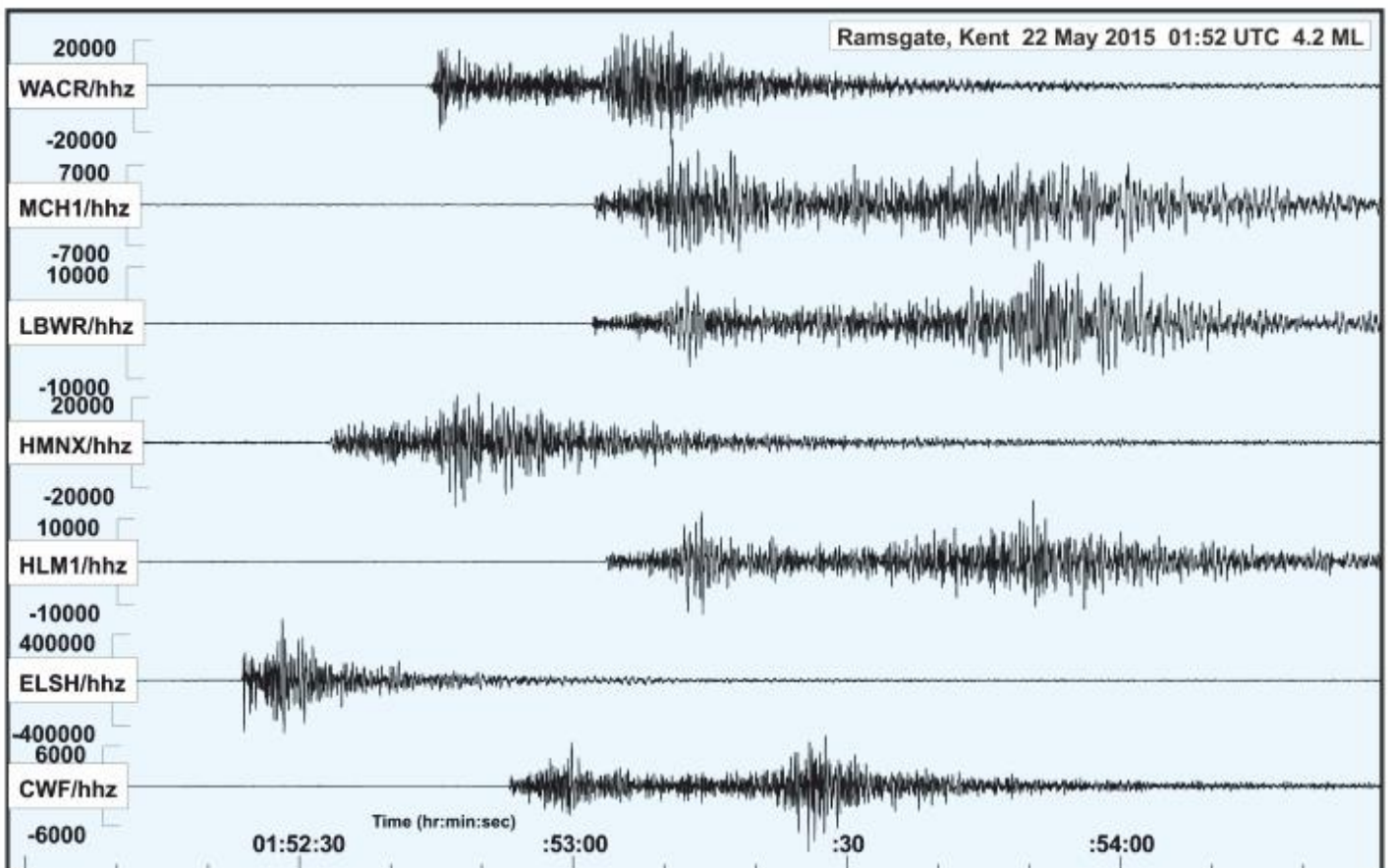
Practically all structures above and below ground are heavily damaged or destroyed.

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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.