

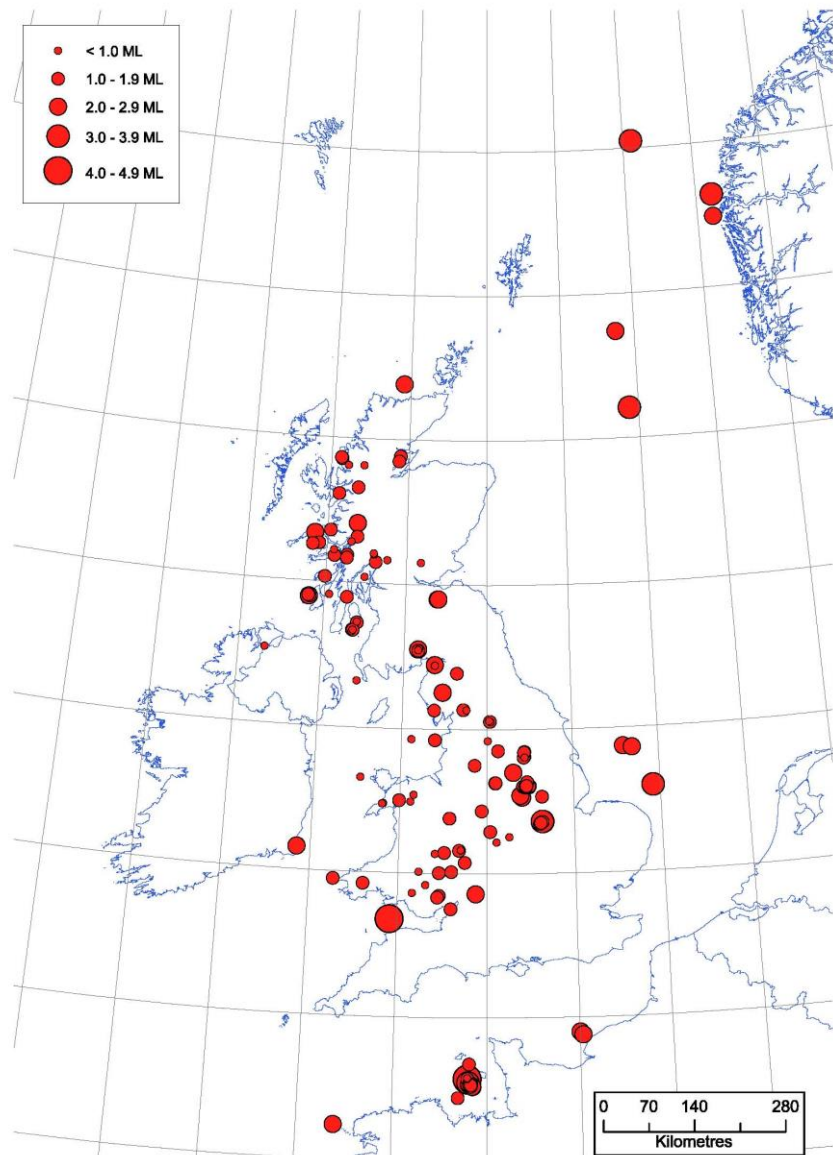
BRITISH GEOLOGICAL SURVEY

REPORT OR/16/011

Bulletin of British Earthquakes 2014

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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 2014, listed in Tables 1 and 2. Maps showing seismic activity in 2014 (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 or by their signature on a microphone, but they are frequently mistaken as small earthquakes by the public. They are indicated by 'SONIC' in both the locality and comments column of Table 1.

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

2 The BGS UK Seismograph Network

The UK seismograph network consists of just over 100 stations with broadband, short period and/or strong motion accelerometers. Some 42 sites are equipped with broadband seismometers and 29 have strong motion accelerometers, 22 of which are co-located with broadband sensors. The remaining sites are equipped with short period seismometers. Data from nearly all stations are transferred in near real-time to the BGS offices in Edinburgh for automatic processing, analysis and archival. Seismic events are detected using automatic processing algorithms, but can also be extracted manually from our 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 2014. 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 2014. The data set is considered complete for these magnitudes in all localities onshore. Seismicity for the period 1970 to 2014 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).

4 Summary of 2014 Seismicity

There were 441 earthquakes located by the BGS seismic monitoring network during the year, with 47 having magnitudes of 2.0 ML or greater, nine having magnitudes of 3.0 ML or greater and two having magnitudes of 4.0 ML or greater. Some 31 events with a magnitude of 2.0 ML or greater were reported felt, together with a further 71 smaller ones, bringing the total to 102 felt earthquakes in 2014.

The largest offshore earthquake of the year, with a magnitude of 4.3 ML, occurred on 11 July at 11:54 UTC and located approximately 15 km west of Jersey, Channel Islands (Figure 5). The BGS received around 140 felt reports from members of the public via an automatic online questionnaire survey. The majority of the reports came from the Channel Islands (Jersey and Guernsey), a few came from mainland France, one came from Torquay, Devon and another came from Poole, Dorset. Reports described “windows and doors rattled”, “we thought a plane had crashed nearby”, “everyone in the office and people in surrounding shops noticed it”, “it was sudden like a large impact” and “a loud bang and rumble, enough to make you jump and to go outside to see what had happened”, indicating an intensity of at least 4 EMS. A further 24 events, of which seven were reported felt, occurred in the same general region during the year. The largest of these, with a magnitude of 3.3 ML, occurred on 23 July at 16:26 UTC and was reported felt by several residents in Jersey and in Guernsey. These events locate approximately 37 km west of a magnitude 5.2 ML earthquake (12 April 1933) and 20 km west of a magnitude 3.5 ML earthquake (30 April 1990), which were both felt throughout the Channel Islands with a maximum intensity of 5 EMS.

On 16 October at 22:43 UTC, an earthquake with a magnitude of 3.9 ML, occurred in the Northern North Sea (Figure 6). It was located approximately 280 km northeast of Lerwick, Shetland Islands. A further seven events occurred in the North Sea and surrounding waters during the year. The largest of these, with a magnitude of 3.4 ML, occurred on 2 May and was located approximately 45 km NE of Cromer, Norfolk (Figure 7). No North Sea earthquakes were reported felt.

The largest onshore earthquake of the year, with a magnitude of 3.5 ML, occurred on 18 April at 06:50 UTC and located approximately 5 km NNW of Oakham, Rutland and 11 km ESE of Melton Mowbray, Leicestershire (Figure 8). The focal mechanism (Figure 9) 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. Data from 749 questionnaires (Figure 10), collected online, were used to determine how widely the earthquake was felt. Analysis of these 749 felt reports received from members of the public shows that most of them came from within a 30 km radius of the epicentre, particularly from Oakham, Melton Mowbray, Leicester, Stamford, Grantham and Corby and their surrounding hamlets. Several other reports were received from beyond this area with the furthest afield being from the Loughborough, Kettering, Wellingborough and Peterborough areas. Reports received described “glasses in sideboard rattled”, “metal patio chairs moved away from the table”, “deep rumblings with a very loud bang, then more rumbling”, “water in dog bowl rippled” and “outside wall I was leaning on trembled”. Almost 24 hours earlier, at 06:07 UTC on 17 April, a magnitude 3.2 ML earthquake occurred in the same vicinity. Some 638 felt reports (Figure 11) were received, with similar effects and from a similar area, as a result of the 3.2 ML earthquake. These were the largest earthquakes to have occurred in the region since

the magnitude 4.1 ML Melton Mowbray earthquake of 28 October 2001. Both earthquakes were assigned an intensity of 4 EMS.

On 20 February, at 13:21 UTC, a magnitude 4.1 ML earthquake occurred in the Bristol Channel, approximately 18 km NNW of Ilfracombe, Devon and 33 km SSW of Swansea, Wales (Figure 12). The focal mechanism (Figure 13) obtained for this event shows strike slip faulting, with either right lateral slip on near vertical fault that strikes approximately east-west, or left lateral slip on a near vertical fault that strikes approximately north-south. The felt area of this event was derived from over 370 reports received from an online questionnaire survey (Figure 14). Almost all the reports came from within a distance of up to 100 km from the epicentre, namely from Devon, Somerset, Gloucestershire, Glamorganshire and Monmouthshire. A few reports were received from around Cheltenham, Swindon and Guilford (between 150 and 250 km to the east of the epicentre). Single reports were also received from near Telford (185 km to the north) and Rhyl (220 km to the northeast). Most people described the shaking strength of the earthquake to be either weak or moderate, with mainly a trembling effect, whilst others described the effect as swaying or jerky. Around half of the reports described the sound strength as being faint or moderate. Typical reports described, “felt like the vibration of a lorry passing”, “pots on balcony rattled”, “the whole house seemed to move”, “windows and glass cabinet shook” and “water in bottled swayed from side to side”, indicating a maximum intensity of 5 EMS. This is the largest earthquake to have occurred in the region since the magnitude 3.6 ML Hartland Point event on 31 May 2001.

A magnitude 2.2 ML earthquake occurred at 20:45 UTC on 18 March, with an offshore location approximately 11 km ESE of Wexford and 8 km NNE of Rosslare Harbour, County Wexford, Ireland. The BGS received several reports, via the Donegal Weather Channel and from residents in Wexford, Bloomfield, Kilmuckridge, Blackwater, Enniscorthy and Killinick that typically described “a loud rumble”, “felt vibrations through the walls”, “the house creaked” and “thought it was thunder”, 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 ten events located within a 50 km radius of this event.

An earthquake with a magnitude of 2.3 ML occurred at 06:30 UTC on 3 April, near the market town of Stroud, Gloucestershire. Only two felt reports were received for this event and both were from residents in Stroud who described, “the fabric of the house creaked” and “our radiators rattled”, indicating an intensity of 2 EMS.

On 18 June at 08:44 UTC, an earthquake with a magnitude of 2.8 ML, occurred near Rotherham, South Yorkshire. The BGS received several reports from residents of Rotherham, Doncaster, Barnsley, Wakefield and Sheffield which described, “felt like a heavy vehicle had hit the house”, “felt a general shudder of the floor through the sofa” and “no real sway, more like a thud”, indicating an intensity of 3 EMS.

Two earthquakes, within a minute of each other (46 seconds), were detected on 20 June on the island of Islay, Argyll and Bute. They occurred at 16:01:02s and 16:01:48s UTC with magnitudes of 1.7 and 2.5 ML, respectively. Both were reported felt by several residents on the island from the hamlets of Bowmore, Bruichladdich, Bridgend, Glenegedale, Portnahaven and Ballygrant. Reports described, “more than one boom heard”, “all the windows rattled, twice” and “first not as strong as second”. Intensities of 3 EMS were assigned for both events.

On 3 July (18:36 UTC), a magnitude 2.9 ML earthquake occurred near Fort William, Highland, approximately 3 km ENE of a similar sized, magnitude 3.0 ML earthquake that occurred on 10 December 2005. The BGS received many reports from residents in Fort William and the surrounding area who felt the earthquake. A macroseismic survey was launched on the BGS website and some 220 reports were received (Figure 15), with almost all of them coming from within a 20 km radius of the epicentre. Reports described, “sounded like an explosion”, “loud rumble followed by a sound like thunder”, “whole caravan shook but nothing was disturbed”,

“crockery rattled” and “vibration through floor and audible rumble”. An intensity of 3 EMS was assigned for the event.

A magnitude 2.4 ML earthquake occurred at 07:14 UTC on 31 August, with an offshore location approximately 6 km southwest of Ardnamurchan peninsula, Highland. Reports were received from the coastal communities of Kilchoan and Glenborrodale on the peninsula, which described “sounded like something had hit the roof” and “it was like a combination of some explosive noise and some rumbling, which woke us both up”, indicating an intensity of at least 3 EMS.

On 28 October and 9 December, two earthquakes with magnitudes of 2.6 and 2.1 ML, respectively, were detected in the Mansfield, Nottinghamshire area. The 28 October event occurred at 19:16 UTC, approximately 9 km south of Mansfield and almost 270 reports were received, via an automatic online questionnaire, from members of the public who felt it. Almost all the reports were from within a 15 km radius of the epicentre and typically described, “huge boom and the house shook”, “was like the rumble of thunder”, “thought a car had crashed into the house” and “settee moved while I was sitting on it”, indicating an intensity of at least 3 EMS. The 9 December event occurred at 07:31 UTC, approximately 7 km SSW of Mansfield and was reported felt in Annesley, Kirkby in Ashfield and Ravenshead, Nottinghamshire. These events locate in the same general area as the magnitude 4.2 ML Mansfield earthquake on 17 March 1816, which caused damage to many chimneys in Mansfield and around 10 km east of the magnitude 4.7 ML Derby earthquake on 18 November 1795, which caused damage in the epicentral area.

Two earthquakes, with magnitudes of 2.2 and 2.0 ML, occurred in the Penicuik area of Midlothian on 13 November and 3 December, respectively. The BGS received several reports, for both events, from residents in the area that described, “a weak trembling”, “the effect was like someone jumping on the roof”, “sounded like an explosion outside” and “loud bang and floor and house shook” indicating an intensities of at least 3 EMS. These are the largest events in the region since two magnitude 2.3 ML earthquakes on 30 November and 9 December 2007, which were both felt in the Penicuik area, with intensities of 3 EMS.

Near Dumfries, Dumfries and Galloway, an earthquake with a magnitude of 2.6 ML, occurred at 11:23 UTC on 14 November. The BGS received over 60 reports from residents in the Dumfries area, mainly from within 15 km of the epicentre, which described “loud bang heard accompanied with the whole building shaking”, “the house felt like it had somehow jumped slightly”, “we thought truck had hit the house” and “felt a vibration through my feet”, indicating an intensity of at least 3 EMS. A further two events were detected in the region during the year, both on 16 April, at 18:26 and 19:21 UTC, with magnitudes of 1.4 and 0.7 ML, respectively. Both were reported felt by a couple of residents in the village of Lochfoot. These earthquakes locate in the same region as the magnitude 3.5 ML Dumfries earthquake of 26 December 1979, which was felt over an area of around 3,600 km² with a maximum intensity of 5 EMS.

On 24 December at 08:21 UTC, a magnitude 2.0 ML earthquake occurred near Grasmere, Cumbria. Reports were received from Grasmere, Ambleside and Great Langdale describing, “like a large lorry rumbling up the road”, “windows all rattled” and “the whole building seemed to shake”, indicating an intensity of 3 EMS. Historically, the largest events to have occurred in this area were the magnitude 3.1 ML Grasmere earthquakes on 30 June 1885 and 16 May 1911, which were both felt throughout Cumbria with maximum intensities of 5 EMS.

The coalfield areas of Nottinghamshire and Yorkshire continued to experience shallow earthquake activity that is believed to be mining induced. Some 297 coalfield events, with magnitudes ranging between 0.1 and 2.1 ML, were detected during the year. Of these 297 events, 292 were located in the New Ollerton area of Nottinghamshire, between 3 January and 30 October and with magnitudes ranging between 0.2 and 2.1 ML. Some 65 of these events were reported felt to the BGS with intensities of at least 3 EMS. The two largest events, both with magnitudes of 2.1 ML, occurred on 11 March at 11:37 UTC (Figure 16) and 19 March at 19:34 UTC and were both reported felt. These events are a continuation of the earthquake sequence that started in and around New Ollerton in mid-December 2013. The other five coalfield events detected during the year occurred in

Yorkshire. Two occurred near the village of Hensall, North Yorkshire and were both reported felt by local residents and three occurred near the town of Askern, South Yorkshire.

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NORSAR (Oslo, Norway)
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Figure 1. Epicentre map of earthquakes in 2014 as listed in Table 1.

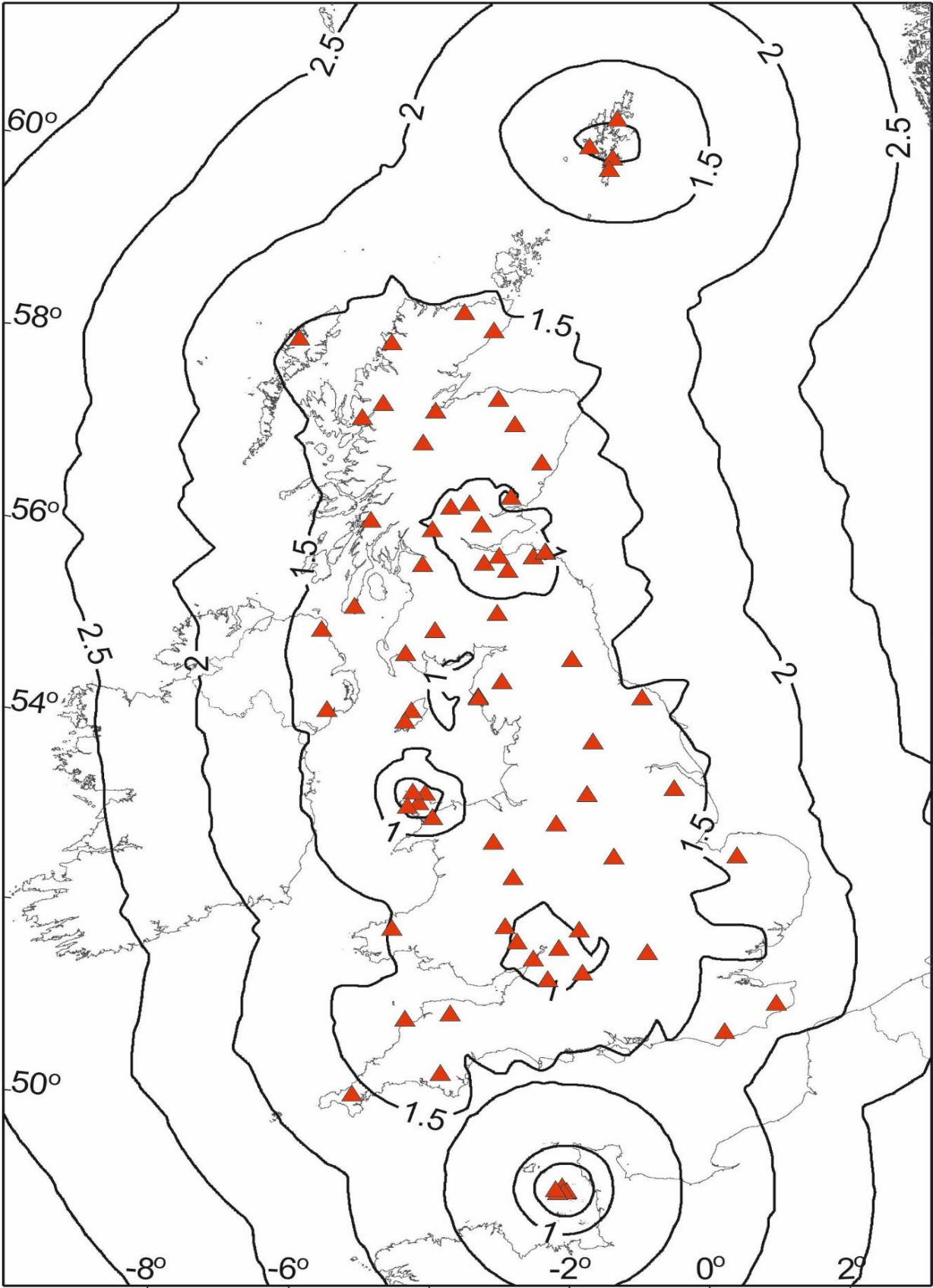


Figure 2. Seismograph stations operated by BGS during 2014 (red). The contours show earthquake detection capability in terms of Richter local magnitude (ML) calculated for average background noise conditions (4nm) where the detection criterion is that the signal has to exceed 4nm at 10Hz at 4 stations.



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Figure 4. Epicentres of earthquakes with magnitudes of 3.5 ML and above, in the period 1970 – 2014.

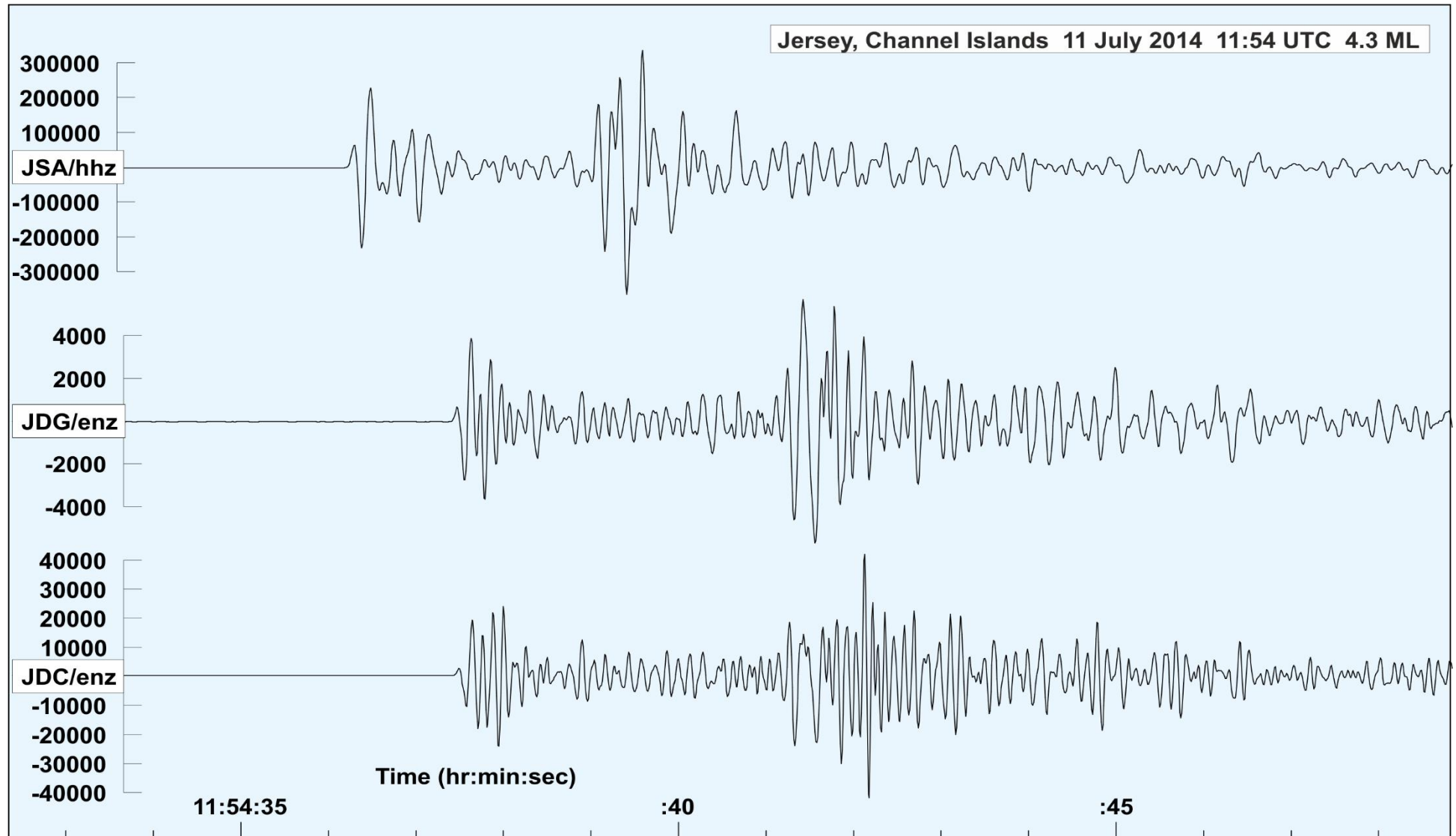


Figure 5. Seismograms of the ground displacement from the magnitude 4.3 ML Jersey, Channel Islands earthquake, 11 July 2014, recorded by BGS seismograph stations.

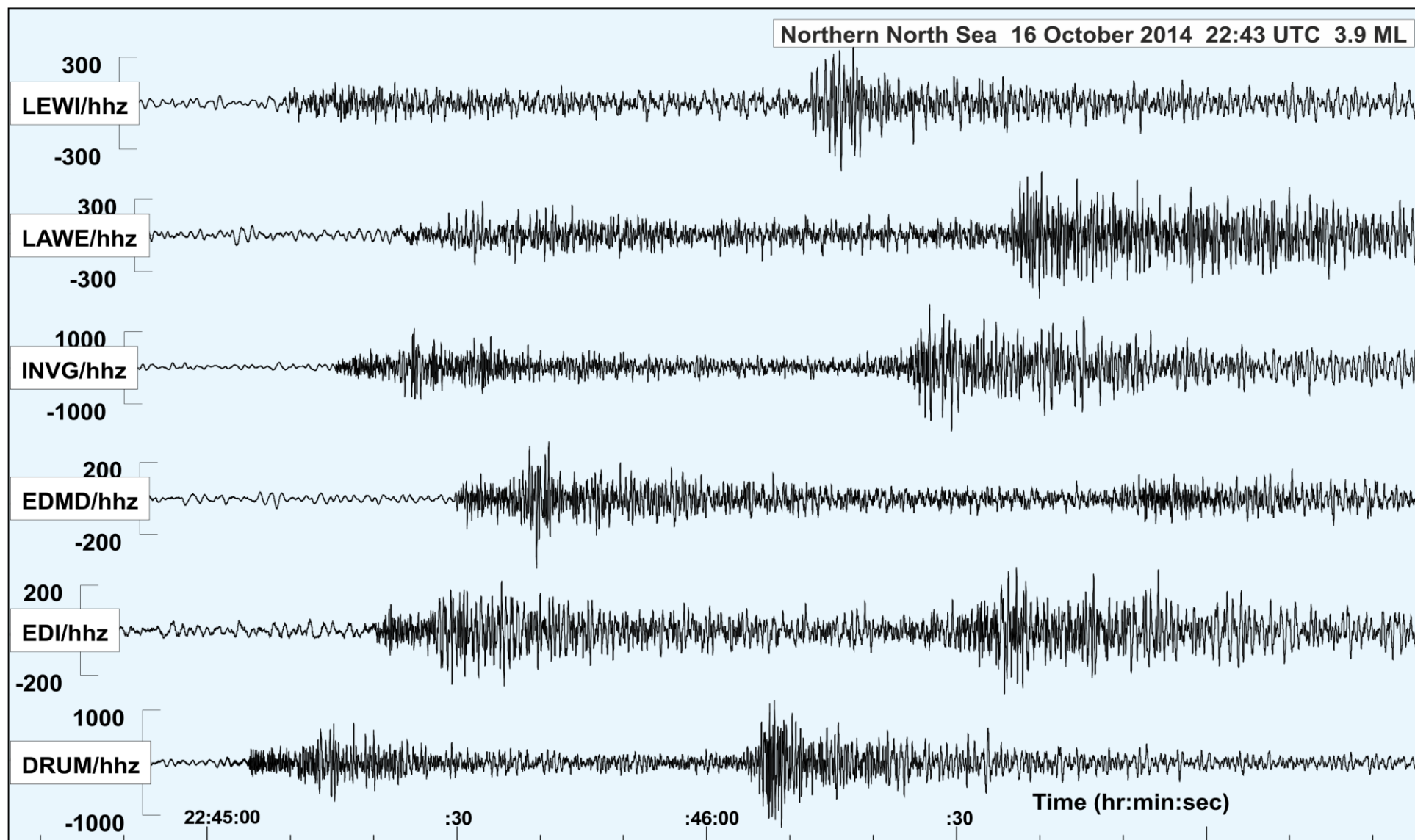


Figure 6. Seismograms of the ground displacement from the magnitude 3.9 ML Northern North Sea earthquake, 16 October 2014, recorded by BGS seismograph stations.

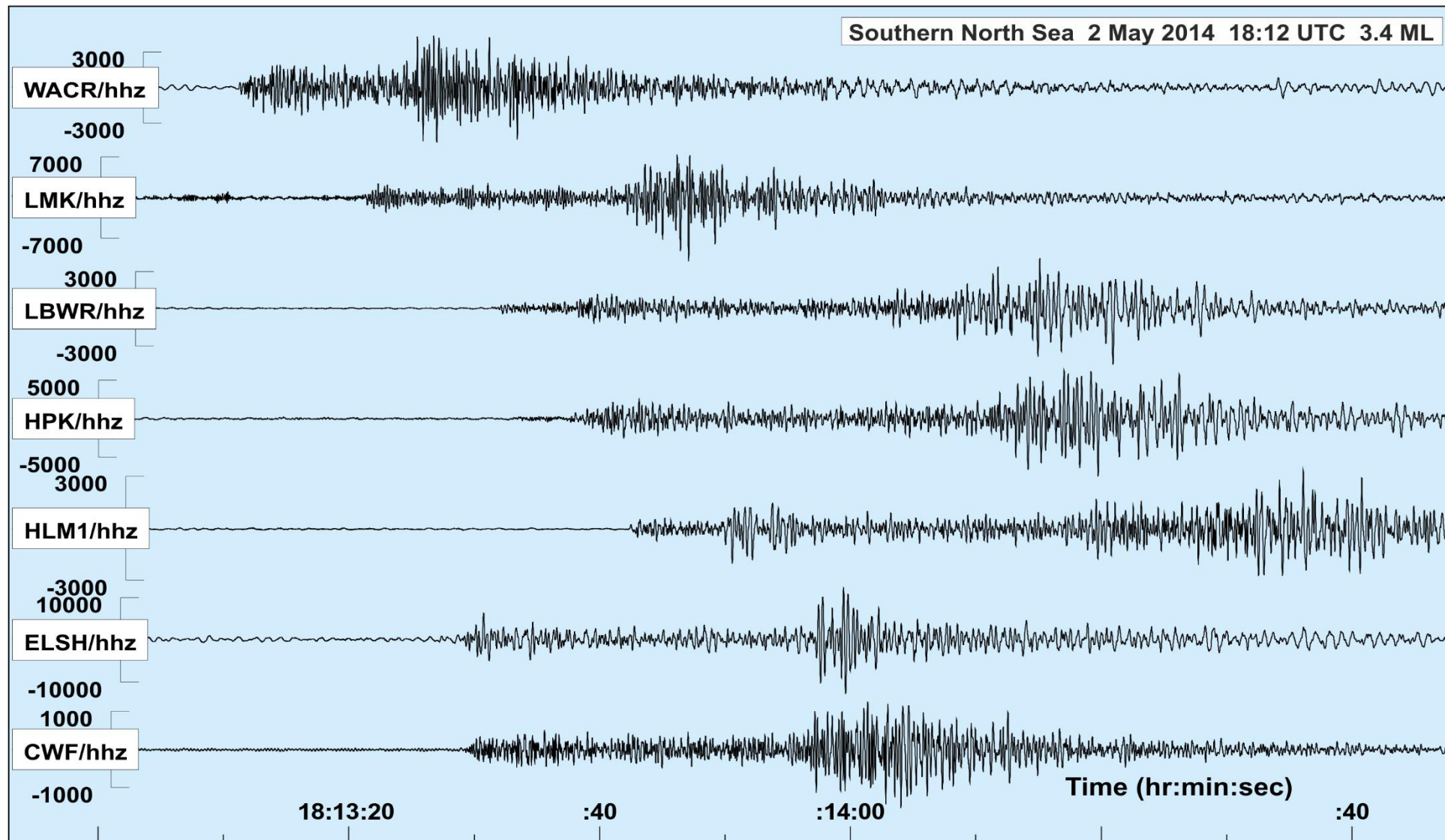


Figure 7. Seismograms of the ground displacement from the magnitude 3.4 ML Southern North Sea earthquake, 2 May 2014, recorded by BGS seismograph stations.

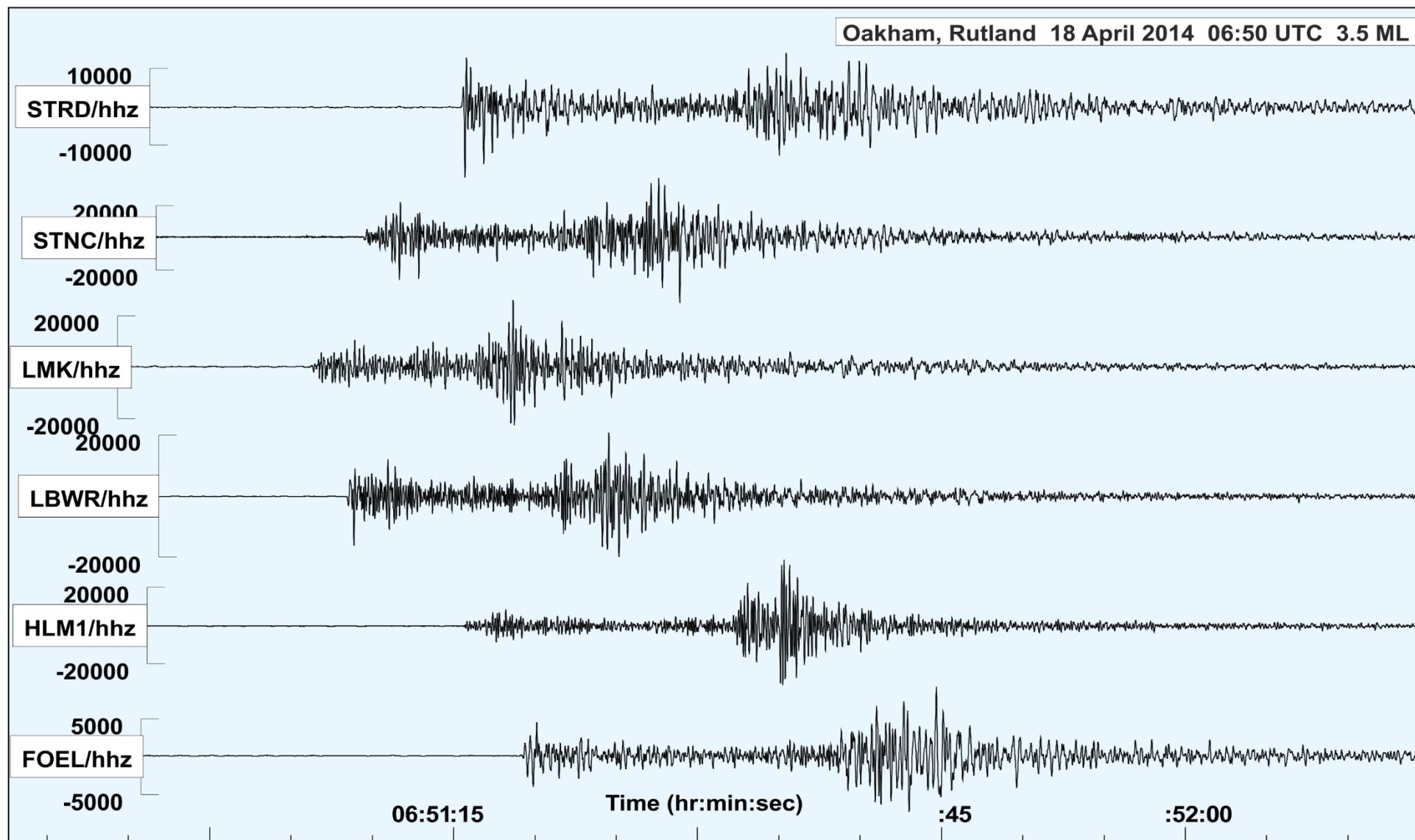


Figure 8. Seismograms of the ground displacement from the magnitude 3.5 ML Oakham, Rutland earthquake, 18 April 2014, recorded by BGS seismograph stations.

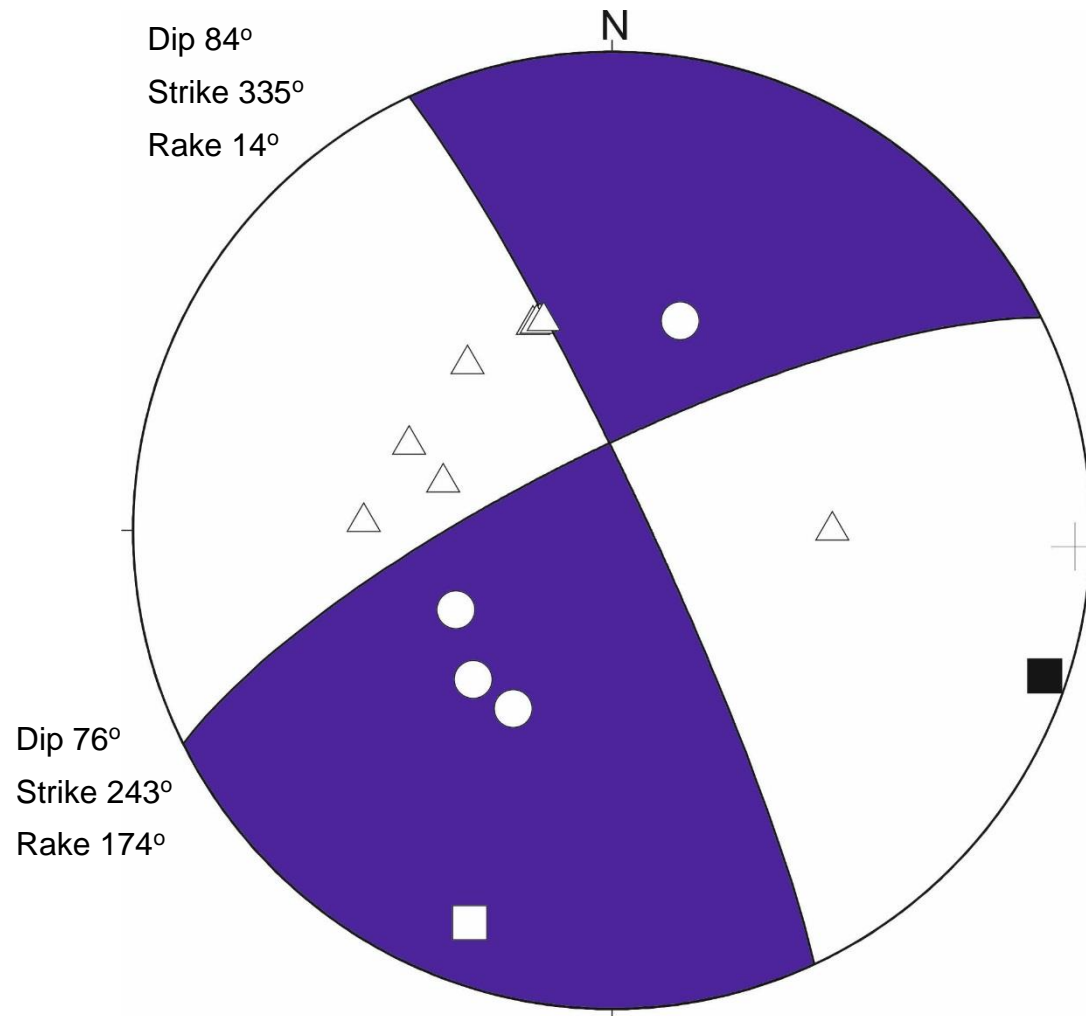


Figure 9. Lower hemisphere, equal projection of the focal mechanism for the Oakham earthquake on 18 April 2014. The blue shaded areas show areas of compressed first motion. The white circles and triangles show measured compressional and dilatational first motions, respectively. The black and white squares show the orientations of the axes of maximum (P) and minimum (T) compression, respectively (Snoke et al., 1984)

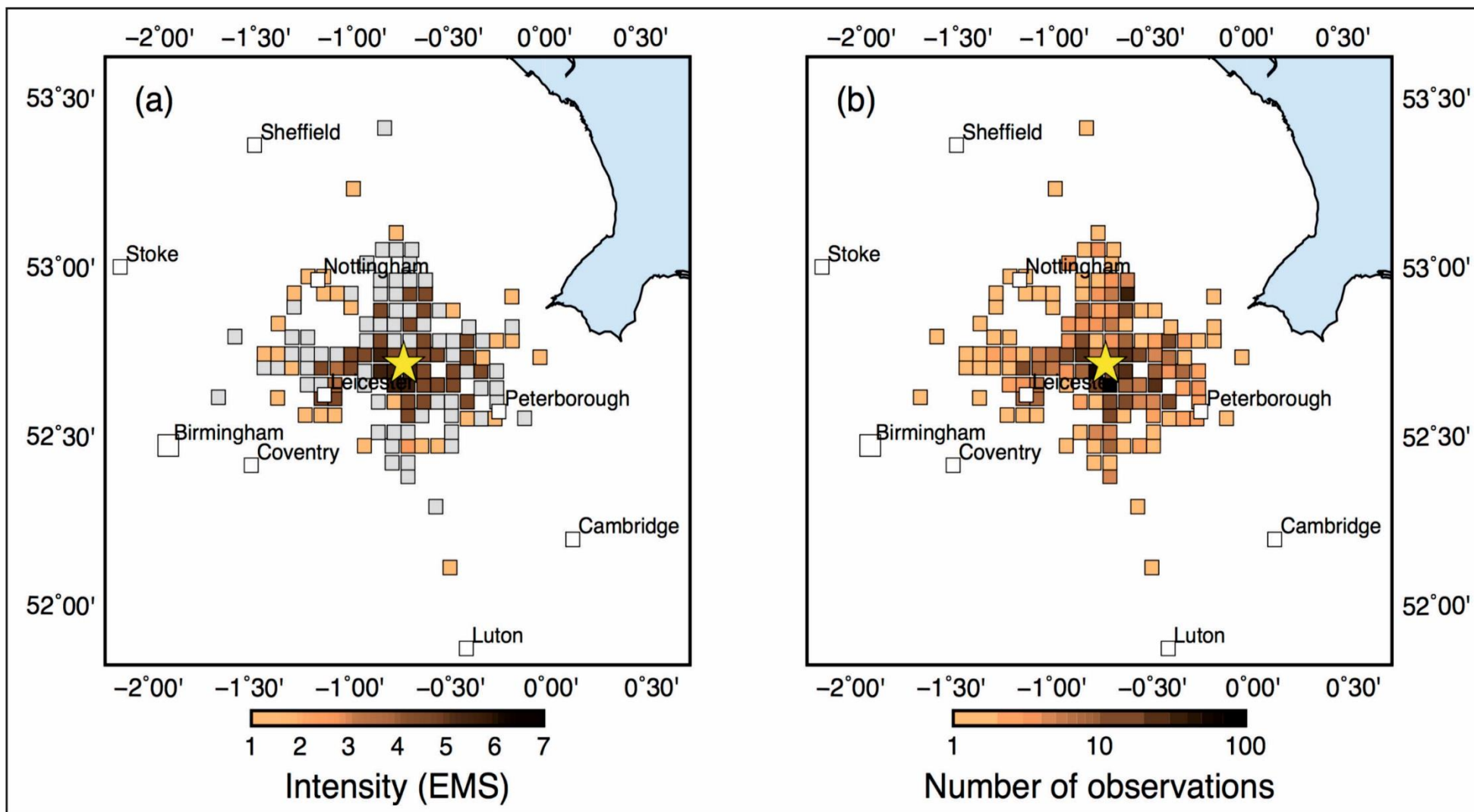


Figure 10. (a) Macroseismic intensities for the Oakham earthquake on 18 April 2014 calculated in 5 km grid squares. A minimum of five observations are required to calculate an intensity value. Squares are coloured by intensity. Grey squares show places where the earthquake was felt but there were fewer than five observations. (b) Number of observations in each grid square.

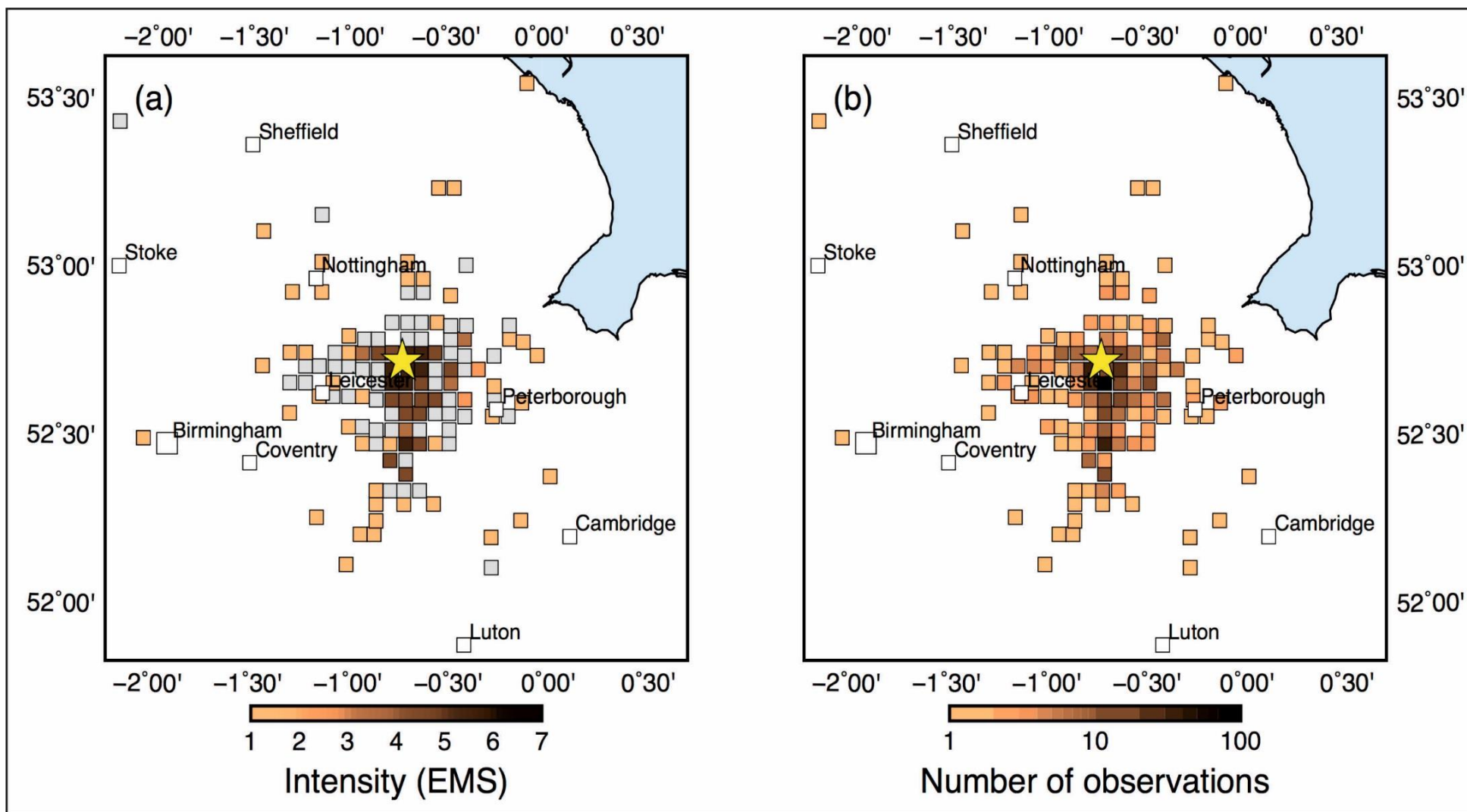


Figure 11. (a) Macroseismic intensities for the Oakham earthquake on 17 April 2014 calculated in 5 km grid squares. A minimum of five observations are required to calculate an intensity value. Squares are coloured by intensity. Grey squares show places where the earthquake was felt but there were fewer than five observations. (b) Number of observations in each grid square.

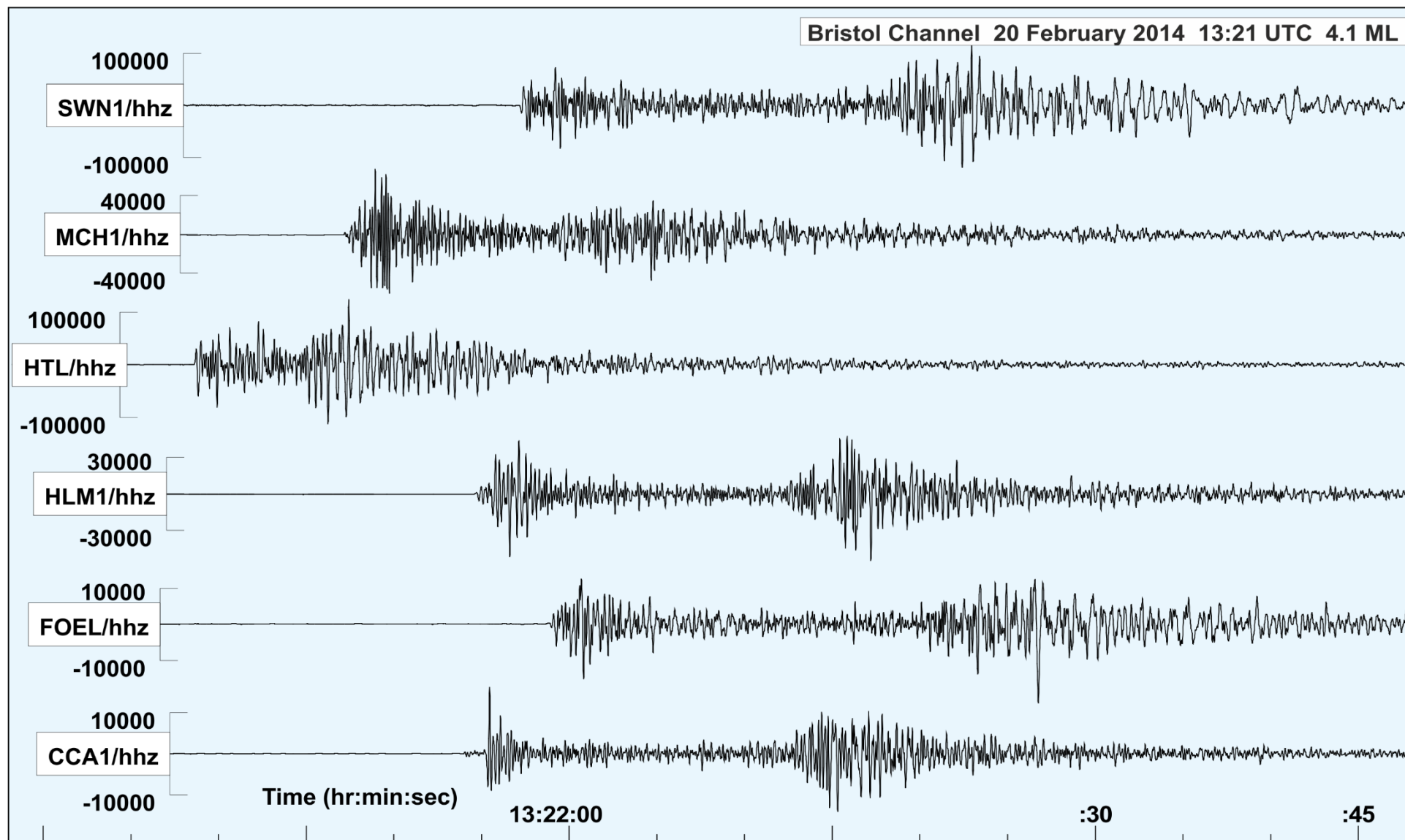


Figure 12. Seismograms of the ground displacement from the magnitude 4.1 ML Bristol Channel earthquake, 20 February 2014, recorded by BGS seismograph stations.

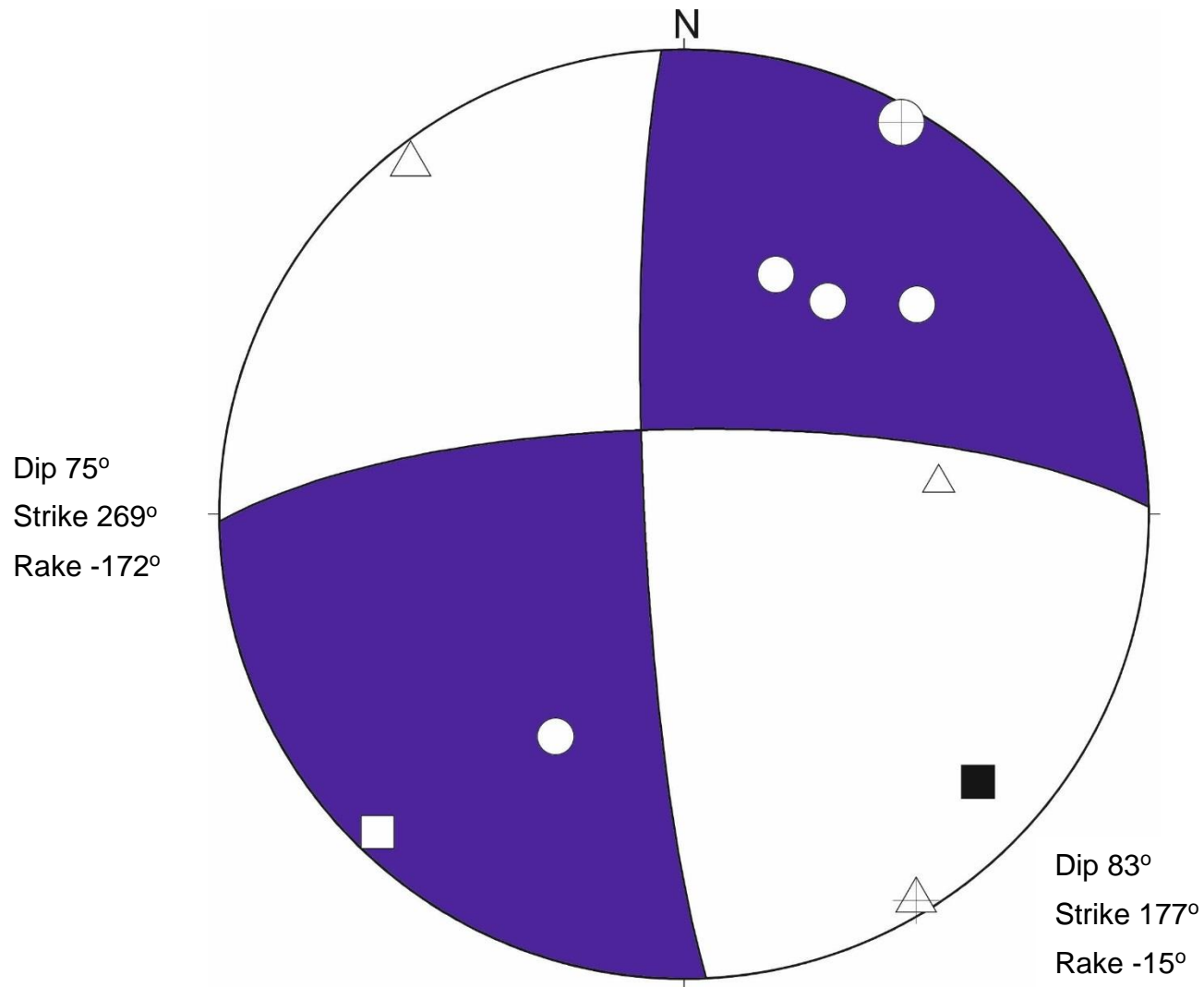


Figure 13. Lower hemisphere, equal projection of the focal mechanism for the Bristol Channel earthquake on 20 February 2014. The blue shaded areas show areas of compressed first motion. The white circles and triangles show measured compressional and dilatational first motions, respectively. The black and white squares show the orientations of the axes of maximum (P) and minimum (T) compression, respectively (Snoke et al., 1984)

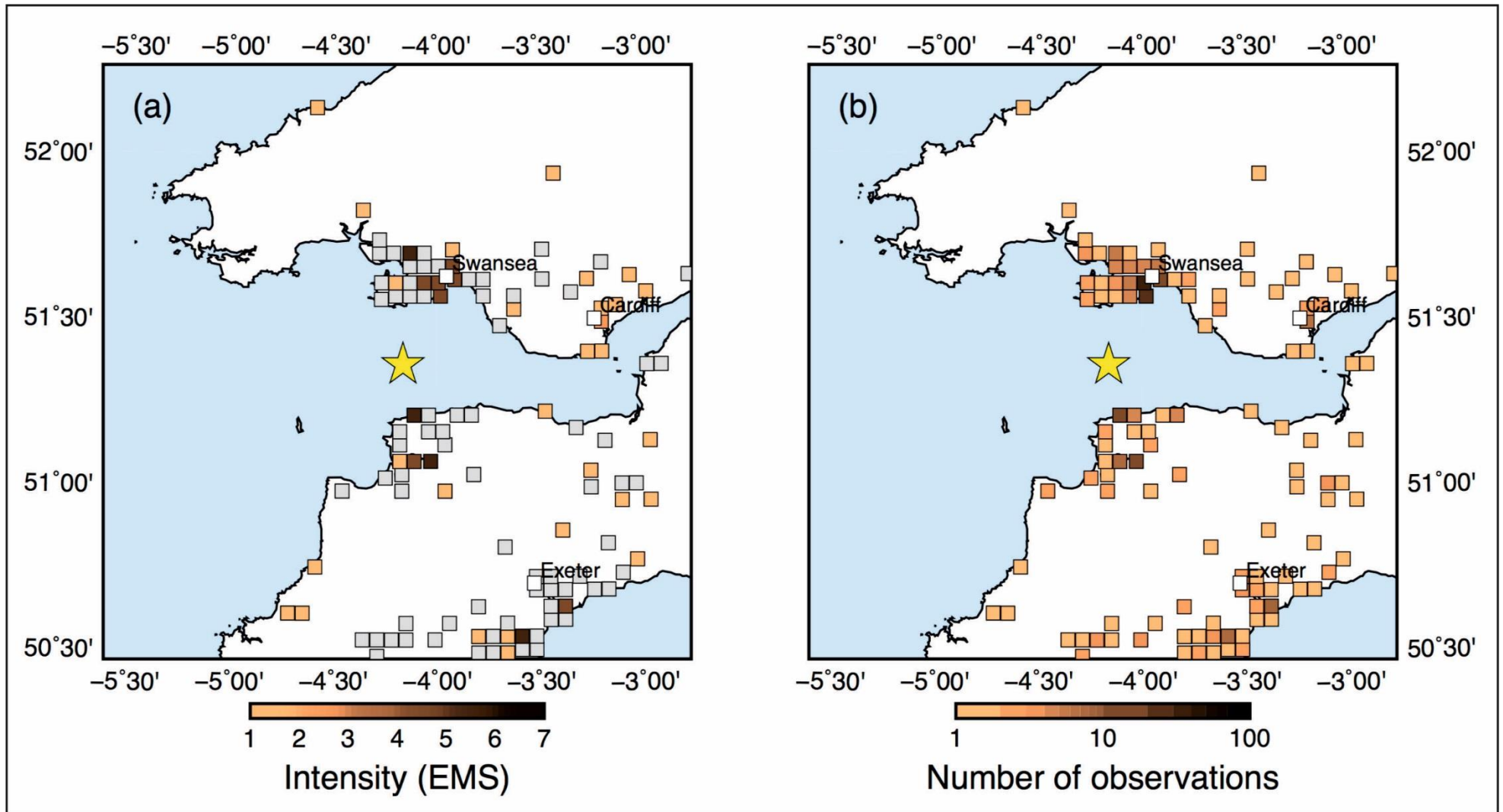


Figure 14. (a) Macroseismic intensities for the Bristol Channel earthquake on 20 February 2014 calculated in 5 km grid squares. A minimum of five observations are required to calculate an intensity value. Squares are coloured by intensity. Grey squares show places where the earthquake was felt but there were fewer than five observations. (b) Number of observations in each grid square.

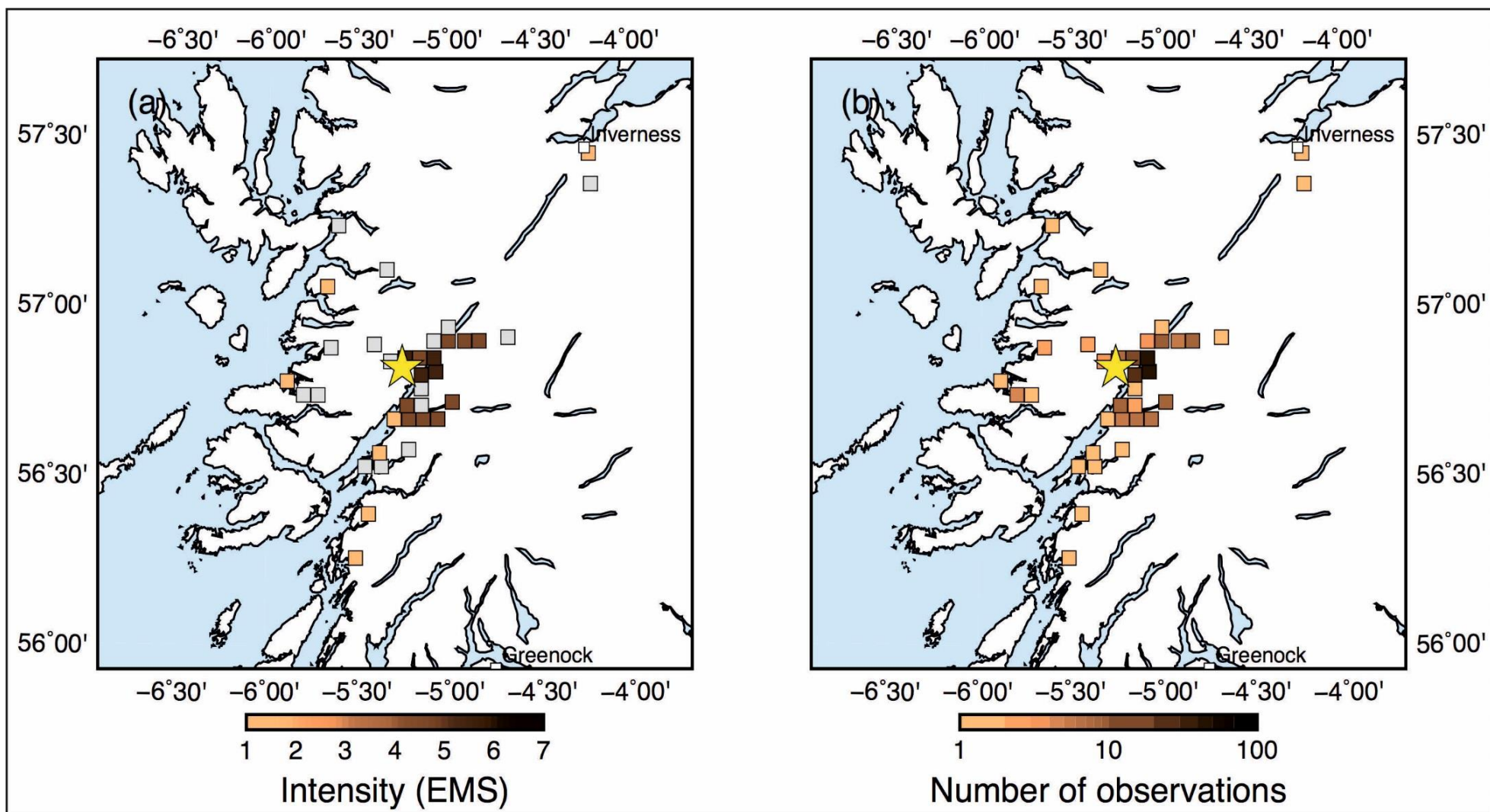


Figure 15. (a) Macroseismic intensities for the Fort William earthquake on 3 July 2014 calculated in 5 km grid squares. A minimum of five observations are required to calculate an intensity value. Squares are coloured by intensity. Grey squares show places where the earthquake was felt but there were fewer than five observations. (b) Number of observations in each grid square.

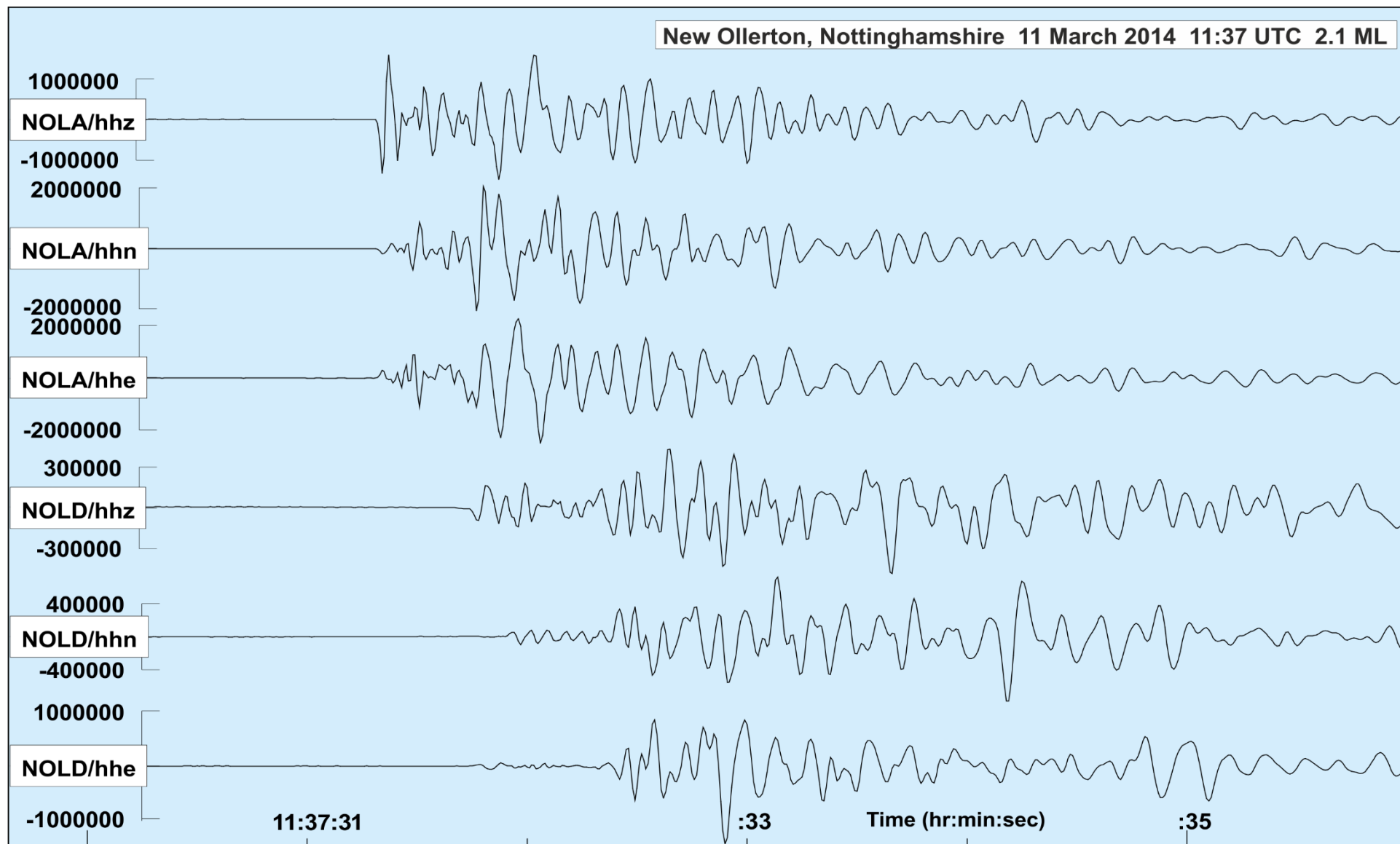


Figure 16. Seismograms of the ground displacement from the magnitude 2.1 ML New Ollerton, Nottinghamshire earthquake, 11 March 2014, recorded by BGS seismograph stations.

TABLE 1 : CATALOGUE OF EVENTS : 2014

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20140103	194737.2	53.19	-1.06	462.7	366.5	0.4	1.1	NEW OLLERTON,NOTTS	3	4	192	0.50	8.38	5.50	C/F,FELT N OLLERTON
20140104	150913.8	53.21	-1.03	465.0	368.1	1.1	1.4	NEW OLLERTON,NOTTS	3	5	225	0.50	2.63	7.40	C/F,FELT N OLLERTON
20140104	233203.2	53.20	-1.06	463.0	367.7	0.8	1.0	NEW OLLERTON,NOTTS	3	5	192	0.30	4.73	2.60	C/F,FELT N OLLERTON
20140106	014755.9	53.19	-1.05	463.2	366.2	1.1	1.3	NEW OLLERTON,NOTTS	3	5	222	0.40	3.88	0.10	C/F,FELT N OLLERTON
20140107	134941.6	53.22	-1.01	466.2	370.0	0.7	1.3	NEW OLLERTON,NOTTS	3	3	269	0.20	3.23	2.60	C/F,FELT N OLLERTON
20140108	034819.0	53.22	-1.00	466.5	369.3	1.2	1.3	NEW OLLERTON,NOTTS		5	227	0.20	1.63	0.80	C/F
20140109	062913.8	52.29	-2.96	334.3	265.9	15.4	1.3	KNIGHTON,POWYS		7	162	0.00	2.21	0.60	
20140109	233316.1	53.21	-1.02	465.2	368.8	0.9	1.4	NEW OLLERTON,NOTTS		5	225	0.30	8.65	2.00	C/F
20140111	234659.4	53.20	-1.05	463.2	367.9	1.7	1.5	NEW OLLERTON,NOTTS	3	6	192	0.40	4.83	2.80	C/F,FELT N OLLERTON
20140113	001316.4	53.21	-1.03	464.8	368.5	1.3	1.5	NEW OLLERTON,NOTTS	3	7	140	0.20	3.61	6.40	C/F,FELT N OLLERTON
20140113	143453.7	53.21	-1.05	463.3	368.7	1.0	1.5	NEW OLLERTON,NOTTS		6	192	0.60	6.18	3.60	C/F
20140114	041144.2	53.20	-1.05	463.4	367.7	1.1	1.5	NEW OLLERTON,NOTTS		6	192	0.50	4.32	2.50	C/F
20140116	015724.3	53.21	-1.04	463.8	368.1	1.1	1.5	NEW OLLERTON,NOTTS	3	7	193	0.50	5.77	3.30	C/F,FELT N OLLERTON
20140116	170933.4	59.48	1.50	598.0	1071.1	8.1	2.8	NORTHERN NORTH SEA		13	150	0.30	5.08	5.50	165KM SE LERWICK
20140117	013705.3	52.51	-1.49	434.5	290.1	13.0	0.8	NUNEATON,WARWICKSHIRE		3	216	0.10	8.66	6.90	
20140117	021913.7	53.19	-1.06	462.5	366.8	0.3	1.4	NEW OLLERTON,NOTTS	3	6	191	0.30	3.64	2.30	C/F,FELT N OLLERTON
20140119	052243.5	53.20	-1.06	462.7	367.3	0.1	1.6	NEW OLLERTON,NOTTS	3	5	191	0.50	6.07	3.10	C/F,FELT N OLLERTON
20140120	171612.9	53.19	-1.10	460.0	366.4	1.0	1.5	NEW OLLERTON,NOTTS	3	5	188	0.60	9.91	0.30	C/F,FELT N OLLERTON
20140121	020555.5	53.20	-1.06	462.9	367.1	0.1	1.4	NEW OLLERTON,NOTTS	3	5	192	0.40	4.32	2.50	C/F,FELT N OLLERTON
20140121	063904.2	60.97	4.45	748.8	1248.9	10.0	2.8	SOUTHERN NORWAY		7	329	0.50	2.26	0.00	320KM ENE LERWICK
20140121	101214.0	54.89	-3.25	319.7	555.9	7.5	2.1	WIGTON,CUMBRIA		10	93	0.40	3.00	8.60	9KM NW WIGTON
20140121	122125.2	53.20	-1.05	463.5	367.3	0.1	1.3	NEW OLLERTON,NOTTS		5	192	0.30	5.12	2.30	C/F
20140121	152000.1	52.96	-4.38	240.0	343.3	20.6	0.8	LLEYN PENINSULA		6	234	0.10	3.64	4.20	9KM ENE NEFYN
20140122	034931.8	53.20	-1.05	463.6	367.3	1.1	1.5	NEW OLLERTON,NOTTS	3	6	193	0.40	3.81	2.10	C/F,FELT N OLLERTON
20140123	030126.8	53.21	-1.06	462.9	368.5	1.5	1.5	NEW OLLERTON,NOTTS	3	6	191	0.30	4.63	2.70	C/F,FELT N OLLERTON
20140123	043250.1	61.27	4.46	745.8	1282.8	10.0	3.0	SOUTHERN NORWAY		13	147	0.80	8.90	0.00	330KM ENE LERWICK
20140124	035835.7	53.21	-1.01	466.2	368.3	0.1	1.6	NEW OLLERTON,NOTTS	3	7	196	0.50	0.50	6.70	C/F,FELT N OLLERTON
20140126	035013.5	53.20	-1.02	465.1	367.4	0.2	1.7	NEW OLLERTON,NOTTS	3	9	195	0.30	5.29	3.40	C/F,FELT N OLLERTON
20140126	143406.9	53.20	-1.05	463.6	367.4	1.5	1.0	NEW OLLERTON,NOTTS		3	193	0.30	7.21	0.00	C/F
20140126	152256.7	53.74	1.18	609.7	432.0	4.0	2.3	SOUTHERN NORTH SEA		7	256	0.40	0.31	5.10	85KM EAST GRIMSBY
20140128	030645.5	53.20	-1.02	465.7	368.0	1.2	1.5	NEW OLLERTON,NOTTS	3	6	195	0.50	2.50	0.20	C/F,FELT N OLLERTON
20140128	170000.7	53.20	-1.02	465.5	367.9	0.9	1.2	NEW OLLERTON,NOTTS		4	226	0.20	2.96	3.90	C/F
20140129	033229.5	49.36	-2.38	372.4	-60.2	6.8	1.6	GUERNSEY,CHANNEL ISLES		7	340	0.00	1.94	0.60	12KM SE GUERNSEY
20140130	100458.6	53.20	-1.06	463.1	367.6	0.1	1.6	NEW OLLERTON,NOTTS	3	7	192	0.60	9.39	0.00	C/F,FELT N OLLERTON
20140131	101036.1	53.21	-1.03	464.6	368.2	0.4	1.5	NEW OLLERTON,NOTTS	3	5	194	0.10	2.06	1.10	C/F,FELT N OLLERTON
20140131	213643.6	53.20	-1.05	463.2	367.9	1.4	1.3	NEW OLLERTON,NOTTS	3	5	192	0.40	8.92	0.00	C/F,FELT N OLLERTON
20140202	114943.5	53.23	-0.95	470.2	370.4	1.0	1.4	NEW OLLERTON,NOTTS	3	3	273	0.10	1.41	0.00	C/F,FELT N OLLERTON
20140203	103026.3	53.20	-1.02	465.2	367.6	1.0	1.4	NEW OLLERTON,NOTTS	3	4	265	0.30	6.06	5.70	C/F,FELT N OLLERTON
20140203	210844.7	56.30	-4.77	228.9	714.9	7.7	1.0	ARDLUI,ARGYLL & BUTE		3	264	0.10	2.44	3.20	
20140205	020020.3	53.20	-1.02	465.7	367.6	1.0	1.3	NEW OLLERTON,NOTTS	3	5	191	0.70	3.61	0.00	C/F,FELT N OLLERTON

TABLE 1 : CATALOGUE OF EVENTS : 2014

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20140205	182052.6	53.22	-1.01	465.8	369.5	1.1	1.3	NEW OLLERTON, NOTTS		6	246	0.20	3.31	3.00	C/F
20140206	035938.2	53.22	-1.01	465.9	370.0	1.3	1.8	NEW OLLERTON, NOTTS		10	166	0.10	1.66	1.40	C/F
20140206	205547.0	53.22	-1.01	466.1	370.0	1.3	1.6	NEW OLLERTON, NOTTS		12	239	0.10	2.19	2.00	C/F
20140207	040620.1	53.22	-1.01	465.9	370.0	1.5	1.9	NEW OLLERTON, NOTTS	3	12	180	0.10	1.88	1.40	C/F, FELT N OLLERTON
20140207	151409.4	53.22	-1.01	465.8	369.9	1.4	1.8	NEW OLLERTON, NOTTS		10	133	0.10	1.97	1.60	C/F
20140207	152009.3	53.22	-1.02	465.6	370.0	1.4	1.3	NEW OLLERTON, NOTTS		6	130	0.20	2.55	2.00	C/F
20140207	220134.1	53.22	-1.01	465.8	370.0	1.3	1.6	NEW OLLERTON, NOTTS		6	142	0.10	1.75	1.40	C/F
20140208	065246.8	53.22	-1.01	466.0	370.0	1.5	1.5	NEW OLLERTON, NOTTS		10	188	0.10	1.84	1.40	C/F
20140208	083551.0	53.23	-1.02	465.7	370.3	0.1	0.7	NEW OLLERTON, NOTTS		6	142	0.10	1.25	4.10	C/F
20140208	141443.9	53.22	-1.02	465.7	370.1	1.0	1.5	NEW OLLERTON, NOTTS		6	145	0.10	1.66	1.50	C/F
20140209	034857.0	53.22	-1.01	466.0	370.0	1.3	1.5	NEW OLLERTON, NOTTS		6	226	0.10	1.66	1.30	C/F
20140209	053342.0	53.22	-1.01	466.0	369.8	1.6	1.9	NEW OLLERTON, NOTTS	3	11	259	0.10	2.10	1.60	C/F, FELT N OLLERTON
20140209	135656.8	53.22	-1.01	465.9	369.9	1.3	1.8	NEW OLLERTON, NOTTS		10	163	0.10	1.88	1.50	C/F
20140209	203002.0	53.23	-1.01	466.2	370.6	0.8	0.7	NEW OLLERTON, NOTTS		4	256	0.00	1.80	1.40	C/F
20140209	224616.0	53.22	-1.01	466.0	369.9	1.5	1.5	NEW OLLERTON, NOTTS		10	259	0.10	2.10	1.60	C/F
20140210	030906.8	53.22	-1.02	465.6	369.9	1.1	0.7	NEW OLLERTON, NOTTS		5	193	0.00	0.78	0.50	C/F
20140210	083014.3	53.22	-1.01	466.0	369.9	1.3	1.6	NEW OLLERTON, NOTTS	3	11	242	0.10	2.10	2.00	C/F, FELT N OLLERTON
20140210	123611.1	53.22	-1.01	465.8	369.9	1.5	1.4	NEW OLLERTON, NOTTS		6	139	0.10	1.97	1.50	C/F
20140210	124742.0	53.22	-1.01	466.0	369.9	1.4	1.7	NEW OLLERTON, NOTTS		12	198	0.10	1.88	1.50	C/F
20140210	175414.4	53.22	-1.01	465.8	370.0	1.1	1.6	NEW OLLERTON, NOTTS	3	11	145	0.10	1.66	1.50	C/F, FELT N OLLERTON
20140210	190823.6	53.22	-1.00	466.8	369.8	0.1	0.4	NEW OLLERTON, NOTTS		4	325	0.20	9.99	3.60	C/F
20140211	015931.0	53.22	-1.01	465.8	370.0	1.2	1.7	NEW OLLERTON, NOTTS		6	148	0.10	1.66	1.40	C/F
20140211	085255.1	53.23	-1.01	465.9	370.6	0.8	1.0	NEW OLLERTON, NOTTS		6	179	0.10	1.03	1.10	C/F
20140212	023546.1	53.23	-1.01	466.0	370.4	1.2	1.8	NEW OLLERTON, NOTTS		12	185	0.10	1.25	1.00	C/F
20140212	023933.2	53.22	-1.01	466.0	370.1	1.2	0.9	NEW OLLERTON, NOTTS		6	184	0.10	1.84	1.40	C/F
20140212	033334.4	53.23	-1.02	465.7	370.5	0.2	0.5	NEW OLLERTON, NOTTS		6	161	0.10	0.81	2.20	C/F
20140212	132033.1	53.22	-1.01	466.2	369.9	1.5	1.7	NEW OLLERTON, NOTTS		6	265	0.10	1.52	1.40	C/F
20140212	141508.3	53.22	-1.01	465.9	370.0	1.2	1.7	NEW OLLERTON, NOTTS	3	9	164	0.10	1.66	1.40	C/F, FELT N OLLERTON
20140212	164535.7	53.23	-1.01	465.7	370.5	0.2	1.2	NEW OLLERTON, NOTTS		6	161	0.10	0.72	0.60	C/F
20140212	165959.4	53.23	-1.02	465.4	370.5	0.7	1.1	NEW OLLERTON, NOTTS		6	135	0.10	1.34	1.40	C/F
20140212	190131.6	54.27	-2.56	363.7	486.5	7.5	1.2	SEDBERGH, CUMBRIA		3	283	0.20	1.38	1.50	
20140212	210336.4	53.22	-1.01	465.8	370.0	1.2	1.7	NEW OLLERTON, NOTTS		6	146	0.10	1.66	1.50	C/F
20140213	032653.4	53.22	-1.01	465.8	370.1	1.1	0.9	NEW OLLERTON, NOTTS		6	143	0.10	1.57	1.40	C/F
20140213	160151.3	53.22	-1.01	466.0	369.8	1.5	2.0	NEW OLLERTON, NOTTS		9	262	0.10	2.19	1.70	C/F
20140214	140759.9	53.22	-1.01	465.9	370.0	1.2	1.9	NEW OLLERTON, NOTTS	3	12	169	0.10	1.75	1.50	C/F, FELT N OLLERTON
20140215	022548.1	53.23	-1.01	466.1	370.7	0.2	0.7	NEW OLLERTON, NOTTS		6	201	0.10	1.84	6.30	C/F
20140215	024806.3	53.22	-1.01	465.8	369.9	1.2	1.8	NEW OLLERTON, NOTTS		10	137	0.10	1.97	1.60	C/F
20140215	214952.1	53.26	-1.81	412.8	373.4	1.2	1.5	TIDESWELL, DERBYSHIRE		6	130	0.30	2.37	2.50	
20140215	221018.1	53.26	-1.80	413.3	373.2	1.1	1.3	TIDESWELL, DERBYSHIRE		5	133	0.30	2.91	3.10	
20140217	052005.9	53.26	-1.80	413.0	373.6	1.6	1.0	TIDESWELL, DERBYSHIRE		4	133	0.20	3.07	0.00	

TABLE 1 : CATALOGUE OF EVENTS : 2014

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20140217	070626.1	53.26	-1.80	413.2	373.7	1.3	1.0	TIDESWELL,DERBYSHIRE		3	219	0.10	7.05	0.00	
20140217	175221.7	53.22	-1.01	466.0	369.9	1.6	2.0	NEW OLLERTON,NOTTS	3	12	260	0.10	1.88	1.40	C/F,FELT N OLLERTON
20140218	135643.4	53.22	-1.02	465.5	369.7	1.1	1.8	NEW OLLERTON,NOTTS	3	12	186	0.10	1.21	1.00	C/F,FELT N OLLERTON
20140218	172353.3	53.22	-1.02	465.4	369.8	1.0	0.5	NEW OLLERTON,NOTTS		5	172	0.10	1.12	1.10	C/F
20140219	172228.5	53.22	-1.02	465.6	370.1	1.3	1.8	NEW OLLERTON,NOTTS	3	12	127	0.00	0.89	0.60	C/F,FELT N OLLERTON
20140219	223808.2	53.85	-3.22	319.7	439.8	12.3	1.2	IRISH SEA		12	58	0.30	2.56	4.30	
20140220	132130.0	51.36	-4.16	249.4	164.9	3.5	4.1	BRISTOL CHANNEL	5	34	93	0.60	4.11	0.00	FELT DEVON,S WALES...
20140220	162141.5	53.22	-1.01	465.9	369.9	1.3	1.6	NEW OLLERTON,NOTTS		9	182	0.10	1.66	1.40	C/F
20140220	231327.7	53.22	-1.01	465.9	370.0	1.3	1.6	NEW OLLERTON,NOTTS		6	179	0.10	1.43	1.20	C/F
20140222	034450.6	53.22	-1.01	466.0	370.0	1.4	1.7	NEW OLLERTON,NOTTS		10	231	0.10	1.75	1.40	C/F
20140222	113508.5	56.36	-5.80	165.1	725.6	13.0	1.2	MULL,ARGYLL & BUTE		4	177	0.30	7.28	6.70	
20140223	022201.4	53.22	-1.01	465.9	370.0	1.4	1.8	NEW OLLERTON,NOTTS		6	178	0.10	1.43	1.20	C/F
20140223	084850.5	53.22	-1.01	466.1	369.8	1.3	0.8	NEW OLLERTON,NOTTS		6	263	0.10	1.88	1.30	C/F
20140223	093626.4	53.23	-1.01	466.0	370.4	1.0	0.8	NEW OLLERTON,NOTTS		6	197	0.10	0.81	0.80	C/F
20140223	183545.6	53.22	-1.01	466.1	370.0	1.6	1.1	NEW OLLERTON,NOTTS		6	227	0.10	1.75	1.30	C/F
20140224	002440.4	53.22	-1.01	465.9	369.9	1.2	1.8	NEW OLLERTON,NOTTS	3	12	159	0.10	1.97	1.70	C/F,FELT N OLLERTON
20140224	100529.2	53.22	-1.01	465.9	370.0	1.0	1.6	NEW OLLERTON,NOTTS	3	11	163	0.10	1.66	1.50	C/F,FELT N OLLERTON
20140224	103812.9	53.23	-1.01	466.0	370.3	1.0	1.4	NEW OLLERTON,NOTTS		6	193	0.10	0.89	0.80	C/F
20140224	231934.0	53.22	-1.01	466.0	369.9	1.4	1.6	NEW OLLERTON,NOTTS	3	10	217	0.10	1.66	1.30	C/F,FELT N OLLERTON
20140225	014202.0	53.22	-1.00	466.5	369.6	1.4	0.5	NEW OLLERTON,NOTTS		6	274	0.10	2.46	2.10	C/F
20140225	031921.9	53.22	-1.01	466.0	370.0	0.9	0.6	NEW OLLERTON,NOTTS		6	221	0.10	1.88	1.70	C/F
20140225	075511.5	49.80	0.01	544.6	-9.7	5.0	2.5	ENGLISH CHANNEL		14	210	0.40	2.27	0.00	110KM SSW EASTBOURNE
20140225	092310.9	49.76	0.07	548.9	-14.0	5.0	2.4	ENGLISH CHANNEL		13	213	0.40	1.24	0.00	115KM SSW EASTBOURNE
20140225	183909.2	53.22	-1.01	466.4	370.2	1.0	1.7	NEW OLLERTON,NOTTS		6	252	0.10	1.48	1.30	C/F
20140225	193624.0	53.22	-1.01	466.0	369.8	1.0	1.0	NEW OLLERTON,NOTTS		6	261	0.10	1.79	1.50	C/F
20140226	143515.7	53.22	-1.01	465.8	369.5	1.4	1.5	NEW OLLERTON,NOTTS		6	244	0.10	1.43	1.20	C/F
20140226	182432.9	53.22	-1.01	466.1	369.8	1.5	1.8	NEW OLLERTON,NOTTS	3	13	264	0.10	2.10	1.70	C/F,FELT N OLLERTON
20140227	043237.5	53.22	-1.00	466.7	369.4	1.3	0.8	NEW OLLERTON,NOTTS		6	280	0.10	3.22	2.50	C/F
20140227	163610.0	53.22	-1.01	466.0	369.9	1.6	1.5	NEW OLLERTON,NOTTS		6	261	0.10	2.19	1.60	C/F
20140228	015839.4	53.23	-1.01	466.2	370.4	1.3	2.0	NEW OLLERTON,NOTTS	3	12	220	0.10	1.57	1.30	C/F,FELT N OLLERTON
20140228	023930.7	53.22	-1.01	466.0	370.0	1.4	0.8	NEW OLLERTON,NOTTS		6	199	0.10	2.06	1.60	C/F
20140228	162627.3	52.96	-4.40	238.5	342.8	22.0	0.9	LLEYN PENINSULA,GWYNED		5	246	0.10	3.47	4.40	
20140228	213259.4	53.22	-1.01	466.1	369.8	1.6	1.7	NEW OLLERTON,NOTTS	3	11	263	0.10	1.88	1.40	C/F,FELT N OLLERTON
20140302	093911.1	53.21	-1.01	466.0	368.7	1.0	1.5	NEW OLLERTON,NOTTS	3	6	195	0.50	7.79	0.00	C/F,FELT N OLLERTON
20140303	075602.9	55.11	-3.64	295.7	581.2	2.4	0.7	LOCHARBRIGGS,D & G		4	237	0.50	5.47	4.70	
20140303	175049.5	53.21	-1.04	464.3	368.5	1.0	1.6	NEW OLLERTON,NOTTS	3	6	193	0.40	5.75	3.30	C/F,FELT N OLLERTON
20140304	140847.7	53.22	-1.01	466.1	369.8	1.5	1.9	NEW OLLERTON,NOTTS	3	12	262	0.10	2.10	1.60	C/F,FELT N OLLERTON
20140305	011806.8	53.22	-1.01	466.0	369.9	1.2	1.8	NEW OLLERTON,NOTTS	3	12	260	0.10	1.88	1.60	C/F,FELT N OLLERTON
20140305	155633.5	53.22	-1.01	466.0	369.9	1.3	1.7	NEW OLLERTON,NOTTS	3	12	259	0.10	1.79	1.50	C/F,FELT N OLLERTON
20140305	205600.4	53.22	-1.01	466.0	370.0	1.1	1.4	NEW OLLERTON,NOTTS		6	201	0.10	1.52	1.30	C/F

TABLE 1 : CATALOGUE OF EVENTS : 2014

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20140305	221647.1	53.09	-3.69	287.2	355.9	2.5	0.9	BETWS-Y-COED, GWYNEDD		4	174	0.00	3.89	2.00	
20140306	013641.0	53.22	-1.00	467.0	369.6	0.7	0.5	NEW OLLERTON, NOTTS		6	281	0.10	2.64	4.30	C/F
20140306	060815.8	53.22	-1.01	466.2	369.9	1.4	1.7	NEW OLLERTON, NOTTS		6	262	0.10	1.75	1.50	C/F
20140307	051348.9	53.22	-1.01	466.2	369.8	1.4	1.7	NEW OLLERTON, NOTTS	3	11	264	0.10	1.97	1.60	C/F, FELT N OLLERTON
20140308	040842.1	53.22	-1.01	466.2	369.9	1.3	1.8	NEW OLLERTON, NOTTS	3	12	263	0.10	1.75	1.40	C/F, FELT N OLLERTON
20140310	022114.9	53.23	-1.01	466.1	370.4	0.9	2.0	NEW OLLERTON, NOTTS	3	15	207	0.10	0.81	0.80	C/F, FELT N OLLERTON
20140310	231523.8	53.22	-1.00	466.4	369.7	1.5	0.7	NEW OLLERTON, NOTTS		5	272	0.10	1.97	1.60	C/F
20140311	030442.9	53.22	-1.01	465.9	370.1	0.7	0.5	NEW OLLERTON, NOTTS		5	166	0.10	1.66	1.90	C/F
20140311	113731.0	53.22	-1.01	466.0	369.8	0.9	2.1	NEW OLLERTON, NOTTS	3	12	262	0.10	1.79	1.70	C/F, FELT N OLLERTON
20140312	032024.8	52.99	-3.76	282.1	345.3	12.4	0.8	BETWS-Y-COED, CONWY	2	7	146	0.20	2.30	1.70	FELT DOLWYDDELAN
20140312	044449.9	53.22	-1.01	466.1	369.9	1.0	1.9	NEW OLLERTON, NOTTS	3	11	246	0.10	1.43	1.30	C/F, FELT N OLLERTON
20140313	101930.8	53.22	-1.01	465.8	369.9	1.1	0.9	NEW OLLERTON, NOTTS		5	145	0.10	1.66	1.50	C/F
20140313	123921.2	53.22	-1.01	466.1	369.8	1.1	2.0	NEW OLLERTON, NOTTS	3	10	264	0.10	1.66	1.50	C/F, FELT N OLLERTON
20140314	003239.3	53.22	-1.01	466.1	369.8	1.1	1.8	NEW OLLERTON, NOTTS	3	14	263	0.10	1.88	1.70	C/F, FELT N OLLERTON
20140314	034800.5	53.22	-1.01	466.0	370.0	0.8	1.3	NEW OLLERTON, NOTTS		5	213	0.10	1.30	1.30	C/F
20140314	212347.5	53.22	-1.01	466.1	369.9	1.0	1.9	NEW OLLERTON, NOTTS	3	9	254	0.10	1.57	1.50	C/F, FELT N OLLERTON
20140316	121841.5	53.22	-1.01	466.0	369.9	1.0	2.0	NEW OLLERTON, NOTTS	3	8	260	0.10	1.43	1.40	C/F, FELT N OLLERTON
20140316	191635.8	52.43	-1.78	415.0	281.6	3.7	0.9	SOLIHULL, WEST MIDLANDS		6	157	0.30	4.30	9.20	
20140317	025817.6	53.22	-1.01	466.0	369.8	1.1	1.9	NEW OLLERTON, NOTTS	3	11	261	0.10	1.34	1.20	C/F, FELT N OLLERTON
20140318	204516.0	52.32	-6.30	106.7	277.8	9.7	2.2	COUNTY WEXFORD, IRELAND	3	15	101	0.30	4.20	4.70	FELT COUNTY WEXFORD
20140319	022156.1	53.23	-1.01	465.9	370.4	0.4	0.8	NEW OLLERTON, NOTTS		6	183	0.10	0.94	1.40	C/F
20140319	193446.1	53.22	-1.01	466.0	369.9	1.1	2.1	NEW OLLERTON, NOTTS	3	13	261	0.10	1.43	0.60	C/F, FELT N OLLERTON
20140320	022834.7	53.22	-1.01	466.2	369.7	1.6	1.3	NEW OLLERTON, NOTTS		6	266	0.10	1.79	1.40	C/F
20140320	113214.8	53.22	-1.01	466.1	369.9	1.4	1.9	NEW OLLERTON, NOTTS		10	250	0.10	1.52	1.20	C/F
20140320	182957.6	53.22	-1.01	466.2	370.2	1.5	0.8	NEW OLLERTON, NOTTS		6	235	0.00	0.81	0.60	C/F
20140320	195200.6	53.22	-1.00	466.5	369.5	1.0	1.1	NEW OLLERTON, NOTTS		6	276	0.10	1.57	1.40	C/F
20140321	064040.9	54.78	-2.72	353.6	542.6	14.9	1.3	CARLISLE, CUMBRIA		4	167	0.10	6.35	4.60	20KM SE CARLISLE
20140321	075529.2	53.70	-1.74	417.3	422.7	8.7	1.1	BRIGHOUSE, W YORKSHIRE		3	164	0.10	4.96	2.70	
20140321	134507.3	53.22	-1.01	466.2	369.8	1.2	2.0	NEW OLLERTON, NOTTS	3	11	264	0.10	1.66	1.30	C/F, FELT N OLLERTON
20140321	155007.9	53.22	-1.01	466.0	369.9	0.8	1.1	NEW OLLERTON, NOTTS		6	238	0.10	1.48	1.40	C/F
20140323	114616.8	53.22	-1.01	466.1	369.9	1.2	2.0	NEW OLLERTON, NOTTS	3	10	262	0.10	1.43	1.20	C/F, FELT N OLLERTON
20140323	201009.7	53.22	-1.01	466.2	369.7	1.2	1.2	NEW OLLERTON, NOTTS		6	267	0.10	1.75	1.40	C/F
20140323	212501.7	53.22	-1.01	466.2	369.7	1.3	1.8	NEW OLLERTON, NOTTS	3	11	269	0.10	1.75	1.40	C/F, FELT N OLLERTON
20140325	042307.5	53.22	-1.01	466.2	369.7	1.4	2.0	NEW OLLERTON, NOTTS	3	13	267	0.10	1.52	1.20	C/F, FELT N OLLERTON
20140325	231448.0	53.22	-1.01	466.0	370.0	0.9	1.8	NEW OLLERTON, NOTTS	3	12	213	0.10	1.34	1.20	C/F, FELT N OLLERTON
20140326	113609.1	53.22	-1.01	466.0	369.9	1.1	1.7	NEW OLLERTON, NOTTS		6	260	0.10	1.21	1.10	C/F
20140326	124509.2	53.22	-1.01	465.9	370.1	0.8	1.9	NEW OLLERTON, NOTTS		6	184	0.00	0.67	0.70	C/F
20140327	034830.5	53.22	-1.01	466.0	370.0	0.8	1.8	NEW OLLERTON, NOTTS		6	190	0.10	1.12	1.00	C/F
20140330	132946.7	53.22	-1.01	466.2	369.8	1.1	1.9	NEW OLLERTON, NOTTS	3	10	263	0.10	1.34	1.10	C/F, FELT N OLLERTON
20140330	175454.2	53.22	-1.01	466.3	369.6	1.4	1.7	NEW OLLERTON, NOTTS		6	272	0.10	1.66	1.40	C/F

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YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20140330	205727.6	53.22	-1.01	466.0	369.9	0.9	1.6	NEW OLLERTON,NOTTS		6	245	0.10	1.66	1.50	C/F
20140331	122214.1	53.22	-1.01	466.4	369.6	1.1	1.8	NEW OLLERTON,NOTTS		12	271	0.10	1.57	1.40	C/F
20140402	033101.3	53.22	-1.01	466.3	369.6	1.2	1.8	NEW OLLERTON,NOTTS	3	12	271	0.10	1.52	1.30	C/F,FELT N OLLERTON
20140403	035201.1	53.22	-1.00	466.6	369.2	1.3	0.7	NEW OLLERTON,NOTTS		7	276	0.10	1.89	2.20	C/F
20140403	063014.3	51.72	-2.25	382.9	201.9	16.3	2.3	STROUD,GLOUCESTERSHIRE	2	10	128	0.30	2.84	1.50	FELT STROUD
20140403	134825.6	53.22	-1.01	466.2	370.0	1.0	1.8	NEW OLLERTON,NOTTS		11	220	0.10	0.89	0.90	C/F
20140403	152441.0	53.21	-1.01	466.4	368.5	1.0	1.1	NEW OLLERTON,NOTTS		6	308	0.10	2.11	2.90	C/F
20140403	171132.6	53.22	-1.01	466.0	369.9	1.5	1.8	NEW OLLERTON,NOTTS		7	238	0.10	1.34	1.10	C/F
20140404	080658.9	53.22	-1.01	466.3	369.6	1.1	1.7	NEW OLLERTON,NOTTS		13	259	0.10	1.57	1.50	C/F
20140404	125139.8	53.22	-1.00	466.6	369.2	1.1	0.8	NEW OLLERTON,NOTTS		6	275	0.10	3.18	2.50	C/F
20140406	005312.7	53.22	-1.01	466.3	369.7	1.2	1.9	NEW OLLERTON,NOTTS	3	11	257	0.10	1.48	1.40	C/F,FELT N OLLERTON
20140406	102540.0	53.22	-1.01	466.4	369.6	1.2	1.8	NEW OLLERTON,NOTTS		7	261	0.10	1.61	1.50	C/F
20140406	182024.9	53.22	-1.01	466.3	369.9	1.3	0.8	NEW OLLERTON,NOTTS		7	252	0.10	1.48	1.30	C/F
20140406	184732.6	53.22	-1.01	465.9	370.0	0.8	1.0	NEW OLLERTON,NOTTS		7	147	0.00	0.72	0.70	C/F
20140407	025257.1	53.22	-1.01	465.8	369.9	0.7	0.3	NEW OLLERTON,NOTTS		7	170	0.10	0.86	0.80	C/F
20140407	073014.4	53.22	-1.01	466.2	369.8	1.2	1.3	NEW OLLERTON,NOTTS		7	252	0.10	1.12	1.10	C/F
20140407	200515.5	53.22	-1.00	466.6	369.3	1.5	1.9	NEW OLLERTON,NOTTS		13	271	0.10	2.15	2.00	C/F
20140408	181908.2	53.22	-1.00	466.6	369.4	1.7	1.8	NEW OLLERTON,NOTTS		11	271	0.10	2.10	1.90	C/F
20140410	065348.0	53.22	-1.00	466.6	369.2	1.5	2.0	NEW OLLERTON,NOTTS		11	273	0.10	1.84	1.80	C/F
20140410	181118.9	53.22	-1.00	466.5	369.6	1.4	1.7	NEW OLLERTON,NOTTS		11	266	0.10	1.48	1.30	C/F
20140410	184318.6	53.22	-1.00	466.4	369.7	1.1	1.1	NEW OLLERTON,NOTTS		7	261	0.10	1.30	1.00	C/F
20140411	133809.2	53.22	-1.00	466.8	369.4	1.5	1.4	NEW OLLERTON,NOTTS		7	278	0.10	2.46	2.80	C/F
20140411	191713.7	53.22	-1.01	466.4	369.7	1.0	0.8	NEW OLLERTON,NOTTS		7	257	0.10	1.48	1.40	C/F
20140413	054831.7	53.22	-1.01	466.2	370.0	0.9	1.7	NEW OLLERTON,NOTTS	3	12	233	0.10	1.08	1.10	C/F,FELT N OLLERTON
20140413	125807.3	53.22	-1.01	466.2	369.5	1.2	0.7	NEW OLLERTON,NOTTS		7	258	0.10	1.66	1.40	C/F
20140413	205853.2	53.22	-1.01	466.2	369.6	1.1	1.5	NEW OLLERTON,NOTTS	3	12	256	0.10	1.48	1.40	C/F,FELT N OLLERTON
20140413	233822.8	53.22	-1.01	466.3	369.7	1.2	1.3	NEW OLLERTON,NOTTS		7	257	0.10	1.34	1.20	C/F
20140415	113526.8	53.22	-1.01	466.1	370.2	1.0	1.6	NEW OLLERTON,NOTTS		12	209	0.10	0.86	0.80	C/F
20140416	002427.6	53.22	-1.01	466.3	369.6	1.1	1.5	NEW OLLERTON,NOTTS		11	260	0.10	1.57	1.50	C/F
20140416	163742.0	53.22	-1.00	466.5	369.5	1.3	1.4	NEW OLLERTON,NOTTS		7	268	0.10	1.62	1.40	C/F
20140416	182639.9	55.09	-3.65	294.4	578.2	6.4	1.4	DUMFRIES,D & G	2	13	66	0.50	3.38	0.00	FELT LOCHFOOT
20140416	192129.6	55.09	-3.66	294.1	578.7	6.1	0.7	DUMFRIES,D & G	2	5	112	0.40	4.95	0.00	FELT LOCHFOOT
20140417	060714.1	52.73	-0.73	486.0	314.9	2.0	3.2	OAKHAM,RUTLAND	4	15	120	0.60	3.97	4.10	FELT RUTLAND...
20140417	175054.9	53.22	-1.00	466.6	369.3	1.6	1.7	NEW OLLERTON,NOTTS	3	10	273	0.10	1.70	1.60	C/F,FELT N OLLERTON
20140418	005841.0	53.22	-1.01	466.2	369.6	1.2	1.8	NEW OLLERTON,NOTTS		7	257	0.10	1.34	1.30	C/F
20140418	045330.7	53.22	-1.00	466.4	369.5	1.2	1.5	NEW OLLERTON,NOTTS		12	264	0.10	1.70	1.60	C/F
20140418	065051.5	52.72	-0.73	485.6	314.6	2.5	3.5	OAKHAM,RUTLAND	4	30	120	0.50	3.96	4.10	FELT RUTLAND...
20140419	002600.9	53.22	-1.02	465.7	369.5	1.1	1.3	NEW OLLERTON,NOTTS		7	229	0.00	0.67	0.60	C/F
20140419	195744.8	53.22	-1.00	466.7	369.3	1.7	1.8	NEW OLLERTON,NOTTS		7	274	0.10	1.70	1.50	C/F
20140420	203458.4	55.82	-5.88	157.0	665.8	7.5	0.8	JURA,ARGYLL & BUTE		5	201	0.40	9.04	4.40	

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20140422	165716.0	53.22	-1.01	466.3	369.6	1.1	1.1	NEW OLLERTON,NOTTS		7	259	0.10	1.61	1.60	C/F
20140425	190436.4	53.22	-1.01	466.2	370.0	1.1	0.9	NEW OLLERTON,NOTTS		7	249	0.00	0.81	0.70	C/F
20140427	065232.4	55.81	-6.40	124.5	666.7	5.7	1.0	ISLAY,ARGYLL & BUTE		5	241	0.30	9.80	0.90	
20140428	034406.5	51.84	-4.78	208.3	220.0	14.2	1.7	WISTON,PEMBROKESHIRE		8	127	0.40	4.29	2.70	
20140428	220517.2	52.72	-0.73	485.9	314.2	2.5	1.7	OAKHAM,RUTLAND	3	9	135	0.70	5.09	0.00	FELT OAKHAM...
20140429	012159.8	53.22	-1.00	466.9	369.4	1.7	1.5	NEW OLLERTON,NOTTS		7	279	0.10	1.03	1.10	C/F
20140429	040200.8	55.05	-7.36	57.6	586.0	7.2	0.6	COUNTY DONEGAL, IRELAND		3	188	0.20	6.81	9.10	2KM NE BRIDGE END
20140430	235356.0	53.21	-1.01	466.2	369.0	1.4	0.6	NEW OLLERTON,NOTTS		5	299	0.00	0.78	0.50	C/F
20140501	005052.3	53.22	-1.00	466.4	369.8	0.7	0.5	NEW OLLERTON,NOTTS		7	259	0.10	1.17	1.20	C/F
20140502	012652.3	53.22	-1.00	466.9	369.2	0.6	0.6	NEW OLLERTON,NOTTS		6	281	0.10	1.92	3.90	C/F
20140502	053053.9	53.22	-1.00	467.0	369.3	1.3	1.2	NEW OLLERTON,NOTTS		7	283	0.10	2.01	1.90	C/F
20140502	160054.6	53.22	-1.01	465.9	369.1	0.8	0.6	NEW OLLERTON,NOTTS		6	294	0.10	1.39	1.40	C/F
20140502	181257.1	53.19	1.83	656.1	372.7	10.0	3.4	SOUTHERN NORTH SEA		31	224	0.70	4.51	0.00	
20140502	204126.0	53.21	-1.00	467.0	368.3	1.3	0.6	NEW OLLERTON,NOTTS		6	292	0.00	1.89	0.20	C/F
20140507	164945.3	56.38	-5.48	185.1	726.5	5.1	1.1	OBAN,ARGYLL & BUTE		5	195	0.10	1.34	3.90	3KM SSE OBAN
20140508	001953.9	52.01	-3.08	326.1	234.9	16.2	1.8	DORSTONE,HEREFORDSHIRE		7	227	0.20	3.67	1.70	8KM SW DORSTONE
20140509	033026.7	51.84	-3.38	305.0	216.1	2.8	0.7	LLANGYNIDR,POWYS		5	223	0.30	3.48	2.50	
20140509	151432.1	53.22	-1.02	465.3	369.4	1.6	1.5	NEW OLLERTON,NOTTS		6	213	0.00	0.72	0.20	C/F
20140510	164617.2	57.63	-5.15	211.7	864.4	10.3	0.6	ACHNASHEEN,HIGHLAND		4	174	0.30	8.93	2.50	
20140511	212554.8	53.21	-0.99	467.1	369.1	1.0	0.5	NEW OLLERTON,NOTTS		6	290	0.10	1.62	1.40	C/F
20140512	033516.6	51.90	-5.45	162.4	227.7	3.6	1.0	RAMSEY,PEMBROKESHIRE		3	216	0.10	1.01	7.40	OFFSHORE LOCATION
20140513	235716.8	53.21	-1.00	467.0	368.8	1.0	1.1	NEW OLLERTON,NOTTS		6	292	0.00	0.98	1.40	C/F
20140514	024648.7	53.21	-0.99	467.4	368.7	1.7	1.7	NEW OLLERTON,NOTTS		6	296	0.10	2.51	2.70	C/F
20140515	024220.1	55.45	-5.17	199.4	622.1	7.5	1.2	ARRAN,NORTH AYRSHIRE		8	115	0.20	2.42	6.40	
20140515	025525.1	55.46	-5.17	199.6	622.8	6.7	0.5	ARRAN,NORTH AYRSHIRE		4	172	0.40	7.10	3.60	
20140515	150431.0	53.21	-0.98	467.8	368.7	1.3	1.5	NEW OLLERTON,NOTTS		5	300	0.10	1.75	2.50	C/F
20140519	110726.3	54.26	-3.24	319.0	485.8	12.0	1.2	MILLOM,CUMBRIA		8	164	0.30	3.64	3.60	
20140520	013431.1	56.44	-5.82	164.4	734.3	2.5	0.5	MULL,ARGYLL & BUTE		6	236	0.20	8.60	5.90	
20140520	143017.5	57.71	-5.74	177.5	874.9	4.4	1.5	GAIRLOCH,HIGHLAND	2	7	133	0.50	7.29	7.30	FELT GAIRLOCH
20140525	054106.7	56.56	-5.39	191.7	746.5	8.2	0.7	APPIN,HIGHLAND		4	169	0.30	9.30	3.00	
20140526	124035.4	53.22	-1.00	466.9	369.4	0.8	0.6	NEW OLLERTON,NOTTS		5	284	0.00	1.12	1.50	C/F
20140527	144032.1	51.51	-2.81	344.1	179.4	3.8	1.4	BRISTOL CHANNEL		7	155	0.20	2.97	6.20	3KM NW PORTISHEAD
20140605	113800.0							SONIC - CORNWALL	3	1					FELT CORNWALL
20140606	150444.7	57.32	-5.28	202.3	830.4	2.6	1.2	KILLILAN,HIGHLAND		6	120	0.40	8.50	7.00	
20140608	034711.7	55.35	-5.28	192.1	610.9	7.4	1.0	ARRAN,NORTH AYRSHIRE		7	115	0.40	3.94	9.30	10KM OFFSHORE ARRAN
20140609	082018.8	53.21	-1.03	464.7	369.0	1.3	1.2	NEW OLLERTON,NOTTS		4	246	0.10	2.77	1.60	C/F
20140610	150913.8	54.11	-1.93	404.8	468.3	4.7	1.1	GRASSINGTON,N YORKSHIRE		4	135	0.10	1.92	0.00	
20140610	210225.9	54.10	-1.91	405.6	467.7	4.2	0.9	GRASSINGTON,N YORKSHIRE		3	252	0.00	0.89	0.60	
20140611	032935.0	54.12	-1.94	403.7	469.6	5.1	0.9	GRASSINGTON,N YORKSHIRE		3	255	0.10	2.86	2.10	
20140611	083716.4	55.32	-5.29	191.5	608.1	7.1	0.9	SOUTH OF ISLE OF ARRAN		4	206	0.40	7.40	3.70	

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YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20140611	100556.8	56.34	-5.49	184.3	721.8	2.4	1.0	OBAN, ARGYLL & BUTE		6	159	0.10	1.80	1.30	8KM SOUTH OBAN
20140618	084439.8	53.40	-1.38	440.9	389.8	4.6	2.8	ROTHERHAM, S YORKSHIRE	3	20	67	0.40	2.92	4.50	FELT ROTHERHAM...
20140620	145120.1	53.23	-1.05	463.6	371.0	1.4	1.0	NEW OLLERTON, NOTTS		4	269	0.10	2.19	1.00	C/F
20140620	160102.9	55.79	-6.35	127.2	663.8	6.6	1.7	ISLAY, ARGYLL & BUTE	3	7	205	0.30	1.06	4.30	FELT ISLAY
20140620	160148.9	55.79	-6.38	125.6	663.5	7.2	2.5	ISLAY, ARGYLL & BUTE	3	8	206	0.50	9.24	0.00	FELT ISLAY...
20140623	173556.2	53.25	-1.04	464.0	372.7	1.0	1.0	NEW OLLERTON, NOTTS		6	212	0.10	1.57	0.80	C/F
20140624	022541.7	53.24	-1.03	464.7	371.9	1.2	0.8	NEW OLLERTON, NOTTS		6	102	0.10	1.21	1.30	C/F
20140624	023302.2	53.24	-1.04	464.3	371.8	1.3	0.7	NEW OLLERTON, NOTTS		5	159	0.00	0.76	0.50	C/F
20140624	023818.4	53.24	-1.03	464.7	372.0	1.2	2.0	NEW OLLERTON, NOTTS		11	106	0.20	2.42	1.60	C/F
20140624	024123.9	53.24	-1.03	464.8	371.9	1.5	1.0	NEW OLLERTON, NOTTS		6	101	0.10	1.21	1.10	C/F
20140624	130344.0	53.24	-1.04	464.3	371.5	1.1	0.9	NEW OLLERTON, NOTTS		4	181	0.00	0.67	0.40	C/F
20140624	132736.5	53.24	-1.02	465.1	371.9	0.2	0.6	NEW OLLERTON, NOTTS		5	106	0.10	1.12	4.80	C/F
20140624	195738.8	53.24	-1.03	464.9	372.0	1.2	1.0	NEW OLLERTON, NOTTS		6	104	0.10	1.43	1.60	C/F
20140625	040255.8	53.50	-2.29	381.1	400.4	3.9	1.1	SALFORD, GTR MANCHESTER	2	10	101	0.40	4.52	6.50	FELT SALFORD
20140626	131246.1	53.23	-1.04	464.1	371.2	1.4	1.0	NEW OLLERTON, NOTTS		3	222	0.00	1.43	0.80	C/F
20140626	224501.0	53.24	-1.03	464.8	372.0	1.2	1.0	NEW OLLERTON, NOTTS		6	104	0.10	1.21	1.50	C/F
20140626	231036.9	53.24	-1.02	465.1	371.9	0.9	0.8	NEW OLLERTON, NOTTS		6	93	0.10	1.21	1.60	C/F
20140628	025243.2	53.25	-1.03	464.5	372.7	1.2	1.7	NEW OLLERTON, NOTTS		6	178	0.20	3.26	1.90	C/F
20140629	105203.5	55.35	-5.27	193.0	611.0	7.5	1.8	ARRAN, NORTH AYRSHIRE		12	114	0.30	2.86	6.60	10KM OFFSHORE ARRAN
20140629	105507.8	53.26	-1.05	463.4	373.9	1.3	0.8	NEW OLLERTON, NOTTS		5	283	0.20	5.10	1.10	C/F
20140629	152046.5	55.35	-5.27	192.9	610.9	7.5	1.7	ARRAN, NORTH AYRSHIRE		11	114	0.30	2.77	6.30	10KM OFFSHORE ARRAN
20140629	205308.9	53.24	-1.03	465.0	372.1	1.6	0.9	NEW OLLERTON, NOTTS		6	110	0.10	1.43	1.30	C/F
20140629	211456.0	53.25	-1.04	464.1	372.6	1.4	0.6	NEW OLLERTON, NOTTS		6	184	0.20	3.62	2.40	C/F
20140629	213951.3	53.24	-1.07	462.1	372.2	1.6	0.5	NEW OLLERTON, NOTTS		4	311	0.30	8.30	3.80	C/F
20140630	005506.5	56.07	-6.01	150.7	693.4	2.7	1.0	JURA, ARGYLL & BUTE		8	185	0.30	5.41	6.50	5KM OFFSHORE JURA
20140630	043845.7	55.34	-5.27	192.9	610.3	7.5	1.9	ARRAN, NORTH AYRSHIRE		15	149	0.20	2.62	6.10	10KM OFFSHORE ARRAN
20140701	180354.5	56.72	-5.92	160.0	765.1	7.7	1.3	ACHARACLE, HIGHLAND	2	10	226	0.40	7.10	1.00	FELT ACHARACLE
20140702	212337.4	55.34	-5.26	193.1	610.3	7.5	0.9	ARRAN, NORTH AYRSHIRE		6	113	0.30	3.98	3.90	10KM OFFSHORE ARRAN
20140703	183608.7	56.82	-5.26	201.3	774.8	5.6	2.9	FORT WILLIAM, HIGHLAND	3	17	139	0.40	4.93	9.00	FELT FORT WILLIAM...
20140711	115432.3	49.15	-2.41	369.8	-82.9	12.4	4.3	JERSEY, CHANNEL ISLANDS	4	37	243	0.00	4.57	2.00	FELT JERSEY...
20140711	120208.9	49.15	-2.41	369.8	-82.9	12.4	0.7	JERSEY, CHANNEL ISLANDS		2	358	0.10	4.89	0.00	
20140711	120215.3	49.15	-2.41	369.8	-82.9	12.4	0.6	JERSEY, CHANNEL ISLANDS		2	358	0.10	0.65	0.00	
20140711	120400.6	49.15	-2.41	369.8	-82.9	12.4	0.9	JERSEY, CHANNEL ISLANDS		2	358	0.10	3.44	0.00	
20140711	123044.1	49.15	-2.41	369.8	-82.9	12.4	0.6	JERSEY, CHANNEL ISLANDS		2	358	0.10	3.19	0.00	
20140711	125640.6	49.15	-2.41	369.8	-82.9	12.4	0.5	JERSEY, CHANNEL ISLANDS		2	358	0.10	2.24	0.00	
20140711	130914.6	49.15	-2.41	369.8	-82.9	12.4	1.2	JERSEY, CHANNEL ISLANDS		6	345	0.10	8.08	0.00	
20140711	152014.6	49.15	-2.41	369.8	-82.9	12.4	1.0	JERSEY, CHANNEL ISLANDS		2	358	0.10	3.38	0.00	
20140711	173908.8	49.15	-2.41	369.8	-82.9	12.4	1.0	JERSEY, CHANNEL ISLANDS		2	358	0.00	1.93	0.00	
20140712	152117.9	49.15	-2.41	369.8	-82.9	12.4	0.8	JERSEY, CHANNEL ISLANDS		2	358	0.10	5.69	0.00	
20140712	170226.9	53.25	-1.03	464.4	372.9	1.4	1.4	NEW OLLERTON, NOTTS		11	204	0.20	4.48	3.20	C/F

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20140712	214530.3	49.08	-2.33	376.1	-91.3	5.0	1.6	JERSEY,CHANNEL ISLANDS		4	266	0.20	9.04	7.60	
20140713	110241.3	48.89	-2.61	355.1	-112.4	7.8	1.4	ENGLISH CHANNEL		3	185	0.10	0.63	5.60	40KM SW JERSEY
20140716	190631.9	56.30	-3.64	298.3	713.4	7.5	0.9	AUCHTERARDER, PERTSHIRE		9	160	0.40	9.10	4.80	
20140717	014151.0	53.25	-1.03	464.5	372.9	1.6	1.9	NEW OLLERTON,NOTTS		7	197	0.10	2.59	1.40	C/F
20140717	014525.6	53.23	-1.02	465.1	371.4	1.6	0.3	NEW OLLERTON,NOTTS		7	81	0.20	2.55	2.60	C/F
20140717	144923.4	53.26	-1.03	464.8	374.0	1.1	1.9	NEW OLLERTON,NOTTS		11	278	0.10	4.08	2.10	C/F
20140717	204735.5	53.24	-1.02	465.2	372.0	1.4	1.4	NEW OLLERTON,NOTTS		7	99	0.10	1.57	1.30	C/F
20140718	031756.6	53.24	-1.02	465.1	371.6	1.0	1.7	NEW OLLERTON,NOTTS		12	78	0.10	1.66	1.30	C/F
20140718	033414.2	53.24	-1.02	465.3	371.6	1.4	0.4	NEW OLLERTON,NOTTS		7	82	0.10	1.34	1.30	C/F
20140718	045057.7	53.24	-1.02	465.2	371.6	1.2	0.4	NEW OLLERTON,NOTTS		7	79	0.10	1.34	1.50	C/F
20140718	145623.1	49.08	-2.38	372.5	-91.4	6.0	2.3	JERSEY,CHANNEL ISLANDS	2	7	95	0.00	1.08	1.10	FELT JERSEY
20140718	151405.8	49.06	-2.35	374.7	-93.1	6.0	2.1	JERSEY,CHANNEL ISLANDS	2	5	165	0.10	6.15	5.40	FELT JERSEY
20140718	151454.4	49.05	-2.34	375.2	-94.9	6.2	1.8	JERSEY,CHANNEL ISLANDS		5	170	0.00	0.64	0.00	
20140718	151530.3	49.07	-2.37	373.1	-91.7	5.9	2.0	JERSEY,CHANNEL ISLANDS		5	159	0.00	1.66	1.60	
20140718	151630.7	49.08	-2.34	375.0	-91.2	7.1	1.3	JERSEY,CHANNEL ISLANDS		4	186	0.10	3.22	0.00	
20140719	185122.2	49.08	-2.38	372.3	-91.0	6.7	1.2	JERSEY,CHANNEL ISLANDS	2	3	349	0.00	2.41	0.00	FELT JERSEY
20140721	092702.9	53.25	-1.09	460.6	373.3	1.0	0.9	NEW OLLERTON,NOTTS		5	302	0.60	9.70	2.10	C/F
20140721	093139.5	53.24	-1.01	465.9	371.8	1.0	1.1	NEW OLLERTON,NOTTS		7	94	0.20	3.35	2.90	C/F
20140722	032428.6	53.24	-1.02	465.5	371.7	1.4	1.0	NEW OLLERTON,NOTTS		12	82	0.10	1.79	1.60	C/F
20140722	032548.5	53.24	-1.04	464.3	371.9	1.6	1.1	NEW OLLERTON,NOTTS		7	92	0.30	4.70	2.80	C/F
20140722	040326.4	53.24	-1.02	465.5	371.5	1.1	0.9	NEW OLLERTON,NOTTS		6	156	0.10	1.25	1.50	C/F
20140722	052751.8	53.84	-1.98	401.1	438.0	8.9	0.9	KEIGHLEY, WEST YORKSHIRE		4	159	0.10	2.82	1.90	6KM SW KEIGHLEY
20140722	112411.2	57.62	-5.56	187.4	864.9	2.5	0.8	TORRIDON, HIGHLAND		5	117	0.30	4.43	6.20	
20140722	153856.2	53.24	-1.02	465.5	371.6	1.4	1.8	NEW OLLERTON,NOTTS		7	93	0.10	1.34	1.40	C/F
20140722	200210.3	53.24	-1.02	465.1	371.5	1.0	1.3	NEW OLLERTON,NOTTS		7	79	0.10	1.21	1.00	C/F
20140723	024107.6	53.24	-1.02	465.1	371.7	1.5	0.6	NEW OLLERTON,NOTTS		7	85	0.10	1.21	1.20	C/F
20140723	025151.9	53.24	-1.02	465.5	371.7	1.0	0.8	NEW OLLERTON,NOTTS		7	91	0.10	1.75	1.50	C/F
20140723	025406.4	53.24	-1.02	465.3	371.6	0.1	0.6	NEW OLLERTON,NOTTS		7	80	0.10	1.08	0.90	C/F
20140723	025522.1	53.24	-1.02	465.4	371.6	1.6	1.5	NEW OLLERTON,NOTTS		13	87	0.10	1.21	1.20	C/F
20140723	025821.2	53.23	-1.02	465.1	371.4	1.6	0.4	NEW OLLERTON,NOTTS		7	79	0.10	1.75	1.70	C/F
20140723	030156.7	53.24	-1.02	465.2	371.6	1.5	0.7	NEW OLLERTON,NOTTS		7	79	0.10	1.43	1.40	C/F
20140723	162436.6	49.08	-2.38	372.4	-91.3	6.2	1.3	JERSEY,CHANNEL ISLANDS		3	349	0.00	2.19	0.00	
20140723	162633.6	57.73	-5.76	176.4	877.2	7.9	1.0	GAIRLOCH, HIGHLAND		5	134	0.20	6.18	8.50	
20140723	162641.7	49.10	-2.40	370.9	-88.8	12.7	3.3	JERSEY,CHANNEL ISLANDS	3	17	84	0.30	5.63	5.30	FELT JERSEY...
20140724	144512.2	53.24	-1.02	465.5	371.6	1.5	1.6	NEW OLLERTON,NOTTS		7	89	0.10	1.43	1.40	C/F
20140725	103602.6	52.69	-0.79	481.8	310.8	3.5	1.5	OAKHAM, RUTLAND	2	4	301	0.20	2.06	0.00	FELT OAKHAM
20140725	190525.8	53.72	1.39	623.4	430.5	24.8	2.7	SOUTHERN NORTH SEA		13	262	0.40	5.18	8.90	
20140728	011210.6	56.53	-6.20	141.6	745.2	7.1	1.4	MULL, ARGYLL & BUTE		7	202	0.20	7.32	6.30	
20140728	224034.4	53.24	-1.02	465.3	371.9	1.2	0.7	NEW OLLERTON,NOTTS		6	168	0.10	1.08	1.20	C/F
20140729	171211.8	49.08	-2.37	373.1	-91.4	6.5	1.9	JERSEY,CHANNEL ISLANDS	2	6	190	0.10	6.03	1.60	FELT JERSEY

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20140729	183940.1	49.17	-2.42	369.5	-81.5	11.8	0.8	JERSEY, CHANNEL ISLANDS		3	359	0.00	3.96	0.00	
20140730	015312.2	53.23	-1.03	465.0	371.1	1.6	0.3	NEW OLLERTON, NOTTS		6	80	0.10	1.34	1.20	C/F
20140730	015527.4	53.24	-1.02	465.5	371.7	1.4	0.9	NEW OLLERTON, NOTTS		7	84	0.10	1.21	1.10	C/F
20140730	015720.2	53.24	-1.02	465.5	371.7	1.7	0.5	NEW OLLERTON, NOTTS		7	88	0.10	1.34	1.20	C/F
20140730	182232.3	53.24	-1.02	465.4	371.7	1.0	1.6	NEW OLLERTON, NOTTS		7	84	0.10	1.43	1.20	C/F
20140730	232755.7	53.24	-1.02	465.3	371.7	1.0	0.4	NEW OLLERTON, NOTTS		5	134	0.10	1.43	1.70	C/F
20140731	202412.5	51.72	-3.68	284.1	204.2	5.7	0.9	NEATH, NEATH PORT TALBOT		5	212	0.20	3.91	1.30	11KM NE NEATH
20140802	085803.2	52.70	-0.78	482.6	312.3	2.1	1.1	OAKHAM, RUTLAND		4	175	0.20	4.40	4.00	
20140805	173043.8	52.70	-0.77	483.4	312.5	2.9	1.4	OAKHAM, RUTLAND		4	175	0.30	5.16	5.20	
20140806	104932.4	49.07	-2.37	373.1	-92.4	6.4	1.0	JERSEY, CHANNEL ISLANDS		3	348	0.00	0.57	0.00	
20140810	113334.9	57.23	-5.76	173.0	821.5	7.7	1.0	ISLE OF SKYE, HIGHLAND		4	159	0.20	5.22	3.40	9KM ESE BROADFORD
20140810	192559.3	53.23	-1.02	465.1	371.4	0.4	1.3	NEW OLLERTON, NOTTS		7	85	0.10	1.12	2.20	C/F
20140810	200933.7	53.23	-1.02	465.5	371.4	0.3	0.5	NEW OLLERTON, NOTTS		7	105	0.10	1.12	1.80	C/F
20140810	201416.4	53.24	-1.02	465.1	372.0	1.0	0.6	NEW OLLERTON, NOTTS		7	95	0.10	1.12	1.50	C/F
20140812	233226.4	53.24	-1.03	464.9	371.9	1.7	0.8	NEW OLLERTON, NOTTS		7	97	0.10	1.43	1.20	C/F
20140813	021306.0	53.24	-1.02	465.4	371.7	0.9	1.0	NEW OLLERTON, NOTTS		7	82	0.10	1.21	1.70	C/F
20140813	040551.2	49.07	-2.34	375.2	-92.6	5.7	1.4	JERSEY, CHANNEL ISLANDS		4	268	0.10	6.21	5.00	
20140813	153702.0	53.24	-1.02	465.1	371.8	1.4	1.8	NEW OLLERTON, NOTTS		7	87	0.10	1.43	1.20	C/F
20140813	153905.3	53.24	-1.02	465.6	371.6	1.4	1.7	NEW OLLERTON, NOTTS		7	95	0.10	1.34	1.40	C/F
20140814	010046.6	53.24	-1.02	465.2	371.5	0.1	1.0	NEW OLLERTON, NOTTS		6	122	0.20	2.86	1.60	C/F
20140814	010550.3	53.62	-1.12	458.3	414.1	1.1	1.4	ASKERN, SOUTH YORKSHIRE		5	175	0.20	3.35	0.00	C/F
20140814	011320.8	53.61	-1.14	456.8	413.1	1.1	1.7	ASKERN, SOUTH YORKSHIRE		9	116	0.40	4.52	0.00	C/F
20140814	012727.1	53.24	-1.02	465.3	371.9	0.4	1.3	NEW OLLERTON, NOTTS		6	133	0.10	1.17	2.30	C/F
20140817	205726.9	52.02	-2.80	345.3	236.3	7.5	1.1	HEREFORD, HEREFORDSHIRE		4	137	0.30	7.29	9.60	6KM SW HEREFORD
20140818	111845.0	53.24	-1.02	465.1	371.6	1.0	1.5	NEW OLLERTON, NOTTS		7	80	0.10	0.89	1.10	C/F
20140818	213151.6	53.01	-4.01	264.9	347.5	12.1	1.0	BEDDGELERT, GWYNEDD	3	9	158	0.20	4.22	2.60	FELT PORTHMADOG...
20140819	131018.7	53.24	-1.02	465.3	371.6	1.4	0.4	NEW OLLERTON, NOTTS		5	139	0.10	1.35	1.60	C/F
20140819	221630.6	53.61	-1.12	458.0	413.0	1.2	0.8	ASKERN, SOUTH YORKSHIRE		4	175	0.10	2.34	1.70	C/F
20140821	011701.6	53.24	-1.02	465.3	371.5	1.7	1.5	NEW OLLERTON, NOTTS		7	85	0.10	1.21	1.10	C/F
20140822	015332.4	53.24	-1.02	465.5	371.6	1.3	0.9	NEW OLLERTON, NOTTS		7	94	0.10	1.43	1.50	C/F
20140822	111948.8	58.77	-4.18	273.7	988.6	15.2	2.0	OFF BETTYHILL, HIGHLAND		7	160	0.20	5.28	2.00	25KM NORTH BETTYHILL
20140824	024714.5	53.24	-1.02	465.1	371.6	1.7	0.5	NEW OLLERTON, NOTTS		7	79	0.10	1.12	1.00	C/F
20140824	232859.7	53.24	-1.02	465.5	371.7	1.3	1.7	NEW OLLERTON, NOTTS		7	87	0.10	1.30	1.10	C/F
20140825	200913.3	54.88	-3.25	319.7	554.6	8.0	0.7	WIGTON, CUMBRIA		4	160	0.20	4.88	6.70	
20140826	193524.3	53.24	-1.02	465.1	371.5	1.7	0.5	NEW OLLERTON, NOTTS		6	148	0.10	1.30	1.10	C/F
20140827	152949.9	53.24	-1.02	465.4	371.6	1.4	0.6	NEW OLLERTON, NOTTS		6	143	0.10	1.66	1.20	C/F
20140827	162554.6	53.24	-1.03	464.8	371.7	1.3	0.8	NEW OLLERTON, NOTTS		7	85	0.10	0.98	1.00	C/F
20140829	131130.0	53.24	-1.02	465.3	371.8	1.7	1.7	NEW OLLERTON, NOTTS		7	82	0.10	1.21	1.10	C/F
20140829	161433.2	53.24	-1.02	465.1	371.7	1.1	1.7	NEW OLLERTON, NOTTS		7	83	0.10	1.21	1.40	C/F
20140829	164948.2	53.24	-1.02	465.3	371.5	1.4	1.6	NEW OLLERTON, NOTTS		7	87	0.10	1.43	1.30	C/F

TABLE 1 : CATALOGUE OF EVENTS : 2014

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20140830	212845.4	53.23	-1.02	465.2	371.1	1.0	0.4	NEW OLLERTON,NOTTS		4	177	0.00	0.89	0.60	C/F
20140831	071412.1	56.67	-6.31	135.9	761.5	4.8	2.4	ARDNAMURCHAN,HIGHLAND	3	15	173	0.40	0.29	7.10	FELT KILCHOAN...
20140831	224109.8	53.24	-1.03	464.7	371.8	0.9	0.1	NEW OLLERTON,NOTTS		6	90	0.10	0.98	1.20	C/F
20140901	010854.5	53.24	-1.02	465.4	371.6	1.3	0.8	NEW OLLERTON,NOTTS		7	86	0.10	1.52	1.70	C/F
20140901	141657.2	53.24	-1.02	465.5	371.7	1.4	1.1	NEW OLLERTON,NOTTS		7	83	0.10	1.34	1.20	C/F
20140901	153032.9	53.24	-1.02	465.4	371.5	1.7	1.5	NEW OLLERTON,NOTTS		7	89	0.10	1.43	1.30	C/F
20140901	164157.4	53.24	-1.02	465.3	371.8	1.3	1.0	NEW OLLERTON,NOTTS		7	85	0.10	1.66	1.50	C/F
20140901	171143.3	53.23	-1.03	464.6	370.8	1.6	0.5	NEW OLLERTON,NOTTS		6	149	0.10	1.92	1.40	C/F
20140902	013514.9	53.24	-1.02	465.3	371.5	1.4	0.5	NEW OLLERTON,NOTTS		7	88	0.10	1.12	1.20	C/F
20140902	042012.0	53.24	-1.02	465.6	371.8	1.5	0.6	NEW OLLERTON,NOTTS		7	89	0.10	1.12	1.20	C/F
20140902	162859.1	53.24	-1.02	465.3	371.7	1.6	0.7	NEW OLLERTON,NOTTS		7	80	0.10	1.43	1.40	C/F
20140902	203128.2	53.24	-1.02	465.4	371.7	1.6	1.5	NEW OLLERTON,NOTTS		14	80	0.10	1.30	1.20	C/F
20140902	204102.0	53.24	-1.02	465.1	371.8	0.6	0.8	NEW OLLERTON,NOTTS		7	87	0.10	0.98	1.50	C/F
20140902	204625.4	53.24	-1.02	465.4	371.7	0.7	0.6	NEW OLLERTON,NOTTS		7	81	0.10	0.89	1.60	C/F
20140902	212123.0	53.24	-1.02	465.6	371.7	1.2	0.4	NEW OLLERTON,NOTTS		7	91	0.10	1.43	1.70	C/F
20140904	062254.8	53.24	-1.02	465.3	371.8	0.3	1.1	NEW OLLERTON,NOTTS		7	83	0.20	1.21	5.20	C/F
20140904	093648.0	53.23	-1.03	464.9	371.2	1.3	0.8	NEW OLLERTON,NOTTS		5	131	0.10	1.48	1.00	C/F
20140906	000316.1	53.23	-1.02	465.2	370.7	1.3	0.2	NEW OLLERTON,NOTTS		4	235	0.10	1.12	0.70	C/F
20140907	202850.3	53.24	-1.02	465.4	371.8	1.4	0.6	NEW OLLERTON,NOTTS		6	82	0.10	1.52	1.40	C/F
20140908	213408.4	54.64	-5.12	199.0	532.1	2.9	0.9	NORTH CHANNEL		11	98	0.30	3.61	7.70	
20140909	153307.4	53.24	-1.02	465.5	371.9	1.0	0.6	NEW OLLERTON,NOTTS		6	120	0.10	1.43	1.90	C/F
20140909	181338.6	52.58	-1.92	405.1	298.1	7.5	1.1	WALSALL, WEST MIDLANDS		5	163	0.30	4.31	2.20	
20140910	132825.9	53.22	-1.02	465.3	369.1	1.3	0.6	NEW OLLERTON,NOTTS		7	233	0.10	1.34	1.00	C/F
20140910	133054.7	53.22	-1.02	465.3	369.1	1.3	1.0	NEW OLLERTON,NOTTS		7	232	0.10	1.03	0.80	C/F
20140910	141809.8	53.21	-1.02	465.5	368.9	1.4	1.4	NEW OLLERTON,NOTTS		7	253	0.00	0.58	0.50	C/F
20140910	165827.3	53.24	-1.02	465.3	371.8	1.4	1.6	NEW OLLERTON,NOTTS		7	85	0.10	1.12	1.20	C/F
20140910	184607.8	53.22	-1.02	465.5	369.1	1.5	1.0	NEW OLLERTON,NOTTS		7	238	0.00	0.54	0.40	C/F
20140911	223143.3	53.69	-1.13	457.6	421.9	1.0	1.9	HENSALL,N YORKSHIRE	3	14	102	0.40	5.72	5.60	C/F, FELT HENSALL
20140912	041724.3	53.23	-1.03	464.6	371.0	1.4	0.9	NEW OLLERTON,NOTTS		6	113	0.10	2.01	1.40	C/F
20140912	193416.8	53.24	-1.02	465.5	371.6	1.3	0.5	NEW OLLERTON,NOTTS		7	93	0.10	1.34	1.20	C/F
20140919	191643.3	55.80	-5.44	184.3	661.4	12.1	1.4	TARBERT,ARGYLL & BUTE		11	154	0.20	4.47	6.00	
20140929	014329.8	56.52	-6.36	132.0	744.4	4.7	1.4	MULL,ARGYLL & BUTE		8	210	0.40	6.02	5.80	
20140930	105908.0	58.42	1.76	619.4	954.1	11.0	3.1	CENTRAL NORTH SEA		18	159	0.40	1.46	5.20	270KM ENE ABERDEEN
20141002	195432.6	53.23	-1.02	465.4	371.4	0.5	0.9	NEW OLLERTON,NOTTS		7	98	0.20	1.57	2.80	C/F
20141003	204906.9	49.04	-2.30	378.0	-95.4	7.7	2.0	JERSEY,CHANNEL ISLANDS	3	5	128	0.30	2.23	7.00	FELT JERSEY
20141004	001513.3	53.24	-1.02	465.6	371.9	1.1	1.1	NEW OLLERTON,NOTTS		6	178	0.10	1.44	1.60	C/F
20141005	111244.2	53.23	-1.02	465.1	370.9	0.4	1.6	NEW OLLERTON,NOTTS		7	89	0.30	2.55	6.10	C/F
20141005	125558.6	53.23	-1.02	465.6	371.1	1.2	0.4	NEW OLLERTON,NOTTS		7	117	0.20	1.88	2.10	C/F
20141007	210533.7	53.23	-1.02	465.5	371.1	1.0	1.1	NEW OLLERTON,NOTTS		6	111	0.10	1.30	1.60	C/F
20141010	024447.5	53.23	-1.02	465.5	371.0	0.2	1.2	NEW OLLERTON,NOTTS		6	114	0.10	1.21	5.40	C/F

TABLE 1 : CATALOGUE OF EVENTS : 2014

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20141012	225744.4	53.23	-1.02	465.7	371.1	0.7	0.6	NEW OLLERTON,NOTTS		6	124	0.10	1.34	2.10	C/F
20141012	230122.7	53.23	-1.01	465.7	371.1	1.4	0.5	NEW OLLERTON,NOTTS		6	129	0.10	1.66	1.80	C/F
20141015	200508.2	52.76	-2.85	342.4	318.9	5.3	1.0	SHREWSBURY, SHROPSHIRE		8	216	0.20	5.42	2.90	
20141016	224342.6	62.10	2.24	621.3	1364.8	19.6	3.9	NORTHERN NORTH SEA		22	204	0.30	4.70	6.00	280KM NE LERWICK
20141017	010000.2	53.31	-4.92	205.3	383.8	9.1	0.9	IRISH SEA		6	154	0.10	1.84	2.20	20KM WEST HOLYHEAD
20141017	210302.5	53.23	-1.01	465.7	371.0	1.1	1.3	NEW OLLERTON,NOTTS		6	134	0.10	1.43	1.70	C/F
20141018	232357.4	57.77	-4.23	267.2	878.0	2.5	1.2	ALNESS, HIGHLAND		6	225	0.50	0.02	5.90	8KM NNE ALNESS
20141020	214352.4	53.23	-1.02	465.2	371.3	1.1	1.3	NEW OLLERTON,NOTTS		6	89	0.10	1.30	1.40	C/F
20141021	213042.3	53.23	-1.01	466.0	371.2	1.0	0.6	NEW OLLERTON,NOTTS		5	205	0.10	1.52	1.80	C/F
20141021	225021.5	53.23	-1.02	465.3	371.3	0.8	1.4	NEW OLLERTON,NOTTS		9	93	0.10	1.43	1.80	C/F
20141023	151443.9	53.23	-1.02	465.2	370.6	1.0	0.9	NEW OLLERTON,NOTTS		4	250	0.00	0.32	0.20	C/F
20141023	204155.8	53.23	-1.02	465.6	371.0	0.1	0.9	NEW OLLERTON,NOTTS		6	119	0.10	1.12	6.80	C/F
20141024	052003.8	53.23	-1.02	465.6	370.8	0.3	1.0	NEW OLLERTON,NOTTS		6	128	0.20	1.70	4.30	C/F
20141024	172715.7	53.22	-1.04	464.2	369.2	1.4	1.0	NEW OLLERTON,NOTTS		4	312	0.10	1.53	1.00	C/F
20141025	082639.4	52.32	-2.63	356.9	269.4	5.5	1.0	BRIMFIELD, HEREFORDSHIRE		5	223	0.10	2.14	1.00	
20141025	210828.2	55.80	-6.39	124.9	665.0	7.5	1.1	ISLAY, ARGYLL & BUTE		5	243	0.40	9.33	5.50	
20141026	182919.4	53.07	-0.73	485.0	352.9	1.7	1.7	NEWARK-ON-TRENT, NOTTS		7	183	0.50	8.78	5.10	
20141028	191654.6	53.06	-1.19	454.2	351.4	7.1	2.6	MANSFIELD, NOTTS	3	13	141	0.30	1.72	4.50	FELT MANSFIELD...
20141029	163849.9	53.23	-1.02	465.6	371.4	0.2	1.4	NEW OLLERTON,NOTTS		6	108	0.20	2.01	3.90	C/F
20141029	164000.0							SONIC - KENT	3	1					FELT SE ENGLAND
20141030	015438.0	52.15	-2.50	365.9	250.6	13.2	1.2	BROMYARD, HEREFORDSHIRE		6	100	0.10	2.25	5.30	
20141030	054456.0	53.23	-1.02	465.4	371.0	1.0	0.6	NEW OLLERTON,NOTTS		6	109	0.20	1.97	2.20	C/F
20141104	155018.5	52.02	-3.53	294.8	237.1	8.2	0.9	BRECON, POWYS		3	260	0.10	3.98	4.10	12KM NW BRECON
20141106	051136.5	56.33	-4.48	246.6	717.6	2.5	0.8	BALQUHIDDER, STIRLING		5	113	0.30	3.73	2.90	
20141107	144426.9	49.05	-2.31	377.3	-94.7	7.9	2.2	JERSEY, CHANNEL ISLANDS	3	5	125	0.50	6.40	0.00	FELT JERSEY
20141108	060056.1	51.69	-3.07	325.8	200.0	1.7	1.9	PONTYPOOL, TORFAEN		12	125	0.30	4.30	3.80	
20141110	202402.3	52.87	-2.12	392.1	329.8	8.7	1.3	STONE, STAFFORDSHIRE		4	117	0.20	2.08	6.70	
20141113	092338.6	55.80	-3.21	324.2	656.8	3.9	2.2	PENICUIK, MIDLOTHIAN	3	15	51	0.30	3.53	4.70	FELT PENICUIK
20141114	112358.8	55.10	-3.65	294.5	579.9	2.5	2.6	DUMFRIES, D & G	3	14	55	0.40	4.10	4.80	FELT DUMFRIES...
20141122	211439.1	54.27	-2.49	368.4	485.8	7.1	0.9	SEDBERGH, CUMBRIA		5	124	0.50	5.55	3.00	
20141125	063805.9	56.40	-4.82	226.2	726.6	7.8	0.8	INVERLOCHY, ARGYLL/BUTE		5	119	0.20	4.36	7.00	
20141125	063832.2	56.41	-4.83	225.7	727.9	7.7	0.6	INVERLOCHY, ARGYLL/BUTE		3	203	0.40	1.27	0.00	
20141201	035632.1	53.85	-3.76	284.0	441.3	4.3	0.9	IRISH SEA		7	97	0.10	1.75	3.30	50KW WEST BLACKPOOL
20141203	215705.2	55.80	-3.19	325.6	657.2	6.4	2.0	PENICUIK, MIDLOTHIAN	3	12	68	0.20	2.82	2.20	FELT PENICUIK...
20141204	160706.5	51.67	-3.11	323.0	197.0	6.1	1.9	NEWBRIDGE, CAERPHILLY	2	7	142	0.10	1.72	1.60	FELT CARDIFF
20141206	110541.3	53.68	-1.14	457.1	421.0	1.1	1.9	HENSALL, N YORKSHIRE	2	7	172	0.40	5.82	0.00	C/F, FELT HENSALL
20141209	073102.0	53.08	-1.23	451.9	353.8	2.4	2.1	MANSFIELD, NOTTS	3	11	134	0.50	5.82	5.00	FELT ANNESLEY...
20141211	180248.0	52.32	-2.59	360.1	269.6	7.0	0.7	TENBURY WELLS, WORCS		4	229	0.90	8.33	2.40	
20141217	034634.0	57.70	-4.26	265.3	870.2	8.7	1.2	ALNESS, HIGHLAND		7	116	0.20	3.09	6.10	
20141223	001540.4	56.08	-5.03	211.7	692.0	4.1	0.6	LOCH ECK, ARGYLL & BUTE		4	155	0.30	6.24	8.80	

TABLE 1 : CATALOGUE OF EVENTS : 2014

YearMoDy	HrMnSecs	Lat	Lon	kmE	kmN	Dep	Mag	Locality	Int	No	Gap	RMS	ERH	ERZ	Comments
20141224	082102.5	54.51	-3.05	332.0	513.4	13.4	2.0	GRASMERE,CUMBRIA	3	10	74	0.40	3.47	2.90	FELT GRASMERE...
20141225	043414.8	56.64	-5.25	200.8	754.4	7.7	1.0	BALLACHULISH,HIGHLAND	2	4	150	0.10	1.48	4.90	FELT BALLACHULISH
20141230	152931.2	52.27	-3.17	319.8	264.3	9.0	0.8	KNIGHTON,POWYS		6	94	0.10	1.68	2.40	11KM SW KNIGHTON

TABLE 2 : PHASE DATA

HPK HZ 92.1 EP	23:33	31.77		0.48	GDLE HN 136.0 IAML	14:35	35.29	17	0.22
HPK HN 92.1 ES	23:33	42.12		-0.28	GDLE HE 136.0 IAML	14:35	36.81	8	0.24
HPK HN 92.1 IAML	23:33	46.93	26	0.20	HLM1 HZ 145.0 EP	14:35	19.07		1.45
HPK HE 92.1 IAML	23:33	48.13	18	0.28	HLM1 HE 145.0 ES	14:35	36.50		1.39
HLM1 HZ 147.0 EP	23:33	40.91		1.35	HLM1 HN 145.0 IAML	14:35	40.10	14	0.28
HLM1 HN 147.0 ES	23:33	58.35		1.65	HLM1 HE 145.0 IAML	14:35	40.40	18	0.26
HLM1 HN 147.0 IAML	23:34	02.05	12	0.34	FOEL HZ 148.0 EP	14:35	19.42		1.35
HLM1 HE 147.0 IAML	23:34	02.19	15	0.28	FOEL HN 148.0 ES	14:35	38.25		2.36
FOEL HZ 150.0 EP	23:33	41.31		1.27	FOEL HE 148.0 ES	14:35	38.65		
FOEL HE 150.0 ES	23:34	00.50		2.97	FOEL HE 148.0 IAML	14:35	40.01	13	0.46
FOEL HE 150.0 IAML	23:34	01.66	8	0.43	FOEL HN 148.0 IAML	14:35	40.68	9	0.46
FOEL HN 150.0 IAML	23:34	01.70	10	0.34					
January 11 2014 Time: 23:46 59.4 UTC Magnitude: 1.5 ML Lat: 53.204N Lon: -1.054W Depth: 1.7 km Grid Ref: 463.18 kmE 367.89 kmN RMS: 0.40 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 100.0 Xfar: 150.0 Comment: C/F,FELT N OLLERTON Intensity: 3									
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES									
LBWR HZ 49.8 EP	23:47	08.36		-0.18	LBWR HZ 50.1 EP	04:11	53.39		-0.10
LBWR HN 49.8 ES	23:47	15.33		0.14	LBWR HN 50.1 ES	04:12	00.21		-0.06
LBWR HE 49.8 IAML	23:47	16.44	26	0.18	LBWR HE 50.1 IAML	04:12	01.54	22	0.16
LBWR HN 49.8 IAML	23:47	16.77	43	0.36	LBWR HN 50.1 IAML	04:12	01.96	38	0.35
CWF HZ 54.6 EP	23:47	09.15		-0.11	CWF HZ 54.3 EP	04:11	54.08		-0.05
CWF HE 54.6 ES	23:47	16.47		0.03	CWF HE 54.3 ES	04:12	01.45		0.07
CWF HN 54.6 IAML	23:47	16.55	6	0.17	CWF HN 54.3 IAML	04:12	01.56	5	0.17
CWF HE 54.6 IAML	23:47	16.68	6	0.17	CWF HE 54.3 IAML	04:12	01.88	8	0.42
HPK HZ 92.0 EP	23:47	15.35		0.28	HPK HZ 92.3 EP	04:11	59.94		-0.09
HPK HE 92.0 ES	23:47	26.23		-0.26	HPK HN 92.3 ES	04:12	11.62		0.03
HPK HN 92.0 IAML	23:47	30.59	31	0.22	HPK HE 92.3 IAML	04:12	12.77	14	0.20
HPK HE 92.0 IAML	23:47	31.66	22	0.30	HPK HN 92.3 IAML	04:12	15.08	26	0.18
GDLE HN 136.0 ES	23:47	39.30		0.96	GDLE HZ 137.0 EP	04:12	08.00		1.13
HLM1 HZ 145.0 EP	23:47	24.59		1.44	GDLE HN 137.0 ES	04:12	24.76		1.34
HLM1 HE 145.0 ES	23:47	42.04		1.56	GDLE HN 137.0 IAML	04:12	25.66	16	0.26
HLM1 HN 145.0 IAML	23:47	45.44	15	0.22	GDLE HE 137.0 IAML	04:12	27.27	8	0.20
HLM1 HE 145.0 IAML	23:47	45.87	18	0.28	HLM1 HZ 145.0 EP	04:12	09.58		1.51
FOEL HZ 148.0 EP	23:47	25.02		1.39	HLM1 HN 145.0 ES	04:12	26.93		1.44
FOEL HE 148.0 ES	23:47	43.46		2.15	HLM1 HE 145.0 IAML	04:12	30.58	12	0.30
FOEL HN 148.0 IAML	23:47	45.21	12	0.34	HLM1 HE 145.0 IAML	04:12	30.88	16	0.28
FOEL HE 148.0 IAML	23:47	45.31	12	0.36	FOEL HZ 148.0 EP	04:12	10.04		1.48
					FOEL HE 148.0 ES	04:12	28.72		2.37
					FOEL HN 148.0 IAML	04:12	29.31	39	0.94
					FOEL HE 148.0 IAML	04:12	29.43	13	0.60
January 13 2014 Time: 00:13 16.4 UTC Magnitude: 1.5 ML Lat: 53.209N Lon: -1.030W Depth: 1.3 km Grid Ref: 464.78 kmE 368.46 kmN RMS: 0.20 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 100.0 Xfar: 150.0 Comment: C/F,FELT N OLLERTON Intensity: 3									
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES									
LBWR HZ 51.0 EP	00:13	25.29		0.00	LBWR HZ 50.2 EP	01:57	33.27		-0.19
LBWR HN 51.0 ES	00:13	31.98		0.16	LBWR HN 50.2 ES	01:57	40.34		0.23
LBWR HE 51.0 IAML	00:13	33.27	34	0.20	LBWR HE 50.2 IAML	01:57	41.57	35	0.18
LBWR HN 51.0 IAML	00:13	33.65	51	0.29	LBWR HN 50.2 IAML	01:57	41.99	48	0.35
CWF HZ 55.6 EP	00:13	25.78		-0.19	CWF HZ 54.9 EP	01:57	34.05		-0.10
CWF HN 55.6 ES	00:13	33.02		0.02	CWF HN 54.9 ES	01:57	41.33		0.02
CWF HE 55.6 IAML	00:13	33.19	15	0.51	CWF HE 54.9 IAML	01:57	41.58	7	0.16
CWF HN 55.6 IAML	00:13	35.64	6	0.18	CWF HE 54.9 IAML	01:57	45.46	8	0.28
HPK HZ 92.2 EP	00:13	31.73		0.08	HPK HZ 92.1 EP	01:57	40.12		0.19
HPK HE 92.2 ES	00:13	42.63		-0.19	HPK HN 92.1 ES	01:57	50.95		-0.36
HPK HN 92.2 IAML	00:13	44.49	20	0.17	HPK HE 92.1 IAML	01:57	55.12	34	0.20
HPK HN 92.2 IAML	00:13	46.79	35	0.17	HPK HE 92.1 IAML	01:57	56.84	24	0.31
WACR HZ 124.0 EP	00:13	36.94		0.42	GDLE HZ 136.0 EP	01:57	47.86		1.13
FOEL HZ 150.0 EP	00:13	41.47		1.13	GDLE HE 136.0 ES	01:58	04.41		1.34
FOEL HN 150.0 ES	00:14	00.63		2.77	GDLE HN 136.0 IAML	01:58	05.82	23	0.28
FOEL HE 150.0 IAML	00:14	02.01	14	0.36	GDLE HE 136.0 IAML	01:58	07.33	12	0.24
FOEL HN 150.0 IAML	00:14	02.87	15	0.50	HLM1 HZ 145.0 EP	01:57	49.53		1.46
MCH1 HZ 190.0 EP	00:13	47.22		1.60	HLM1 HN 145.0 ES	01:58	06.56		1.16
EDMD HZ 191.0 EP	00:13	48.37		2.68	HLM1 HN 145.0 IAML	01:58	10.75	16	0.30
					HLM1 HE 145.0 IAML	01:58	11.03	21	0.26
					FOEL HZ 149.0 EP	01:57	49.65		1.10
					FOEL HN 149.0 ES	01:58	08.01		1.78
					FOEL HE 149.0 IAML	01:58	11.98	11	0.26
					FOEL HN 149.0 IAML	01:58	12.00	11	0.31
					MCH1 HZ 189.0 EP	01:57	55.15		1.21
January 13 2014 Time: 14:34 53.7 UTC Magnitude: 1.5 ML Lat: 53.211N Lon: -1.052W Depth: 1.0 km Grid Ref: 463.30 kmE 368.67 kmN RMS: 0.60 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 100.0 Xfar: 150.0 Comment: C/F									
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES									
LBWR HZ 49.6 EP	14:35	02.82		-0.06					
LBWR HN 49.6 ES	14:35	09.80		0.18					
LBWR HE 49.6 IAML	14:35	11.06	26	0.16					
LBWR HN 49.6 IAML	14:35	11.47	38	0.34					
CWF HZ 55.3 EP	14:35	03.70		-0.06					
CWF HE 55.3 ES	14:35	11.11		-0.02					
CWF HN 55.3 IAML	14:35	13.05	8	0.17					
CWF HE 55.3 IAML	14:35	13.73	7	0.46					
HPK HN 91.4 ES	14:35	20.53		-0.31					
HPK HE 91.4 IAML	14:35	22.29	18	0.22					
HPK HN 91.4 IAML	14:35	25.24	28	0.20					
GDLE HZ 136.0 EP	14:35	17.54		1.33					
GDLE HN 136.0 ES	14:35	34.25		1.58					
January 16 2014 Time: 17:09 33.4 UTC Magnitude: 2.8 ML Lat: 59.480N Lon: 1.496W Depth: 8.1 km Grid Ref: 597.97 kmE 1071.15 kmN RMS: 0.30 secs Locality: NORTHERN NORTH SEA Velocity model: North Sea Xnear: 400.0 Xfar: 600.0 Comment: 165KM SE LERWICK									
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES									
SAN1 EZ 165.0 EP	17:10	06.60	4						7.95
LRW HZ 167.0 EP	17:09	58.82							-0.05
LRW HN 167.0 ES	17:10	17.54							0.09
LRW HE 167.0 IAML	17:10	18.79	215	0.22					
LRW HN 167.0 IAML	17:10	18.80	196	0.20					

TABLE 2 : PHASE DATA

HLM1 HZ 147.0 EP 03:07 09.56 1.04	FOEL HN 148.0 IAML 10:05 45.56 14 0.50
HLM1 HE 147.0 ES 03:07 27.22 1.93	MONM HE 192.0 ES 10:05 53.07 1.65
HLM1 HN 147.0 IAML 03:07 31.66 13 0.36	MONM HE 192.0 IAML 10:05 55.92 12 0.32
HLM1 HE 147.0 IAML 03:07 31.92 16 0.25	MONM HN 192.0 IAML 10:05 57.17 10 0.26
FOEL HZ 151.0 EP 03:07 09.71 0.67	
FOEL HE 151.0 ES 03:07 27.08 0.89	January 31 2014 Time: 10:10 36.1 UTC Magnitude: 1.5 ML
FOEL HE 151.0 IAML 03:07 31.41 12 0.37	Lat: 53.207N Lon: -1.033W Depth: 0.4 km
FOEL HN 151.0 IAML 03:07 32.33 12 0.51	Grid Ref: 464.58 kmE 368.24 kmN RMS: 0.10 secs
	Locality: NEW OLLERTON,NOTTS
January 28 2014 Time: 17:00 00.7 UTC Magnitude: 1.2 ML	Velocity model: Lownet Xnear: 100.0 Xfar: 150.0
Lat: 53.204N Lon: -1.020W Depth: 0.9 km	Comment: C/F,FELT N OLLERTON Intensity: 3
Grid Ref: 465.45 kmE 367.92 kmN RMS: 0.20 secs	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
Locality: NEW OLLERTON,NOTTS	LBWR HZ 50.9 EP 10:10 45.54 -0.12
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0	LBWR HN 50.9 ES 10:10 52.68 0.05
Comment: C/F	LBWR HE 50.9 IAML 10:10 53.60 36 0.14
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	LBWR HN 50.9 IAML 10:10 53.92 50 0.34
LBWR HZ 51.9 EP 17:00 09.53 -0.10	CWF HZ 55.3 EP 10:10 46.43 0.12
LBWR HN 51.9 ES 17:00 16.22 0.05	CWF HE 55.3 ES 10:10 53.69 -0.08
LBWR HE 51.9 IAML 17:00 17.38 22 0.16	CWF HN 55.3 IAML 10:10 57.14 7 0.22
LBWR HN 51.9 IAML 17:00 17.64 22 0.18	CWF HE 55.3 IAML 10:10 57.44 10 0.22
CWF HZ 55.3 EP 17:00 10.23 0.10	HPK HE 92.3 ES 10:11 03.74 0.02
CWF HN 55.3 ES 17:00 16.98 -0.06	HPK HN 92.3 IAML 10:11 07.20 37 0.20
CWF HN 55.3 IAML 17:00 17.66 7 0.34	HPK HE 92.3 IAML 10:11 08.04 24 0.32
CWF HE 55.3 IAML 17:00 21.26 7 0.22	GDLE HN 136.0 ES 10:11 15.43 0.04
HPK HE 93.0 ES 17:00 27.15 0.00	GDLE HE 136.0 IAML 10:11 17.06 8 0.26
HPK HE 93.0 IAML 17:00 30.69 9 0.21	GDLE HN 136.0 IAML 10:11 17.10 24 0.22
HPK HN 93.0 IAML 17:00 30.83 9 0.20	FOEL HZ 150.0 EP 10:11 01.88 1.09
HLM1 HZ 147.0 EP 17:00 25.53 1.46	FOEL HE 150.0 ES 10:11 19.05 0.24
HLM1 HN 147.0 ES 17:00 42.42 1.26	FOEL HN 150.0 IAML 10:11 22.33 14 0.36
HLM1 HN 147.0 IAML 17:00 44.56 6 0.25	FOEL HE 150.0 IAML 10:11 22.63 11 0.35
HLM1 HE 147.0 IAML 17:00 45.29 4 0.28	
January 29 2014 Time: 03:32 29.5 UTC Magnitude: 1.6 ML	January 31 2014 Time: 21:36 43.6 UTC Magnitude: 1.3 ML
Lat: 49.357N Lon: -2.380W Depth: 6.8 km	Lat: 53.204N Lon: -1.054W Depth: 1.4 km
Grid Ref: 372.41 kmE -60.25 kmN RMS: 0.00 secs	Grid Ref: 463.18 kmE 367.89 kmN RMS: 0.40 secs
Locality: GUERNSEY,CHANNEL ISLES	Locality: NEW OLLERTON,NOTTS
Velocity model: Lownet Xnear: 50.0 Xfar: 100.0	Velocity model: Lownet Xnear: 100.0 Xfar: 150.0
Comment: 12KM SE GUERNSEY	Comment: C/F,FELT N OLLERTON Intensity: 3
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
JVM EZ 20.0 IP C 03:32 33.54 0.06	LBWR HZ 49.8 EP 21:36 53.25 0.50
JVM EZ 20.0 ES 03:32 36.35 -0.02	LBWR HN 49.8 ES 21:36 59.48 0.03
JLP EZ 23.4 IP C 03:32 34.02 -0.03	LBWR HE 49.8 IAML 21:37 00.75 24 0.21
JLP EZ 23.4 ES 03:32 37.35 -0.01	LBWR HN 49.8 IAML 21:37 01.16 33 0.34
JSA HZ 24.2 EP 03:32 34.17 0.01	CWF HZ 54.5 EP 21:36 53.25 -0.22
JSA HN 24.2 ES 03:32 37.55 0.01	CWF HN 54.5 ES 21:37 00.32 -0.38
JSA HN 24.2 IAML 03:32 37.78 150 0.07	CWF HN 54.5 IAML 21:37 00.72 5 0.17
JSA HE 24.2 IAML 03:32 37.82 124 0.14	CWF HE 54.5 IAML 21:37 04.62 7 0.23
JRS EZ 27.8 EP 03:32 34.70 -0.03	GDLE HN 136.0 ES 21:37 23.67 1.05
JRS EE 27.8 ES 03:32 38.49 -0.05	GDLE HN 136.0 IAML 21:37 24.97 14 0.27
JRS EN 27.8 IAML 03:32 38.77 92 0.10	GDLE HE 136.0 IAML 21:37 26.01 7 0.20
JRS EE 27.8 IAML 03:32 38.83 139 0.16	HLM1 HZ 145.0 EP 21:37 07.28 -0.09
JDC EZ 30.2 EP 03:32 35.10 0.00	HLM1 HE 145.0 ES 21:37 25.48 0.74
JQE EZ 30.4 IP C 03:32 35.14 0.01	HLM1 HN 145.0 IAML 21:37 29.91 10 0.34
JQE EZ 30.4 ES 03:32 39.36 0.14	HLM1 HE 145.0 IAML 21:37 30.05 13 0.26
JDG EZ 30.2 IP D 03:32 35.07 -0.02	FOEL HE 148.0 IAML 21:37 29.89 8 0.47
JDG EN 30.2 ES 03:32 39.10 -0.06	FOEL HN 148.0 IAML 21:37 30.58 10 0.49
JDG EN IAML 03:32 39.32 51 0.22	
JDG EE IAML 03:32 39.37 54 0.13	February 2 2014 Time: 11:49 43.5 UTC Magnitude: 1.4 ML
	Lat: 53.226N Lon: -0.949W Depth: 1.0 km
January 30 2014 Time: 10:04 58.6 UTC Magnitude: 1.6 ML	Grid Ref: 470.16 kmE 370.43 kmN RMS: 0.10 secs
Lat: 53.201N Lon: -1.056W Depth: 0.1 km	Locality: NEW OLLERTON,NOTTS
Grid Ref: 463.05 kmE 367.55 kmN RMS: 0.60 secs	Velocity model: Lownet Xnear: 100.0 Xfar: 150.0
Locality: NEW OLLERTON,NOTTS	Comment: C/F,FELT N OLLERTON Intensity: 3
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
Comment: C/F,FELT N OLLERTON Intensity: 3	LBWR HZ 55.3 EP 11:49 53.00 -0.10
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	LBWR HN 55.3 ES 11:50 00.16 0.06
LBWR HZ 49.8 EP 10:05 07.82 -0.23	LBWR HE 55.3 IAML 11:50 01.17 28 0.15
LBWR HE 49.8 ES 10:05 15.31 0.37	LBWR HN 55.3 IAML 11:50 01.42 46 0.34
LBWR HE 49.8 IAML 10:05 15.87 38 0.16	CWF HZ 59.3 EP 11:49 53.79 0.10
LBWR HN 49.8 IAML 10:05 16.20 55 0.34	CWF HE 59.3 ES 11:50 01.05 -0.06
CWF HZ 54.2 EP 10:05 08.68 -0.06	CWF HN 59.3 IAML 11:50 02.64 6 0.23
CWF HE 54.2 ES 10:05 15.94 -0.19	CWF HE 59.3 IAML 11:50 04.93 9 0.24
CWF HN 54.2 IAML 10:05 17.94 8 0.20	HLM1 HN 152.0 ES 11:50 26.27 1.75
CWF HE 54.2 IAML 10:05 19.71 10 0.24	HLM1 HN 152.0 IAML 11:50 30.19 14 0.33
HPK HZ 92.3 EP 10:05 15.55 0.91	HLM1 HE 152.0 IAML 11:50 30.49 18 0.24
HPK HN 92.3 ES 10:05 25.39 -0.95	
HPK HN 92.3 IAML 10:05 29.48 37 0.20	February 3 2014 Time: 10:30 26.3 UTC Magnitude: 1.4 ML
HPK HE 92.3 IAML 10:05 30.93 26 0.28	Lat: 53.201N Lon: -1.024W Depth: 1.0 km
GDLE HZ 137.0 EP 10:05 22.36 0.85	Grid Ref: 465.19 kmE 367.58 kmN RMS: 0.30 secs
GDLE HN 137.0 ES 10:05 39.15 0.92	Locality: NEW OLLERTON,NOTTS
GDLE HE 137.0 IAML 10:05 41.70 12 0.38	Velocity model: Lownet Xnear: 100.0 Xfar: 150.0
GDLE HN 137.0 IAML 10:05 41.99 25 0.28	Comment: C/F,FELT N OLLERTON Intensity: 3
HLM1 HZ 145.0 EP 10:05 24.15 1.49	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
HLM1 HN 145.0 ES 10:05 40.92 0.70	LBWR HZ 51.7 EP 10:30 35.98 0.12
HLM1 HN 145.0 IAML 10:05 44.96 15 0.32	LBWR HN 51.7 ES 10:30 42.68 -0.17
HLM1 HE 145.0 IAML 10:05 45.26 20 0.26	LBWR HE 51.7 IAML 10:30 43.62 25 0.14
FOEL HZ 148.0 EP 10:05 24.31 1.16	LBWR HN 51.7 IAML 10:30 43.96 33 0.32
FOEL HN 148.0 ES 10:05 43.16 2.10	CWF HZ 54.9 EP 10:30 36.46 0.14
FOEL HE 148.0 IAML 10:05 44.69 14 0.40	CWF HN 54.9 ES 10:30 43.55 -0.10
	CWF HN 54.9 IAML 10:30 46.97 8 0.22

TABLE 2 : PHASE DATA

LBWR HE 51.5 IAML	06:53 04.45	14 0.17								Grid Ref: 465.96 kmE 369.81 kmN	RMS: 0.10 secs
LBWR HN 51.5 IAML	06:53 04.51	17 0.32								Locality: NEW OLLERTON,NOTTS	
CWF HZ 57.5 EP	06:52 57.26		0.12							Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	
CWF HE 57.5 ES	06:53 04.25		-0.43							Comment: C/F,FELT N OLLERTON	Intensity: 3
CWF HN 57.5 IAML	06:53 05.78	4 0.33									
CWF HE 57.5 IAML	06:53 05.91	3 0.30									
HPK HN 91.3 ES	06:53 17.49		3.73								
HPK HN 91.3 IAML	06:53 17.88	16 0.50									
HPK HE 91.3 IAML	06:53 17.89	13 0.51									
HLM1 HN 148.0 ES	06:53 29.79		0.99								
HLM1 HN 148.0 IAML	06:53 33.60	6 0.31									
HLM1 HE 148.0 IAML	06:53 33.88	7 0.25									
February 8 2014	Time: 08:35 51.0 UTC	Magnitude: 0.7 ML									
Lat: 53.225N	Lon: -1.016W	Depth: 0.1 km									
Grid Ref: 465.69 kmE 370.26 kmN	RMS: 0.10 secs										
Locality: NEW OLLERTON,NOTTS											
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0											
Comment: C/F											
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES											
NOLC EZ 0.4 EP	08:35 51.08		-0.01								
NOLA HZ 1.1 IP D	08:35 51.15		-0.12								
NOLA HN 1.1 ES	08:35 51.45		-0.03								
NOLA HN 1.1 IAML	08:35 51.65	1190 0.12									
NOLA HE 1.1 IAML	08:35 51.72	1417 0.24									
NOLB EZ 2.5 EP	08:35 51.43		-0.18								
NOLD HZ 2.6 EP	08:35 51.64		0.02								
NOLD HE 2.6 ES	08:35 52.28		0.19								
NOLD HE 2.6 IAML	08:35 52.79	97 0.16									
NOLD HN 2.6 IAML	08:35 53.85	80 0.20									
NOLF HE 2.9 IAML	08:35 53.48	368 0.26									
NOLF HN 2.9 IAML	08:35 53.85	340 0.34									
NOLE HZ 3.1 EP	08:35 51.72		-0.05								
NOLE HE 3.1 ES	08:35 52.53		0.19								
NOLE HE 3.1 IAML	08:35 53.50	95 0.22									
NOLE HN 3.1 IAML	08:35 54.25	81 0.19									
February 8 2014	Time: 14:14 43.9 UTC	Magnitude: 1.5 ML									
Lat: 53.224N	Lon: -1.016W	Depth: 1.0 km									
Grid Ref: 465.69 kmE 370.14 kmN	RMS: 0.10 secs										
Locality: NEW OLLERTON,NOTTS											
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0											
Comment: C/F											
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES											
NOLC EZ 0.4 IP C	14:14 44.20		-0.03								
NOLA HZ 1.2 IP D	14:14 44.22		-0.13								
NOLA HN 1.2 ES	14:14 44.59		-0.05								
NOLA HN 1.2 IAML	14:14 44.72	5592 0.12									
NOLA HE 1.2 IAML	14:14 44.78	6909 0.26									
NOLB EZ 2.5 EP	14:14 44.52		-0.12								
NOLD HZ 2.6 EP	14:14 44.71		0.06								
NOLD HE 2.6 ES	14:14 45.34		0.18								
NOLD HE 2.6 IAML	14:14 45.86	576 0.14									
NOLD HN 2.6 IAML	14:14 47.37	335 0.30									
NOLF HZ 2.9 EP	14:14 44.59		-0.13								
NOLF HE 2.9 IAML	14:14 46.55	1840 0.26									
NOLF HN 2.9 IAML	14:14 46.93	1837 0.34									
NOLE HZ 3.1 IP C	14:14 44.79		0.01								
NOLE HE 3.1 ES	14:14 45.59		0.20								
NOLE HE 3.1 IAML	14:14 46.58	485 0.20									
NOLE HN 3.1 IAML	14:14 47.31	414 0.18									
February 9 2014	Time: 03:48 57.0 UTC	Magnitude: 1.5 ML									
Lat: 53.223N	Lon: -1.011W	Depth: 1.3 km									
Grid Ref: 466.02 kmE 370.04 kmN	RMS: 0.10 secs										
Locality: NEW OLLERTON,NOTTS											
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0											
Comment: C/F											
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES											
NOLC EZ 0.2 EP	03:48 57.39		0.00								
NOLA HZ 1.6 IP D	03:48 57.43		-0.14								
NOLA HN 1.6 ES	03:48 57.87		-0.08								
NOLA HN 1.6 IAML	03:48 58.01	4678 0.16									
NOLA HE 1.6 IAML	03:48 58.21	4109 0.24									
NOLD HZ 2.8 IP D	03:48 57.87		0.04								
NOLD HE 2.8 ES	03:48 58.56		0.16								
NOLD HE 2.8 IAML	03:48 59.12	506 0.16									
NOLD HN 2.8 IAML	03:48 59.35	370 0.20									
NOLB EZ 2.9 EP	03:48 57.77		-0.08								
NOLF HZ 3.3 EP	03:48 57.86		-0.07								
NOLF HE 3.3 IAML	03:48 59.85	1775 0.18									
NOLF HN 3.3 IAML	03:49 00.22	1897 0.28									
NOLE HZ 3.4 EP	03:48 57.98		0.02								
NOLE HE 3.4 ES	03:48 58.77		0.15								
NOLE HN 3.4 IAML	03:49 00.07	699 0.24									
NOLE HE 3.4 IAML	03:49 00.30	561 0.28									
February 9 2014	Time: 05:33 42.0 UTC	Magnitude: 1.9 ML									
Lat: 53.221N	Lon: -1.012W	Depth: 1.6 km									
February 9 2014 Time: 13:56 56.8 UTC Magnitude: 1.8 ML											
Lat: 53.222N Lon: -1.013W Depth: 1.3 km											
Grid Ref: 465.89 kmE 369.92 kmN RMS: 0.10 secs											
Locality: NEW OLLERTON,NOTTS											
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0											
Comment: C/F											
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES											
NOLC EZ 0.1 IP C	13:56 57.15		0.00								
NOLC EZ 0.1 AMPG	13:56 57.20	11827 0.06									
NOLC EZ 0.1 AMSG	13:56 57.62	33249 0.12									
NOLA HZ 1.5 IP D	13:56 57.18		-0.13								
NOLA HZ 1.5 AMPG	13:56 57.23	4408 0.09									
NOLA HN 1.5 ES	13:56 57.58		-0.10								
NOLA HR 1.5 AMSG	13:56 57.69	27099 0.11									
NOLA HZ 1.5 AMSG	13:56 57.69	12903 0.10									
NOLA HN 1.5 IAML	13:56 57.70	27164 0.16									
NOLA HT 1.5 AMSG	13:56 57.77	31162 0.14									
NOLA HE 1.5 IAML	13:56 57.78	32826 0.26									
NOLD HZ 2.7 EP	13:56 57.60		0.04								
NOLD HN 2.7 ES	13:56 58.30		0.18								
NOLD HE 2.7 IAML	13:56 58.84	2392 0.14									
NOLD HN 2.7 IAML	13:57 00.78	1704 0.19									
NOLB EZ 2.8 IP D	13:56 57.50		-0.09								
NOLF HZ 3.2 IP D	13:56 57.58		-0.10								
NOLF HE 3.2 IAML	13:56 59.55	8280 0.28									
NOLF HN 3.2 IAML	13:56 59.94	8766 0.30									
NOLE HZ 3.4 EP	13:56 57.73		0.01								
NOLE HZ 3.4 AMPG	13:56 57.87	648 0.08									
NOLE HN 3.4 ES	13:56 58.59		0.20								
NOLE HT 3.4 AMSG	13:56 58.70	2092 0.14									
NOLE HR 3.4 AMSG	13:56 58.75	881 0.12									
NOLE HZ 3.4 AMSG	13:56 58.80	549 0.09									
NOLE HE 3.4 IAML	13:56 59.57	2171 0.18									
NOLE HN 3.4 IAML	13:57 00.84	2125 0.36									
LBWR HZ 51.4 EP	13:57 06.77		0.50								
LBWR HE 51.4 ES	13:57 13.79		0.61								
LBWR HE 51.4 IAML	13:57 14.33	26 0.14									
LBWR HN 51.4 IAML	13:57 14.82	28 0.33									
CWF HZ 57.4 EP	13:57 07.01		-0.15								
CWF HN 57.4 ES	13:57 14.20		-0.52								
CWF HN 57.4 IAML	13:57 14.38	5 0.20									

TABLE 2 : PHASE DATA

STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
NOLA	HN	1.5	ES			12:47	42.84			-0.10
NOLA	HN	1.5	IAML			12:47	42.95	23230	0.16	
NOLA	HR	1.5	AMSG			12:47	42.97	21463	0.13	
NOLA	HZ	1.5	AMSG			12:47	43.00	10528	0.08	
NOLA	HT	1.5	AMSG			12:47	43.03	25970	0.12	
NOLA	HE	1.5	IAML			12:47	43.04	31212	0.26	
NOLD	HZ	2.7	EP			12:47	42.82			0.02
NOLD	HZ	2.7	AMPG			12:47	43.00	236	0.12	
NOLD	HE	2.7	ES			12:47	43.56			0.19
NOLD	HZ	2.7	AMSG			12:47	43.81	899	0.12	
NOLD	HE	2.7	IAML			12:47	44.08	2209	0.12	
NOLD	HN	2.7	IAML			12:47	45.58	1722	0.30	
NOLB	EZ	2.9	IP	D		12:47	42.74			-0.09
NOLF	HZ	3.2	IP	D		12:47	42.82			-0.09
NOLF	HE	3.2	IAML			12:47	44.81	7622	0.30	
NOLF	HN	3.2	IAML			12:47	45.19	8785	0.28	
NOLE	HZ	3.4	IP	C		12:47	42.99			0.04
NOLE	HZ	3.4	AMPG			12:47	43.14	363	0.08	
NOLE	HN	3.4	ES			12:47	43.79			0.17
NOLE	HT	3.4	AMSG			12:47	43.96	1695	0.14	
NOLE	HR	3.4	AMSG			12:47	44.00	1076	0.11	
NOLE	HZ	3.4	AMSG			12:47	44.07	335	0.08	
NOLE	HE	3.4	IAML			12:47	44.82	1948	0.20	
NOLE	HN	3.4	IAML			12:47	46.08	2138	0.42	
LBWR	HZ	51.5	EP			12:47	51.50			0.02
LBWR	HN	51.5	ES			12:47	57.87			-0.51
LBWR	HE	51.5	IAML			12:47	59.66	24	0.17	
LBWR	HN	51.5	IAML			12:47	59.74	33	0.34	
CWF	HZ	57.4	EP			12:47	52.20			-0.16
CWF	HN	57.4	ES			12:47	59.44			-0.47
CWF	HN	57.4	IAML			12:48	00.90	7	0.22	
CWF	HE	57.4	IAML			12:48	03.41	7	0.22	
HPK	HN	91.4	ES			12:48	09.05			0.02
HPK	HN	91.4	IAML			12:48	13.19	21	0.20	
HPK	HE	91.4	IAML			12:48	14.02	14	0.36	
GDLE	HZ	134.0	EP			12:48	06.31			2.05
HLMI	HZ	148.0	EP			12:48	07.81			1.50
HLMI	HE	148.0	ES			12:48	24.35			0.31
HLMI	HN	148.0	IAML			12:48	28.84	10	0.34	
HLMI	HE	148.0	IAML			12:48	28.97	12	0.26	
FOEL	HZ	151.0	EP			12:48	08.37			1.62
FOEL	HE	151.0	ES			12:48	26.82			2.01
FOEL	HE	151.0	IAML			12:48	28.38	10	0.44	
FOEL	HN	151.0	IAML			12:48	29.88	10	0.36	
February 10 2014 Time: 17:54 14.4 UTC Magnitude: 1.6 ML										
Lat: 53.223N Lon: -1.015W Depth: 1.1 km						Grid Ref: 465.76 kmE 370.03 kmN RMS: 0.10 secs				
Locality: NEW OLLERTON,NOTTS										
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0										
Comment: C/F,FELT N OLLERTON Intensity: 3										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
NOLC	EZ	0.2	IP	C		17:54	14.71			-0.01
NOLA	HZ	1.3	IP	D		17:54	14.73			-0.13
NOLA	HN	1.3	ES			17:54	15.11			-0.08
NOLA	HN	1.3	IAML			17:54	15.27	12599	0.16	
NOLA	HE	1.3	IAML			17:54	15.35	18414	0.24	
NOLD	HZ	2.6	EP			17:54	15.14			0.00
NOLD	HN	2.6	ES			17:54	15.86			0.20
NOLD	HE	2.6	IAML			17:54	16.39	1303	0.12	
NOLD	HN	2.6	IAML			17:54	18.04	893	0.30	
NOLB	EZ	2.7	IP	D		17:54	15.04			-0.11
NOLF	HZ	3.0	IP	D		17:54	15.15			-0.09
NOLF	HE	3.0	IAML			17:54	17.11	4524	0.30	
NOLF	HN	3.0	IAML			17:54	17.50	5049	0.30	
NOLE	HZ	3.3	IP	C		17:54	15.31			0.02
NOLE	HN	3.3	ES			17:54	16.11			0.19
NOLE	HE	3.3	IAML			17:54	17.11	1237	0.20	
NOLE	HN	3.3	IAML			17:54	17.50	1048	0.20	
LBWR	HZ	51.3	EP			17:54	23.78			-0.12
LBWR	HE	51.3	ES			17:54	30.91			0.09
LBWR	HE	51.3	IAML			17:54	31.87	14	0.14	
LBWR	HN	51.3	IAML			17:54	32.37	16	0.34	
CWF	HZ	57.4	EP			17:54	24.65			-0.17
CWF	HN	57.4	ES			17:54	31.75			-0.66
HPK	HE	91.2	ES			17:54	42.00			0.52
HPK	HE	91.2	IAML			17:54	42.50	7	0.20	
HPK	HN	91.2	IAML			17:54	45.49	13	0.23	
HLMI	HE	148.0	ES			17:54	57.46			0.94
HLMI	HN	148.0	IAML			17:55	00.97	6	0.30	
HLMI	HE	148.0	IAML			17:55	01.26	7	0.26	
FOEL	HZ	151.0	EP			17:54	40.57			1.38
February 10 2014 Time: 19:08 23.6 UTC Magnitude: 0.4 ML										
Lat: 53.221N Lon: -1.000W Depth: 0.1 km						Grid Ref: 466.76 kmE 369.83 kmN RMS: 0.20 secs				
Locality: NEW OLLERTON,NOTTS										
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0										
Comment: C/F										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
NOLC	EZ	0.5	IP	C		02:35	46.40			-0.01
NOLC	EZ	0.5	AMPG			02:35	46.45	14925	0.08	
NOLC	EZ	0.5	AMSG			02:35	46.86	51718	0.11	
NOLA	HZ	1.3	IP	D		02:35	46.42			-0.10
NOLA	HZ	1.3	AMPG			02:35	46.50	6082	0.10	
NOLA	HN	1.3	ES			02:35	46.86			0.01
NOLA	HN	1.3	IAML			02:35	46.97	34169	0.16	
NOLA	HR	1.3	AMSG			02:35	46.97	34517	0.14	
NOLA	HZ	1.3	AMSG			02:35	46.98	17087	0.12	
NOLA	HE	1.3	IAML			02:35	47.05	42764	0.26	
NOLA	HT	1.3	AMSG			02:35	47.06	38359	0.16	
NOLB	EZ	2.7	IP	D		02:35	46.75			-0.07
NOLD	HZ	2.9	IP	D		02:35	46.83			-0.03
NOLD	HE	2.9	ES			02:35	47.55			0.12
NOLD	HE	2.9	IAML			02:35	48.10	3288	0.14	
NOLD	HN	2.9	IAML			02:35	49.60	2398	0.29	
NOLF	HZ	2.9	IP	D		02:35	46.83			-0.04
NOLF	HE	2.9	IAML			02:35	48.82	11062	0.30	
NOLF	HN	2.9	IAML			02:35	49.22	12164	0.28	
NOLE	HZ	2.9	EP			02:35	47.00			0.13
NOLE	HZ	2.9	AMPG			02:35	47.14	900	0.08	

TABLE 2 : PHASE DATA

<p>NOLA HZ 1.7 IP D 14:08 48.15 -0.12 NOLA HE 1.7 ES 14:08 48.56 -0.13 NOLA HN 1.7 IAML 14:08 48.70 27326 0.24 NOLA HE 1.7 IAML 14:08 48.82 41785 0.26 NOLD HZ 2.8 EP 14:08 48.54 0.03 NOLD HE 2.8 ES 14:08 49.29 0.19 NOLD HE 2.8 IAML 14:08 49.79 4524 0.16 NOLD HN 2.8 IAML 14:08 51.16 2906 0.24 NOLB EZ 3.0 EP 14:08 48.45 -0.09 NOLF HZ 3.4 EP 14:08 48.55 -0.08 NOLF HE 3.4 IAML 14:08 50.57 10006 0.34 NOLF HN 3.4 IAML 14:08 50.96 12857 0.34 NOLE HZ 3.5 EP 14:08 48.67 0.02 NOLE HE 3.5 ES 14:08 49.55 0.19 NOLE HN 3.5 IAML 14:08 51.31 3076 0.16 NOLE HE 3.5 IAML 14:08 51.60 3092 0.18 LBWR HZ 51.7 EP 14:08 57.30 0.15 LBWR HN 51.7 ES 14:09 04.25 0.19 LBWR HE 51.7 IAML 14:09 05.29 38 0.14 LBWR HN 51.7 IAML 14:09 05.77 41 0.29 CWF HZ 57.3 EP 14:08 57.94 -0.06 CWF HE 57.3 ES 14:09 05.34 -0.19 CWF HN 57.3 IAML 14:09 08.67 7 0.22 CWF HE 57.3 IAML 14:09 09.09 10 0.24 HPK HN 91.5 ES 14:09 15.48 0.77 HPK HN 91.5 IAML 14:09 18.92 33 0.28 HPK HE 91.5 IAML 14:09 19.71 21 0.38 GDLE HN 134.0 ES 14:09 27.85 1.71 GDLE HN 134.0 IAML 14:09 29.59 19 0.24 GDLE HE 134.0 IAML 14:09 34.38 12 0.32 HLMI HN 148.0 ES 14:09 30.00 0.31 HLMI HN 148.0 IAML 14:09 34.20 12 0.36 FOEL HZ 151.0 EP 14:09 13.62 1.20 FOEL HN 151.0 ES 14:09 30.71 0.24 FOEL HN 151.0 IAML 14:09 34.02 14 0.36 FOEL HE 151.0 IAML 14:09 34.29 14 0.44</p>	<p>Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F,FELT N OLLERTON Intensity: 3</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>NOLC</td><td>EZ</td><td>0.1</td><td>IP</td><td></td><td>C</td><td>01:18</td><td>07.07</td><td></td><td></td><td>0.00</td></tr> <tr><td>NOLA</td><td>HZ</td><td>1.6</td><td>IP</td><td></td><td>D</td><td>01:18</td><td>07.14</td><td></td><td></td><td>-0.13</td></tr> <tr><td>NOLA</td><td>HE</td><td>1.6</td><td>ES</td><td></td><td></td><td>01:18</td><td>07.54</td><td></td><td></td><td>-0.11</td></tr> <tr><td>NOLA</td><td>HN</td><td>1.6</td><td>IAML</td><td></td><td></td><td>01:18</td><td>07.80</td><td>20918</td><td>0.14</td><td></td></tr> <tr><td>NOLA</td><td>HE</td><td>1.6</td><td>IAML</td><td></td><td></td><td>01:18</td><td>07.81</td><td>34432</td><td>0.26</td><td></td></tr> <tr><td>NOLD</td><td>HZ</td><td>2.8</td><td>EP</td><td></td><td></td><td>01:18</td><td>07.57</td><td></td><td></td><td>0.06</td></tr> <tr><td>NOLD</td><td>HN</td><td>2.8</td><td>ES</td><td></td><td></td><td>01:18</td><td>08.23</td><td></td><td></td><td>0.16</td></tr> <tr><td>NOLD</td><td>HE</td><td>2.8</td><td>IAML</td><td></td><td></td><td>01:18</td><td>08.79</td><td>3849</td><td>0.16</td><td></td></tr> <tr><td>NOLD</td><td>HN</td><td>2.8</td><td>IAML</td><td></td><td></td><td>01:18</td><td>10.14</td><td>2355</td><td>0.26</td><td></td></tr> <tr><td>NOLB</td><td>EZ</td><td>2.9</td><td>IP</td><td></td><td>D</td><td>01:18</td><td>07.46</td><td></td><td></td><td>-0.09</td></tr> <tr><td>NOLF</td><td>HZ</td><td>3.3</td><td>IP</td><td></td><td>D</td><td>01:18</td><td>07.55</td><td></td><td></td><td>-0.10</td></tr> <tr><td>NOLF</td><td>HE</td><td>3.3</td><td>IAML</td><td></td><td></td><td>01:18</td><td>09.56</td><td>8196</td><td>0.32</td><td></td></tr> <tr><td>NOLF</td><td>HN</td><td>3.3</td><td>IAML</td><td></td><td></td><td>01:18</td><td>09.95</td><td>10404</td><td>0.34</td><td></td></tr> <tr><td>NOLE</td><td>HZ</td><td>3.5</td><td>EP</td><td></td><td></td><td>01:18</td><td>07.67</td><td></td><td></td><td>-0.01</td></tr> <tr><td>NOLE</td><td>HE</td><td>3.5</td><td>ES</td><td></td><td></td><td>01:18</td><td>08.57</td><td></td><td></td><td>0.21</td></tr> <tr><td>NOLE</td><td>HE</td><td>3.5</td><td>IAML</td><td></td><td></td><td>01:18</td><td>09.55</td><td>2478</td><td>0.18</td><td></td></tr> <tr><td>NOLE</td><td>HN</td><td>3.5</td><td>IAML</td><td></td><td></td><td>01:18</td><td>10.23</td><td>2612</td><td>0.14</td><td></td></tr> <tr><td>LBWR</td><td>HZ</td><td>51.6</td><td>EP</td><td></td><td></td><td>01:18</td><td>16.19</td><td></td><td></td><td>-0.06</td></tr> <tr><td>LBWR</td><td>HN</td><td>51.6</td><td>ES</td><td></td><td></td><td>01:18</td><td>23.76</td><td></td><td></td><td>0.57</td></tr> <tr><td>LBWR</td><td>HE</td><td>51.6</td><td>IAML</td><td></td><td></td><td>01:18</td><td>24.29</td><td>31</td><td>0.14</td><td></td></tr> <tr><td>LBWR</td><td>HN</td><td>51.6</td><td>IAML</td><td></td><td></td><td>01:18</td><td>24.76</td><td>32</td><td>0.31</td><td></td></tr> <tr><td>CWF</td><td>HZ</td><td>57.3</td><td>EP</td><td></td><td></td><td>01:18</td><td>16.92</td><td></td><td></td><td>-0.19</td></tr> <tr><td>CWF</td><td>HN</td><td>57.3</td><td>IAML</td><td></td><td></td><td>01:18</td><td>24.21</td><td>6</td><td>0.18</td><td></td></tr> <tr><td>CWF</td><td>HE</td><td>57.3</td><td>ES</td><td></td><td></td><td>01:18</td><td>24.33</td><td></td><td></td><td>-0.34</td></tr> <tr><td>CWF</td><td>HE</td><td>57.3</td><td>IAML</td><td></td><td></td><td>01:18</td><td>28.07</td><td>7</td><td>0.24</td><td></td></tr> <tr><td>HPK</td><td>HZ</td><td>91.5</td><td>EP</td><td></td><td></td><td>01:18</td><td>23.11</td><td></td><td></td><td>0.70</td></tr> <tr><td>HPK</td><td>HE</td><td>91.5</td><td>ES</td><td></td><td></td><td>01:18</td><td>33.79</td><td></td><td></td><td>-0.05</td></tr> <tr><td>HPK</td><td>HN</td><td>91.5</td><td>IAML</td><td></td><td></td><td>01:18</td><td>37.77</td><td>27</td><td>0.22</td><td></td></tr> <tr><td>HPK</td><td>HE</td><td>91.5</td><td>IAML</td><td></td><td></td><td>01:18</td><td>38.05</td><td>12</td><td>0.30</td><td></td></tr> <tr><td>GDLE</td><td>HZ</td><td>134.0</td><td>EP</td><td></td><td></td><td>01:18</td><td>30.66</td><td></td><td></td><td>1.63</td></tr> <tr><td>GDLE</td><td>HE</td><td>134.0</td><td>ES</td><td></td><td></td><td>01:18</td><td>47.26</td><td></td><td></td><td>1.96</td></tr> <tr><td>GDLE</td><td>HE</td><td>134.0</td><td>IAML</td><td></td><td></td><td>01:18</td><td>53.50</td><td>9</td><td>0.30</td><td></td></tr> <tr><td>GDLE</td><td>HN</td><td>134.0</td><td>IAML</td><td></td><td></td><td>01:18</td><td>53.56</td><td>22</td><td>0.30</td><td></td></tr> <tr><td>HLMI</td><td>HZ</td><td>148.0</td><td>EP</td><td></td><td></td><td>01:18</td><td>31.77</td><td></td><td></td><td>0.70</td></tr> <tr><td>HLMI</td><td>HN</td><td>148.0</td><td>ES</td><td></td><td></td><td>01:18</td><td>49.45</td><td></td><td></td><td>0.63</td></tr> <tr><td>HLMI</td><td>HN</td><td>148.0</td><td>IAML</td><td></td><td></td><td>01:18</td><td>53.18</td><td>9</td><td>0.34</td><td></td></tr> <tr><td>HLMI</td><td>HE</td><td>148.0</td><td>IAML</td><td></td><td></td><td>01:18</td><td>53.63</td><td>12</td><td>0.22</td><td></td></tr> <tr><td>FOEL</td><td>HZ</td><td>151.0</td><td>EP</td><td></td><td></td><td>01:18</td><td>32.60</td><td></td><td></td><td>1.08</td></tr> <tr><td>FOEL</td><td>HE</td><td>151.0</td><td>ES</td><td></td><td></td><td>01:18</td><td>51.52</td><td></td><td></td><td>1.92</td></tr> <tr><td>FOEL</td><td>HE</td><td>151.0</td><td>IAML</td><td></td><td></td><td>01:18</td><td>53.30</td><td>12</td><td>0.42</td><td></td></tr> <tr><td>FOEL</td><td>HN</td><td>151.0</td><td>IAML</td><td></td><td></td><td>01:18</td><td>54.21</td><td>10</td><td>0.56</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	NOLC	EZ	0.1	IP		C	01:18	07.07			0.00	NOLA	HZ	1.6	IP		D	01:18	07.14			-0.13	NOLA	HE	1.6	ES			01:18	07.54			-0.11	NOLA	HN	1.6	IAML			01:18	07.80	20918	0.14		NOLA	HE	1.6	IAML			01:18	07.81	34432	0.26		NOLD	HZ	2.8	EP			01:18	07.57			0.06	NOLD	HN	2.8	ES			01:18	08.23			0.16	NOLD	HE	2.8	IAML			01:18	08.79	3849	0.16		NOLD	HN	2.8	IAML			01:18	10.14	2355	0.26		NOLB	EZ	2.9	IP		D	01:18	07.46			-0.09	NOLF	HZ	3.3	IP		D	01:18	07.55			-0.10	NOLF	HE	3.3	IAML			01:18	09.56	8196	0.32		NOLF	HN	3.3	IAML			01:18	09.95	10404	0.34		NOLE	HZ	3.5	EP			01:18	07.67			-0.01	NOLE	HE	3.5	ES			01:18	08.57			0.21	NOLE	HE	3.5	IAML			01:18	09.55	2478	0.18		NOLE	HN	3.5	IAML			01:18	10.23	2612	0.14		LBWR	HZ	51.6	EP			01:18	16.19			-0.06	LBWR	HN	51.6	ES			01:18	23.76			0.57	LBWR	HE	51.6	IAML			01:18	24.29	31	0.14		LBWR	HN	51.6	IAML			01:18	24.76	32	0.31		CWF	HZ	57.3	EP			01:18	16.92			-0.19	CWF	HN	57.3	IAML			01:18	24.21	6	0.18		CWF	HE	57.3	ES			01:18	24.33			-0.34	CWF	HE	57.3	IAML			01:18	28.07	7	0.24		HPK	HZ	91.5	EP			01:18	23.11			0.70	HPK	HE	91.5	ES			01:18	33.79			-0.05	HPK	HN	91.5	IAML			01:18	37.77	27	0.22		HPK	HE	91.5	IAML			01:18	38.05	12	0.30		GDLE	HZ	134.0	EP			01:18	30.66			1.63	GDLE	HE	134.0	ES			01:18	47.26			1.96	GDLE	HE	134.0	IAML			01:18	53.50	9	0.30		GDLE	HN	134.0	IAML			01:18	53.56	22	0.30		HLMI	HZ	148.0	EP			01:18	31.77			0.70	HLMI	HN	148.0	ES			01:18	49.45			0.63	HLMI	HN	148.0	IAML			01:18	53.18	9	0.34		HLMI	HE	148.0	IAML			01:18	53.63	12	0.22		FOEL	HZ	151.0	EP			01:18	32.60			1.08	FOEL	HE	151.0	ES			01:18	51.52			1.92	FOEL	HE	151.0	IAML			01:18	53.30	12	0.42		FOEL	HN	151.0	IAML			01:18	54.21	10	0.56	
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<p>March 5 2014 Time: 01:18 06.8 UTC Magnitude: 1.8 ML Lat: 53.222N Lon: -1.012W Depth: 1.2 km Grid Ref: 465.96 kmE 369.93 kmN RMS: 0.10 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F,FELT N OLLERTON Intensity: 3</p>	<p>March 5 2014 Time: 20:56 00.4 UTC Magnitude: 1.4 ML Lat: 53.223N Lon: -1.012W Depth: 1.1 km Grid Ref: 465.96 kmE 370.04 kmN RMS: 0.10 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</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>NOLC</td><td>EZ</td><td>0.1</td><td>IP</td><td></td><td>C</td><td>20:56</td><td>00.68</td><td></td><td></td><td>0.00</td></tr> <tr><td>NOLA</td><td>HZ</td><td>1.6</td><td>IP</td><td></td><td>D</td><td>20:56</td><td>00.74</td><td></td><td></td><td>-0.12</td></tr> <tr><td>NOLA</td><td>HN</td><td>1.5</td><td>ES</td><td></td><td></td><td>20:56</td><td>01.14</td><td></td><td></td><td>-0.07</td></tr> <tr><td>NOLA</td><td>HN</td><td>1.5</td><td>IAML</td><td></td><td></td><td>20:56</td><td>01.34</td><td>3493</td><td>0.12</td><td></td></tr> <tr><td>NOLA</td><td>HE</td><td>1.5</td><td>IAML</td><td></td><td></td><td>20:56</td><td>01.41</td><td>5278</td><td>0.24</td><td></td></tr> <tr><td>NOLD</td><td>HZ</td><td>2.8</td><td>EP</td><td></td><td></td><td>20:56</td><td>01.16</td><td></td><td></td><td>0.01</td></tr> <tr><td>NOLD</td><td>HE</td><td>2.8</td><td>ES</td><td></td><td></td><td>20:56</td><td>01.87</td><td></td><td></td><td>0.17</td></tr> <tr><td>NOLD</td><td>HE</td><td>2.8</td><td>IAML</td><td></td><td></td><td>20:56</td><td>02.37</td><td>463</td><td>0.18</td><td></td></tr> <tr><td>NOLD</td><td>HN</td><td>2.8</td><td>IAML</td><td></td><td></td><td>20:56</td><td>03.72</td><td>287</td><td>0.26</td><td></td></tr> <tr><td>NOLB</td><td>EZ</td><td>2.9</td><td>EP</td><td></td><td></td><td>20:56</td><td>01.06</td><td></td><td></td><td>-0.10</td></tr> <tr><td>NOLF</td><td>HZ</td><td>3.2</td><td>EP</td><td></td><td></td><td>20:56</td><td>01.17</td><td></td><td></td><td>-0.07</td></tr> <tr><td>NOLF</td><td>HE</td><td>3.2</td><td>IAML</td><td></td><td></td><td>20:56</td><td>03.16</td><td>1274</td><td>0.30</td><td></td></tr> <tr><td>NOLF</td><td>HN</td><td>3.2</td><td>IAML</td><td></td><td></td><td>20:56</td><td>03.55</td><td>1479</td><td>0.32</td><td></td></tr> <tr><td>NOLE</td><td>HZ</td><td>3.3</td><td>EP</td><td></td><td></td><td>20:56</td><td>01.29</td><td></td><td></td><td>0.03</td></tr> <tr><td>NOLE</td><td>HE</td><td>3.3</td><td>ES</td><td></td><td></td><td>20:56</td><td>02.04</td><td></td><td></td><td>0.14</td></tr> <tr><td>NOLE</td><td>HE</td><td>3.3</td><td>IAML</td><td></td><td></td><td>20:56</td><td>03.14</td><td>366</td><td>0.18</td><td></td></tr> <tr><td>NOLE</td><td>HN</td><td>3.3</td><td>IAML</td><td></td><td></td><td>20:56</td><td>03.81</td><td>438</td><td>0.16</td><td></td></tr> </tbody> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	NOLC	EZ	0.1	IP		C	20:56	00.68			0.00	NOLA	HZ	1.6	IP		D	20:56	00.74			-0.12	NOLA	HN	1.5	ES			20:56	01.14			-0.07	NOLA	HN	1.5	IAML			20:56	01.34	3493	0.12		NOLA	HE	1.5	IAML			20:56	01.41	5278	0.24		NOLD	HZ	2.8	EP			20:56	01.16			0.01	NOLD	HE	2.8	ES			20:56	01.87			0.17	NOLD	HE	2.8	IAML			20:56	02.37	463	0.18		NOLD	HN	2.8	IAML			20:56	03.72	287	0.26		NOLB	EZ	2.9	EP			20:56	01.06			-0.10	NOLF	HZ	3.2	EP			20:56	01.17			-0.07	NOLF	HE	3.2	IAML			20:56	03.16	1274	0.30		NOLF	HN	3.2	IAML			20:56	03.55	1479	0.32		NOLE	HZ	3.3	EP			20:56	01.29			0.03	NOLE	HE	3.3	ES			20:56	02.04			0.14	NOLE	HE	3.3	IAML			20:56	03.14	366	0.18		NOLE	HN	3.3	IAML			20:56	03.81	438	0.16																																																																																																																																																																																																																																																																									
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NOLA	HE	1.5	IAML			20:56	01.41	5278	0.24																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NOLD	HZ	2.8	EP			20:56	01.16			0.01																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NOLD	HE	2.8	ES			20:56	01.87			0.17																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NOLD	HE	2.8	IAML			20:56	02.37	463	0.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NOLD	HN	2.8	IAML			20:56	03.72	287	0.26																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NOLB	EZ	2.9	EP			20:56	01.06			-0.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NOLF	HZ	3.2	EP			20:56	01.17			-0.07																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NOLF	HE	3.2	IAML			20:56	03.16	1274	0.30																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NOLF	HN	3.2	IAML			20:56	03.55	1479	0.32																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NOLE	HZ	3.3	EP			20:56	01.29			0.03																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NOLE	HE	3.3	ES			20:56	02.04			0.14																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NOLE	HE	3.3	IAML			20:56	03.14	366	0.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NOLE	HN	3.3	IAML			20:56	03.81	438	0.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
<p>March 5 2014 Time: 15:56 33.5 UTC Magnitude: 1.7 ML Lat: 53.222N Lon: -1.012W Depth: 1.3 km Grid Ref: 465.96 kmE 369.93 kmN RMS: 0.10 secs</p>	<p>March 6 2014 Time: 01:36 41.0 UTC Magnitude: 0.5 ML Lat: 53.219N Lon: -0.997W Depth: 0.7 km Grid Ref: 466.96 kmE 369.61 kmN RMS: 0.10 secs</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

TABLE 2 : PHASE DATA

Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F										FOEL HE 151.0 IAML 05:14 35.29 9 0.42 FOEL HN 151.0 IAML 05:14 37.46 10 0.48
March 8 2014 Time: 04:08 42.1 UTC Magnitude: 1.8 ML Lat: 53.222N Lon: -1.009W Depth: 1.3 km Grid Ref: 466.16 kmE 369.93 kmN RMS: 0.10 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F,FELT N OLLERTON Intensity: 3										STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLC EZ 1.0 EP 01:36 41.34 0.01 NOLA HZ 2.5 EP 01:36 41.46 -0.21 NOLA HE 2.5 ES 01:36 41.99 -0.16 NOLA HE 2.5 IAML 01:36 42.34 418 0.24 NOLA HN 2.5 IAML 01:36 42.50 428 0.18 NOLD HE 3.6 ES 01:36 42.85 0.24 NOLD HE 3.6 IAML 01:36 43.31 33 0.14 NOLD HN 3.6 IAML 01:36 44.77 56 0.48 NOLB EZ 3.9 EP 01:36 41.98 -0.02 NOLE HZ 3.9 EP 01:36 42.12 0.11 NOLE HE 3.9 ES 01:36 42.91 0.17 NOLE HE 3.9 IAML 01:36 43.19 27 0.14 NOLE HN 3.9 IAML 01:36 44.08 43 0.20 NOLF HZ 4.2 EP 01:36 41.93 -0.14 NOLF HE 4.2 ES 01:36 42.84 -0.01 NOLF HE 4.2 IAML 01:36 43.98 109 0.31 NOLF HN 4.2 IAML 01:36 44.49 189 0.31
March 6 2014 Time: 06:08 15.8 UTC Magnitude: 1.7 ML Lat: 53.222N Lon: -1.009W Depth: 1.4 km Grid Ref: 466.16 kmE 369.93 kmN RMS: 0.10 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F										NOLC EZ 0.3 IP C 04:08 42.45 0.00 NOLA HZ 1.7 IP D 04:08 42.55 -0.11 NOLA HN 1.7 ES 04:08 42.96 -0.10 NOLA HE 1.7 IAML 04:08 43.22 38049 0.24 NOLA HN 1.7 IAML 04:08 43.22 24527 0.13 NOLD HZ 3.0 EP 04:08 42.95 0.03 NOLD HE 3.0 ES 04:08 43.69 0.17 NOLD HE 3.0 IAML 04:08 44.21 4545 0.16 NOLD HN 3.0 IAML 04:08 45.55 2622 0.24 NOLB EZ 3.1 EP 04:08 42.84 -0.11 NOLF HZ 3.4 IP D 04:08 42.96 -0.07 NOLF HE 3.4 IAML 04:08 44.99 9188 0.30 NOLF HN 3.4 IAML 04:08 45.37 11623 0.38 NOLE HZ 3.4 EP 04:08 43.06 0.03 NOLE HE 3.4 ES 04:08 43.85 0.15 NOLE HE 3.4 IAML 04:08 44.96 2915 0.20 NOLE HN 3.4 IAML 04:08 45.72 3140 0.17 LBWR HZ 51.7 EP 04:08 51.22 -0.39 LBWR HN 51.7 ES 04:08 58.77 0.22 LBWR HE 51.7 IAML 04:08 59.76 35 0.14 LBWR HN 51.7 IAML 04:09 00.18 38 0.31 CWF HZ 57.5 EP 04:08 52.23 -0.24 CWF HE 57.5 ES 04:08 59.71 -0.33 CWF HN 57.5 IAML 04:09 01.16 6 0.22 CWF HE 57.5 IAML 04:09 03.62 8 0.26 HPK HZ 91.5 EP 04:08 58.37 0.62 HPK HN 91.5 ES 04:09 09.86 0.69 HPK HE 91.5 IAML 04:09 12.98 18 0.19 HPK HN 91.5 IAML 04:09 13.31 33 0.21 GDLE HZ 134.0 EP 04:09 06.16 1.81 GDLE HN 134.0 ES 04:09 21.77 1.17 GDLE HN 134.0 IAML 04:09 25.24 20 0.27 GDLE HE 134.0 IAML 04:09 29.03 11 0.24 HLM1 HZ 148.0 EP 04:09 07.75 1.31 HLM1 HE 148.0 ES 04:09 24.47 0.27 HLM1 HN 148.0 IAML 04:09 28.77 11 0.39 HLM1 HE 148.0 IAML 04:09 29.17 14 0.21 FOEL HZ 152.0 EP 04:09 08.02 1.13 FOEL HN 152.0 ES 04:09 26.96 1.99 FOEL HN 152.0 IAML 04:09 28.42 12 0.36 FOEL HE 152.0 IAML 04:09 28.49 13 0.44
March 7 2014 Time: 05:13 48.9 UTC Magnitude: 1.7 ML Lat: 53.221N Lon: -1.009W Depth: 1.4 km Grid Ref: 466.16 kmE 369.82 kmN RMS: 0.10 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F,FELT N OLLERTON Intensity: 3										STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLC EZ 0.2 IP C 06:08 16.21 -0.01 NOLA HZ 1.7 IP D 06:08 16.27 -0.12 NOLA HE 1.7 ES 06:08 16.74 -0.11 NOLA HN 1.7 IAML 06:08 16.84 4281 0.22 NOLA HE 1.7 IAML 06:08 16.97 7401 0.20 NOLD HZ 2.9 EP 06:08 16.69 0.07 NOLD HE 2.9 ES 06:08 17.41 0.16 NOLD HE 2.9 IAML 06:08 17.91 666 0.18 NOLD HN 2.9 IAML 06:08 19.28 458 0.22 NOLB EZ 3.0 EP 06:08 16.56 -0.09 NOLF HZ 3.4 EP 06:08 16.69 -0.04 NOLF HN 3.4 ES 06:08 17.39 -0.05 NOLF HE 3.4 IAML 06:08 18.71 1980 0.28 NOLF HN 3.4 IAML 06:08 19.10 2772 0.34 NOLE HZ 3.5 EP 06:08 16.72 -0.02 NOLE HN 3.5 ES 06:08 17.66 0.20 NOLE HN 3.5 IAML 06:08 19.35 623 0.16 NOLE HE 3.5 IAML 06:08 19.71 663 0.20
March 10 2014 Time: 02:21 14.9 UTC Magnitude: 2.0 ML Lat: 53.226N Lon: -1.010W Depth: 0.9 km Grid Ref: 466.08 kmE 370.37 kmN RMS: 0.10 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F,FELT N OLLERTON Intensity: 3										STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLC EZ 0.5 IP C 02:21 15.15 0.00 NOLA HZ 1.5 IP D 02:21 15.25 -0.07 NOLA HE 1.5 ES 02:21 15.64 0.00 NOLA HN 1.5 IAML 02:21 15.85 37338 0.14 NOLA HE 1.5 IAML 02:21 15.93 61465 0.22 NOLD HZ 3.0 EP 02:21 15.62 -0.04 NOLD HE 3.0 ES 02:21 16.31 0.07 NOLD HE 3.0 IAML 02:21 16.89 8029 0.16 NOLD HN 3.0 IAML 02:21 18.24 4394 0.24 NOLE HZ 3.0 EP 02:21 15.75 0.08 NOLE HE 3.0 IAML 02:21 17.66 5290 0.18 NOLE HN 3.0 IAML 02:21 18.41 5719 0.15 NOLF HZ 3.1 EP 02:21 15.65 -0.04 NOLF HE 3.1 IAML 02:21 17.68 15291 0.30 NOLF HN 3.1 IAML 02:21 18.06 19916 0.40 LBWR HZ 51.5 EP 02:21 24.06 -0.36 LBWR HN 51.5 ES 02:21 31.45 0.06 LBWR HE 51.5 IAML 02:21 32.47 67 0.15 LBWR HN 51.5 IAML 02:21 32.88 71 0.31 LMK HN 52.3 ES 02:21 31.62 0.08 LMK HE 52.3 IAML 02:21 40.12 66 0.42 LMK HN 52.3 IAML 02:21 49.88 93 0.57 CWF HZ 57.8 EP 02:21 24.93 -0.44 CWF HE 57.8 ES 02:21 32.40 -0.63 CWF HN 57.8 IAML 02:21 33.83 10 0.21 CWF HE 57.8 IAML 02:21 36.29 14 0.25 HPK HZ 91.1 EP 02:21 30.37 -0.17 HPK HE 91.1 ES 02:21 41.98 0.01 HPK HE 91.1 IAML 02:21 45.77 35 0.21 HPK HN 91.1 IAML 02:21 46.00 58 0.20

TABLE 2 : PHASE DATA

Lat: 54.776N	Lon: -2.722W	Depth: 14.9 km	NOLD HN 2.7 ES 15:50 09.31 0.16
Grid Ref: 353.56 kmE 542.59 kmN	RMS: 0.10 secs	NOLD HN 2.7 IAML 15:50 09.96 156 0.17	NOLD HE 2.7 IAML 15:50 11.85 206 0.24
Locality: CARLISLE,CUMBRIA		NOLB EZ 2.9 EP 15:50 08.61 -0.06	NOLF HZ 3.3 EP 15:50 08.68 -0.09
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0		NOLF HE 3.3 IAML 15:50 10.69 686 0.28	NOLF HN 3.3 IAML 15:50 11.08 797 0.36
Comment: 20KM SE CARLISLE		NOLE HZ 3.5 EP 15:50 08.81 0.00	NOLE HE 3.5 ES 15:50 09.64 0.18
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		NOLE HE 3.5 IAML 15:50 10.66 206 0.20	NOLE HN 3.5 IAML 15:50 11.41 280 0.16
KESW HZ 32.3 IP C 06:40 47.06 0.07		March 23 2014 Time: 11:46 16.8 UTC Magnitude: 2.0 ML	
KESW HE 32.3 ES 06:40 51.38 -0.06		Lat: 53.222N Lon: -1.010W Depth: 1.2 km	
KESW HN 32.3 IAML 06:40 51.77 14 0.16		Grid Ref: 466.09 kmE 369.93 kmN RMS: 0.10 secs	
KESW HE 32.3 IAML 06:40 51.78 14 0.21		Locality: NEW OLLERTON,NOTTS	
EDMD HZ 49.2 EP 06:40 49.61 0.13		Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	
EDMD HN 49.2 ES 06:40 55.64 -0.11		Comment: C/F,FELT N OLLERTON Intensity: 3	
EDMD HN 49.2 IAML 06:40 55.89 66 0.16		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
EDMD HE 49.2 IAML 06:40 56.12 53 0.17		NOLC EZ 0.2 IP C 11:46 17.17 0.00	
GALL HZ 128.0 EP 06:41 01.07 -0.06		NOLA HZ 1.7 IP D 11:46 17.29 -0.09	
IOMK HZ 132.0 EP 06:41 01.75 0.00		NOLA HE 1.7 ES 11:46 17.67 -0.09	
March 21 2014 Time: 07:55 29.2 UTC Magnitude: 1.1 ML			
Lat: 53.700N Lon: -1.738W Depth: 8.7 km			
Grid Ref: 417.30 kmE 422.68 kmN RMS: 0.10 secs			
Locality: BRIGHOUSE,W YORKSHIRE			
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0			
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		NOLA HE 1.7 IAML 11:46 18.02 33640 0.20	
HPK HZ 29.7 EP 07:55 34.92 0.24		NOLA HN 1.7 IAML 11:46 18.27 27331 0.24	
HPK HN 29.7 ES 07:55 38.52 -0.17		NOLD HZ 2.9 EP 11:46 17.64 0.01	
HPK HE 29.7 IAML 07:55 39.24 36 0.22		NOLD HN 2.9 ES 11:46 18.35 0.15	
HPK HN 29.7 IAML 07:55 39.26 74 0.15		NOLD HE 2.9 IAML 11:46 18.92 4372 0.18	
LBWR HZ 33.2 EP 07:55 35.19 -0.05		NOLD HN 2.9 IAML 11:46 19.15 2516 0.22	
LBWR HN 33.2 ES 07:55 39.66 -0.01		NOLB EZ 3.0 IP D 11:46 17.60 -0.07	
LBWR HN 33.2 IAML 07:55 40.32 15 0.15		NOLF HZ 3.4 IP D 11:46 17.70 -0.06	
LBWR HE 33.2 IAML 07:55 40.49 16 0.18		NOLF HE 3.4 IAML 11:46 19.77 11546 0.32	
FOEL HZ 133.0 EP 07:55 50.43 -0.09		NOLF HN 3.4 IAML 11:46 20.33 14657 0.36	
March 21 2014 Time: 13:45 07.3 UTC Magnitude: 2.0 ML			
Lat: 53.221N Lon: -1.009W Depth: 1.2 km			
Grid Ref: 466.16 kmE 369.82 kmN RMS: 0.10 secs			
Locality: NEW OLLERTON,NOTTS			
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0			
Comment: C/F,FELT N OLLERTON Intensity: 3			
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		NOLE HZ 3.5 EP 11:46 17.78 0.01	
NOLC EZ 0.2 IP C 13:45 07.58 0.00		NOLE HE 3.5 ES 11:46 18.59 0.14	
NOLA HZ 1.8 IP D 13:45 07.68 -0.12		NOLE HN 3.5 IAML 11:46 20.48 4373 0.18	
NOLA HN 1.8 ES 13:45 08.11 -0.09		NOLE HE 3.5 IAML 11:46 20.74 3838 0.24	
NOLA HE 1.8 IAML 13:45 08.41 37079 0.22		LBWR HZ 51.7 EP 11:46 26.32 -0.05	
NOLA HN 1.8 IAML 13:45 08.68 33652 0.32		LBWR HN 51.7 ES 11:46 33.90 0.58	
NOLD HZ 2.9 EP 13:45 08.07 0.02		LBWR HE 51.7 IAML 11:46 34.43 45 0.14	
NOLD HN 2.9 ES 13:45 08.78 0.15		LBWR HN 51.7 IAML 11:46 34.91 44 0.32	
NOLD HE 2.9 IAML 13:45 09.31 4804 0.20		GDLE HZ 134.0 EP 11:46 41.01 1.88	
NOLD HN 2.9 IAML 13:45 09.56 2667 0.22		GDLE HE 134.0 ES 11:46 57.27 1.87	
NOLB EZ 3.1 EP 13:45 08.01 -0.08		GDLE HE 134.0 IAML 11:46 59.95 9 0.27	
NOLF HZ 3.5 IP D 13:45 08.12 -0.06		GDLE HN 134.0 IAML 11:46 59.97 10 0.31	
NOLF HE 3.5 IAML 13:45 10.17 12608 0.32		HLM1 HZ 148.0 EP 11:46 41.99 0.80	
NOLF HN 3.5 IAML 13:45 10.74 16146 0.36		HLM1 HE 148.0 ES 11:46 59.40 0.44	
NOLE HZ 3.5 IP D 13:45 08.22 0.02		HLM1 HN 148.0 IAML 11:47 03.29 12 0.40	
NOLE HE 3.5 ES 13:45 09.03 0.15		HLM1 HE 148.0 IAML 11:47 03.78 16 0.24	
NOLE HN 3.5 IAML 13:45 10.89 4600 0.19		FOEL HZ 151.0 EP 11:46 42.65 1.01	
NOLE HE 3.5 IAML 13:45 11.15 4133 0.24		FOEL HE 151.0 ES 11:47 01.20 1.46	
LBWR HZ 51.7 EP 13:45 17.26 0.48		FOEL HE 151.0 IAML 11:47 03.21 16 0.42	
LBWR HE 51.7 ES 13:45 24.34 0.60		FOEL HN 151.0 IAML 11:47 04.32 14 0.28	
LBWR HE 51.7 IAML 13:45 24.83 50 0.16		March 23 2014 Time: 20:10 09.7 UTC Magnitude: 1.2 ML	
LBWR HN 51.7 IAML 13:45 25.32 49 0.32		Lat: 53.220N Lon: -1.009W Depth: 1.2 km	
GDLE HN 134.0 ES 13:45 47.39 1.58		Grid Ref: 466.16 kmE 369.71 kmN RMS: 0.10 secs	
GDLE HN 134.0 IAML 13:45 49.26 12 0.24		Locality: NEW OLLERTON,NOTTS	
GDLE HE 134.0 IAML 13:45 49.62 10 0.19		Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	
FOEL HZ 151.0 EP 13:45 32.83 0.79		Comment: C/F	
FOEL HN 151.0 ES 13:45 51.83 1.69		STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
FOEL HE 151.0 IAML 13:45 53.59 16 0.42		NOLC EZ 0.3 EP 20:10 10.03 0.01	
FOEL HN 151.0 IAML 13:45 54.74 16 0.56		NOLA HZ 1.9 EP 20:10 10.13 -0.12	
LLW BN 183.0 ES 13:45 59.06 1.53		NOLA HN 1.9 ES 20:10 10.56 -0.11	
LLW BN 183.0 IAML 13:46 00.06 4 0.25		NOLA HN 1.9 IAML 20:10 10.90 1801 0.14	
LLW BE 183.0 IAML 13:46 04.81 4 0.50		NOLA HE 1.9 IAML 20:10 10.90 1709 0.12	
MCH1 HZ 192.0 EP 13:45 38.75 1.34		NOLD HZ 2.9 EP 20:10 10.53 0.04	
MCH1 HE 192.0 ES 13:46 01.08 1.65		NOLD HE 2.9 ES 20:10 11.21 0.14	
MCH1 HE 192.0 IAML 13:46 03.01 12 0.44		NOLD HN 2.9 IAML 20:10 11.39 179 0.12	
MCH1 HN 192.0 IAML 13:46 03.18 9 0.20		NOLD HE 2.9 IAML 20:10 11.77 234 0.18	
March 21 2014 Time: 15:50 07.9 UTC Magnitude: 1.1 ML			
Lat: 53.222N Lon: -1.012W Depth: 0.8 km			
Grid Ref: 465.96 kmE 369.93 kmN RMS: 0.10 secs			
Locality: NEW OLLERTON,NOTTS			
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0			
Comment: C/F			
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		NOLF HZ 3.2 EP 20:10 10.45 -0.09	
NOLC EZ 0.0 IP C 15:50 08.13 0.00		NOLF HZ 3.6 EP 20:10 10.62 -0.02	
NOLA HZ 1.6 IP D 15:50 08.23 -0.14		NOLF HE 3.6 IAML 20:10 12.67 762 0.18	
NOLA HN 1.6 ES 15:50 08.62 -0.07		NOLF HN 3.6 IAML 20:10 13.03 671 0.36	
NOLA HN 1.6 IAML 15:50 08.86 2049 0.14		NOLE HZ 3.6 EP 20:10 10.64 -0.02	
NOLA HE 1.6 IAML 15:50 08.87 2957 0.14		NOLE HN 3.6 ES 20:10 11.53 0.17	
NOLD HZ 2.7 EP 15:50 08.66 0.02		NOLE HE 3.6 IAML 20:10 11.63 288 0.10	
		NOLE HN 3.6 IAML 20:10 12.83 273 0.22	
March 23 2014 Time: 21:25 01.7 UTC Magnitude: 1.8 ML			
Lat: 53.220N Lon: -1.008W Depth: 1.3 km			
Grid Ref: 466.23 kmE 369.71 kmN RMS: 0.10 secs			
Locality: NEW OLLERTON,NOTTS			
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0			
Comment: C/F,FELT N OLLERTON Intensity: 3			
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES		NOLC EZ 0.4 IP C 21:25 02.08 0.01	
NOLC EZ 0.4 IP C 21:25 02.08 0.01		NOLA HZ 1.9 IP D 21:25 02.19 -0.12	
NOLA HZ 1.9 IP D 21:25 02.19 -0.12		NOLA HN 1.9 ES 21:25 02.64 -0.11	
NOLA HN 1.9 ES 21:25 02.64 -0.11		NOLA HE 1.9 IAML 21:25 02.93 16799 0.20	
NOLA HE 1.9 IAML 21:25 02.93 16799 0.20			

TABLE 2 : PHASE DATA

<p>EDMD HZ 309.0 EP 18:13 39.98 0.03 SWN1 HZ 310.0 EP 18:13 40.85 0.73 SWN1 HN 310.0 IAML 18:14 31.05 262 0.40 SWN1 HE 310.0 IAML 18:14 33.99 233 0.54 STRD HZ 314.0 EP 18:13 41.33 0.74 STRD HE 314.0 IAML 18:14 31.99 498 0.74 STRD HN 314.0 IAML 18:14 35.21 692 0.90 HLML HZ 326.0 EP 18:13 42.21 0.04 HLML HE 326.0 IAML 18:14 36.02 201 0.32 HLML HN 326.0 IAML 18:14 41.96 125 0.64 FOEL HZ 339.0 EP 18:13 44.30 0.51 FOEL HE 339.0 IAML 18:14 45.94 193 0.64 FOEL HN 339.0 IAML 18:14 47.64 166 0.48 MCH1 HZ 353.0 EP 18:13 45.36 -0.14 MCH1 HN 353.0 IAML 18:14 38.56 198 0.70 MCH1 HE 353.0 IAML 18:14 39.55 102 0.33 LLW BZ 371.0 EP 18:13 47.79 0.10 ESK HZ 405.0 EP 18:13 52.23 0.32 ESK HE 405.0 IAML 18:15 04.91 24 0.36 ESK HN 405.0 IAML 18:15 14.46 28 0.44 WME EZ 410.0 EP 18:13 52.02 -0.50 WLF1 HZ 416.0 EP 18:13 52.91 -0.38 WLF1 HN 416.0 IAML 18:14 39.53 91 0.50 WLF1 HE 416.0 IAML 18:14 40.18 55 0.44 ESY EZ 418.0 EP 18:13 53.38 -0.22 WPS HZ 423.0 EP 18:13 53.25 -0.87 WPS HE 423.0 IAML 18:14 40.95 20 0.36 WPS HN 423.0 IAML 18:15 08.68 40 0.50 EBL HZ 427.0 EP 18:13 54.53 -0.19 IOMK HZ 439.0 EP 18:13 55.68 -0.45 IOMK HN 439.0 IAML 18:15 15.83 46 0.64 IOMK HE 439.0 IAML 18:15 26.38 34 0.46 WIM EZ 443.0 EP 18:13 56.51 -0.16 NEWG HZ 450.0 EP 18:13 57.41 -0.16 RSBS HZ 467.0 EP 18:13 58.48 -1.11 RSBS HE 467.0 IAML 18:15 09.16 36 0.34 RSBS HN 467.0 IAML 18:15 12.81 30 0.44 GALL HZ 468.0 EP 18:13 59.64 -0.06 DRUM HZ 498.0 EP 18:14 02.48 -1.00 PGB1 HZ 502.0 EP 18:14 04.53 0.49 EAB EZ 519.0 EP 18:14 06.10 -0.03 INVG HZ 522.0 EP 18:14 05.87 -0.61 LAWE HZ 578.0 EP 18:14 12.99 -0.37 KPL HZ 663.0 EP 18:14 23.61 -0.32</p>	<p>Lat: 52.007N Lon: -3.077W Grid Ref: 326.08 kmE 234.88 kmN Locality: DORSTONE,HEREFORDSHIRE Velocity model: Mid Wales Xnear: 100.0 Xfar: 200.0 Comment: 8KM SW DORSTONE</p> <table border="0" style="width: 100%; font-size: small;"> <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> <tr> <td>MCH1</td><td>HZ</td><td>5.5</td><td>IP</td><td></td><td>C</td><td>00:19</td><td>56.73</td><td></td><td></td><td>-0.12</td></tr> <tr> <td>MCH1</td><td>HN</td><td>5.5</td><td>ES</td><td></td><td></td><td>00:19</td><td>59.06</td><td></td><td></td><td>0.10</td></tr> <tr> <td>MCH1</td><td>HE</td><td>5.5</td><td>IAML</td><td></td><td></td><td>00:19</td><td>59.19</td><td>525</td><td>0.18</td><td></td></tr> <tr> <td>MCH1</td><td>HN</td><td>5.5</td><td>IAML</td><td></td><td></td><td>00:19</td><td>59.22</td><td>1264</td><td>0.16</td><td></td></tr> <tr> <td>HLM1</td><td>HZ</td><td>58.5</td><td>EP</td><td></td><td></td><td>00:20</td><td>03.82</td><td></td><td></td><td>-0.16</td></tr> <tr> <td>HLM1</td><td>HE</td><td>58.5</td><td>ES</td><td></td><td></td><td>00:20</td><td>11.14</td><td></td><td></td><td>-0.07</td></tr> <tr> <td>HLM1</td><td>HE</td><td>58.5</td><td>IAML</td><td></td><td></td><td>00:20</td><td>11.53</td><td>61</td><td>0.24</td><td></td></tr> <tr> <td>HLM1</td><td>HN</td><td>58.5</td><td>IAML</td><td></td><td></td><td>00:20</td><td>11.65</td><td>55</td><td>0.10</td><td></td></tr> <tr> <td>FOEL</td><td>HZ</td><td>98.6</td><td>EP</td><td></td><td></td><td>00:20</td><td>10.16</td><td></td><td></td><td>0.15</td></tr> <tr> <td>FOEL</td><td>HE</td><td>98.6</td><td>ES</td><td></td><td></td><td>00:20</td><td>21.75</td><td></td><td></td><td>0.16</td></tr> <tr> <td>FOEL</td><td>HN</td><td>98.6</td><td>IAML</td><td></td><td></td><td>00:20</td><td>21.92</td><td>34</td><td>0.34</td><td></td></tr> <tr> <td>FOEL</td><td>HE</td><td>98.6</td><td>IAML</td><td></td><td></td><td>00:20</td><td>22.12</td><td>50</td><td>0.34</td><td></td></tr> <tr> <td>LLW</td><td>BZ</td><td>102.0</td><td>EP</td><td></td><td></td><td>00:20</td><td>10.57</td><td></td><td></td><td>0.09</td></tr> <tr> <td>LLW</td><td>BN</td><td>102.0</td><td>ES</td><td></td><td></td><td>00:20</td><td>22.21</td><td></td><td></td><td>-0.18</td></tr> <tr> <td>LLW</td><td>BE</td><td>102.0</td><td>IAML</td><td></td><td></td><td>00:20</td><td>22.69</td><td>11</td><td>0.10</td><td></td></tr> <tr> <td>LLW</td><td>BN</td><td>102.0</td><td>IAML</td><td></td><td></td><td>00:20</td><td>23.01</td><td>10</td><td>0.15</td><td></td></tr> <tr> <td>CBW</td><td>HZ</td><td>145.0</td><td>EP</td><td></td><td></td><td>00:20</td><td>16.74</td><td></td><td></td><td>-0.26</td></tr> <tr> <td>CBW</td><td>HN</td><td>145.0</td><td>ES</td><td></td><td></td><td>00:20</td><td>33.83</td><td></td><td></td><td>0.21</td></tr> <tr> <td>CBW</td><td>HE</td><td>145.0</td><td>IAML</td><td></td><td></td><td>00:20</td><td>34.55</td><td>17</td><td>0.48</td><td></td></tr> <tr> <td>CBW</td><td>HN</td><td>145.0</td><td>IAML</td><td></td><td></td><td>00:20</td><td>35.49</td><td>16</td><td>0.20</td><td></td></tr> <tr> <td>WLF1</td><td>HZ</td><td>168.0</td><td>EP</td><td></td><td></td><td>00:20</td><td>20.03</td><td></td><td></td><td>0.18</td></tr> <tr> <td>WPS</td><td>HZ</td><td>182.0</td><td>EP</td><td></td><td></td><td>00:20</td><td>22.31</td><td></td><td></td><td>0.71</td></tr> </table> <p>May 9 2014 Time: 03:30 26.7 UTC Magnitude: 0.7 ML Lat: 51.835N Lon: -3.379W Grid Ref: 304.99 kmE 216.10 kmN Locality: LLANGYNIDR,POWYS Velocity model: Lownet Xnear: 100.0 Xfar: 200.0 Comment: C/F</p> <table border="0" style="width: 100%; font-size: small;"> <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> <tr> <td>MCH1</td><td>HZ</td><td>31.8</td><td>EP</td><td></td><td></td><td>03:30</td><td>32.55</td><td></td><td></td><td>-0.07</td></tr> <tr> <td>MCH1</td><td>HE</td><td>31.8</td><td>ES</td><td></td><td></td><td>03:30</td><td>36.75</td><td></td><td></td><td>-0.18</td></tr> <tr> <td>MCH1</td><td>HE</td><td>31.8</td><td>IAML</td><td></td><td></td><td>03:30</td><td>40.33</td><td>8</td><td>0.20</td><td></td></tr> <tr> <td>MCH1</td><td>HN</td><td>31.8</td><td>IAML</td><td></td><td></td><td>03:30</td><td>40.59</td><td>7</td><td>0.22</td><td></td></tr> <tr> <td>HLM1</td><td>HZ</td><td>83.3</td><td>EP</td><td></td><td></td><td>03:30</td><td>41.19</td><td></td><td></td><td>0.30</td></tr> <tr> <td>HLM1</td><td>HN</td><td>83.3</td><td>ES</td><td></td><td></td><td>03:30</td><td>50.98</td><td></td><td></td><td>-0.26</td></tr> <tr> <td>HLM1</td><td>HN</td><td>83.3</td><td>IAML</td><td></td><td></td><td>03:30</td><td>53.04</td><td>3</td><td>0.22</td><td></td></tr> <tr> <td>HLM1</td><td>HE</td><td>83.3</td><td>IAML</td><td></td><td></td><td>03:30</td><td>53.21</td><td>3</td><td>0.12</td><td></td></tr> <tr> <td>RSBS</td><td>HN</td><td>94.9</td><td>ES</td><td></td><td></td><td>03:30</td><td>54.08</td><td></td><td></td><td>-0.21</td></tr> <tr> <td>FOEL</td><td>HZ</td><td>118.0</td><td>EP</td><td></td><td></td><td>03:30</td><td>46.90</td><td></td><td></td><td>0.63</td></tr> <tr> <td>CBW</td><td>HE</td><td>173.0</td><td>ES</td><td></td><td></td><td>03:31</td><td>14.33</td><td></td><td></td><td>-0.11</td></tr> <tr> <td>CBW</td><td>HE</td><td>173.0</td><td>IAML</td><td></td><td></td><td>03:31</td><td>14.59</td><td>2</td><td>0.20</td><td></td></tr> <tr> <td>CBW</td><td>HN</td><td>173.0</td><td>IAML</td><td></td><td></td><td>03:31</td><td>15.05</td><td>2</td><td>0.20</td><td></td></tr> </table> <p>May 2 2014 Time: 20:41 26.0 UTC Magnitude: 0.6 ML Lat: 53.207N Lon: -0.997W Grid Ref: 466.98 kmE 368.27 kmN Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</p> <table border="0" style="width: 100%; font-size: small;"> <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> <tr> <td>NOLC</td><td>EZ</td><td>1.9</td><td>IP</td><td></td><td>D</td><td>20:41</td><td>26.76</td><td></td><td></td><td>0.00</td></tr> <tr> <td>NOLA</td><td>HZ</td><td>3.4</td><td>EP</td><td></td><td></td><td>20:41</td><td>26.99</td><td></td><td></td><td>-0.05</td></tr> <tr> <td>NOLA</td><td>HE</td><td>3.4</td><td>IAML</td><td></td><td></td><td>20:41</td><td>28.15</td><td>245</td><td>0.15</td><td></td></tr> <tr> <td>NOLA</td><td>HN</td><td>3.4</td><td>IAML</td><td></td><td></td><td>20:41</td><td>28.22</td><td>219</td><td>0.14</td><td></td></tr> <tr> <td>NOLG</td><td>EZ</td><td>3.6</td><td>EP</td><td></td><td></td><td>20:41</td><td>27.10</td><td></td><td></td><td>0.02</td></tr> <tr> <td>NOLD</td><td>HE</td><td>3.7</td><td>ES</td><td></td><td></td><td>20:41</td><td>27.92</td><td></td><td></td><td>0.01</td></tr> <tr> <td>NOLD</td><td>HN</td><td>3.7</td><td>IAML</td><td></td><td></td><td>20:41</td><td>28.08</td><td>30</td><td>0.16</td><td></td></tr> <tr> <td>NOLD</td><td>HE</td><td>3.7</td><td>IAML</td><td></td><td></td><td>20:41</td><td>28.38</td><td>24</td><td>0.18</td><td></td></tr> <tr> <td>NOLB</td><td>EZ</td><td>4.5</td><td>EP</td><td></td><td></td><td>20:41</td><td>27.31</td><td></td><td></td><td>0.03</td></tr> <tr> <td>NOLF</td><td>HZ</td><td>5.2</td><td>EP</td><td></td><td></td><td>20:41</td><td>27.38</td><td></td><td></td><td>-0.01</td></tr> <tr> <td>NOLF</td><td>HE</td><td>5.2</td><td>IAML</td><td></td><td></td><td>20:41</td><td>29.53</td><td>79</td><td>0.16</td><td></td></tr> <tr> <td>NOLF</td><td>HN</td><td>5.2</td><td>IAML</td><td></td><td></td><td>20:41</td><td>29.88</td><td>94</td><td>0.36</td><td></td></tr> </table> <p>May 7 2014 Time: 16:49 45.3 UTC Magnitude: 1.1 ML Lat: 56.382N Lon: -5.482W Grid Ref: 185.05 kmE 726.51 kmN Locality: OBAN,ARGYLL & BUTE Velocity model: Lownet Xnear: 100.0 Xfar: 200.0 Comment: 3KM SSE OBAN</p> <table border="0" style="width: 100%; font-size: small;"> <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> <tr> <td>LAWE</td><td>HZ</td><td>14.5</td><td>IP</td><td></td><td>C</td><td>16:49</td><td>48.37</td><td></td><td></td><td>0.07</td></tr> <tr> <td>LAWE</td><td>HE</td><td>14.5</td><td>ES</td><td></td><td></td><td>16:49</td><td>50.37</td><td></td><td></td><td>-0.11</td></tr> <tr> <td>LAWE</td><td>HN</td><td>14.5</td><td>ES</td><td></td><td></td><td>16:49</td><td>50.44</td><td></td><td></td><td>-0.04</td></tr> <tr> <td>LAWE</td><td>HE</td><td>14.5</td><td>IAML</td><td></td><td></td><td>16:49</td><td>50.49</td><td>80</td><td>0.10</td><td></td></tr> <tr> <td>LAWE</td><td>HN</td><td>14.5</td><td>IAML</td><td></td><td></td><td>16:49</td><td>50.58</td><td>91</td><td>0.10</td><td></td></tr> <tr> <td>EAB</td><td>EZ</td><td>74.1</td><td>EP</td><td></td><td></td><td>16:49</td><td>58.03</td><td></td><td></td><td>0.18</td></tr> <tr> <td>INVG</td><td>HZ</td><td>88.9</td><td>EP</td><td></td><td></td><td>16:50</td><td>00.10</td><td></td><td></td><td>-0.05</td></tr> <tr> <td>INVG</td><td>HN</td><td>88.9</td><td>ES</td><td></td><td></td><td>16:50</td><td>10.94</td><td></td><td></td><td>-0.05</td></tr> <tr> <td>INVG</td><td>HE</td><td>88.9</td><td>IAML</td><td></td><td></td><td>16:50</td><td>13.75</td><td>6</td><td>0.07</td><td></td></tr> <tr> <td>INVG</td><td>HN</td><td>88.9</td><td>IAML</td><td></td><td></td><td>16:50</td><td>13.84</td><td>6</td><td>0.08</td><td></td></tr> <tr> <td>KPL</td><td>HZ</td><td>107.0</td><td>EP</td><td></td><td></td><td>16:50</td><td>02.98</td><td></td><td></td><td>0.06</td></tr> <tr> <td>KPL</td><td>HE</td><td>107.0</td><td>ES</td><td></td><td></td><td>16:50</td><td>15.56</td><td></td><td></td><td>-0.22</td></tr> <tr> <td>KPL</td><td>HN</td><td>107.0</td><td>IAML</td><td></td><td></td><td>16:50</td><td>18.46</td><td>3</td><td>0.28</td><td></td></tr> <tr> <td>KPL</td><td>HE</td><td>107.0</td><td>IAML</td><td></td><td></td><td>16:50</td><td>18.50</td><td>5</td><td>0.32</td><td></td></tr> <tr> <td>KAC</td><td>EZ</td><td>125.0</td><td>EP</td><td></td><td></td><td>16:50</td><td>05.94</td><td></td><td></td><td>0.23</td></tr> </table> <p>May 8 2014 Time: 00:19 53.9 UTC Magnitude: 1.8 ML</p> <table border="0" style="width: 100%; font-size: small;"> <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> <tr> <td>KAC</td><td>EZ</td><td>17.0</td><td>EP</td><td></td><td></td><td>16:46</td><td>20.86</td><td></td><td></td><td>0.09</td></tr> <tr> <td>KAC</td><td>EZ</td><td>17.0</td><td>ES</td><td></td><td></td><td>16:46</td><td>23.24</td><td></td><td></td><td>-0.17</td></tr> <tr> <td>KPL</td><td>HE</td><td>44.1</td><td>ES</td><td></td><td></td><td>16:46</td><td>30.52</td><td></td><td></td><td>0.04</td></tr> <tr> <td>KPL</td><td>HE</td><td>44.1</td><td>IAML</td><td></td><td></td><td>16:46</td><td>30.66</td><td>4</td><td>0.16</td><td></td></tr> <tr> <td>KPL</td><td>HN</td><td>44.1</td><td>IAML</td><td></td><td></td><td>16:46</td><td>30.83</td><td>3</td><td>0.22</td><td></td></tr> <tr> <td>LEWI</td><td>HZ</td><td>117.0</td><td>EP</td><td></td><td></td><td>16:46</td><td>36.00</td><td></td><td></td><td>-0.08</td></tr> <tr> <td>LEWI</td><td>HN</td><td>117.0</td><td>ES</td><td></td><td></td><td>16:46</td><td>49.91</td><td></td><td></td><td>0.02</td></tr> <tr> <td>BIGH</td><td>HZ</td><td>121.0</td><td>EP</td><td></td><td></td><td>16:46</td><td>37.20</td><td></td><td></td><td>0.56</td></tr> <tr> <td>BIGH</td><td>HN</td><td>121.0</td><td>ES</td><td></td><td></td><td>16:46</td><td>50.41</td><td></td><td></td><td>-0.44</td></tr> </table>	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	MCH1	HZ	5.5	IP		C	00:19	56.73			-0.12	MCH1	HN	5.5	ES			00:19	59.06			0.10	MCH1	HE	5.5	IAML			00:19	59.19	525	0.18		MCH1	HN	5.5	IAML			00:19	59.22	1264	0.16		HLM1	HZ	58.5	EP			00:20	03.82			-0.16	HLM1	HE	58.5	ES			00:20	11.14			-0.07	HLM1	HE	58.5	IAML			00:20	11.53	61	0.24		HLM1	HN	58.5	IAML			00:20	11.65	55	0.10		FOEL	HZ	98.6	EP			00:20	10.16			0.15	FOEL	HE	98.6	ES			00:20	21.75			0.16	FOEL	HN	98.6	IAML			00:20	21.92	34	0.34		FOEL	HE	98.6	IAML			00:20	22.12	50	0.34		LLW	BZ	102.0	EP			00:20	10.57			0.09	LLW	BN	102.0	ES			00:20	22.21			-0.18	LLW	BE	102.0	IAML			00:20	22.69	11	0.10		LLW	BN	102.0	IAML			00:20	23.01	10	0.15		CBW	HZ	145.0	EP			00:20	16.74			-0.26	CBW	HN	145.0	ES			00:20	33.83			0.21	CBW	HE	145.0	IAML			00:20	34.55	17	0.48		CBW	HN	145.0	IAML			00:20	35.49	16	0.20		WLF1	HZ	168.0	EP			00:20	20.03			0.18	WPS	HZ	182.0	EP			00:20	22.31			0.71	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	MCH1	HZ	31.8	EP			03:30	32.55			-0.07	MCH1	HE	31.8	ES			03:30	36.75			-0.18	MCH1	HE	31.8	IAML			03:30	40.33	8	0.20		MCH1	HN	31.8	IAML			03:30	40.59	7	0.22		HLM1	HZ	83.3	EP			03:30	41.19			0.30	HLM1	HN	83.3	ES			03:30	50.98			-0.26	HLM1	HN	83.3	IAML			03:30	53.04	3	0.22		HLM1	HE	83.3	IAML			03:30	53.21	3	0.12		RSBS	HN	94.9	ES			03:30	54.08			-0.21	FOEL	HZ	118.0	EP			03:30	46.90			0.63	CBW	HE	173.0	ES			03:31	14.33			-0.11	CBW	HE	173.0	IAML			03:31	14.59	2	0.20		CBW	HN	173.0	IAML			03:31	15.05	2	0.20		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	NOLC	EZ	1.9	IP		D	20:41	26.76			0.00	NOLA	HZ	3.4	EP			20:41	26.99			-0.05	NOLA	HE	3.4	IAML			20:41	28.15	245	0.15		NOLA	HN	3.4	IAML			20:41	28.22	219	0.14		NOLG	EZ	3.6	EP			20:41	27.10			0.02	NOLD	HE	3.7	ES			20:41	27.92			0.01	NOLD	HN	3.7	IAML			20:41	28.08	30	0.16		NOLD	HE	3.7	IAML			20:41	28.38	24	0.18		NOLB	EZ	4.5	EP			20:41	27.31			0.03	NOLF	HZ	5.2	EP			20:41	27.38			-0.01	NOLF	HE	5.2	IAML			20:41	29.53	79	0.16		NOLF	HN	5.2	IAML			20:41	29.88	94	0.36		STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	LAWE	HZ	14.5	IP		C	16:49	48.37			0.07	LAWE	HE	14.5	ES			16:49	50.37			-0.11	LAWE	HN	14.5	ES			16:49	50.44			-0.04	LAWE	HE	14.5	IAML			16:49	50.49	80	0.10		LAWE	HN	14.5	IAML			16:49	50.58	91	0.10		EAB	EZ	74.1	EP			16:49	58.03			0.18	INVG	HZ	88.9	EP			16:50	00.10			-0.05	INVG	HN	88.9	ES			16:50	10.94			-0.05	INVG	HE	88.9	IAML			16:50	13.75	6	0.07		INVG	HN	88.9	IAML			16:50	13.84	6	0.08		KPL	HZ	107.0	EP			16:50	02.98			0.06	KPL	HE	107.0	ES			16:50	15.56			-0.22	KPL	HN	107.0	IAML			16:50	18.46	3	0.28		KPL	HE	107.0	IAML			16:50	18.50	5	0.32		KAC	EZ	125.0	EP			16:50	05.94			0.23	STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES	KAC	EZ	17.0	EP			16:46	20.86			0.09	KAC	EZ	17.0	ES			16:46	23.24			-0.17	KPL	HE	44.1	ES			16:46	30.52			0.04	KPL	HE	44.1	IAML			16:46	30.66	4	0.16		KPL	HN	44.1	IAML			16:46	30.83	3	0.22		LEWI	HZ	117.0	EP			16:46	36.00			-0.08	LEWI	HN	117.0	ES			16:46	49.91			0.02	BIGH	HZ	121.0	EP			16:46	37.20			0.56	BIGH	HN	121.0	ES			16:46	50.41			-0.44
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WPS	HZ	182.0	EP			00:20	22.31			0.71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
MCH1	HZ	31.8	EP			03:30	32.55			-0.07																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
MCH1	HE	31.8	ES			03:30	36.75			-0.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
MCH1	HE	31.8	IAML			03:30	40.33	8	0.20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
MCH1	HN	31.8	IAML			03:30	40.59	7	0.22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
HLM1	HZ	83.3	EP			03:30	41.19			0.30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
HLM1	HN	83.3	ES			03:30	50.98			-0.26																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
HLM1	HN	83.3	IAML			03:30	53.04	3	0.22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
HLM1	HE	83.3	IAML			03:30	53.21	3	0.12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
RSBS	HN	94.9	ES			03:30	54.08			-0.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
FOEL	HZ	118.0	EP			03:30	46.90			0.63																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
CBW	HE	173.0	ES			03:31	14.33			-0.11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
CBW	HE	173.0	IAML			03:31	14.59	2	0.20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
CBW	HN	173.0	IAML			03:31	15.05	2	0.20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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NOLC	EZ	1.9	IP		D	20:41	26.76			0.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NOLA	HZ	3.4	EP			20:41	26.99			-0.05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NOLA	HE	3.4	IAML			20:41	28.15	245	0.15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NOLA	HN	3.4	IAML			20:41	28.22	219	0.14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NOLG	EZ	3.6	EP			20:41	27.10			0.02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NOLD	HE	3.7	ES			20:41	27.92			0.01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NOLD	HN	3.7	IAML			20:41	28.08	30	0.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NOLD	HE	3.7	IAML			20:41	28.38	24	0.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NOLB	EZ	4.5	EP			20:41	27.31			0.03																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NOLF	HZ	5.2	EP			20:41	27.38			-0.01																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NOLF	HE	5.2	IAML			20:41	29.53	79	0.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NOLF	HN	5.2	IAML			20:41	29.88	94	0.36																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
LAWE	HZ	14.5	IP		C	16:49	48.37			0.07																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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LAWE	HN	14.5	ES			16:49	50.44			-0.04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
LAWE	HE	14.5	IAML			16:49	50.49	80	0.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
LAWE	HN	14.5	IAML			16:49	50.58	91	0.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
EAB	EZ	74.1	EP			16:49	58.03			0.18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
INVG	HZ	88.9	EP			16:50	00.10			-0.05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
INVG	HN	88.9	ES			16:50	10.94			-0.05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
INVG	HE	88.9	IAML			16:50	13.75	6	0.07																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
INVG	HN	88.9	IAML			16:50	13.84	6	0.08																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
KPL	HZ	107.0	EP			16:50	02.98			0.06																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
KPL	HE	107.0	ES			16:50	15.56			-0.22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
KPL	HN	107.0	IAML			16:50	18.46	3	0.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
KPL	HE	107.0	IAML			16:50	18.50	5	0.32																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
KAC	EZ	125.0	EP			16:50	05.94			0.23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
KAC	EZ	17.0	EP			16:46	20.86			0.09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
KAC	EZ	17.0	ES			16:46	23.24			-0.17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
KPL	HE	44.1	ES			16:46	30.52			0.04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
KPL	HE	44.1	IAML			16:46	30.66	4	0.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
KPL	HN	44.1	IAML			16:46	30.83	3	0.22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
LEWI	HZ	117.0	EP			16:46	36.00			-0.08																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
LEWI	HN	117.0	ES			16:46	49.91			0.02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
BIGH	HZ	121.0	EP			16:46	37.20			0.56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
BIGH	HN	121.0	ES			16:46	50.41			-0.44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

TABLE 2 : PHASE DATA

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Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
KESW HN 37.5 EP 11:07 33.00 -0.07
KESW HE 37.5 ES 11:07 37.79 -0.23
KESW HE 37.5 IAML 11:07 37.96 30 0.19
KESW HN 37.5 IAML 11:07 38.61 22 0.16
IOMK HZ 86.2 EP 11:07 40.74 0.19
IOMK HN 86.2 ES 11:07 50.74 -0.22
IOMK HN 86.2 IAML 11:07 51.32 15 0.15
IOMK HE 86.2 IAML 11:07 51.54 9 0.12
WIM EZ 94.2 EP 11:07 42.10 0.27
EDMD HZ 104.0 EP 11:07 43.51 0.23
EDMD HE 104.0 ES 11:07 55.37 -0.31
EDMD HN 104.0 IAML 11:07 56.48 17 0.21
EDMD HE 104.0 IAML 11:07 56.80 20 0.20
NEWG HZ 115.0 EP 11:07 44.85 0.09
NEWG HN 115.0 ES 11:07 58.18 -0.06
NEWG HN 115.0 IAML 11:07 58.52 3 0.22
NEWG HE 115.0 IAML 11:07 58.53 4 0.26
GALL HE 116.0 ES 11:07 58.43 -0.25
GALL HN 116.0 IAML 11:07 58.67 6 0.30
GALL HE 116.0 IAML 11:07 58.69 4 0.26
ESK HZ 118.0 EP 11:07 45.74 0.54
ESK HE 118.0 ES 11:07 59.26 0.26
ESK HN 118.0 IAML 11:07 59.97 3 0.09
ESK HE 118.0 IAML 11:08 00.06 4 0.12
WME EZ 119.0 EP 11:07 44.97 -0.39
    
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May 20 2014 Time: 01:34 31.1 UTC Magnitude: 0.5 ML
Lat: 56.442N Lon: -5.823W Depth: 2.5 km
Grid Ref: 164.39 kmE 734.30 kmN RMS: 0.20 secs
Locality: MULL,ARGYLL & BUTE
    
```

```

Velocity model: Lownet Xnear: 100.0 Xfar: 150.0
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
LAWE HZ 33.1 IP C 01:34 37.02 -0.23
LAWE HN 33.1 ES 01:34 41.33 -0.38
LAWE HE 33.1 IAML 01:34 41.73 4 0.07
LAWE HN 33.1 IAML 01:34 42.20 3 0.08
EAB EZ 96.2 EP 01:34 47.67 0.38
KPL HZ 100.0 EP 01:34 47.80 -0.11
KPL HN 100.0 ES 01:35 00.08 -0.07
PGB1 HZ 109.0 EP 01:34 49.34 0.08
PGB1 HN 109.0 ES 01:35 02.72 0.24
PGB1 HN 109.0 IAML 01:35 03.56 2 0.22
PGB1 HE 109.0 IAML 01:35 04.56 2 0.19
INVG HZ 110.0 EP 01:34 49.70 0.30
INVG HN 110.0 ES 01:35 02.69 -0.05
INVG HN 110.0 IAML 01:35 04.08 2 0.09
INVG HE 110.0 IAML 01:35 04.13 2 0.11
KAC EZ 122.0 EP 01:34 51.36 0.08
    
```

```

May 20 2014 Time: 14:30 17.5 UTC Magnitude: 1.5 ML
Lat: 57.709N Lon: -5.735W Depth: 4.4 km
Grid Ref: 177.53 kmE 874.91 kmN RMS: 0.50 secs
Locality: GAIRLOCH,HIGHLAND
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: FELT GAIRLOCH Intensity: 2
    
```

```

STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
KAC EZ 35.0 IP C 14:30 23.91 -0.07
KAC EZ 35.0 ES 14:30 28.29 -0.40
KPL HZ 41.5 EP 14:30 25.31 0.29
KPL HN 41.5 ES 14:30 29.97 -0.52
KPL HN 41.5 IAML 14:30 30.55 13 0.14
KPL HE 41.5 IAML 14:30 30.74 26 0.16
LEWI HZ 82.9 EP 14:30 31.31 -0.18
MDO EZ 87.3 EP 14:30 32.85 0.65
BIGH HZ 139.0 EP 14:30 40.19 0.23
BIGH HN 139.0 ES 14:30 55.65 -0.69
BIGH HE 139.0 IAML 14:30 57.73 21 0.30
BIGH HN 139.0 IAML 14:30 57.75 16 0.22
MCD EZ 149.0 EP 14:30 41.86 0.39
MCD EE 149.0 ES 14:30 59.23 0.28
MCD EE 149.0 IAML 14:31 00.95 14 0.40
MCD EN 149.0 IAML 14:31 01.44 8 0.21
LAWE HZ 163.0 EP 14:30 45.08 1.66
    
```

```

May 25 2014 Time: 05:41 06.7 UTC Magnitude: 0.7 ML
Lat: 56.564N Lon: -5.391W Depth: 8.2 km
Grid Ref: 191.67 kmE 746.47 kmN RMS: 0.30 secs
Locality: APPIN,HIGHLAND
    
```

```

Velocity model: Lownet Xnear: 100.0 Xfar: 150.0
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
LAWE HZ 33.8 EP 05:41 12.75 -0.06
LAWE HZ 33.8 ES 05:41 17.06 -0.22
LAWE HE 33.8 IAML 05:41 17.46 16 0.11
LAWE HZ 33.8 IAML 05:41 17.52 14 0.14
EAB EZ 77.3 EP 05:41 20.37 0.79
INVG HZ 84.3 EP 05:41 20.67 0.00
INVG HZ 84.3 ES 05:41 30.46 -0.41
    
```

```

INVG HZ 84.3 IAML 05:41 32.96 3 0.11
INVG HN 84.3 IAML 05:41 33.07 4 0.12
KPL HZ 87.8 EP 05:41 21.13 -0.03
KPL HN 87.8 ES 05:41 31.65 -0.06
KPL HE 87.8 IAML 05:41 34.28 3 0.19
KPL HN 87.8 IAML 05:41 34.43 2 0.35
May 26 2014 Time: 12:40 35.4 UTC Magnitude: 0.6 ML
Lat: 53.217N Lon: -0.998W Depth: 0.8 km
Grid Ref: 466.90 kmE 369.38 kmN RMS: 0.00 secs
Locality: NEW OLLERTON,NOTTS
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0
Comment: C/F
    
```

```

STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
NOLA HZ 2.6 EP 12:40 35.73 0.02
NOLA HN 2.6 ES 12:40 35.98 -0.08
NOLA HE 2.6 IAML 12:40 36.52 -0.05
NOLA HN 2.6 IAML 12:40 36.85 445 0.14
NOLA HN 2.6 IAML 12:40 37.22 408 0.15
NOLD HE 3.5 ES 12:40 36.99 0.05
NOLD HN 3.5 IAML 12:40 37.97 60 0.10
NOLD HE 3.5 IAML 12:40 38.25 69 0.20
NOLE HE 4.2 ES 12:40 37.26 0.05
NOLE HE 4.2 IAML 12:40 37.45 45 0.14
NOLE HN 4.2 IAML 12:40 38.67 43 0.22
NOLF HZ 4.3 EP 12:40 36.49 0.02
NOLF HE 4.3 IAML 12:40 38.58 122 0.20
NOLF HN 4.3 IAML 12:40 38.60 115 0.16
    
```

```

May 27 2014 Time: 14:40 32.1 UTC Magnitude: 1.4 ML
Lat: 51.510N Lon: -2.805W Depth: 3.8 km
Grid Ref: 344.14 kmE 179.37 kmN RMS: 0.20 secs
Locality: BRISTOL CHANNEL
    
```

```

Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 3KM NW PORTISHEAD
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
MONM HZ 36.6 EP 14:40 38.80 -0.04
MONM HN 36.6 ES 14:40 44.01 0.28
MONM HE 36.6 IAML 14:40 44.24 64 0.16
MONM HN 36.6 IAML 14:40 44.25 81 0.16
STRD HZ 53.4 EP 14:40 41.27 -0.28
STRD HN 53.4 ES 14:40 48.28 -0.14
STRD HN 53.4 IAML 14:40 48.68 38 0.22
STRD HE 53.4 IAML 14:40 48.73 32 0.32
MCH1 HZ 55.8 EP 14:40 41.73 -0.20
MCH1 HN 55.8 ES 14:40 48.96 -0.12
MCH1 HN 55.8 IAML 14:40 49.17 11 0.24
MCH1 HE 55.8 IAML 14:40 49.26 20 0.14
SWN1 HZ 69.7 EP 14:40 44.27 0.19
HLM1 HZ 112.0 EP 14:40 51.19 0.46
HLM1 HE 112.0 ES 14:41 04.24 -0.06
HLM1 HE 112.0 IAML 14:41 05.22 13 0.12
HLM1 HN 112.0 IAML 14:41 06.20 9 0.19
HTL HZ 131.0 EP 14:40 53.44 -0.06
HTL HE 131.0 ES 14:41 09.02 -0.07
HTL HE 131.0 IAML 14:41 10.13 6 0.12
HTL HN 131.0 IAML 14:41 10.72 9 0.24
CWF HE 171.0 ES 14:41 19.81 0.73
    
```

```

June 6 2014 Time: 15:04 44.7 UTC Magnitude: 1.2 ML
Lat: 57.321N Lon: -5.284W Depth: 2.6 km
Grid Ref: 202.29 kmE 830.35 kmN RMS: 0.40 secs
Locality: KILLILAN,HIGHLAND
    
```

```

Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
KAC EZ 19.8 EP 15:04 48.25 -0.27
KPL HZ 22.3 IP C 15:04 49.17 0.26
KPL HE 22.3 IAML 15:04 49.25 54 0.10
KPL HN 22.3 IAML 15:04 49.34 16 0.14
KPL HN 22.3 ES 15:04 51.85 -0.16
INVG HN 125.0 ES 15:05 19.58 -0.75
INVG HE 125.0 IAML 15:05 24.22 2 0.19
MCD EZ 125.0 EP 15:05 05.32 0.00
MCD EN 125.0 ES 15:05 20.62 0.22
MCD EN 125.0 IAML 15:05 20.87 7 0.30
MCD EE 125.0 IAML 15:05 21.94 9 0.12
INVG HZ 125.0 EP 15:05 05.59 0.31
INVG HN 125.0 IAML 15:05 22.33 4 0.16
EAB EZ 139.0 EP 15:05 08.02 0.68
BIGH HZ 154.0 EP 15:05 09.59 0.15
BIGH HE 154.0 IAML 15:05 28.71 10 0.16
BIGH HN 154.0 IAML 15:05 29.08 5 0.14
    
```

```

June 8 2014 Time: 03:47 11.7 UTC Magnitude: 1.0 ML
Lat: 55.348N Lon: -5.280W Depth: 7.4 km
Grid Ref: 192.06 kmE 610.90 kmN RMS: 0.40 secs
Locality: ARRAN,NORTH AYRSHPHIRE
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
Comment: 10KM OFFSHORE ARRAN
    
```


TABLE 2 : PHASE DATA

<p>JDC EZ 27.0 EP 15:15 35.30 -0.05 JDC EE 27.0 ES 15:15 39.07 0.02 ROSF BZ 106.0 EP 15:15 47.76 0.03 DYA HE 189.0 ES 15:16 20.91 -0.01 DYA HN 189.0 IAML 15:16 23.28 18 0.18 DYA HE 189.0 IAML 15:16 24.52 21 0.36</p>	<p>Lat: 53.238N Lon: -1.019W Grid Ref: 465.47 kmE 371.70 kmN Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</p>	<p>Depth: 1.4 km RMS: 0.10 secs</p>
<p>July 18 2014 Time: 15:16 30.7 UTC Magnitude: 1.3 ML Lat: 49.079N Lon: -2.342W Depth: 7.1 km Grid Ref: 375.03 kmE -91.16 kmN RMS: 0.10 secs Locality: JERSEY,CHANNEL ISLANDS Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0 Comment: FELT JERSEY Intensity: 2</p>		
<p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES JSA HZ 17.3 EP 15:16 34.16 -0.09 JSA HE 17.3 ES 15:16 36.93 0.10 JSA HN 17.3 IAML 15:16 37.16 79 0.15 JSA HE 17.3 IAML 15:16 37.43 79 0.23 JDC EZ 25.1 EP 15:16 35.42 -0.07 JDC EE 25.1 ES 15:16 39.01 0.04 JDG EZ 25.1 EP 15:16 35.41 -0.08 JDG EN 25.1 ES 15:16 38.99 0.03 ROSF BZ 107.0 EP 15:16 48.35 0.07</p>	<p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLA HZ 1.2 EP 03:24 29.04 -0.16 NOLA HE 1.2 ES 03:24 29.42 -0.19 NOLA HE 1.2 IAML 03:24 29.53 832 0.10 NOLA HN 1.2 IAML 03:24 29.71 1208 0.12 NOLE HZ 1.6 EP 03:24 29.25 -0.01 NOLE HE 1.6 ES 03:24 29.86 0.13 NOLE HE 1.6 IAML 03:24 30.43 176 0.14 NOLE HN 1.6 IAML 03:24 30.50 182 0.14 NOLF HZ 1.8 EP 03:24 29.14 -0.16 NOLF HE 1.8 ES 03:24 29.89 0.10 NOLF HN 1.8 IAML 03:24 30.00 716 0.20 NOLF HE 1.8 IAML 03:24 30.61 1147 0.26 NOLC EZ 1.9 EP 03:24 29.37 0.06 NOLB EZ 2.4 EP 03:24 29.28 -0.12 NOLD HZ 3.4 EP 03:24 29.67 0.07 NOLD HN 3.4 ES 03:24 30.56 0.25 NOLD HN 3.4 IAML 03:24 30.66 113 0.10 NOLD HE 3.4 IAML 03:24 30.71 103 0.11 LBWR HN 50.4 ES 03:25 30.35 45.83 LBWR HN 50.4 IAML 03:25 34.65 8 0.42 LBWR HE 50.4 IAML 03:25 34.73 8 0.34 CWF HZ 58.9 EP 03:25 26.23 47.12 CWF HE 58.9 ES 03:25 33.21 46.45 CWF HE 58.9 IAML 03:25 36.98 3 0.24 CWF HN 58.9 IAML 03:25 39.58 2 0.36 HPK HN 89.6 ES 03:25 41.49 46.50 HPK HE 89.6 IAML 03:25 45.77 10 0.54 HPK HN 89.6 IAML 03:25 48.94 8 0.44 HLM1 HN 149.0 ES 03:25 58.84 48.24 HLM1 HN 149.0 IAML 03:26 00.41 3 0.40 HLM1 HE 149.0 IAML 03:26 02.14 4 0.34 FOEL HN 151.0 ES 03:26 00.03 48.80 FOEL HN 151.0 IAML 03:26 01.17 3 0.34 FOEL HE 151.0 IAML 03:26 03.43 8 0.90</p>	
<p>July 19 2014 Time: 18:51 22.2 UTC Magnitude: 1.2 ML Lat: 49.080N Lon: -2.380W Depth: 6.7 km Grid Ref: 372.25 kmE -91.04 kmN RMS: 0.00 secs Locality: JERSEY,CHANNEL ISLANDS Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0 Comment: FELT JERSEY Intensity: 2</p>		
<p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES JSA HZ 19.4 EP 18:51 26.15 0.07 JSA HE 19.4 ES 18:51 28.84 -0.04 JSA HN 19.4 IAML 18:51 29.34 68 0.30 JSA HE 19.4 IAML 18:51 29.43 63 0.22 JDG EZ 27.5 EP 18:51 27.35 -0.04 JDC EZ 27.5 EP 18:51 27.37 -0.03 JDG EN 27.5 ES 18:51 31.19 0.03 JDC EN 27.5 ES 18:51 31.18 0.01</p>	<p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLF HZ 3.2 EP 09:27 04.15 0.36 NOLF HE 3.2 ES 09:27 04.80 0.39 NOLF HE 3.2 IAML 09:27 05.61 477 0.36 NOLF HN 3.2 IAML 09:27 05.65 403 0.36 NOLB EZ 3.5 EP 09:27 04.31 0.45 NOLA HZ 4.7 EP 09:27 03.12 -1.03 NOLA HE 4.7 ES 09:27 04.32 -0.72 NOLA HE 4.7 IAML 09:27 04.43 559 0.14 NOLA HN 4.7 IAML 09:27 06.04 234 0.16 NOLD HN 4.9 ES 09:27 05.51 0.39 NOLD HE 4.9 IAML 09:27 07.04 68 0.32 NOLD HN 4.9 IAML 09:27 07.87 101 0.58 NOLE HN 5.0 ES 09:27 05.32 0.16 NOLE HN 5.0 IAML 09:27 05.50 138 0.20 NOLE HE 5.0 IAML 09:27 06.44 94 0.24</p>	
<p>July 21 2014 Time: 09:27 02.9 UTC Magnitude: 0.9 ML Lat: 53.253N Lon: -1.091W Depth: 1.0 km Grid Ref: 460.64 kmE 373.30 kmN RMS: 0.60 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 50.0 Comment: C/F</p>		
<p>July 22 2014 Time: 03:25 48.5 UTC Magnitude: 1.1 ML Lat: 53.240N Lon: -1.036W Depth: 1.6 km Grid Ref: 464.33 kmE 371.91 kmN RMS: 0.30 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</p>		
<p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLF HZ 3.2 EP 09:27 04.15 0.36 NOLF HE 3.2 ES 09:27 04.80 0.39 NOLF HE 3.2 IAML 09:27 05.61 477 0.36 NOLF HN 3.2 IAML 09:27 05.65 403 0.36 NOLB EZ 3.5 EP 09:27 04.31 0.45 NOLA HZ 4.7 EP 09:27 03.12 -1.03 NOLA HE 4.7 ES 09:27 04.32 -0.72 NOLA HE 4.7 IAML 09:27 04.43 559 0.14 NOLA HN 4.7 IAML 09:27 06.04 234 0.16 NOLD HN 4.9 ES 09:27 05.51 0.39 NOLD HE 4.9 IAML 09:27 07.04 68 0.32 NOLD HN 4.9 IAML 09:27 07.87 101 0.58 NOLE HN 5.0 ES 09:27 05.32 0.16 NOLE HN 5.0 IAML 09:27 05.50 138 0.20 NOLE HE 5.0 IAML 09:27 06.44 94 0.24</p>	<p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLF HZ 0.8 EP 03:25 49.20 0.04 NOLF HE 0.8 ES 03:25 49.93 0.26 NOLF HN 0.8 IAML 03:25 50.06 918 0.18 NOLF HE 0.8 IAML 03:25 50.13 1344 0.30 NOLA HZ 1.1 EP 03:25 49.15 -0.04 NOLA HE 1.1 ES 03:25 49.49 -0.22 NOLA HE 1.1 IAML 03:25 49.58 1224 0.10 NOLA HN 1.1 IAML 03:25 49.72 2279 0.12 NOLB EZ 1.4 EP 03:25 48.46 -0.77 NOLE HZ 2.0 EP 03:25 49.37 0.07 NOLE HN 2.0 ES 03:25 49.98 0.08 NOLE HN 2.0 IAML 03:25 50.44 183 0.10 NOLE HE 2.0 IAML 03:25 50.53 218 0.16 NOLG EZ 2.0 EP 03:25 49.28 -0.03 NOLC EZ 2.5 EP 03:25 49.43 0.04 NOLD HZ 2.9 EP 03:25 49.74 0.29 NOLD HE 2.9 ES 03:25 50.44 0.27 NOLD HE 2.9 IAML 03:25 50.67 132 0.10 NOLD HN 2.9 IAML 03:25 50.70 156 0.10</p>	
<p>July 21 2014 Time: 09:31 39.5 UTC Magnitude: 1.1 ML Lat: 53.239N Lon: -1.013W Depth: 1.0 km Grid Ref: 465.86 kmE 371.82 kmN RMS: 0.20 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</p>		
<p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLF HZ 3.2 EP 09:27 04.15 0.36 NOLF HE 3.2 ES 09:27 04.80 0.39 NOLF HE 3.2 IAML 09:27 05.61 477 0.36 NOLF HN 3.2 IAML 09:27 05.65 403 0.36 NOLB EZ 3.5 EP 09:27 04.31 0.45 NOLA HZ 4.7 EP 09:27 03.12 -1.03 NOLA HE 4.7 ES 09:27 04.32 -0.72 NOLA HE 4.7 IAML 09:27 04.43 559 0.14 NOLA HN 4.7 IAML 09:27 06.04 234 0.16 NOLD HN 4.9 ES 09:27 05.51 0.39 NOLD HE 4.9 IAML 09:27 07.04 68 0.32 NOLD HN 4.9 IAML 09:27 07.87 101 0.58 NOLE HN 5.0 ES 09:27 05.32 0.16 NOLE HN 5.0 IAML 09:27 05.50 138 0.20 NOLE HE 5.0 IAML 09:27 06.44 94 0.24</p>	<p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLA HZ 0.9 IP C 04:03 26.64 -0.11 NOLA HN 0.9 ES 04:03 26.95 -0.07 NOLA HE 0.9 IAML 04:03 27.05 1761 0.10 NOLA HN 0.9 IAML 04:03 27.10 1080 0.08 NOLG EZ 1.0 EP 04:03 26.76 -0.01 NOLE HZ 1.9 EP 04:03 26.91 -0.03 NOLE HE 1.9 ES 04:03 27.53 0.18 NOLE HE 1.9 IAML 04:03 27.69 150 0.18 NOLE HN 1.9 IAML 04:03 28.13 201 0.16 NOLF HZ 1.9 EP 04:03 26.75 -0.20 NOLF HE 1.9 ES 04:03 27.30 -0.05 NOLF HE 1.9 IAML 04:03 27.53 1101 0.14 NOLF HN 1.9 IAML 04:03 27.54 1150 0.12</p>	
<p>July 22 2014 Time: 04:03 26.4 UTC Magnitude: 0.9 ML Lat: 53.236N Lon: -1.019W Depth: 1.1 km Grid Ref: 465.47 kmE 371.48 kmN RMS: 0.10 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</p>		
<p>July 22 2014 Time: 03:24 28.6 UTC Magnitude: 1.0 ML</p>		

TABLE 2 : PHASE DATA

NOLB EZ 2.3 ES 04:03 27.62 0.14	NOLA HE 0.8 IAML 20:02 11.40 1925 0.17
NOLD HZ 3.1 EP 04:03 27.23 0.01	NOLG EZ 1.3 IP C 20:02 10.89 0.01
NOLD HE 3.1 ES 04:03 27.96 0.14	NOLF HZ 1.6 IP D 20:02 10.81 -0.12
NOLD HN 3.1 IAML 04:03 28.11 154 0.10	NOLF HN 1.6 ES 20:02 11.48 0.07
NOLD HE 3.1 IAML 04:03 28.22 147 0.10	NOLF HN 1.6 IAML 20:02 11.59 1830 0.10
	NOLF HE 1.6 IAML 20:02 11.65 2168 0.32
July 22 2014 Time: 05:27 51.8 UTC Magnitude: 0.9 ML	NOLC EZ 1.8 IP C 20:02 10.99 0.03
Lat: 53.838N Lon: -1.983W Depth: 8.9 km	NOLE HZ 1.9 EP 20:02 10.99 0.02
Grid Ref: 401.12 kmE 438.00 kmN RMS: 0.10 secs	NOLE HE 1.9 ES 20:02 11.57 0.10
Locality: KEIGHLEY,WEST YORKSHIR	NOLE HN 1.9 IAML 20:02 11.70 406 0.14
Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0	NOLE HE 1.9 IAML 20:02 11.76 600 0.13
Comment: 6KM SW KEIGHLEY	NOLB EZ 2.0 IP D 20:02 10.91 -0.08
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	NOLD HZ 3.0 EP 20:02 11.22 0.03
HPK HZ 27.1 EP 05:27 57.47 0.02	NOLD HE 3.0 ES 20:02 12.02 0.18
HPK HE 27.1 ES 05:28 01.48 -0.07	NOLD HN 3.0 IAML 20:02 12.12 218 0.10
HPK HE 27.1 IAML 05:28 02.45 16 0.18	NOLD HE 3.0 IAML 20:02 12.12 227 0.10
HPK HN 27.1 IAML 05:28 03.98 12 0.30	
LBWR HZ 51.5 EP 05:28 00.99 0.07	
LBWR HE 51.5 ES 05:28 07.47 -0.08	
LBWR HN 51.5 IAML 05:28 08.32 9 0.25	
LBWR HE 51.5 IAML 05:28 08.51 8 0.23	
KESW HZ 111.0 EP 05:28 09.57 0.15	
KESW HN 111.0 ES 05:28 22.08 -0.18	
KESW HN 111.0 IAML 05:28 22.90 3 0.38	
EDMD HZ 111.0 EP 05:28 09.38 0.09	
EDMD HE 111.0 ES 05:28 22.03 0.00	
EDMD HE 111.0 IAML 05:28 22.67 5 0.21	
EDMD HN 111.0 IAML 05:28 23.36 6 0.20	
KESW HE 111.0 IAML 05:28 22.80 2 0.17	
July 22 2014 Time: 11:24 11.2 UTC Magnitude: 0.8 ML	July 23 2014 Time: 02:41 07.6 UTC Magnitude: 0.6 ML
Lat: 57.624N Lon: -5.561W Depth: 2.5 km	Lat: 53.238N Lon: -1.025W Depth: 1.5 km
Grid Ref: 187.39 kmE 864.89 kmN RMS: 0.30 secs	Grid Ref: 465.07 kmE 371.69 kmN RMS: 0.10 secs
Locality: TORRIDON,HIGHLAND	Locality: NEW OLLERTON,NOTTS
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0	Velocity model: Lownet Xnear: 10.0 Xfar: 20.0
Comment: C/F	Comment: C/F
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
KAC EZ 21.0 IP C 11:24 15.33 0.06	NOLA HZ 0.9 IP C 02:41 07.89 -0.15
KPL HZ 32.2 EP 11:24 17.27 0.14	NOLA HN 0.9 ES 02:41 08.30 -0.06
KPL HE 32.2 ES 11:24 21.08 -0.39	NOLA HE 0.9 IAML 02:41 08.31 423 0.10
KPL HE 32.2 IAML 11:24 21.74 11 0.37	NOLA HN 0.9 IAML 02:41 08.46 764 0.10
KPL HN 32.2 IAML 11:24 22.05 7 0.11	NOLG EZ 1.3 EP 02:41 08.04 -0.06
LEWI HZ 96.8 IP D 11:24 27.49 0.04	NOLF HZ 1.4 EP 02:41 07.95 -0.17
LEWI HN 96.8 ES 11:24 39.30 -0.02	NOLF HN 1.4 ES 02:41 08.59 0.08
LEWI HN 96.8 IAML 11:24 41.42 3 0.13	NOLF HE 1.4 IAML 02:41 08.79 431 0.14
LEWI HE 96.8 IAML 11:24 41.79 3 0.24	NOLF HN 1.4 IAML 02:41 08.80 324 0.16
BIGH HZ 137.0 EP 11:24 33.98 0.34	NOLE HZ 1.8 EP 02:41 08.24 0.06
BIGH HE 137.0 ES 11:24 49.46 -0.56	NOLE HE 1.8 ES 02:41 08.70 0.10
BIGH HE 137.0 IAML 11:24 51.42 4 0.15	NOLE HN 1.8 IAML 02:41 09.16 64 0.10
BIGH HN 137.0 IAML 11:24 52.89 6 0.24	NOLE HE 1.8 IAML 02:41 09.30 85 0.10
LAW E HZ 152.0 EP 11:24 36.38 0.60	NOLB EZ 2.0 EP 02:41 08.13 -0.09
LAW E HN 152.0 ES 11:24 54.30 0.57	NOLC EZ 2.0 EP 02:41 08.29 0.06
	NOLD HZ 3.1 EP 02:41 08.51 0.05
	NOLD HN 3.1 ES 02:41 09.26 0.18
	NOLD HN 3.1 IAML 02:41 09.45 52 0.10
	NOLD HE 3.1 IAML 02:41 09.45 54 0.10
July 22 2014 Time: 15:38 56.2 UTC Magnitude: 1.8 ML	July 23 2014 Time: 02:51 51.9 UTC Magnitude: 0.8 ML
Lat: 53.237N Lon: -1.018W Depth: 1.4 km	Lat: 53.238N Lon: -1.018W Depth: 1.0 km
Grid Ref: 465.53 kmE 371.59 kmN RMS: 0.10 secs	Grid Ref: 465.53 kmE 371.70 kmN RMS: 0.10 secs
Locality: NEW OLLERTON,NOTTS	Locality: NEW OLLERTON,NOTTS
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	Velocity model: Lownet Xnear: 10.0 Xfar: 20.0
Comment: C/F	Comment: C/F
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
NOLG EZ 0.9 IP C 15:38 56.59 0.01	NOLA HZ 1.2 IP C 02:51 52.52 0.05
NOLA HZ 1.1 EP 15:38 56.49 -0.12	NOLA HE 1.2 ES 02:51 52.74 -0.19
NOLA HE 1.1 ES 15:38 56.81 -0.12	NOLA HE 1.2 IAML 02:51 52.85 474 0.10
NOLA HE 1.1 IAML 15:38 57.15 9012 0.12	NOLA HN 1.2 IAML 02:51 53.02 709 0.12
NOLA HN 1.1 IAML 15:38 57.36 3393 0.20	NOLE HZ 1.7 EP 02:51 52.58 0.00
NOLC EZ 1.8 IP C 15:38 56.77 0.05	NOLE HN 1.7 ES 02:51 53.21 0.14
NOLE HZ 1.8 EP 15:38 56.71 -0.01	NOLE HN 1.7 IAML 02:51 53.66 178 0.18
NOLE HE 1.8 ES 15:38 57.23 0.10	NOLE HE 1.7 IAML 02:51 53.74 136 0.14
NOLE HN 1.8 IAML 15:38 57.90 1999 0.30	NOLC EZ 1.8 EP 02:51 52.57 -0.03
NOLE HE 1.8 IAML 15:38 59.25 1660 0.26	NOLF HZ 1.9 IP D 02:51 52.48 -0.14
NOLF HZ 1.9 IP D 15:38 56.54 -0.22	NOLF HN 1.9 ES 02:51 53.18 0.04
NOLF HN 1.9 ES 15:38 57.34 0.14	NOLF HN 1.9 IAML 02:51 53.31 373 0.20
NOLF HE 1.9 IAML 15:38 57.65 10631 0.20	NOLF HE 1.9 IAML 02:51 53.92 600 0.24
NOLF HN 1.9 IAML 15:38 57.67 8156 0.22	NOLB EZ 2.4 EP 02:51 52.61 -0.10
NOLB EZ 2.4 IP C 15:38 56.76 -0.09	NOLD HZ 3.3 EP 02:51 52.94 0.04
NOLD HZ 3.3 IP D 15:38 57.14 0.09	NOLD HE 3.3 ES 02:51 53.89 0.28
NOLD HE 3.3 ES 15:38 57.87 0.17	NOLD HN 3.3 IAML 02:51 53.96 68 0.10
NOLD HN 3.3 IAML 15:38 58.09 924 0.10	NOLD HE 3.3 IAML 02:51 54.02 59 0.11
NOLD HE 3.3 IAML 15:38 59.79 1131 0.18	
July 22 2014 Time: 20:02 10.3 UTC Magnitude: 1.3 ML	July 23 2014 Time: 02:54 06.4 UTC Magnitude: 0.6 ML
Lat: 53.236N Lon: -1.024W Depth: 1.0 km	Lat: 53.237N Lon: -1.022W Depth: 0.1 km
Grid Ref: 465.13 kmE 371.47 kmN RMS: 0.10 secs	Grid Ref: 465.27 kmE 371.59 kmN RMS: 0.10 secs
Locality: NEW OLLERTON,NOTTS	Locality: NEW OLLERTON,NOTTS
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	Velocity model: Lownet Xnear: 10.0 Xfar: 20.0
Comment: C/F	Comment: C/F
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
NOLA HZ 0.8 IP C 20:02 10.71 -0.11	NOLA HZ 0.9 EP 02:54 06.51 -0.17
NOLA HE 0.8 ES 20:02 11.10 -0.12	NOLA HE 0.9 ES 02:54 06.82 -0.03
NOLA HN 0.8 IAML 20:02 11.24 3186 0.12	NOLA HN 0.9 IAML 02:54 07.33 547 0.20
	NOLA HE 0.9 IAML 02:54 07.50 457 0.16
	NOLG EZ 1.1 EP 02:54 06.69 -0.04
	NOLF HZ 1.7 EP 02:54 06.63 -0.23
	NOLF HE 1.7 ES 02:54 07.30 0.13
	NOLF HN 1.7 IAML 02:54 07.90 565 0.40
	NOLF HE 1.7 IAML 02:54 08.13 1013 0.28
	NOLE HZ 1.8 EP 02:54 06.83 -0.06
	NOLE HN 1.8 ES 02:54 07.37 0.15

TABLE 2 : PHASE DATA

NOLE HE 1.8 IAML 02:54 07.93 238 0.12	NOLG EZ 1.2 IP C 03:01 57.15	-0.04
NOLE HN 1.8 IAML 02:54 07.93 217 0.15	NOLF HZ 1.6 IP D 03:01 57.12	-0.15
NOLC EZ 1.9 EP 02:54 06.99 0.08	NOLF HE 1.6 ES 03:01 57.81	0.12
NOLB EZ 2.1 EP 02:54 06.88 -0.09	NOLF HE 1.6 IAML 03:01 58.04	552 0.28
NOLD HZ 3.1 EP 02:54 07.29 0.07	NOLF HN 1.6 IAML 03:01 58.06	343 0.16
NOLD HE 3.1 ES 02:54 07.98 0.19	NOLE HZ 1.8 EP 03:01 57.26	-0.04
NOLD HN 3.1 IAML 02:54 08.19 57 0.12	NOLE HE 1.8 ES 03:01 57.87	0.14
NOLD HE 3.1 IAML 02:54 08.20 68 0.24	NOLE HN 1.8 IAML 03:01 58.36	197 0.12
	NOLE HE 1.8 IAML 03:01 58.37	153 0.14
July 23 2014 Time: 02:55 22.1 UTC Magnitude: 1.5 ML	NOLC EZ 1.9 EP 03:01 57.43	0.12
Lat: 53.237N Lon: -1.020W Depth: 1.6 km	NOLB EZ 2.1 EP 03:01 57.23	-0.13
Grid Ref: 465.40 kmE 371.59 kmN RMS: 0.10 secs	NOLD HZ 3.1 EP 03:01 57.62	0.05
Locality: NEW OLLERTON,NOTTS	NOLD HN 3.1 ES 03:01 58.40	0.20
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	NOLD HE 3.1 IAML 03:01 58.63	61 0.12
Comment: C/F	NOLD HN 3.1 IAML 03:01 58.64	57 0.10
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	July 23 2014 Time: 16:24 36.6 UTC Magnitude: 1.3 ML	
NOLA HZ 1.0 IP C 02:55 22.44 -0.13	Lat: 49.078N Lon: -2.378W Depth: 6.2 km	
NOLA HE 1.0 ES 02:55 22.83 -0.09	Grid Ref: 372.40 kmE -91.26 kmN RMS: 0.00 secs	
NOLA HE 1.0 IAML 02:55 22.91 11854 0.10	Locality: JERSEY,CHANNEL ISLANDS	
NOLA HN 1.0 IAML 02:55 23.05 16518 0.10	Velocity model: Lownet Xnear: 500.0 Xfar: 1000.0	
NOLG EZ 1.0 EP 02:55 22.58 0.00	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
NOLC EZ 1.8 EP 02:55 22.73 0.04	JSA HZ 19.4 EP 16:24 40.45 0.07	
NOLE HZ 1.8 EP 02:55 22.69 -0.01	JSA HN 19.4 ES 16:24 43.13 -0.04	
NOLE HE 1.8 ES 02:55 23.25 0.11	JSA HN 19.4 IAML 16:24 43.65 86 0.22	
NOLE HN 1.8 IAML 02:55 23.78 980 0.12	JSA HE 19.4 IAML 16:24 43.72 66 0.15	
NOLF HZ 1.8 IP D 02:55 22.55 -0.15	JDG EZ 27.4 EP 16:24 41.68 -0.04	
NOLF HE 1.8 ES 02:55 23.25 0.10	JDC EZ 27.4 EP 16:24 41.69 -0.03	
NOLF HN 1.8 IAML 02:55 23.39 8954 0.14	JDC EE 27.4 ES 16:24 45.52 0.03	
NOLF HE 1.8 IAML 02:55 23.46 12223 0.28	JDG EE 27.4 ES 16:24 45.50 0.02	
NOLE HE 1.8 IAML 02:55 23.88 1139 0.12		
NOLB EZ 2.2 IP D 02:55 22.67 -0.11	July 23 2014 Time: 16:26 33.6 UTC Magnitude: 1.0 ML	
NOLD HZ 3.2 EP 02:55 23.10 0.12	Lat: 57.729N Lon: -5.756W Depth: 7.9 km	
NOLD HE 3.2 ES 02:55 23.78 0.14	Grid Ref: 176.40 kmE 877.20 kmN RMS: 0.20 secs	
NOLD HN 3.2 IAML 02:55 24.03 1376 0.12	Locality: GAIRLOCH,HIGHLAND	
NOLD HN 3.2 IAML 02:55 24.03 1363 0.10	Velocity model: Lownet Xnear: 80.0 Xfar: 160.0	
LBWR HZ 50.4 EP 02:55 31.53 0.21	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
LBWR HE 50.4 ES 02:55 37.31 -0.75	KAC EZ 37.5 EP 16:26 40.21 -0.12	
LBWR HE 50.4 IAML 02:55 39.99 10 0.21	KPL HZ 43.9 EP 16:26 41.55 0.26	
LBWR HN 50.4 IAML 02:55 40.69 11 0.34	KPL HE 43.9 ES 16:26 46.71 -0.16	
CWF HZ 58.7 EP 02:55 32.44 -0.15	KPL HN 43.9 IAML 16:26 46.95 7 0.12	
CWF HN 58.7 ES 02:55 39.45 -0.81	KPL HE 43.9 IAML 16:26 47.14 15 0.32	
CWF HN 58.7 IAML 02:55 40.03 3 0.17	LEWI HZ 80.5 EP 16:26 47.18 0.17	
CWF HE 58.7 IAML 02:55 42.52 3 0.22	LEWI HE 80.5 ES 16:26 56.61 -0.17	
GDLE HN 133.0 ES 02:56 01.61 1.54	LEWI HE 80.5 IAML 16:26 58.22 4 0.19	
GDLE HN 133.0 IAML 02:56 03.83 16 0.31	LEWI HN 80.5 IAML 16:26 58.59 5 0.13	
GDLE HE 133.0 IAML 02:56 04.35 8 0.22	BIGH HZ 138.0 EP 16:26 55.98 0.27	
HLMI HZ 149.0 EP 02:55 48.17 1.79	BIGH HN 138.0 IAML 16:27 12.86 7 0.14	
HLMI HE 149.0 ES 02:56 04.91 0.79	BIGH HE 138.0 IAML 16:27 13.88 8 0.12	
HLMI HN 149.0 IAML 02:56 07.14 4 0.38	LAW E HZ 165.0 EP 16:27 00.43 0.86	
HLMI HE 149.0 IAML 02:56 09.01 6 0.30		
FOEL HZ 151.0 EP 02:55 49.79 3.04	July 23 2014 Time: 16:26 41.7 UTC Magnitude: 3.3 ML	
MCH1 HZ 192.0 EP 02:55 54.27 2.02	Lat: 49.100N Lon: -2.399W Depth: 12.7 km	
	Grid Ref: 370.88 kmE -88.81 kmN RMS: 0.30 secs	
July 23 2014 Time: 02:58 21.2 UTC Magnitude: 0.4 ML	Locality: JERSEY,CHANNEL ISLANDS	
Lat: 53.235N Lon: -1.025W Depth: 1.6 km	Velocity model: Lownet Xnear: 100.0 Xfar: 600.0	
Grid Ref: 465.07 kmE 371.36 kmN RMS: 0.10 secs	Comment: FELT JERSEY... Intensity: 3	
Locality: NEW OLLERTON,NOTTS	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	JSA HZ 19.2 EP 16:26 45.85 0.07	
Comment: C/F	JSA HE 19.2 ES 16:26 48.53 -0.20	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	JSA HE 19.2 IAML 16:26 48.96 7177 0.19	
NOLA HZ 0.6 EP 02:58 21.48 -0.16	JSA HN 19.2 IAML 16:26 49.05 6191 0.25	
NOLA HE 0.6 ES 02:58 21.84 -0.12	JDG EE 27.7 ES 16:26 50.86 0.02	
NOLA HE 0.6 IAML 02:58 22.00 312 0.10	JDC EZ 27.7 EP 16:26 47.12 0.12	
NOLA HN 0.6 IAML 02:58 22.05 405 0.06	JDG EZ 27.7 EP 16:26 47.09 0.09	
NOLG EZ 1.4 EP 02:58 21.65 -0.09	JDC EE 27.7 ES 16:26 50.94 0.09	
NOLF HZ 1.6 EP 02:58 21.60 -0.18	ROSF BZ 107.0 EP 16:26 59.13 0.09	
NOLF HN 1.6 ES 02:58 22.33 0.12	ROSF BE 107.0 ES 16:27 12.00 0.32	
NOLF HE 1.6 IAML 02:58 22.53 296 0.26	RENF BZ 134.0 EP 16:27 02.32 -0.54	
NOLF HN 1.6 IAML 02:58 22.53 308 0.28	DYA HZ 185.0 EP 16:27 09.41 -0.35	
NOLC EZ 1.7 EP 02:58 21.94 0.15	DYA HE 185.0 IAML 16:27 36.50 345 0.24	
NOLB EZ 1.9 EP 02:58 21.74 -0.08	DYA HN 185.0 IAML 16:27 37.11 325 0.18	
NOLE HN 2.1 ES 02:58 22.50 0.16	SBD BZ 232.0 EP 16:27 15.19 -0.37	
NOLE HE 2.1 IAML 02:58 23.06 40 0.10	CCA1 HZ 237.0 EP 16:27 15.61 -0.67	
NOLE HN 2.1 IAML 02:58 23.09 31 0.10	CCA1 HE 237.0 IAML 16:27 50.33 69 0.27	
NOLD HN 2.8 ES 02:58 22.79 0.19	CCA1 HN 237.0 IAML 16:27 54.34 103 0.19	
NOLD HN 2.8 IAML 02:58 23.10 36 0.10	HTL HZ 258.0 EP 16:27 19.33 0.46	
NOLD HE 2.8 IAML 02:58 23.11 31 0.10	HTL HN 258.0 IAML 16:27 59.42 190 0.32	
	HTL HE 258.0 IAML 16:28 01.72 155 0.40	
July 23 2014 Time: 03:01 56.7 UTC Magnitude: 0.7 ML	SWN1 HZ 272.0 EP 16:27 21.04 0.46	
Lat: 53.237N Lon: -1.023W Depth: 1.5 km	SWN1 HN 272.0 IAML 16:28 08.60 229 0.56	
Grid Ref: 465.20 kmE 371.58 kmN RMS: 0.10 secs	SWN1 HE 272.0 IAML 16:28 10.45 169 0.59	
Locality: NEW OLLERTON,NOTTS	STRD HZ 298.0 EP 16:27 24.08 0.20	
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	STRD HN 298.0 IAML 16:28 10.56 170 0.54	
Comment: C/F	STRD HE 298.0 IAML 16:28 11.18 209 0.56	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	MONM HZ 306.0 EP 16:27 25.11 0.25	
NOLA HZ 0.9 IP C 03:01 57.01 -0.14	MONM HN 306.0 IAML 16:28 14.33 72 0.32	
NOLA HE 0.9 ES 03:01 57.35 -0.13	MONM HE 306.0 IAML 16:28 15.07 89 0.54	
NOLA HN 0.9 IAML 03:01 57.64 765 0.12	MCH1 HZ 325.0 EP 16:27 27.16 -0.09	
NOLA HE 0.9 IAML 03:01 57.79 464 0.16		

TABLE 2 : PHASE DATA

NOLB EZ 2.3 EP 02:13 06.58 -0.05	NOLG EZ 1.2 EP 01:00 46.95 -0.01
NOLD HZ 3.3 EP 02:13 06.94 0.08	NOLC EZ 1.8 EP 01:00 47.26 0.17
NOLD HN 3.3 ES 02:13 07.63 0.14	NOLE HZ 1.9 EP 01:00 46.81 -0.31
NOLD HN 3.3 IAML 02:13 07.89 125 0.28	NOLE HE 1.9 ES 01:00 47.72 0.25
NOLD HE 3.3 IAML 02:13 07.90 157 0.28	NOLE HN 1.9 IAML 01:00 48.17 687 0.18
	NOLE HE 1.9 IAML 01:00 48.94 394 0.20
August 13 2014 Time: 04:05 51.2 UTC Magnitude: 1.4 ML	NOLE EZ 2.0 EP 01:00 47.26 0.10
Lat: 49.066N Lon: -2.339W Depth: 5.7 km	NOLD HZ 3.0 EP 01:00 47.52 0.12
Grid Ref: 375.24 kmE -92.61 kmN RMS: 0.10 secs	NOLD HN 3.0 ES 01:00 48.20 0.25
Locality: JERSEY, CHANNEL ISLANDS	NOLD HN 3.0 IAML 01:00 48.49 156 0.18
Velocity model: Lownet Xnear: 200.0 Xfar: 300.0	NOLD HE 3.0 IAML 01:00 49.45 230 0.12
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	August 14 2014 Time: 01:05 50.3 UTC Magnitude: 1.4 ML
JSA HZ 18.2 IP C 04:05 54.80 -0.06	Lat: 53.620N Lon: -1.118W Depth: 1.1 km
JSA HE 18.2 ES 04:05 57.54 0.04	Grid Ref: 458.33 kmE 414.11 kmN RMS: 0.20 secs
JSA HN 18.2 IAML 04:05 57.83 76 0.32	Locality: ASKERN, SOUTH YORKSHIRE
JSA HE 18.2 IAML 04:05 57.89 65 0.22	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
JDG EN 25.7 ES 04:05 59.83 0.18	Comment: C/F
JDC EZ 25.7 EP 04:05 56.02 -0.09	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
JDC EE 25.7 ES 04:05 59.58 -0.08	LBWR HZ 47.0 EP 01:05 58.98 -0.06
JDG EZ 25.7 EP 04:05 56.00 -0.10	LBWR HE 47.0 ES 01:06 05.78 0.33
DYA HZ 191.0 EP 04:06 20.92 0.25	LBWR HN 47.0 IAML 01:06 06.45 29 0.36
DYA HN 191.0 ES 04:06 42.00 -0.15	LBWR HE 47.0 IAML 01:06 06.85 23 0.22
DYA HE 191.0 IAML 04:06 45.35 7 0.33	HPK HZ 50.3 EP 01:05 59.18 -0.39
DYA HN 191.0 IAML 04:06 45.87 6 0.24	HPK HN 50.3 ES 01:06 06.27 -0.10
	HPK HE 50.3 IAML 01:06 08.62 16 0.44
August 13 2014 Time: 15:37 02.0 UTC Magnitude: 1.8 ML	HPK HN 50.3 IAML 01:06 12.62 22 0.40
Lat: 53.239N Lon: -1.024W Depth: 1.4 km	GDLE HN 91.4 ES 01:06 17.64 0.22
Grid Ref: 465.13 kmE 371.81 kmN RMS: 0.10 secs	GDLE HE 91.4 IAML 01:06 21.02 34 0.24
Locality: NEW OLLERTON, NOTTS	GDLE HN 91.4 IAML 01:06 21.17 48 0.26
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	CFW HZ 98.9 EP 01:06 07.20 0.08
Comment: C/F	CFW HE 98.9 ES 01:06 19.22 -0.20
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	CFW HE 98.9 IAML 01:06 21.47 4 0.30
NOLA HZ 1.0 EP 15:37 02.43 -0.11	CFW HN 98.9 IAML 01:06 22.92 6 0.24
NOLA HE 1.0 ES 15:37 02.78 -0.15	EDMD HZ 146.0 EP 01:06 14.55 0.38
NOLA HN 1.0 IAML 15:37 03.18 14935 0.20	EDMD HN 146.0 IAML 01:06 34.07 8 0.34
NOLA HE 1.0 IAML 15:37 03.19 8864 0.16	EDMD HE 146.0 IAML 01:06 34.27 7 0.20
NOLG EZ 1.2 EP 15:37 02.54 -0.04	
NOLF HZ 1.5 EP 15:37 02.49 -0.12	August 14 2014 Time: 01:13 20.8 UTC Magnitude: 1.7 ML
NOLF HE 1.5 ES 15:37 03.12 0.07	Lat: 53.611N Lon: -1.141W Depth: 1.1 km
NOLE HZ 1.6 EP 15:37 02.63 0.00	Grid Ref: 456.82 kmE 413.09 kmN RMS: 0.40 secs
NOLE HE 1.6 ES 15:37 03.21 0.12	Locality: ASKERN, SOUTH YORKSHIRE
NOLE HN 1.6 IAML 15:37 03.74 2438 0.12	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
NOLE HE 1.6 IAML 15:37 03.74 2921 0.16	Comment: C/F
NOLC EZ 2.1 EP 15:37 02.81 0.10	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
NOLB EZ 2.1 EP 15:37 02.65 -0.06	LBWR HZ 45.2 EP 01:13 28.96 -0.29
NOLD HZ 3.2 EP 15:37 02.91 -0.03	LBWR HE 45.2 ES 01:13 35.94 0.50
NOLD HN 3.2 ES 15:37 03.83 0.22	LBWR HN 45.2 IAML 01:13 36.92 52 0.34
NOLD HE 3.2 IAML 15:37 04.08 720 0.14	LBWR HE 45.2 IAML 01:13 37.12 54 0.20
NOLD HN 3.2 IAML 15:37 04.09 767 0.10	HPK HZ 50.1 EP 01:13 29.45 -0.61
	HPK HE 50.1 ES 01:13 36.70 -0.13
August 13 2014 Time: 15:39 05.3 UTC Magnitude: 1.7 ML	HPK HE 50.1 IAML 01:13 41.06 40 0.58
Lat: 53.237N Lon: -1.017W Depth: 1.4 km	HPK HN 50.1 IAML 01:13 42.01 44 0.55
Grid Ref: 465.60 kmE 371.59 kmN RMS: 0.10 secs	STNC HZ 91.5 EP 01:13 36.47 -0.03
Locality: NEW OLLERTON, NOTTS	GDLE HZ 92.7 EP 01:13 36.73 0.04
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	GDLE HE 92.7 ES 01:13 48.93 0.63
Comment: C/F	GDLE HE 92.7 IAML 01:13 51.33 81 0.22
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	GDLE HN 92.7 IAML 01:13 51.48 114 0.26
NOLG EZ 0.8 IP C 15:39 05.69 0.01	CFW HZ 97.7 EP 01:13 37.13 -0.33
NOLA HZ 1.2 EP 15:39 05.58 -0.15	CFW HN 97.7 ES 01:13 49.94 0.31
NOLA HE 1.2 ES 15:39 05.95 -0.12	CFW HE 97.7 IAML 01:13 52.28 14 0.20
NOLA HN 1.2 IAML 15:39 06.35 4304 0.20	CFW HN 97.7 IAML 01:13 52.65 15 0.33
NOLA HZ 1.2 IAML 15:39 06.48 1110 0.14	EDMD HZ 146.0 EP 01:13 44.32 -0.43
NOLE HZ 1.7 EP 15:39 05.83 0.01	EDMD HN 146.0 ES 01:14 02.67 0.42
NOLE HE 1.7 ES 15:39 06.32 0.09	EDMD HE 146.0 IAML 01:14 03.86 18 0.36
NOLE HN 1.7 IAML 15:39 06.92 2432 0.20	EDMD HN 146.0 IAML 01:14 05.19 21 0.14
NOLE HE 1.7 IAML 15:39 08.11 2330 0.26	WACR HZ 154.0 EP 01:13 44.86 -1.05
NOLC EZ 1.8 EP 15:39 05.89 0.06	FOEL HZ 159.0 EP 01:13 46.98 0.26
NOLF HZ 2.0 IP D 15:39 05.68 -0.20	FOEL HE 159.0 IAML 01:14 08.25 11 0.32
NOLF HE 2.0 ES 15:39 06.46 0.13	FOEL HN 159.0 IAML 01:14 09.83 19 0.36
NOLF HN 2.0 IAML 15:39 06.94 3826 0.20	HLM1 HZ 168.0 EP 01:13 48.47 0.42
NOLF HE 2.0 IAML 15:39 07.23 7478 0.36	HLM1 HE 168.0 ES 01:14 08.30 0.35
NOLB EZ 2.5 EP 15:39 05.91 -0.07	HLM1 HN 168.0 IAML 01:14 11.01 9 0.26
NOLD HZ 3.4 EP 15:39 06.24 0.06	HLM1 HE 168.0 IAML 01:14 12.35 14 0.66
NOLD HE 3.4 ES 15:39 07.03 0.18	
NOLD HN 3.4 IAML 15:39 07.27 540 0.28	August 14 2014 Time: 01:27 27.1 UTC Magnitude: 1.3 ML
NOLD HE 3.4 IAML 15:39 07.41 670 0.27	Lat: 53.240N Lon: -1.022W Depth: 0.4 km
	Grid Ref: 465.26 kmE 371.92 kmN RMS: 0.10 secs
August 14 2014 Time: 01:00 46.6 UTC Magnitude: 1.0 ML	Locality: NEW OLLERTON, NOTTS
Lat: 53.236N Lon: -1.023W Depth: 0.1 km	Velocity model: Lownet Xnear: 10.0 Xfar: 20.0
Grid Ref: 465.20 kmE 371.47 kmN RMS: 0.20 secs	Comment: C/F
Locality: NEW OLLERTON, NOTTS	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	NOLG EZ 1.1 EP 01:27 27.43 0.02
Comment: C/F	NOLA HZ 1.2 EP 01:27 27.30 -0.12
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	NOLA HE 1.2 ES 01:27 27.66 0.01
NOLA HZ 0.8 EP 01:00 46.35 -0.50	NOLA HE 1.2 IAML 01:27 28.28 3164 0.10
NOLA HN 0.8 ES 01:00 46.93 -0.07	NOLA HN 1.2 IAML 01:27 28.61 6727 0.22
NOLA HE 0.8 ES 01:00 47.12 0.00	NOLE HZ 1.5 EP 01:27 27.57 0.07
NOLA HN 0.8 IAML 01:00 47.44 4216 0.18	NOLE HN 1.5 IAML 01:27 29.36 1377 0.14
NOLA HE 0.8 IAML 01:00 47.60 2392 0.16	

TABLE 2 : PHASE DATA

<p>NOLA HN 1.0 IAML 16:29 00.07 1183 0.12 NOLA HE 1.0 IAML 16:29 00.15 835 0.16 NOLG EZ 1.1 IP C 16:28 59.58 0.01 NOLF HZ 1.7 IP D 16:28 59.51 -0.17 NOLF HN 1.7 ES 16:29 00.27 0.16 NOLE HZ 1.7 EP 16:28 59.72 0.05 NOLE HE 1.7 ES 16:29 00.15 0.04 NOLE HE 1.7 IAML 16:29 00.78 190 0.12 NOLE HN 1.7 IAML 16:29 00.96 126 0.15 NOLC EZ 1.9 EP 16:28 59.83 0.13 NOLB EZ 2.2 EP 16:28 59.69 -0.08 NOLD HZ 3.2 EP 16:28 59.95 -0.03 NOLD HN 3.2 ES 16:29 00.83 0.19 NOLD HE 3.2 IAML 16:29 01.01 63 0.10 NOLD HN 3.2 IAML 16:29 01.05 60 0.12</p> <p>September 2 2014 Time: 20:31 28.2 UTC Magnitude: 1.5 ML Lat: 53.238N Lon: -1.020W Depth: 1.6 km Grid Ref: 465.40 kmE 371.70 kmN RMS: 0.10 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</p> <p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLG EZ 1.0 IP C 20:31 28.67 -0.02 NOLA HZ 1.1 IP C 20:31 28.58 -0.12 NOLA HE 1.1 ES 20:31 28.94 -0.13 NOLA HN 1.1 IAML 20:31 30.70 25564 0.14 NOLA HE 1.1 IAML 20:31 30.79 14882 0.16 NOLE HZ 1.7 EP 20:31 28.78 -0.01 NOLE HE 1.7 ES 20:31 29.34 0.12 NOLE HN 1.7 IAML 20:31 31.38 1616 0.16 NOLE HE 1.7 IAML 20:31 31.46 2554 0.14 NOLF HZ 1.7 IP D 20:31 28.68 -0.13 NOLF HN 1.7 ES 20:31 29.33 0.08 NOLC EZ 1.9 IP D 20:31 28.90 0.07 NOLB EZ 2.3 IP D 20:31 28.80 -0.10 NOLD HZ 3.3 EP 20:31 29.17 0.05 NOLD HN 3.3 ES 20:31 29.98 0.19 NOLD HE 3.3 IAML 20:31 31.99 1056 0.16 LBWR HZ 50.3 EP 20:31 38.81 1.40 LBWR HN 50.3 ES 20:31 45.69 1.55 LBWR HN 50.3 IAML 20:31 47.46 12 0.18 LBWR HE 50.3 IAML 20:31 47.49 9 0.22 CWF HZ 58.8 EP 20:31 39.99 1.28 CWF HN 58.8 ES 20:31 47.48 1.09 HPK HZ 89.5 EP 20:31 45.74 2.26 HPK HN 89.5 ES 20:31 56.14 1.50 HPK HN 89.5 IAML 20:32 00.36 14 0.38 HPK HE 89.5 IAML 20:32 01.35 12 0.24 GDLE HE 132.0 ES 20:32 09.47 3.33 GDLE HE 132.0 IAML 20:32 11.97 8 0.24 GDLE HN 132.0 IAML 20:32 12.00 13 0.28 HLM1 HE 149.0 ES 20:32 11.13 0.89 HLM1 HN 149.0 IAML 20:32 14.60 4 0.38 HLM1 HE 149.0 IAML 20:32 16.37 6 0.28 FOEL HN 151.0 ES 20:32 11.18 0.32 FOEL HN 151.0 IAML 20:32 15.83 5 0.46 FOEL HE 151.0 IAML 20:32 18.04 4 0.40 EDMD HE 188.0 ES 20:32 21.95 2.64 EDMD HN 188.0 IAML 20:32 25.20 6 0.20 EDMD HE 188.0 IAML 20:32 25.29 6 0.20</p> <p>September 2 2014 Time: 20:41 02.0 UTC Magnitude: 0.8 ML Lat: 53.239N Lon: -1.024W Depth: 0.6 km Grid Ref: 465.13 kmE 371.81 kmN RMS: 0.10 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</p> <p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLA HZ 1.0 IP C 20:41 02.17 -0.12 NOLA HE 1.0 ES 20:41 02.52 0.01 NOLA HE 1.0 IAML 20:41 02.64 1251 0.10 NOLA HN 1.0 IAML 20:41 02.90 1491 0.13 NOLG EZ 1.3 IP C 20:41 02.30 -0.05 NOLF HZ 1.5 IP D 20:41 02.29 -0.11 NOLE HZ 1.7 EP 20:41 02.44 0.00 NOLE HE 1.7 ES 20:41 02.90 0.13 NOLE HN 1.7 IAML 20:41 03.46 256 0.18 NOLE HE 1.7 IAML 20:41 03.51 389 0.12 NOLB EZ 2.1 IP C 20:41 02.48 -0.05 NOLC EZ 2.1 IP D 20:41 02.51 -0.02 NOLD HZ 3.2 EP 20:41 02.87 0.07 NOLD HE 3.2 ES 20:41 03.55 0.16 NOLD HN 3.2 IAML 20:41 03.83 136 0.12 NOLD HE 3.2 IAML 20:41 03.89 118 0.12</p> <p>September 2 2014 Time: 20:46 25.4 UTC Magnitude: 0.6 ML Lat: 53.238N Lon: -1.020W Depth: 0.7 km Grid Ref: 465.40 kmE 371.70 kmN RMS: 0.10 secs</p>	<p>Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</p> <p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLG EZ 1.0 IP C 20:46 25.68 -0.02 NOLA HZ 1.1 IP C 20:46 25.58 -0.13 NOLA HE 1.1 ES 20:46 25.91 -0.03 NOLA HN 1.1 IAML 20:46 26.23 938 0.14 NOLA HE 1.1 IAML 20:46 26.30 748 0.16 NOLE HZ 1.7 EP 20:46 25.88 0.03 NOLE HE 1.7 ES 20:46 26.27 0.09 NOLE HN 1.7 IAML 20:46 26.80 119 0.10 NOLE HE 1.7 IAML 20:46 26.83 225 0.14 NOLF HZ 1.8 EP 20:46 25.67 -0.19 NOLF HN 1.8 ES 20:46 26.28 0.07 NOLC EZ 1.9 EP 20:46 25.91 0.02 NOLB EZ 2.3 EP 20:46 25.94 -0.04 NOLD HZ 3.3 EP 20:46 26.24 0.02 NOLD HE 3.3 ES 20:46 27.03 0.20 NOLD HN 3.3 IAML 20:46 27.26 69 0.12 NOLD HE 3.3 IAML 20:46 27.27 93 0.18</p> <p>September 2 2014 Time: 21:21 23.0 UTC Magnitude: 0.4 ML Lat: 53.238N Lon: -1.017W Depth: 1.2 km Grid Ref: 465.60 kmE 371.70 kmN RMS: 0.10 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</p> <p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLG EZ 0.8 IP C 21:21 23.33 -0.01 NOLA HZ 1.2 EP 21:21 23.23 -0.17 NOLA HE 1.2 ES 21:21 23.60 -0.11 NOLA HE 1.2 IAML 21:21 24.09 277 0.16 NOLA HN 1.2 IAML 21:21 24.21 326 0.12 NOLE HZ 1.7 EP 21:21 23.48 -0.01 NOLE HN 1.7 ES 21:21 24.00 0.13 NOLE HN 1.7 IAML 21:21 24.42 132 0.18 NOLE HE 1.7 IAML 21:21 25.70 156 0.26 NOLC EZ 1.8 EP 21:21 23.58 0.07 NOLF HZ 1.9 IP D 21:21 23.32 -0.22 NOLF HN 1.9 ES 21:21 24.10 0.13 NOLB EZ 2.5 EP 21:21 23.55 -0.10 NOLD HZ 3.4 EP 21:21 23.96 0.10 NOLD HN 3.4 ES 21:21 24.72 0.20 NOLD HN 3.4 IAML 21:21 24.91 48 0.09 NOLD HE 3.4 IAML 21:21 24.93 62 0.24</p> <p>September 4 2014 Time: 06:22 54.8 UTC Magnitude: 1.1 ML Lat: 53.239N Lon: -1.022W Depth: 0.3 km Grid Ref: 465.26 kmE 371.81 kmN RMS: 0.20 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</p> <p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLA HZ 1.1 EP 06:22 54.92 -0.16 NOLA HE 1.1 ES 06:22 55.25 -0.03 NOLA HE 1.1 IAML 06:22 55.83 1563 0.20 NOLA HN 1.1 IAML 06:22 56.71 1512 0.16 NOLG EZ 1.1 IP C 06:22 55.00 -0.10 NOLF HZ 1.6 IP D 06:22 54.98 -0.25 NOLF HN 1.6 ES 06:22 55.68 0.16 NOLE HZ 1.6 EP 06:22 55.17 -0.06 NOLE HE 1.6 ES 06:22 55.70 0.17 NOLE HE 1.6 IAML 06:22 55.79 820 0.12 NOLE HN 1.6 IAML 06:22 56.18 1632 0.12 NOLC EZ 2.0 EP 06:22 55.46 0.15 NOLB EZ 2.2 IP C 06:22 55.20 -0.17 NOLD HZ 3.2 EP 06:22 55.72 0.09 NOLD HE 3.2 ES 06:22 56.42 0.20 NOLD HN 3.2 IAML 06:22 57.49 378 0.28 NOLD HE 3.2 IAML 06:22 57.60 352 0.17</p> <p>September 4 2014 Time: 09:36 48.0 UTC Magnitude: 0.8 ML Lat: 53.234N Lon: -1.028W Depth: 1.3 km Grid Ref: 464.87 kmE 371.25 kmN RMS: 0.10 secs Locality: NEW OLLERTON,NOTTS Velocity model: Lownet Xnear: 10.0 Xfar: 20.0 Comment: C/F</p> <p>STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES NOLA HZ 0.4 EP 09:36 48.56 0.01 NOLA HE 0.4 ES 09:36 48.96 -0.02 NOLA HN 0.4 IAML 09:36 49.28 396 0.12 NOLA HE 0.4 IAML 09:36 49.35 197 0.14 NOLF HZ 1.6 EP 09:36 48.59 -0.07 NOLF HN 1.6 ES 09:36 49.10 -0.08 NOLB EZ 1.6 EP 09:36 48.83 0.16 NOLG EZ 1.6 EP 09:36 48.61 -0.07 NOLE HZ 2.3 EP 09:36 48.71 -0.06 NOLE HN 2.3 ES 09:36 49.50 0.13</p>
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TABLE 2 : PHASE DATA

NOLD HZ 2.8 EP 21:43 53.18 0.01	October 23 2014 Time: 20:41 55.8 UTC Magnitude: 0.9 ML
NOLD HN 2.8 ES 21:43 53.93 0.21	Lat: 53.232N Lon: -1.017W Depth: 0.1 km
NOLD HN 2.8 IAML 21:43 55.25 451 0.18	Grid Ref: 465.61 kmE 371.03 kmN RMS: 0.10 secs
NOLD HE 2.8 IAML 21:43 56.05 268 0.18	Locality: NEW OLLERTON,NOTTS
	Velocity model: Lownet Xnear: 10.0 Xfar: 20.0
October 21 2014 Time: 21:30 42.3 UTC Magnitude: 0.6 ML	Comment: C/F
Lat: 53.233N Lon: -1.011W Depth: 1.0 km	
Grid Ref: 466.01 kmE 371.15 kmN RMS: 0.10 secs	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
Locality: NEW OLLERTON,NOTTS	NOLA HZ 0.9 EP 20:41 55.87 -0.18
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	NOLA HE 0.9 ES 20:41 56.20 -0.01
Comment: C/F	NOLA HE 0.9 IAML 20:41 56.26 2452 0.10
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	NOLA HN 0.9 IAML 20:41 56.32 1516 0.14
NOLG EZ 0.8 IP C 21:30 42.68 0.07	NOLG EZ 1.1 IP C 20:41 56.10 0.00
NOLA HZ 1.3 EP 21:30 42.58 -0.13	NOLC EZ 1.2 EP 20:41 56.18 0.05
NOLA HE 1.3 ES 21:30 42.91 -0.11	NOLF HZ 2.2 IP D 20:41 56.14 -0.24
NOLA HE 1.3 IAML 21:30 42.99 616 0.10	NOLF HN 2.2 ES 20:41 56.94 0.14
NOLA HN 1.3 IAML 21:30 43.13 507 0.20	NOLF HN 2.2 IAML 20:41 57.14 1056 0.12
NOLE HZ 2.2 EP 21:30 42.89 -0.01	NOLF HE 2.2 IAML 20:41 57.20 951 0.26
NOLE HE 2.2 ES 21:30 43.42 0.07	NOLE HZ 2.3 IP C 20:41 56.34 -0.06
NOLE HN 2.2 IAML 21:30 43.91 86 0.10	NOLE HN 2.3 ES 20:41 56.95 0.13
NOLE HE 2.2 IAML 21:30 44.02 124 0.22	NOLE HN 2.3 IAML 20:41 57.96 340 0.28
NOLF HZ 2.6 IP D 21:30 42.78 -0.20	NOLE HE 2.3 IAML 20:41 58.00 248 0.12
NOLF HE 2.6 ES 21:30 43.59 0.11	NOLD HZ 3.0 EP 20:41 56.58 0.02
NOLF HN 2.6 IAML 21:30 43.73 238 0.12	NOLD HE 3.0 ES 20:41 57.24 0.14
NOLF HE 2.6 IAML 21:30 43.78 277 0.30	NOLD HN 3.0 IAML 20:41 57.48 85 0.20
NOLD HZ 3.3 EP 21:30 43.18 0.02	NOLD HE 3.0 IAML 20:41 57.49 123 0.18
NOLD HE 3.3 ES 21:30 43.97 0.17	
NOLD HE 3.3 IAML 21:30 44.08 52 0.12	October 24 2014 Time: 05:20 03.8 UTC Magnitude: 1.0 ML
NOLD HN 3.3 IAML 21:30 44.08 46 0.12	Lat: 53.230N Lon: -1.017W Depth: 0.3 km
	Grid Ref: 465.61 kmE 370.81 kmN RMS: 0.20 secs
October 21 2014 Time: 22:50 21.5 UTC Magnitude: 1.4 ML	Locality: NEW OLLERTON,NOTTS
Lat: 53.234N Lon: -1.022W Depth: 0.8 km	Velocity model: Lownet Xnear: 10.0 Xfar: 20.0
Grid Ref: 465.27 kmE 371.25 kmN RMS: 0.10 secs	Comment: C/F
Locality: NEW OLLERTON,NOTTS	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	NOLC EZ 0.9 EP 05:20 04.16 0.11
Comment: C/F	NOLA HZ 0.9 IP C 05:20 03.89 -0.17
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	NOLA HE 0.9 ES 05:20 04.16 -0.08
NOLA HZ 0.7 IP C 22:50 21.59 -0.14	NOLA HN 0.9 IAML 05:20 04.37 2982 0.12
NOLA HE 0.7 ES 22:50 21.90 -0.04	NOLA HE 0.9 IAML 05:20 04.43 1695 0.16
NOLA HN 0.7 IAML 22:50 22.11 41214 0.11	NOLG EZ 1.3 EP 05:20 04.03 -0.11
NOLA HE 0.7 IAML 22:50 22.14 19545 0.14	NOLF HZ 2.5 EP 05:20 04.16 -0.27
NOLG EZ 1.2 IP D 22:50 21.78 -0.04	NOLF HN 2.5 ES 05:20 05.01 0.13
NOLC EZ 1.5 EP 22:50 21.89 0.00	NOLF HN 2.5 IAML 05:20 05.13 634 0.10
NOLF HZ 1.9 IP D 22:50 21.80 -0.17	NOLF HE 2.5 IAML 05:20 05.18 517 0.14
NOLF HE 1.9 ES 22:50 22.33 -0.01	NOLE HZ 2.6 IP C 05:20 04.28 -0.18
NOLF HN 1.9 IAML 22:50 22.81 2000 0.10	NOLE HN 2.6 ES 05:20 05.29 0.36
NOLF HE 1.9 IAML 22:50 23.37 1686 0.28	NOLE HN 2.6 IAML 05:20 05.46 503 0.13
NOLE HZ 2.1 IP D 22:50 21.94 -0.07	NOLE HE 2.6 IAML 05:20 05.90 339 0.12
NOLE HE 2.1 ES 22:50 22.68 0.25	NOLD HZ 2.8 EP 05:20 04.52 0.01
NOLE HN 2.1 ES 22:50 23.04 0.00	NOLD HE 2.8 ES 05:20 05.23 0.20
NOLE HN 2.1 IAML 22:50 23.58 4478 0.26	NOLD HE 2.8 IAML 05:20 06.54 113 0.16
NOLE HE 2.1 IAML 22:50 23.62 1753 0.14	NOLD HN 2.8 IAML 05:20 06.94 150 0.18
NOLD HZ 2.9 EP 22:50 22.15 -0.06	
NOLD HN 2.9 ES 22:50 23.04 0.28	October 24 2014 Time: 17:27 15.7 UTC Magnitude: 1.0 ML
NOLD HN 2.9 IAML 22:50 24.75 1587 0.40	Lat: 53.216N Lon: -1.039W Depth: 1.4 km
NOLD HE 2.9 IAML 22:50 24.82 1205 0.32	Grid Ref: 464.16 kmE 369.23 kmN RMS: 0.10 secs
LBWR HZ 50.4 EP 22:50 29.82 -1.02	Locality: NEW OLLERTON,NOTTS
LBWR HE 50.4 ES 22:50 36.54 -1.15	Velocity model: Lownet Xnear: 10.0 Xfar: 20.0
LBWR HE 50.4 IAML 22:50 38.68 17 0.14	Comment: C/F
LBWR HN 50.4 IAML 22:50 39.14 13 0.22	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
CFW HZ 58.4 EP 22:50 31.67 -0.40	NOLA HZ 1.7 EP 17:27 16.36 0.10
CFW HE 58.4 ES 22:50 39.03 -0.79	NOLA HE 1.7 ES 17:27 16.63 -0.04
CFW HN 58.4 IAML 22:50 40.24 2 0.23	NOLA HE 1.7 IAML 17:27 16.79 1010 0.18
CFW HE 58.4 IAML 22:50 40.42 2 0.30	NOLA HN 1.7 IAML 17:27 16.81 2046 0.12
HLM1 HE 148.0 ES 22:51 04.43 0.71	NOLF HZ 3.1 EP 17:27 16.58 0.02
HLM1 HE 148.0 IAML 22:51 07.03 4 0.32	NOLF HE 3.1 ES 17:27 17.16 -0.04
HLM1 HN 148.0 IAML 22:51 07.10 4 0.40	NOLF HN 3.1 IAML 17:27 17.56 151 0.26
	NOLF HE 3.1 IAML 17:27 17.58 134 0.26
October 23 2014 Time: 15:14 43.9 UTC Magnitude: 0.9 ML	NOLG EZ 3.4 EP 17:27 16.56 -0.06
Lat: 53.228N Lon: -1.023W Depth: 1.0 km	NOLE HZ 4.4 EP 17:27 16.80 -0.05
Grid Ref: 465.21 kmE 370.58 kmN RMS: 0.00 secs	NOLE HN 4.4 ES 17:27 17.76 0.07
Locality: NEW OLLERTON,NOTTS	NOLE HN 4.4 IAML 17:27 18.33 319 0.28
Velocity model: Lownet Xnear: 10.0 Xfar: 20.0	NOLE HE 4.4 IAML 17:27 18.35 150 0.13
Comment: C/F	
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	October 25 2014 Time: 08:26 39.4 UTC Magnitude: 1.0 ML
NOLA HZ 0.6 EP 15:14 44.43 -0.02	Lat: 52.321N Lon: -2.633W Depth: 5.5 km
NOLA HN 0.6 ES 15:14 44.84 0.00	Grid Ref: 356.86 kmE 269.44 kmN RMS: 0.10 secs
NOLA HN 0.6 IAML 15:14 44.93 1199 0.10	Locality: BRIMFIELD,HEREFORDSHIR
NOLA HE 0.6 IAML 15:14 44.98 641 0.18	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
NOLG EZ 1.7 IP C 15:14 44.60 0.02	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
NOLF HZ 2.2 IP D 15:14 44.68 0.00	HLM1 HZ 27.7 IP D 08:26 44.62 -0.06
NOLF HN 2.2 ES 15:14 45.25 0.01	HLM1 HN 27.7 ES 08:26 48.60 0.08
NOLF HE 2.2 IAML 15:14 45.61 221 0.34	HLM1 HE 27.7 IAML 08:26 48.82 48 0.16
NOLF HN 2.2 IAML 15:14 46.16 204 0.18	HLM1 HN 27.7 IAML 08:26 48.84 39 0.11
NOLE HZ 2.8 IP D 15:14 44.77 0.00	MCH1 HZ 43.8 EP 08:26 47.18 -0.05
NOLE HE 2.8 ES 15:14 45.39 -0.01	MCH1 HN 43.8 ES 08:26 52.89 -0.05
NOLE HE 2.8 IAML 15:14 46.24 165 0.16	MCH1 HN 43.8 IAML 08:26 53.15 25 0.12
NOLE HN 2.8 IAML 15:14 46.28 162 0.18	MCH1 HE 43.8 IAML 08:26 53.21 8 0.10
	MONM HZ 54.9 EP 08:26 48.92 -0.01
	MONM HN 54.9 ES 08:26 55.98 0.10

TABLE 2 : PHASE DATA

ESK HN 37.3 IAML 11:24 10.56 265 0.12	Lat: 53.855N Lon: -3.764W Depth: 4.3 km
KESW HZ 67.1 EP 11:24 10.27 -0.17	Grid Ref: 283.99 kmE 441.33 kmN RMS: 0.10 secs
KESW HN 67.1 IAML 11:24 19.43 127 0.13	Locality: IRISH SEA
KESW HE 67.1 IAML 11:24 20.97 137 0.18	Velocity model: Lownet Xnear: 100.0 Xfar: 250.0
GAL1 HZ 72.6 EP 11:24 11.06 -0.20	Comment: 50KW WEST BLACKPOOL
GAL1 HE 72.6 IAML 11:24 21.23 142 0.24	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
GAL1 HN 72.6 IAML 11:24 23.88 296 0.18	IOMK HZ 69.2 EP 03:56 43.74 -0.15
EBL EZ 84.0 EP 11:24 13.22 0.12	IOMK HN 69.2 ES 03:56 52.55 0.02
PGB1 HZ 94.9 EP 11:24 15.38 0.65	IOMK HN 69.2 IAML 03:56 56.56 7 0.07
PGB1 HE 94.9 IAML 11:24 29.35 220 0.28	IOMK HE 69.2 IAML 03:56 56.67 8 0.09
PGB1 HN 94.9 IAML 11:24 30.32 389 0.40	WPS HZ 70.2 EP 03:56 44.06 0.05
EDI HZ 96.1 EP 11:24 15.45 0.54	FOEL HZ 114.0 EP 03:56 50.77 -0.10
EDI HN 96.1 IAML 11:24 29.84 338 0.24	FOEL HE 114.0 ES 03:57 04.65 0.05
EDI HE 96.1 IAML 11:24 30.41 406 0.38	FOEL HE 114.0 IAML 03:57 06.43 2 0.21
IOMK HZ 111.0 EP 11:24 17.08 -0.08	FOEL HN 114.0 IAML 03:57 06.60 4 0.24
IOMK HN 111.0 ES 11:24 30.92 0.35	GAL1 HZ 128.0 EP 03:56 53.05 0.02
IOMK HN 111.0 IAML 11:24 32.60 280 0.14	GAL1 HN 128.0 ES 03:57 08.32 -0.02
IOMK HE 111.0 IAML 11:24 32.67 178 0.13	GAL1 HE 128.0 IAML 03:57 08.56 2 0.18
EDMD HZ 112.0 EP 11:24 17.78 0.37	GAL1 HN 128.0 IAML 03:57 08.84 3 0.27
WIM EZ 125.0 EP 11:24 19.58 0.15	NEWG HZ 144.0 EP 03:56 55.41 0.15
CLGH HZ 157.0 EP 11:24 24.00 -0.05	LBWR HZ 144.0 EP 03:56 55.52 0.16
CLGH HN 157.0 IAML 11:24 44.37 309 0.24	LBWR HN 144.0 ES 03:57 12.20 -0.16
CLGH HE 157.0 IAML 11:24 44.57 187 0.30	LBWR HE 144.0 IAML 03:57 13.20 3 0.21
WME EZ 194.0 EP 11:24 28.10 -0.91	LBWR HN 144.0 IAML 03:57 15.19 2 0.28
WPS HZ 197.0 EP 11:24 28.41 -0.93	ESK HZ 167.0 EP 03:56 58.69 0.13
WLF1 HZ 207.0 EP 11:24 29.66 -0.97	
WLF1 HN 207.0 IAML 11:24 58.50 69 0.22	December 3 2014 Time: 21:57 05.2 UTC Magnitude: 2.0 ML
WLF1 HE 207.0 IAML 11:25 00.56 82 0.22	Lat: 55.802N Lon: -3.187W Depth: 6.4 km
	Grid Ref: 325.60 kmE 657.16 kmN RMS: 0.20 secs
	Locality: PENICUIK,MIDLOTHIAN
	Velocity model: Lownet Xnear: 100.0 Xfar: 200.0
November 22 2014 Time: 21:14 39.1 UTC Magnitude: 0.9 ML	Comment: FELT PENICUIK...
Lat: 54.267N Lon: -2.486W Depth: 7.1 km	Intensity: 3
Grid Ref: 368.35 kmE 485.83 kmN RMS: 0.50 secs	
Locality: SEDBERGH,CUMBRIA	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
Velocity model: Lownet Xnear: 100.0 Xfar: 150.0	EBL EZ 9.5 EP 21:57 07.56 -0.01
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	EBL EZ 9.5 ES 21:57 09.26 -0.01
KESW HZ 53.8 EP 21:14 48.19 -0.16	EDI HZ 13.5 EP 21:57 08.16 0.03
KESW HN 53.8 ES 21:14 54.81 -0.30	EDI HN 13.5 ES 21:57 10.27 0.04
KESW HN 53.8 IAML 21:14 55.95 4 0.28	EDI HN 13.5 IAML 21:57 10.40 1631 0.11
KESW HE 53.8 IAML 21:14 56.91 4 0.10	EDI HE 13.5 IAML 21:57 10.52 911 0.11
EDMD HZ 71.3 EP 21:14 51.62 0.61	ESY EZ 38.1 EP 21:57 12.06 -0.07
EDMD HN 71.3 ES 21:14 59.21 -0.50	ESK HZ 54.1 EP 21:57 14.59 0.00
EDMD HN 71.3 IAML 21:15 03.16 12 0.40	PGB1 HZ 81.3 EP 21:57 18.98 0.18
EDMD HE 71.3 IAML 21:15 03.23 10 0.09	PGB1 HN 81.3 IAML 21:57 29.13 41 0.11
LBWR HZ 109.0 EP 21:14 57.05 0.19	PGB1 HE 81.3 IAML 21:57 29.40 41 0.09
LBWR HN 109.0 ES 21:15 09.60 -0.24	EAB EZ 83.7 EP 21:57 19.10 -0.09
LBWR HN 109.0 IAML 21:15 10.85 4 0.19	INVG HZ 87.7 EP 21:57 19.73 -0.07
LBWR HE 109.0 IAML 21:15 12.15 5 0.08	INVG HE 87.7 IAML 21:57 33.31 18 0.07
ESK HZ 126.0 EP 21:14 59.73 0.27	INVG HN 87.7 IAML 21:57 33.53 24 0.08
ESK HN 126.0 ES 21:15 15.32 0.98	NEWG HZ 101.0 EP 21:57 21.48 -0.34
ESK HN 126.0 IAML 21:15 16.10 2 0.21	DRUM HZ 131.0 EP 21:57 26.40 -0.05
ESK HE 126.0 IAML 21:15 18.67 3 0.48	DRUM HN 131.0 IAML 21:57 46.16 46 0.15
IOMK HZ 136.0 EP 21:15 01.59 0.72	DRUM HE 131.0 IAML 21:57 46.74 36 0.11
IOMK HE 136.0 ES 21:15 17.05 0.28	KESW HZ 135.0 EP 21:57 27.69 0.64
	GAL1 HZ 142.0 EP 21:57 28.01 0.00
November 25 2014 Time: 06:38 05.9 UTC Magnitude: 0.8 ML	GAL1 HN 142.0 IAML 21:57 46.61 53 0.16
Lat: 56.400N Lon: -4.817W Depth: 7.8 km	GAL1 HE 142.0 IAML 21:57 46.63 38 0.17
Grid Ref: 226.17 kmE 726.63 kmN RMS: 0.20 secs	LAWA HZ 147.0 EP 21:57 29.02 0.31
Locality: INVERLOCHY,ARGYLL/BUTE	
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0	December 4 2014 Time: 16:07 06.5 UTC Magnitude: 1.9 ML
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	Lat: 51.666N Lon: -3.114W Depth: 6.1 km
EAB EZ 37.9 EP 06:38 13.10 0.38	Grid Ref: 322.96 kmE 197.00 kmN RMS: 0.10 secs
LAWA HZ 39.2 IP C 06:38 12.88 -0.02	Locality: NEWBRIDGE,CAERPHILLY
LAWA HE 39.2 ES 06:38 17.76 -0.21	Velocity model: Lownet Xnear: 75.0 Xfar: 200.0
LAWA HN 39.2 IAML 06:38 18.07 11 0.12	Comment: FELT CARDIFF Intensity: 2
LAWA HE 39.2 IAML 06:38 18.25 10 0.09	STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES
INVG HZ 47.8 EP 06:38 14.36 0.10	MONM HZ 28.8 EP 16:07 11.86 -0.09
INVG HN 47.8 ES 06:38 19.94 -0.38	MONM HN 28.8 ES 16:07 15.99 0.09
INVG HN 47.8 IAML 06:38 20.44 12 0.10	MONM HN 28.8 IAML 16:07 16.18 534 0.16
INVG HE 47.8 IAML 06:38 20.53 7 0.09	MONM HE 28.8 IAML 16:07 16.98 402 0.18
KPL HZ 116.0 EP 06:38 25.08 0.25	MCH1 HZ 37.7 IP D 16:07 13.29 -0.08
KAC EZ 126.0 EP 06:38 26.21 -0.08	MCH1 HE 37.7 ES 16:07 18.42 0.06
	MCH1 HE 37.7 IAML 16:07 18.57 314 0.42
November 25 2014 Time: 06:38 32.2 UTC Magnitude: 0.6 ML	MCH1 HN 37.7 IAML 16:07 18.78 123 0.14
Lat: 56.411N Lon: -4.825W Depth: 7.7 km	OLDB HZ 39.0 EP 16:07 13.38 -0.14
Grid Ref: 225.73 kmE 727.88 kmN RMS: 0.40 secs	OLDB HN 39.0 ES 16:07 18.58 -0.04
Locality: INVERLOCHY,ARGYLL/BUTE	OLDB HN 39.0 IAML 16:07 20.91 318 0.38
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0	OLDB HE 39.0 IAML 16:07 22.74 342 0.36
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES	STRD HZ 66.8 EP 16:07 18.06 0.18
EAB EZ 39.0 EP 06:38 39.75 0.58	STRD HN 66.8 ES 16:07 26.18 0.02
LAWA HZ 39.3 EP 06:38 39.29 0.11	STRD HN 66.8 IAML 16:07 32.44 57 0.52
LAWA HN 39.3 ES 06:38 43.95 -0.30	STRD HE 66.8 IAML 16:07 35.04 48 0.65
LAWA HE 39.3 IAML 06:38 44.39 8 0.22	HLM1 HZ 96.2 EP 16:07 22.37 -0.11
LAWA HN 39.3 IAML 06:38 47.55 10 0.14	HLM1 HE 96.2 IAML 16:07 40.18 26 0.14
INVG HZ 48.2 EP 06:38 40.73 0.14	HLM1 HN 96.2 IAML 16:07 40.31 20 0.36
INVG HN 48.2 ES 06:38 46.18 -0.53	HTL HZ 121.0 EP 16:07 26.47 0.17
INVG HN 48.2 IAML 06:38 46.74 6 0.08	HTL HE 121.0 IAML 16:07 43.50 22 0.20
INVG HE 48.2 IAML 06:38 46.76 4 0.18	HTL HN 121.0 IAML 16:07 43.89 11 0.13
	WPS HZ 215.0 EP 16:07 39.16 0.30
December 1 2014 Time: 03:56 32.1 UTC Magnitude: 0.9 ML	

TABLE 2 : PHASE DATA

December 6 2014												Time: 11:05 41.3 UTC			Magnitude: 1.9 ML			MCH1 HN 45.9 IAML 18:03 02.55 9 0.15								
Lat: 53.682N												Lon: -1.136W			Depth: 1.1 km			MCH1 HE 45.9 IAML 18:03 02.64 5 0.09								
Grid Ref: 457.06 kmE 420.99 kmN												RMS: 0.40 secs			MONM HN 55.9 ES 18:03 03.19 -1.35			MONM HN 55.9 IAML 18:03 04.80 9 0.12								
Locality: HENSALL,N YORKSHIRE															MONM HE 55.9 IAML 18:03 04.88 5 0.15			FOEL HZ 75.5 EP 18:03 00.87 0.21								
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0																										
Comment: C/F, FELT HENSALL												Intensity: 2			December 17 2014											
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES															Time: 03:46 34.0 UTC			Magnitude: 1.2 ML								
HPK HZ 44.5 EP 11:05 49.05 -0.60															Lat: 57.702N			Lon: -4.261W			Depth: 8.7 km					
HPK HN 44.5 ES 11:05 55.44 -0.27															Grid Ref: 265.27 kmE 870.24 kmN			RMS: 0.20 secs								
HPK HE 44.5 IAML 11:05 58.37 87 0.60															Locality: ALNESS,HIGHLAND											
HPK HN 44.5 IAML 11:05 58.40 62 0.30															Velocity model: Lownet Xnear: 100.0 Xfar: 200.0											
LBWR HZ 50.0 EP 11:05 50.47 -0.13															STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES											
LBWR HN 50.0 ES 11:05 57.03 -0.33															KAC EZ 66.1 EP 03:46 44.83 -0.27											
LBWR HN 50.0 IAML 11:05 57.96 114 0.46															LINV HZ 74.4 EP 03:46 46.21 -0.14											
LBWR HE 50.0 IAML 11:05 58.26 51 0.22															LINV HE 74.4 ES 03:46 55.52 0.13											
GDLE HZ 85.0 EP 11:05 56.57 0.55															LINV HN 74.4 IAML 03:46 58.47 8 0.22											
GDLE HE 85.0 IAML 11:06 10.19 50 0.36															LINV HE 74.4 IAML 03:46 58.52 7 0.10											
GDLE HN 85.0 IAML 11:06 10.74 130 0.32															BIGH HZ 90.5 EP 03:46 48.83 -0.02											
STNC HE 96.9 IAML 11:06 18.61 51 0.38															BIGH HE 90.5 ES 03:46 59.69 -0.03											
CWF HZ 106.0 EP 11:05 59.65 0.43															BIGH HE 90.5 IAML 03:47 01.61 5 0.25											
CWF HN 106.0 IAML 11:06 15.03 32 0.24															BIGH HN 90.5 IAML 03:47 01.92 5 0.15											
CWF HE 106.0 IAML 11:06 16.04 55 0.28															KPL HZ 92.7 EP 03:46 49.54 0.35											
EDMD HZ 139.0 EP 11:06 04.51 0.25															KPL HN 92.7 ES 03:47 00.22 -0.07											
EDMD HN 139.0 ES 11:06 21.35 0.36															KPL HE 92.7 ES 03:47 00.39											
EDMD HN 139.0 IAML 11:06 22.28 26 0.42															KPL HE 92.7 IAML 03:47 02.41 7 0.23											
EDMD HE 139.0 IAML 11:06 29.97 17 0.48															KPL HN 92.7 IAML 03:47 02.77 6 0.29											
KESW HZ 164.0 EP 11:06 08.59 0.74															DRUM HZ 138.0 EP 03:46 56.02 -0.04											
KESW HN 164.0 ES 11:06 27.81 0.61															DRUM HE 138.0 ES 03:47 12.28 0.09											
KESW HN 164.0 IAML 11:06 29.79 12 0.68															DRUM HE 138.0 IAML 03:47 13.90 22 0.14											
KESW HE 164.0 IAML 11:06 30.01 21 0.48															DRUM HN 138.0 IAML 03:47 13.94 21 0.12											
December 9 2014												Time: 07:31 02.0 UTC			Magnitude: 2.1 ML			INVG HZ 143.0 EP 03:46 56.91 0.24								
Lat: 53.079N												Lon: -1.225W			Depth: 2.4 km			INVG HE 143.0 ES 03:47 13.00 -0.24								
Grid Ref: 451.91 kmE 353.84 kmN												RMS: 0.50 secs			INVG HN 143.0 IAML 03:47 14.80 4 0.17			INVG HE 143.0 IAML 03:47 15.26 2 0.22								
Locality: MANSFIELD,NOTTS															LEWI HZ 162.0 EP 03:46 59.98 0.51			LEWI HE 162.0 ES 03:47 17.80 -0.28								
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0															LEWI HE 162.0 IAML 03:47 20.54 5 0.71			LEWI HN 162.0 IAML 03:47 21.25 2 0.20								
Comment: FELT ANNESLEY...												Intensity: 3			December 23 2014											
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES															Time: 00:15 40.4 UTC			Magnitude: 0.6 ML								
CWF HZ 38.3 IP C 07:31 08.75 -0.26															Lat: 56.084N			Lon: -5.027W			Depth: 4.1 km					
CWF HE 38.3 ES 07:31 13.41 -0.71															Grid Ref: 211.67 kmE 692.03 kmN			RMS: 0.30 secs								
CWF HN 38.3 IAML 07:31 15.43 25 0.16															Locality: LOCH ECK,ARGYLL & BUTE											
CWF HE 38.3 IAML 07:31 18.07 40 0.42															Velocity model: Lownet Xnear: 75.0 Xfar: 150.0											
LBWR HZ 49.0 IP D 07:31 10.37 -0.48															STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES											
LBWR HN 49.0 ES 07:31 16.76 -0.55															LAW E HZ 30.3 EP 00:15 46.24 0.24											
LBWR HE 49.0 IAML 07:31 19.55 118 0.26															LAW E HN 30.3 ES 00:15 50.02 -0.10											
LBWR HN 49.0 IAML 07:31 22.19 117 0.57															LAW E HE 30.3 IAML 00:15 50.19 11 0.14											
STNC HZ 65.8 EP 07:31 13.68 0.24															LAW E HN 30.3 IAML 00:15 50.20 14 0.16											
STNC HE 65.8 ES 07:31 21.90 0.10															INVG HZ 71.9 EP 00:15 52.72 0.07											
STNC HN 65.8 IAML 07:31 24.99 124 0.34															INVG HE 71.9 ES 00:16 01.42 -0.20											
STNC HE 65.8 IAML 07:31 25.03 177 0.44															INVG HE 71.9 IAML 00:16 02.18 1 0.27											
LMK HZ 73.2 EP 07:31 14.66 0.08															INVG HN 71.9 IAML 00:16 03.45 2 0.33											
HPK HZ 101.0 EP 07:31 19.40 0.44															CLGH HE 131.0 ES 00:16 17.06 -0.30											
HPK HN 101.0 ES 07:31 31.20 -0.14															CLGH HN 131.0 IAML 00:16 18.67 4 0.39											
HPK HE 101.0 IAML 07:31 34.70 153 0.20															CLGH HE 131.0 IAML 00:16 22.07 4 0.72											
HPK HN 101.0 IAML 07:31 34.74 119 0.23															KPL HE 145.0 ES 00:16 22.51 1.71											
HLM1 HZ 128.0 EP 07:31 23.65 0.53															December 24 2014											
HLM1 HN 128.0 ES 07:31 38.49 -0.05															Time: 08:21 02.5 UTC			Magnitude: 2.0 ML								
HLM1 HE 128.0 IAML 07:31 41.69 29 0.46															Lat: 54.511N			Lon: -3.051W			Depth: 13.4 km					
HLM1 HN 128.0 IAML 07:31 43.13 21 0.31															Grid Ref: 331.96 kmE 513.38 kmN			RMS: 0.40 secs								
FOEL HZ 134.0 EP 07:31 25.27 1.17															Locality: GRASMERE,CUMBRIA											
FOEL HE 134.0 IAML 07:31 44.74 32 0.35															Velocity model: Lownet Xnear: 100.0 Xfar: 200.0											
FOEL HN 134.0 IAML 07:31 44.89 37 0.56															Comment: FELT GRASMERE...											
GDLE HZ 152.0 EP 07:31 26.96 0.40															Intensity: 3											
GDLE HN 152.0 IAML 07:31 48.48 64 0.24															STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES											
GDLE HE 152.0 IAML 07:31 49.41 39 0.24															KESW HZ 9.3 IP D 08:21 05.60 0.10											
STRD HZ 158.0 EP 07:31 28.23 0.74															KESW HE 9.3 ES 08:21 07.85 0.20											
STRD HN 158.0 ES 07:31 46.67 0.58															KESW HN 9.3 IAML 08:21 08.06 286 0.30											
STRD HN 158.0 IAML 07:31 47.67 59 0.37															KESW HE 9.3 IAML 08:21 08.17 117 0.15											
STRD HE 158.0 IAML 07:31 49.00 48 0.31															SPK EZ 29.6 IP C 08:21 08.02 -0.11											
MCH1 HZ 170.0 EP 07:31 29.95 0.78															SPK EE 29.6 ES 08:21 11.88 -0.33											
MCH1 HE 170.0 IAML 07:31 52.20 21 0.28															SPK EE 29.6 IAML 08:21 12.17 441 0.10											
MCH1 HN 170.0 IAML 07:31 52.53 21 0.42															SPK EN 29.6 IAML 08:21 12.19 179 0.11											
MONM HZ 175.0 EP 07:31 30.64 0.85															EDMD HZ 78.8 EP 08:21 15.55 -0.09											
MONM HE 175.0 ES 07:31 51.63 1.56															EDMD HN 78.8 ES 08:21 24.66 -0.53											
MONM HN 175.0 IAML 07:31 53.16 32 0.34															EDMD HE 78.8 IAML 08:21 26.59 84 0.24											
MONM HE 175.0 IAML 07:31 53.79 35 0.26															EDMD HN 78.8 IAML 08:21 26.64 109 0.21											
December 11 2014												Time: 18:02 48.0 UTC			Magnitude: 0.7 ML			ESK HZ 90.2 EP 08:21 18.00 0.54								
Lat: 52.323N												Lon: -2.586W			Depth: 7.0 km			ESK HN 90.2 ES 08:21 28.06 -0.28								
Grid Ref: 360.06 kmE 269.64 kmN												RMS: 0.90 secs			ESK HE 90.2 IAML 08:21 29.69 25 0.29			ESK HN 90.2 IAML 08:21 30.97 21 0.10								
Locality: TENBURY WELLS,WORCS															IOMK HZ 102.0 EP 08:21 19.05 -0.14			IOMK HN 102.0 ES 08:21 30.94 -0.40								
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0															IOMK HN 102.0 IAML 08:21 32.29 60 0.09			IOMK HE 102.0 IAML 08:21 32.51 39 0.16								
STAT CO DIST PHAS WT P HrMn SECS AMPL PERI RES															HPK HZ 112.0 EP 08:21 20.70 0.18			HPK HN 112.0 ES 08:21 33.67 0.03								
HLM1 HZ 29.6 EP 18:02 53.86 0.33															HPK HE 112.0 IAML 08:21 34.56 100 0.24											
HLM1 HN 29.6 ES 18:02 56.71 -0.87																										
HLM1 HE 29.6 IAML 18:02 57.09 26 0.14																										
HLM1 HN 29.6 IAML 18:02 57.12 27 0.17																										
MCH1 HZ 45.9 EP 18:02 57.29 1.27																										
MCH1 HN 45.9 ES 18:03 02.30 0.40																										

TABLE 2 : PHASE DATA

HPK	HN	112.0	IAML	08:21	35.33	135	0.24			
WIM	EZ	113.0	EP	08:21	21.00			0.23		
GAL1	HZ	114.0	EP	08:21	21.57			0.71		
GAL1	HN	114.0	ES	08:21	34.08			-0.16		
GAL1	HE	114.0	IAML	08:21	35.13	12	0.14			
GAL1	HN	114.0	IAML	08:21	35.32	52	0.24			
LBWR	HZ	151.0	EP	08:21	26.61			0.42		
WPS	HZ	156.0	EP	08:21	27.68			0.87		
December 25 2014				Time: 04:34 14.8 UTC		Magnitude: 1.0 ML				
Lat: 56.639N		Lon: -5.248W				Depth: 7.7 km				
Grid Ref: 200.85 kmE		754.39 kmN				RMS: 0.10 secs				
Locality: BALLACHULISH,HIGHLAND										
Velocity model: Lownet Xnear: 100.0 Xfar: 200.0										
Comment: FELT BALLACHULISH Intensity: 2										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
LAW	EZ	43.2	EP			04:34	22.46			0.07
LAW	HE	43.2	ES			04:34	27.85			-0.06
LAW	HE	43.2	IAML			04:34	28.32	15	0.12	
LAW	HN	43.2	IAML			04:34	33.78	9	0.14	
INV	HZ	77.7	EP			04:34	27.87			0.09
INV	HN	77.7	ES			04:34	37.15			-0.08
INV	HN	77.7	IAML			04:34	40.45	20	0.22	
INV	HE	77.7	IAML			04:34	40.59	8	0.14	
KPL	HZ	81.8	EP			04:34	28.34			-0.01
KPL	HN	81.8	ES			04:34	38.16			-0.06
KPL	HN	81.8	IAML			04:34	40.96	5	0.16	
KPL	HE	81.8	IAML			04:34	41.28	6	0.20	
KAC	EZ	95.8	EP			04:34	30.61			0.04
December 30 2014				Time: 15:29 31.2 UTC		Magnitude: 0.8 ML				
Lat: 52.271N		Lon: -3.175W				Depth: 9.0 km				
Grid Ref: 319.83 kmE		264.34 kmN				RMS: 0.10 secs				
Locality: KNIGHTON,POWYS										
Velocity model: Mid Wales Xnear: 80.0 Xfar: 200.0										
Comment: 11KM SW KNIGHTON										
STAT	CO	DIST	PHAS	WT	P	HrMn	SECS	AMPL	PERI	RES
MCH	HZ	32.8	EP			15:29	36.97			-0.03
MCH	HN	32.8	ES			15:29	41.01			-0.20
MCH	HN	32.8	IAML			15:29	41.22	17	0.26	
MCH	HE	32.8	IAML			15:29	41.26	9	0.11	
HLM	HZ	34.0	EP			15:29	37.32			0.10
HLM	HN	34.0	ES			15:29	41.64			0.06
HLM	HN	34.0	IAML			15:29	42.33	4	0.15	
HLM	HE	34.0	IAML			15:29	42.36	6	0.38	
MON	HZ	54.4	EP			15:29	40.55			0.03
MON	HN	54.4	ES			15:29	47.42			0.15
MON	HN	54.4	IAML			15:29	47.55	10	0.34	
MON	HE	54.4	IAML			15:29	47.66	6	0.38	
LLW	BN	72.4	ES			15:29	52.26			-0.10
RSB	HZ	113.0	EP			15:29	49.83			-0.04
RSB	HN	113.0	ES			15:30	03.50			0.16
RSB	HE	113.0	IAML			15:30	05.59	2	0.11	
RSB	HN	113.0	IAML			15:30	05.64	4	0.31	
CWF	HN	137.0	ES			15:30	09.20			-0.29
CWF	HN	137.0	IAML			15:30	11.09	3	0.20	
CWF	HE	137.0	IAML			15:30	11.55	3	0.11	

TABLE 3

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2014

Code	Name	Lat	Lon	E (km)	N (km)	Ht (m)	Comp
BATH	BATH	51.4429	-2.3292	377.22	171.60	131	BBR
BBH	BRUNTSHEIL	55.1333	-2.9299	340.72	582.50	216	1R
BBO1	BOTHEL	54.7367	-3.2464	319.76	538.69	209	3R
BCC1	CHAPELCROSS	55.0153	-3.2201	321.99	569.66	138	1SMmR
BDL	DOBCROSS HALL	54.8030	-2.9385	339.68	545.76	157	1R
BHH	HOWATS HILL	55.0931	-3.2181	322.27	578.31	216	3R
BIGH	UPPER BIGHOUSE	58.4932	-3.9102	288.75	957.69	70	BBSMR
BTA	TALKIN	54.9057	-2.6844	356.12	557.00	279	3R
BWH	WARDLAW	55.1758	-3.6549	294.62	588.09	269	1R
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	BBR
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
ECK	CAULDKAINE HILL	55.1810	-3.1292	328.10	588.00	351	1R
EDI	EDINBURGH	55.9233	-3.1875	325.80	670.66	125	BBR
EDMD	EDMUNDBYERS	54.8312	-1.9636	402.43	548.48	337	BBSMR
EDU	DUNDEE	56.5477	-3.0110	337.85	739.97	421	1R
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	BBmR
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	BB3LGmR
GCD	CASTLE DOUGLAS	54.8630	-3.9403	275.48	553.76	184	1R
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
HEX	EXMOOR	51.0664	-3.8026	273.71	131.28	230	1R
HGH	GRAY HILL	51.6379	-2.8057	344.25	193.59	223	1R
HLM1	LONG MYND	52.5184	-2.8807	340.25	291.57	429	BBR
HMNX	HERSTMONCEUX	50.8674	0.3363	564.49	110.15	26	BBR
HPE	PEMBROKE	51.9372	-4.7746	209.29	230.21	349	1R
HTR	TREWERN HILL	52.0785	-32679	313.12	243.04	337	1R
HPK	HAVERAH PARK	53.9581	-1.6241	424.66	451.42	233	BBSMR
HSA	SWANSEA	51.7500	-4.1532	251.38	207.94	293	1R
HTL	HARTLAND	50.9943	-4.4849	225.64	124.66	86	BBSMmR
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	3LGmR
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
KBI1	BIRLEY GRANGE	53.2543	-1.5279	431.49	373.17	272	1R
KESW	KESWICK	54.5886	-3.1048	328.70	522.05	282	BBSMR
KEY2	KEYWORTH	52.8790	-1.0770	462.13	331.73	76	SMR
KPL	PLOCKTON	57.3391	-5.6527	180.21	833.50	13	BBSMLGR
KSB	SHIEL BRIDGE	57.2099	-5.4214	193.40	818.40	417	1R
KSY	SYSTON	52.9642	-0.5872	494.88	341.73	121	1R
KUF	UFFORD	52.6170	-0.3907	508.94	303.39	38	1R
LAWE	LOCH AWE	56.2601	-5.3990	189.58	712.71	137	BBSMR

TABLE 3

GEOGRAPHIC COORDINATES OF SEISMOGRAPH STATIONS, 2014

Code	Name	Lat	Lon	E (km)	N (km)	Ht (m)	Comp
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
LHO	HOLMEFIRTH	53.5453	-1.8548	409.62	405.44	462	1R
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
MCD	COLEBURN DISTIL	57.5828	-3.2541	325.02	855.42	293	3SMLGmR
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	3
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	3
NOLE	NEW OLLERTONE	53.2528	-1.0157	465.77	373.32	38	3
NOLF	NEW OLLERTONF	53.2440	-1.0446	463.85	372.32	58	3
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
PCO1	CORRIE	55.9880	-4.1002	269.00	679.21	267	1R
PGB1	GLENIFFERBRAES	55.8115	-4.4837	244.38	660.37	199	BBR
REB	EISG-BRACHAIDH	58.1194	-5.2802	206.82	919.16	100	1R
RRH	RHENIGIDALE	57.9197	-6.6881	122.43	901.86	103	1R
RRR	RUBHA REIDH	57.8577	-5.8067	174.19	891.68	61	3SMLGmR
RSBS	ROSEBUSH	51.9530	-4.7448	211.48	231.84	278	BBR
RSC	SCOURIE	58.3485	-5.1683	214.61	944.33	60	1R
RTO	TOLSTA	58.3778	-6.2092	153.95	950.93	74	1R
SAN1	SANDWICK	60.0179	-1.2392	442.41	1126.08	150	1R
SKP1	KOPHILL	51.7218	-0.8096	482.22	203.29	212	1R
SMD	MENDIPS	51.3083	-2.7170	350.03	156.88	310	1R
SOFL	SORNFELLI	62.0689	-6.9658			721	BBR
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	BB3SMLGmR
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 (South)	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
XAL	ALLENDALE	54.8617	-2.2147	386.22	551.91	458	1R
XSO	SOURHOPE	55.4924	-2.2510	384.14	622.10	516	1R

Component Codes:

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

TABLE 4**Depth / crustal velocity models used in earthquake locations**

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

Appendix 1 Key to 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 HYPO71 (Lee and Lahr, 1975)

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

Locality and Comments abbreviations

C/F	Coalfield Type
Sonic	Sonic event
Gtr	Greater
Worcs	Worcestershire
D & G	Dumfries and Galloway
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, 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**

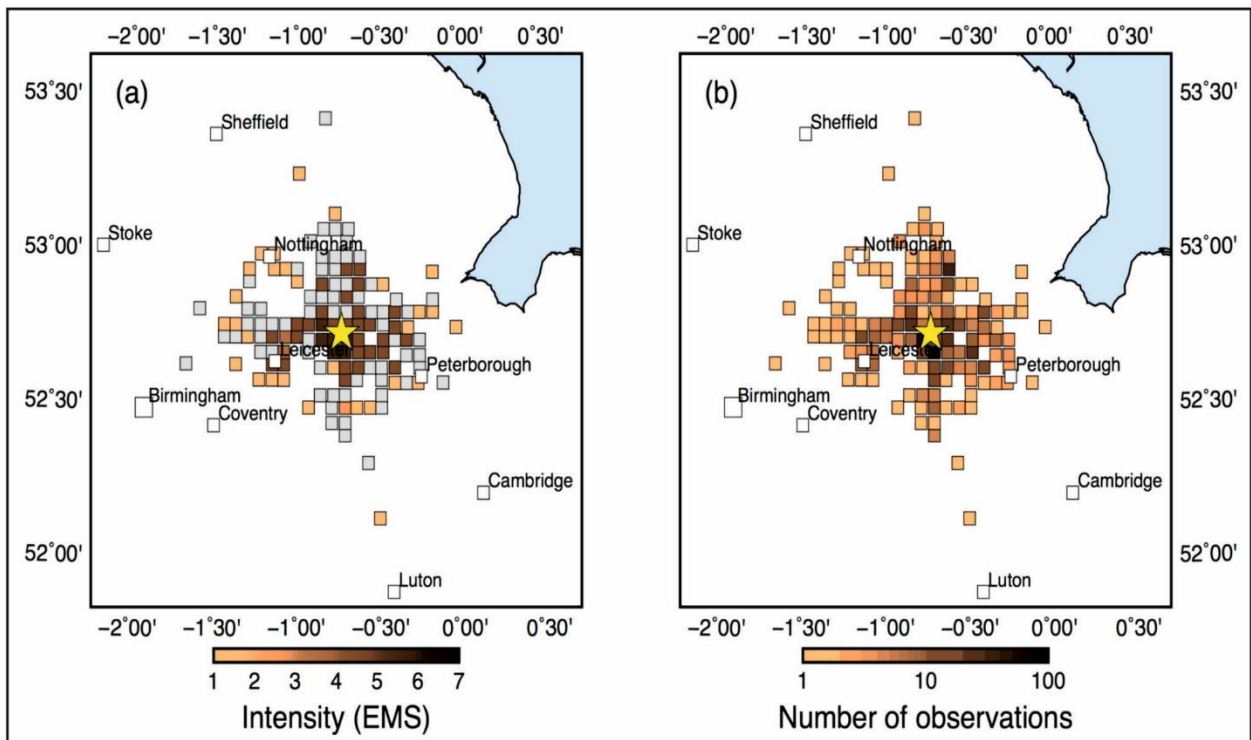
Most ordinary buildings collapse.

12 - **Completely devastating**

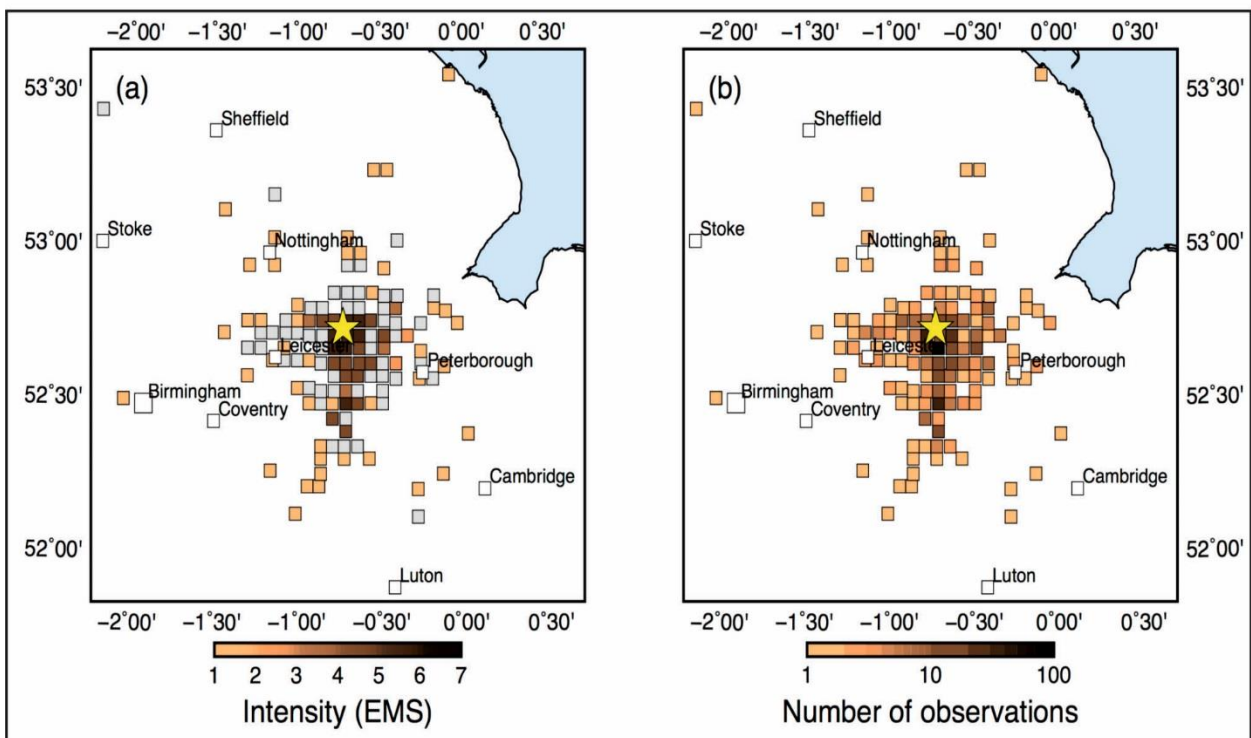
Practically all structures above and below ground are heavily damaged or destroyed.

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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 3.5 ML Oakham earthquake on 18 April 2014.



Macroseismic intensities for the magnitude 3.2 ML Oakham earthquake on 17 April 2014.